

University of California

Report on Financial Statements and Expenditures of Federal Awards in Accordance with the Uniform Guidance For the Year Ended June 30, 2020

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University of California
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Report of Independent Auditors

To the Regents of the University of California

Report on the Financial Statements

We have audited the accompanying financial statements of the University of California (the "University"), a component unit of the State of California, its aggregate discretely presented component units, the University of California Retirement System, and the University of California Retiree Health Benefit Trust as of and for the years ended June 30, 2020 and 2019, and the related notes to the financial statements, which collectively comprise the University's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express opinions on the financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement. The financial statements of the University's discretely presented component units were not audited in accordance with *Government Auditing Standards*.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, we consider internal control relevant to the University's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.



Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the University, its aggregate discretely presented component units, the University of California Retirement System and the University of California Retiree Health Benefit Trust as of June 30, 2020 and 2019, and the respective changes in financial position and, where applicable, cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Required Supplementary Information

The accompanying management's discussion and analysis on pages 4 through 23 and the required supplemental information on pages 96 through 105 are required by accounting principles generally accepted in the United States of America to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the *Governmental Accounting Standards Board* who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audits of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the University's basic financial statements. The accompanying summary schedule of expenditures of federal awards and schedule of expenditures of federal awards for the year ended June 30, 2020 are presented for purposes of additional analysis as required by Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance) and are not a required part of the basic financial statements. As described in Note 2 to the summary schedule of expenditures of federal awards and schedule of expenditures of awards, the accompanying summary schedule of expenditures of federal awards and schedule of expenditures of federal awards were prepared on the cash basis, which is a comprehensive basis of accounting other than accounting principles generally accepted in the United States of America. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the summary schedule of expenditures of federal awards and schedule of expenditures of federal awards are fairly stated, in all material respects, on the basis of accounting described in Note 2, in relation to the basic financial statements as a whole.



Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated October 9, 2020 on our consideration of the University's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters for the year ended June 30, 2020. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control over financial reporting and compliance.

PricewaterhouseCoopers LLP

San Francisco, California
October 9, 2020

Management's Discussion and Analysis (Unaudited)

The objective of Management's Discussion and Analysis is to help readers of the University of California's financial statements better understand the financial position and operating activities for the year ended June 30, 2020, with selected comparative information for the years ended June 30, 2019 and 2018. This discussion has been prepared by management and should be read in conjunction with the financial statements and the notes to the financial statements. Unless otherwise indicated, years (2018, 2019 and 2020, etc.) in this discussion refer to the fiscal years ended June 30.

The University of California's financial report communicates financial information for the University of California (the University), the University of California campus foundations (campus foundations), the University of California Retirement System (UCRS) and the University of California Retiree Health Benefit Trust (UCRHBT) through five primary financial statements and notes to the financial statements. Three of the primary statements, the statements of net position, the statements of revenues, expenses and changes in net position and the statements of cash flows, present the financial position, changes in financial position and cash flows for the University and the affiliated campus foundations. The financial statements for the campus foundations are presented discretely from the University. Two of the primary statements, the statements of plans' and trust's fiduciary net position and the statements of changes in plans' and trust's fiduciary net position, present the financial position and operating activities for UCRS and UCRHBT. The notes to the financial statements provide additional information that is essential to a full understanding of the financial statements.

THE UNIVERSITY OF CALIFORNIA

The University of California, one of the largest and most acclaimed institutions of higher learning in the world, is dedicated to excellence in teaching, research, health care and public service. The University has annual resources of nearly \$40.3 billion and encompasses ten campuses, five medical centers, four law schools and a statewide Division of Agriculture and Natural Resources. The University is also involved in the operation and management of three national laboratories for the U.S. Department of Energy (DOE).

Campuses. The ten campuses are located in Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, San Francisco, Santa Barbara and Santa Cruz. All of the campuses, except San Francisco, offer undergraduate, graduate and professional education; the San Francisco campus is devoted exclusively to graduate and professional education in health sciences.

Health sciences. The University operates one of the nation's largest health science and medical training programs. The instructional program is conducted in 16 health professional schools on six campuses. The University's health programs include five medical centers, two dental schools, three nursing schools, two public health schools and two pharmacy schools, in addition to a school of optometry and a school of veterinary medicine. The University's medical schools play a leading role in the development of health services and the advancement of medical science and research.

Law schools. The University has law schools at Berkeley, Davis, Irvine and Los Angeles. Also, the Hastings College of the Law in San Francisco is affiliated with the University, although not included in the financial reporting entity.

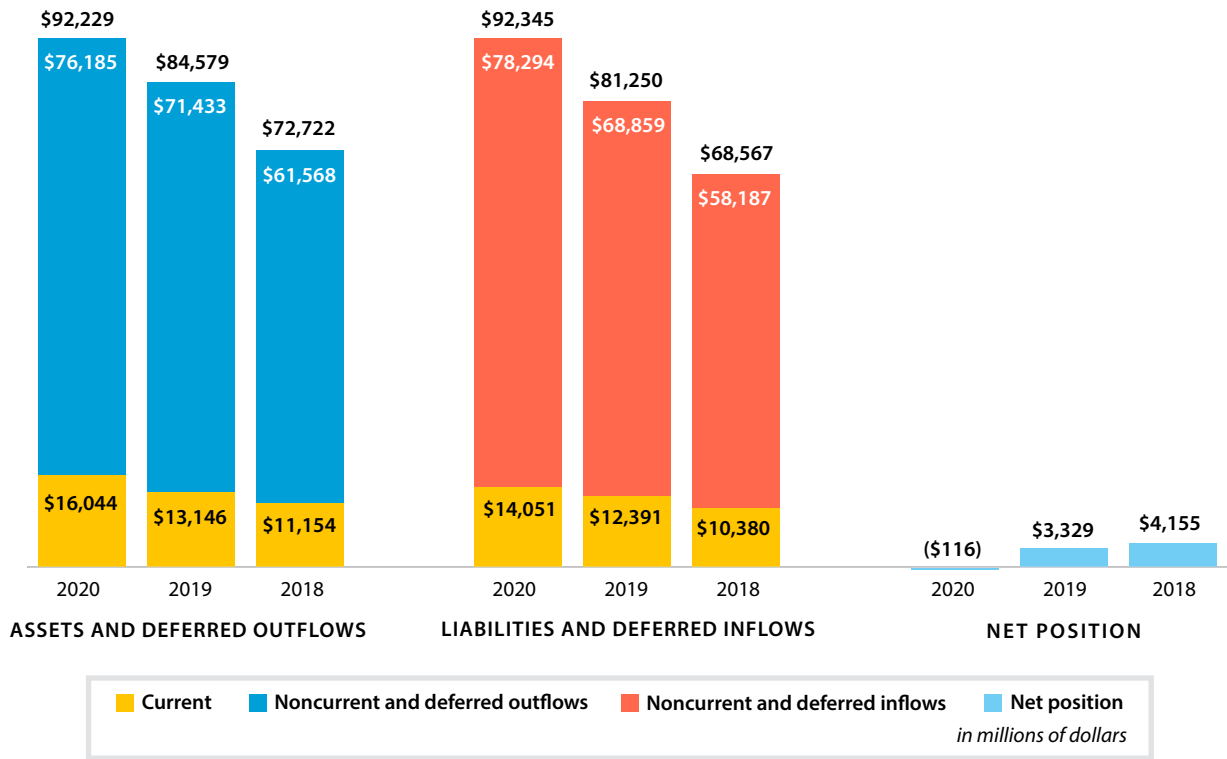
Agriculture and Natural Resources. The Division of Agriculture and Natural Resources is a statewide research and public service organization that serves a large and diverse agricultural community. The division collaborates on research with all campuses, and conducts studies at nine research and extension centers and on private land in cooperation with California producers. In addition, research and educational programs are conducted in each of the state’s 58 counties.

University Extension. The foremost continuing education program of its kind in size, scope and quality of instruction, University Extension offers almost 20,000 self-supporting courses statewide and in several foreign countries.

National laboratories. Under contract with the DOE, the University operates and manages the Ernest Orlando Lawrence Berkeley National Laboratory (LBNL) in California. The University is also a member in two separate joint ventures, Triad National Security, LLC (Triad) and Lawrence Livermore National Security, LLC (LLNS) that operate and manage the Los Alamos National Laboratory (LANL) and Lawrence Livermore National Laboratory (LLNL), respectively, under contracts directly with the DOE. The laboratories conduct broad and diverse basic and applied research in nuclear science, energy production, national defense and environmental and health areas.

THE UNIVERSITY’S FINANCIAL POSITION

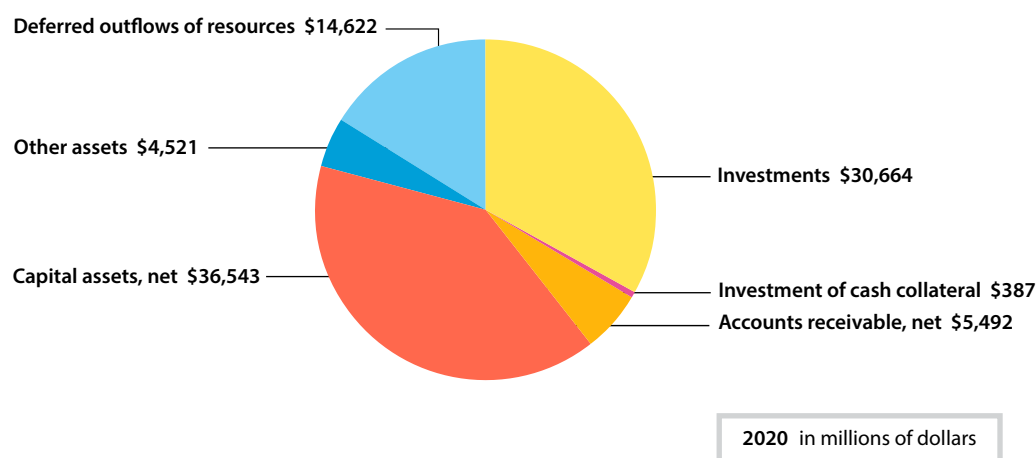
The outbreak of COVID-19, a respiratory disease caused by a new strain of coronavirus, has been declared a pandemic by the World Health Organization. The outbreak of the disease has affected travel, commerce and financial markets globally in the United States and California, including cities and counties throughout the state. On March 4, 2020, the Governor declared a state of emergency to help the state prepare and respond to COVID-19, and on March 19, 2020, the Governor issued a statewide order, Executive Order N-33-20, directing all residents to heed current state public health directives to stay home or at their place of residence except as needed to maintain continuity of operations of critical infrastructure sectors during the COVID-19 response. Such orders and restrictions have resulted in business closures, work stoppages, slowdowns and delays, work-from-home policies, travel restrictions and cancellations of events. In response to the state orders, the University transitioned to online education for all classes in the spring and gave students living on campus the option to cancel housing contracts and move home. Additionally, elective procedures at the medical centers and clinics were canceled to prepare for an expected surge in COVID-19 patients. These changes impacted the University’s operations in 2020, resulting in lost revenues and increased expenses as compared to budget.



The statement of net position presents the financial position of the University at the end of each year. It displays all of the University's assets, deferred outflows, liabilities and deferred inflows. The difference between assets, deferred outflows, liabilities and deferred inflows is net position. The major components of the assets, deferred outflows, liabilities, deferred inflows and net position as of June 30, 2020, 2019 and 2018 are as follows:

<i>(in millions of dollars)</i>	2020	2019	2018
ASSETS			
Investments	\$30,664	\$28,707	\$27,369
Investment of cash collateral	387	955	1,165
Accounts receivable, net	5,492	5,407	4,062
Capital assets, net	36,543	34,229	32,325
Other assets	4,521	4,580	3,132
Total assets	77,607	73,878	68,053
DEFERRED OUTFLOWS OF RESOURCES	14,622	10,701	4,669
LIABILITIES			
Debt, including commercial paper	26,653	24,584	23,659
Securities lending collateral	387	955	1,164
Net pension liability	21,779	18,118	9,775
Net retiree health benefits liability	23,853	19,862	18,862
Other liabilities	12,422	10,903	8,497
Total liabilities	85,094	74,422	61,957
DEFERRED INFLOWS OF RESOURCES	7,251	6,828	6,610
NET POSITION			
Net investment in capital assets	14,443	14,284	13,578
Restricted:			
Nonexpendable	1,264	1,225	1,182
Expendable	8,770	8,211	8,272
Unrestricted	(24,593)	(20,391)	(18,877)
Total net position	(\$116)	\$3,329	\$4,155

The University's Assets and Deferred Outflows



The University's total assets and deferred outflows of resources have increased to \$92.2 billion in 2020, compared to \$84.6 billion in 2019 and \$72.7 billion in 2018. Capital assets have increased due to continued investments in facilities in excess of depreciation. Investments increased due to positive financial market returns and unspent debt proceeds. Deferred outflows have increased primarily due to changes in the University's net pension and retiree health benefits liabilities.

Investments

Investments held by the University are principally carried in the following investment pools: the Short Term Investment Pool (STIP), the Total Return Investment Pool (TRIP), the Blue and Gold Pool (BGP) and the General Endowment Pool (GEP). Cash for operations and bond proceeds for construction expenditures are invested in STIP. The University uses STIP to meet operational liquidity needs. TRIP provides the opportunity to enhance returns on long-term capital by taking advantage of the economies of scale of investing in a large pool across a broad range of asset classes. The University maximizes its use of TRIP while still maintaining sufficient funds in STIP to meet operational and liquidity needs. BGP was created in April 2019 to enhance returns by passively investing funds in the equity and fixed-income markets. To meet increased liquidity needs during the pandemic, BGP was liquidated and closed on April 30, 2020 and the funds were deposited in STIP. The GEP is a balanced portfolio and the primary investment vehicle for individual endowments and funds functioning as endowments.

The Regents of the University of California ("The Regents") utilize asset allocation strategies that are intended to optimize investment returns over time in accordance with investment objectives and at acceptable levels of risk. GEP had positive returns of 5.0 percent in 2020, 8.2 percent in 2019 and 8.9 percent in 2018. BGP commenced operations on April 1, 2019 and had a positive return of 3.5 percent from inception through June 30, 2019. BGP had a negative 5.0 percent return from July 1, 2019 through April 30, 2020, when the pool was liquidated and closed. TRIP had positive returns of 1.7 percent, 6.3 percent and 4.5 percent in 2020, 2019 and 2018, respectively. STIP had positive returns of 2.1 percent, 2.2 percent and 2.0 percent in 2020, 2019 and 2018, respectively.

Investment of cash collateral

The University participates in a securities lending program incorporating securities owned by both the University and UCRS as a means to augment income. Cash collateral fluctuates in response to changes in demand from borrowers and the availability of securities based on the University's asset allocation mix.

Accounts receivable, net

Accounts receivable include amounts due from state and federal governments on contracts and grants, patient receivables for medical centers and professional medical fees, investment income, proceeds from security sales and amounts due for private grants and contracts. Receivables fluctuate based on the timing of collections and investment sales activity. In 2020 and 2019, medical center accounts receivable increased consistent with the growth in revenues. Additionally, in 2020, other receivables decreased by \$207.2 million in 2020 and increased by \$972.5 million in 2019 related to changes in pending sales of investment securities.

Capital assets, net

The University's enrollment growth and continuing needs for renewal, modernization and seismic correction of existing facilities are the key drivers of capital investments. Capital spending continued at a brisk pace in order to provide the facilities necessary to support the University's teaching, research and public service mission and for patient care. Capital spending includes constructing and renovating academic buildings, research laboratories, libraries, student services, parking structures and infrastructure projects at all ten campuses and five medical centers. The University has had a goal to increase affordable campus housing for more students given escalating living costs in many of the surrounding campus communities. The largest capital asset additions in 2020 and 2019 were the Merced campus expansion and the construction of housing facilities at several campuses. The project to expand the Merced campus was completed in the summer of 2020. Total additions of capital assets were \$4.6 billion in 2020 as compared to \$4.1 billion in 2019 and \$3.7 billion in 2018.

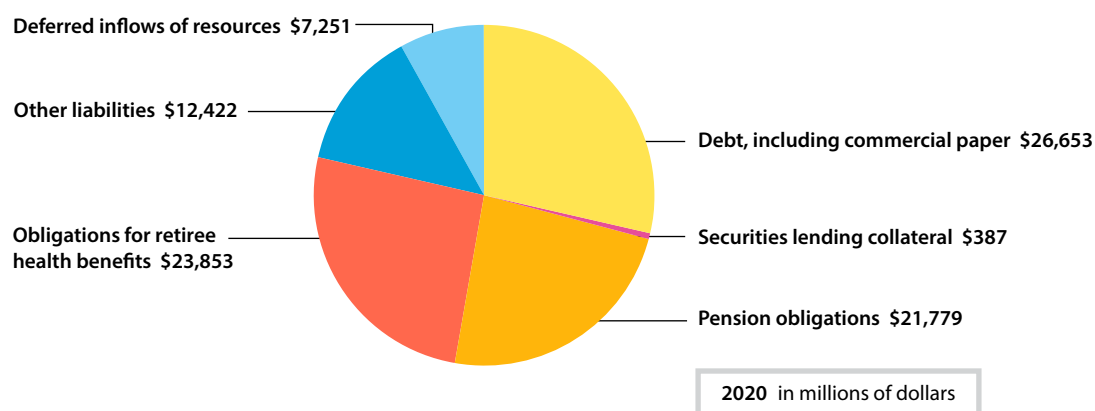
Other assets

Other assets include cash, investments held by trustees, pledge receivables, note and mortgage receivables, inventories and receivables from the DOE. In 2020, investments held by trustees decreased due to retirement of taxable bonds maturing on July 1, 2019 and the use of bond proceeds to construct third-party housing facilities. In 2019, \$286.5 million was held by trustees to retire taxable bonds maturing on July 1, 2019. Current and noncurrent investments held by trustees increased by \$524.1 million related to bond proceeds for the design and construction of third-party housing facilities in 2019, which decreased as proceeds were spent on construction in 2020. Inventories increased in 2020 due to the purchase of personal protective equipment and laboratory supplies for COVID-19. The noncurrent receivable from the DOE, which fluctuates with the net pension and retiree health benefits liabilities due to the DOE's continuing responsibility to contribute for retired and terminated vested members of LLNL and LANL, increased by \$141.0 million in 2020 as compared to 2019 and increased by \$605.5 million in 2019 as compared to 2018.

Deferred outflows of resources

Changes in fair values of the University's interest rate swaps that are determined to be hedging derivatives, losses on debt refundings, asset retirement obligations and certain changes in the net pension and net retiree health benefits liabilities are reported as deferred outflows of resources. In 2020, deferred outflows increased primarily due to lower than expected investment returns for the University of California Retirement Plan (UCRP) and the reduction in the discount rate for estimating the net retiree health benefits liability. In 2019, deferred outflows increased primarily for pension and retiree health benefits liabilities due to changes in assumptions from the experience study for the University.

The University's Liabilities and Deferred Inflows



The University's liabilities and deferred inflows of resources increased to \$92.3 billion in 2020 as compared to \$81.2 billion in 2019 and \$68.6 billion in 2018. The change in 2020 was primarily related to the issuance of additional debt to finance capital projects and increases in the liabilities for pension benefits and retiree health benefits. In 2019, the increase was primarily related to increases in the liability for pension benefits and other liabilities.

Debt, including commercial paper

Capital assets are financed from a variety of sources, including University equity contributions, state support, gifts, revenue bonds, bank loans and leases or structures that involve separate legal entities. Commercial paper and bank loans provide interim financing for capital assets during the construction period.

Outstanding debt increased by \$2.1 billion and \$0.9 billion in 2020 and 2019, respectively. A summary of the activity follows:

<i>(in millions of dollars)</i>	2020	2019
ADDITIONS TO OUTSTANDING DEBT		
General Revenue Bonds		\$653
Medical Center Pooled Revenue Bonds	\$1,949	
Blended Component Unit Revenue Bonds	175	662
Capital leases	48	16
Other borrowings	207	260
Commercial paper, net	753	
Bond premium, net	35	77
Additions to outstanding debt	3,167	1,668
REDUCTIONS TO OUTSTANDING DEBT		
Refinancing and prepayments	(218)	
Scheduled principal payments	(752)	(419)
Payments on other borrowings	(25)	(15)
Commercial paper, net		(207)
Amortization of bond premium	(102)	(102)
Reductions to outstanding debt	(1,097)	(743)
Net increase in outstanding debt	\$2,070	\$925

The University's debt, which is used to primarily finance capital assets, includes \$1.3 billion, \$574.5 million and \$781.8 million of commercial paper outstanding at the end of 2020, 2019 and 2018, respectively. Total debt outstanding was \$26.7 billion at the end of 2020 compared to \$24.6 billion and \$23.7 billion at the end of 2019 and 2018, respectively.

In 2020, \$1.9 billion of Medical Center Pooled Revenue Bonds, including \$1.8 billion in long-dated taxable bonds, were issued to finance the acquisition, construction, improvement and renovation of certain facilities at the University's medical centers. Proceeds of \$149.2 million were used to refund outstanding Medical Center Pooled Revenue Bonds. Additionally, \$175.1 million of tax-exempt bonds were issued to finance the construction of third-party housing facilities. Reductions to outstanding debt include \$777.6 million for scheduled principal payments.

In 2019, General Revenue Bonds of \$653.1 million were issued for operations and to finance certain facilities and projects. Proceeds of \$286.5 million were used to retire bonds maturing on July 1, 2019. Additionally, \$662.5 million of tax-exempt bonds were issued to finance the construction of third-party housing and dining facilities. Reductions to outstanding debt include \$434.4 million for scheduled principal payments.

In August 2016, the University entered into an agreement with a developer to design, construct, finance, operate and maintain certain auxiliary, administrative, academic and research facilities to expand the Merced campus, for which the University financed \$600 million of the total costs. Other borrowings at June 30, 2020 and 2019 include \$652.0 million and \$539.7 million, respectively, for the present value of the payments expected to be made over the term of the agreement through 2055 for the repayment of the private debt incurred by the developer during construction. In the event the agreement with the developer is terminated, the outstanding portion of the private debt incurred by the developer for the construction phase will become an obligation of the University.

The University's General Revenue Bond ratings are currently affirmed at Aa2, AA and AA by Moody's Investors Service, Standard & Poor's and Fitch, respectively, with a positive outlook by Moody's Investors Service and stable outlooks by Standard & Poor's and Fitch. The University's Limited Project Revenue Bonds and Medical Center Pooled Revenue Bonds are currently affirmed at Aa3, AA- and AA- by Moody's Investors Service, Standard & Poor's and Fitch, respectively, with a positive outlook by Moody's Investors Service and stable outlooks by Standard & Poor's and Fitch.

Commercial paper borrowings increased by \$752.5 million in 2020 as compared to 2019 and decreased by \$207.3 million in 2019 compared to 2018. Commercial paper is primarily used as interim financing for construction projects and short-term financing for other needs. Commercial paper fluctuates based upon the timing of refinancing construction projects with the issuance of long-term revenue bonds. The University has various revolving credit agreements totaling \$700.0 million with major financial institutions for the purpose of providing additional liquidity for certain variable-rate demand bonds, commercial paper and for other liquidity needs.

Securities lending collateral

Under the securities lending program, the University records a liability to the borrower for cash collateral received and held by the University for securities on loan at the end of the year. All borrowers are required to provide additional collateral by the next business day if the value of the collateral falls to less than 100 percent of the fair value of the securities lent. The amount of the securities lending collateral liability fluctuates directly with securities lending opportunities and the investment of cash collateral.

Net pension liability and retiree health benefits

The University has a financial responsibility for pension benefits associated with its defined benefit plans and for retiree health benefits. The University's net pension liability was \$21.8 billion, \$18.1 billion and \$9.8 billion in 2020, 2019 and 2018, respectively. The increase in 2020 was primarily driven by lower than expected investment returns for the UCRP portfolio. The increase in 2019 was primarily driven by changes in assumptions as a result of the most recent experience study, with the reduction in the discount rate and the changes in the mortality tables causing the largest increases. The total investment rate of return for UCRP was 1.7 percent in 2020, 6.0 percent in 2019 and 7.8 percent in 2018. The discount rate used to estimate the net pension liability was 6.75, 6.75 and 7.25 percent in 2020, 2019 and 2018, respectively.

LBNL participates in the University's defined benefit pension plan, although the DOE has an ongoing financial responsibility to reimburse the University for LBNL's share of the obligation to UCRP. In addition, under certain circumstances, the University makes contributions to UCRP for LANL and LLNL retirees and, based upon contractual arrangements with the DOE, is reimbursed by the DOE. The University recorded receivables from the DOE of \$1.0 billion, \$911.5 million and \$316.7 million for 2020, 2019 and 2018, respectively, representing the DOE's share of the net pension liability.

The University's net retiree health benefits liability was \$23.9 billion, \$19.9 billion and \$18.9 billion, in 2020, 2019 and 2018, respectively. While retiree health benefits are not a legal obligation of the University and can be canceled or modified at any time, accounting standards require the University to recognize a net retiree health benefits liability based on the current practices of providing retiree health benefits. The University funds the retiree health benefits through UCRHBT based on a projection of benefits on a pay-as-you-go basis and the assets in the trust are not sufficient to fund retiree health benefits. Therefore, the Bond Buyer 20-year tax-exempt general obligation municipal-bond index rate is used to discount the retiree health benefits liabilities. The increase in the net retiree health benefits liability was primarily driven by a decrease in the discount rate. The change in the net retiree health benefits liability in 2019 was driven by the decrease in the discount rate offset by reducing the inflation assumption and strong management of health care costs. The discount rates as of June 30, 2020, 2019 and 2018 were 2.21 percent, 3.50 percent and 3.87 percent, respectively.

LBNL participates in the University's retiree health benefits plans and, based on contractual arrangements with the DOE, the University is reimbursed for retiree health benefits costs associated with retirees who previously worked at LBNL. The University recorded receivables from the DOE of \$691.0 million, \$667.6 million and \$656.9 million for 2020, 2019 and 2018, respectively, representing the DOE's share of the net retiree health benefits liability.

Other liabilities

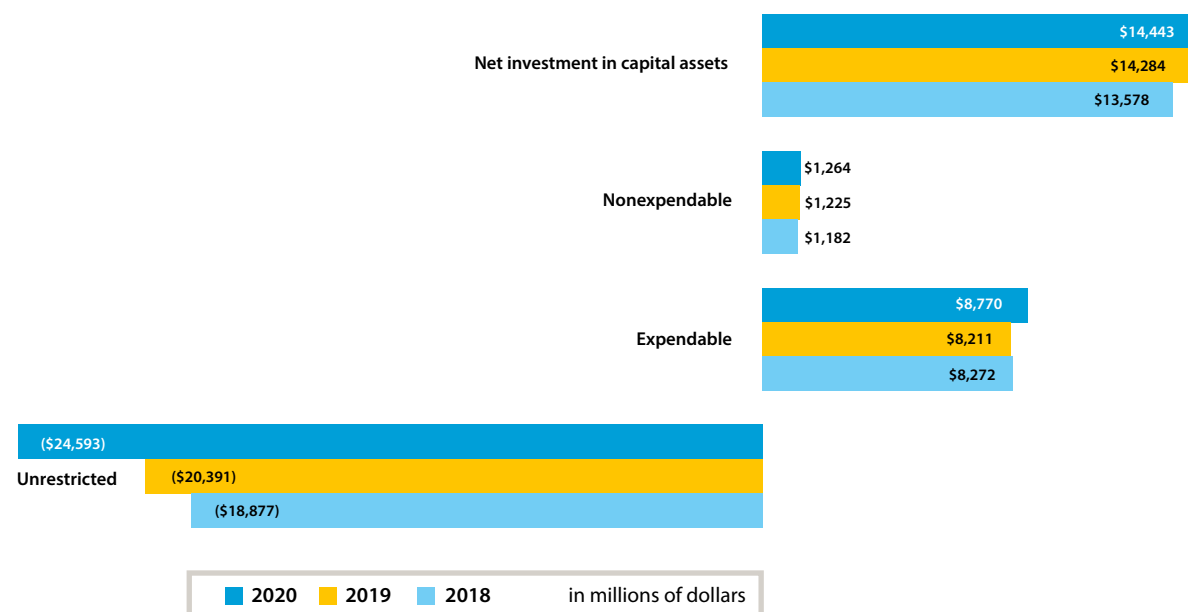
Other liabilities consist of accounts payable, accrued salaries, other employee benefits, unearned revenue, funds held for others, DOE laboratories' liabilities, federal refundable loans, self-insurance liabilities and obligations under split-interest agreements held by the University. Centers for Medicare & Medicaid Services (CMS) modified the advance payment program for health care providers as part of the Coronavirus Aid, Relief, and Economic Security (CARES) Act, and the medical centers received advances under this program of \$920.3 million as of June 30, 2020, which is reported in other current liabilities. In 2020 and 2019, accrued salaries and employee benefits increased due to the timing of payroll and benefit payments. In 2020, accrued liabilities increased by \$177.5 million primarily due to the deferral of deposits for the employer's share of the Social Security taxes as permitted under the CARES Act. In 2019, accounts payable increased by \$1.1 billion primarily due to higher payables for securities purchased as of June 30, 2019.

Deferred inflows of resources

Deferred inflows of resources are related to the University's service concession arrangements, gains on debt refundings, sales of certain future patent royalty revenues, changes in the estimated future value of irrevocable split-interest agreements and certain changes in the net pension and net retiree health benefits liabilities. Changes in deferred inflows of resources was primarily due to fluctuations in the net pension and retiree health benefits liabilities.

The University's Net Position

Net position represents the residual interest in the University's assets and deferred outflows after all liabilities and deferred inflows are deducted. The University's net position was negative \$0.1 billion in 2020 compared to positive \$3.3 billion in 2019 and positive \$4.2 billion in 2018. Net position is reported in the following categories: net investment in capital assets; restricted, nonexpendable; restricted, expendable; and unrestricted.



Net investment in capital assets

The portion of net position invested in capital assets, net of accumulated depreciation and the related outstanding debt used to finance the acquisition, construction or improvement of these capital assets, was \$14.4 billion in 2020 compared to \$14.3 billion in 2019 and \$13.6 billion in 2018. To support its growth, the University continues to invest in its physical facilities and financing with debt is used for a significant portion of the investments.

Restricted, nonexpendable

Restricted, nonexpendable net position includes the corpus of the University's permanent endowments. In 2020 and 2019, the increase in restricted nonexpendable net position was principally due to the receipt of new gifts.

Restricted, expendable

Restricted, expendable net position is subject to externally imposed restrictions governing their use. Net position may be spent only in accordance with the restrictions placed upon them and may include endowment income and gains, subject to the University's spending policy; support received from gifts, appropriations or capital projects and trustee-held investments. The increases or decreases in restricted, expendable funds are principally due to the timing of spending restricted gifts and endowment income and gains.

Unrestricted

Under generally accepted accounting principles, net position that is not subject to externally imposed restrictions governing their use must be classified as unrestricted for financial reporting purposes. Unrestricted net position is negative due primarily to obligations for pension and retiree health benefits exceeding University assets available to pay such obligations. Although unrestricted net position is not subject to externally imposed restrictions, substantially all of the University's reserves are allocated for academic and research initiatives or programs, for capital projects or for other purposes.

THE UNIVERSITY'S RESULTS OF OPERATIONS

The statement of revenues, expenses and changes in net position is a presentation of the University's operating results and indicates whether the financial condition has improved or deteriorated. In accordance with the Governmental Accounting Standards Board (GASB) requirements, certain significant revenues relied upon and budgeted for fundamental operational support of the core instructional mission of the University are required to be recorded as nonoperating revenues, including state educational appropriations, private gifts and investment income. A summarized comparison of the operating results for 2020, 2019 and 2018, arranged in a format that matches the revenue supporting the core activities of the University with the expenses associated with these core activities, is as follows:

(in millions of dollars)	2020			2019			2018		
	OPERATING	NONOPERATING	TOTAL	OPERATING	NONOPERATING	TOTAL	OPERATING	NONOPERATING	TOTAL
REVENUES									
Student tuition and fees, net	\$5,298		\$5,298	\$5,170		\$5,170	\$4,839		\$4,839
State educational appropriations		\$3,686	3,686		\$3,508	3,508		\$3,386	3,386
Direct government grants		684	684						
Federal Pell Grants		443	443		438	438		422	422
Grants and contracts, net	6,249		6,249	5,977		5,977	5,709		5,709
Medical centers, net	14,170	23	14,193	13,208	34	13,242	12,065	22	12,087
Educational activities, net	4,229		4,229	4,009		4,009	3,670		3,670
Auxiliary enterprises, net	1,415		1,415	1,717		1,717	1,685		1,685
Department of Energy laboratories	1,083		1,083	1,577		1,577	1,062		1,062
Private gifts, net		1,516	1,516		1,441	1,441		1,315	1,315
Investment income, net		385	385		442	442		413	413
Other revenues	1,046	54	1,100	937	53	990	971	127	1,098
Revenues supporting core activities	33,490	6,791	40,281	32,595	5,916	38,511	30,001	5,685	35,686
EXPENSES									
Salaries and wages	18,427		18,427	16,984		16,984	15,953		15,953
Pension benefits	5,355		5,355	4,340		4,340	1,339		1,339
Retiree health benefits	1,692		1,692	1,292		1,292	1,295		1,295
Other employee benefits	3,593		3,593	3,289		3,289	3,246		3,246
Scholarships and fellowships	1,039		1,039	850		850	767		767
Utilities	318		318	336		336	304		304
Supplies and materials	4,218		4,218	4,057		4,057	3,610		3,610
Depreciation and amortization	2,184		2,184	2,100		2,100	2,027		2,027
Department of Energy laboratories	1,076		1,076	1,571		1,571	1,055		1,055
Interest expense		922	922		767	767		746	746
Other expenses	5,503	89	5,592	5,284	72	5,356	4,851		4,851
Expenses associated with core activities	43,405	1,011	44,416	40,103	839	40,942	34,447	746	35,193
Income (loss) from core activities	(\$9,915)	\$5,780	(4,135)	(\$7,508)	\$5,077	(2,431)	(\$4,446)	\$4,939	493
OTHER NONOPERATING ACTIVITIES									
Net appreciation in fair value of investments			406			1,387			890
Income (loss) before other changes in net position			(3,729)			(1,044)			1,383
OTHER CHANGES IN NET POSITION									
State capital appropriations			(1)						
Capital gifts and grants, net			252			195			403
Permanent endowments			33			23			25
Increase (decrease) in net position			(3,445)			(826)			1,811
NET POSITION									
Beginning of year			3,329			4,155			2,344
End of year			(\$116)			\$3,329			\$4,155

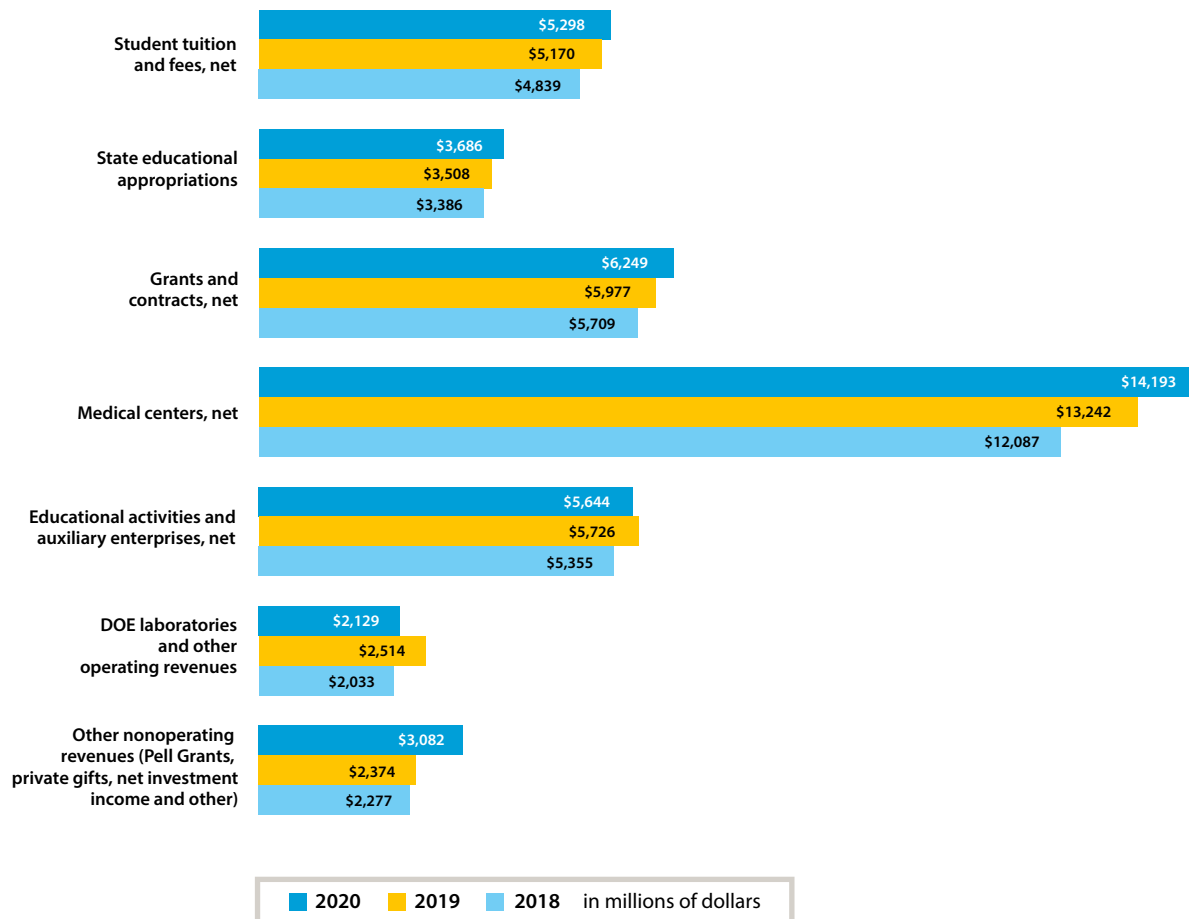
Revenues supporting core activities

Revenues to support the University's core activities, including those classified as nonoperating revenues, were \$40.3 billion, \$38.5 billion and \$35.7 billion in 2020, 2019 and 2018, respectively. These diversified sources of revenue increased by \$1.8 billion in 2020 and \$2.8 billion in 2019.

The state of California's educational appropriations, in conjunction with student tuition and fees, are the core components that support the instructional mission of the University. Grants and contracts provide opportunities for undergraduate and graduate students to participate in basic research alongside some of the most prominent researchers in the country.

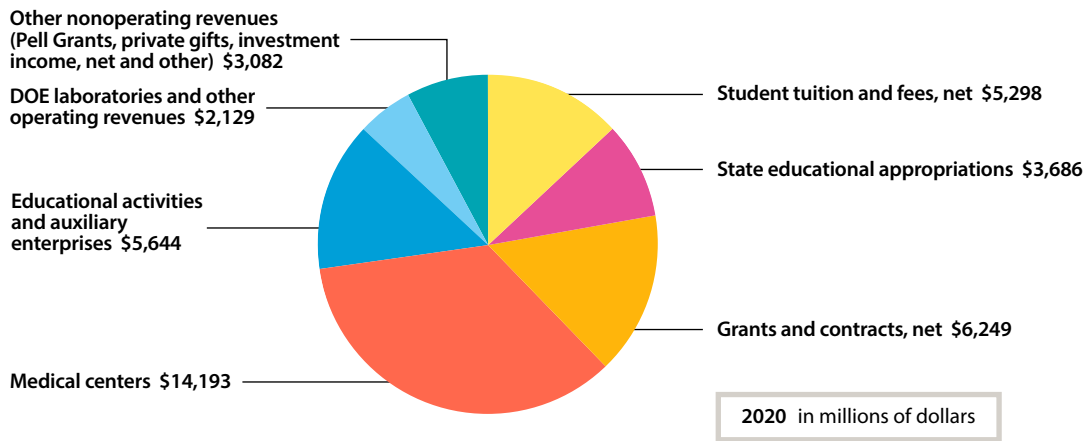
Gifts to the University allow crucial flexibility to faculty for support of their fundamental activities or new academic initiatives. Other significant revenues are from medical centers, educational activities and auxiliary enterprises such as student housing, food service operations and parking.

The growth in certain revenues slowed in 2020 due to the impacts of COVID-19. Revenues in the various categories have changed as follows:



A major financial strength of the University is its diverse source of revenues, including those from student fees, federally sponsored grants and contracts, medical centers, the state of California, private support and auxiliary enterprises. The variety of fund sources has become increasingly important over the past several years.

Categories of both operating and nonoperating revenue that supported the University’s core activities in 2020 are as follows:



Student tuition and fees, net

Net student tuition and fees were \$5.3 billion, \$5.2 billion and \$4.8 billion in 2020, 2019 and 2018, respectively. Scholarship allowances, or financial aid, are the difference between the stated charge for tuition and fees and the amount that is paid by the student and third parties on behalf of the student. Scholarship allowances, netted against student tuition and fees, were \$1.3 billion, \$1.2 billion and \$1.3 billion in 2020, 2019 and 2018, respectively. Student tuition and fees, net of scholarship allowances, increased by \$127.8 million and \$331.4 million in 2020 and 2019, respectively, due to enrollment growth.

In 2020, enrollment grew by 1.7 percent and in 2019 enrollment grew by 2.6 percent. Mandatory tuition for resident undergraduates remained the same in 2020 and decreased 0.5 percent in 2019. Certain nonresident undergraduates and resident and nonresident graduate students experienced increases in mandatory tuition and fees. Professional degree supplemental tuition varies by discipline; certain increases were approved for 2020, 2019 and 2018.

State educational appropriations

Educational appropriations from the state of California were \$3.7 billion, \$3.5 billion and \$3.4 billion in 2020, 2019 and 2018, respectively. State educational appropriations increased in 2020 and 2019 by \$178.0 million and \$122.0 million, respectively.

Direct government grants

In 2020, the University received funds under certain provisions of the CARES Act to minimize the impacts of lost revenues and increased expenses related to COVID-19. The campuses received \$210.0 million in grants to provide emergency financial aid to students and to mitigate the impacts of lost revenue and additional technology expenses associated with moving to online education. The medical centers received \$438.6 million and the faculty practices received \$35.0 million in CARES Act provider relief funding for lost health care revenues and additional expenses for treating patients with COVID-19.

Grants and contracts, net

Revenue from federal, state, private and local government grants and contracts — including an overall facilities and administration cost recovery of \$1.2 billion, \$1.2 billion and \$1.1 billion in 2020, 2019 and 2018, respectively — was \$6.2 billion, \$6.0 billion and \$5.7 billion in 2020, 2019 and 2018, respectively.

In 2020, federal grants and contracts revenue increased \$179.0 million, or 5.1 percent, as compared to 2019. In 2019, federal grants and contracts revenue increased \$227.0 million, or 6.9 percent, as compared to 2018. Federal grants and contracts include federal facilities and administrative cost recovery of \$862.0 million, \$829.0 million and \$782.0 million in 2020, 2019 and 2018, respectively. Changes in the federal budget impact the University's growth in federal grants and contracts. Grants and contracts revenue, including grants for research related to COVID-19 in 2020, is from a variety of federal agencies as indicated below:

<i>(in millions of dollars)</i>	2020	2019	2018
Department of Health and Human Services	\$2,274	\$2,176	\$2,035
National Science Foundation	456	461	464
Department of Education	84	81	78
Department of Defense	328	299	261
National Aeronautics and Space Administration	89	91	86
Department of Energy (excluding national laboratories)	134	118	108
Other federal agencies	343	303	270
Federal grants and contracts net revenue	\$3,708	\$3,529	\$3,302

Medical centers, net

Medical center revenues, net of allowances, increased \$1.0 billion, or 7.2 percent, in 2020 and increased \$1.2 billion, or 9.6 percent, in 2019. Revenues growth was impacted in 2020 due to the lower occupancy starting in March, as the medical centers canceled elective procedures in preparation for an expected flood of patients with COVID-19. In May, some elective procedures resumed and hospital volumes are gradually increasing; however, volumes were still lower than normal. Revenues increased in 2019 due to increases in both inpatient and outpatient volumes and higher supplemental payments.

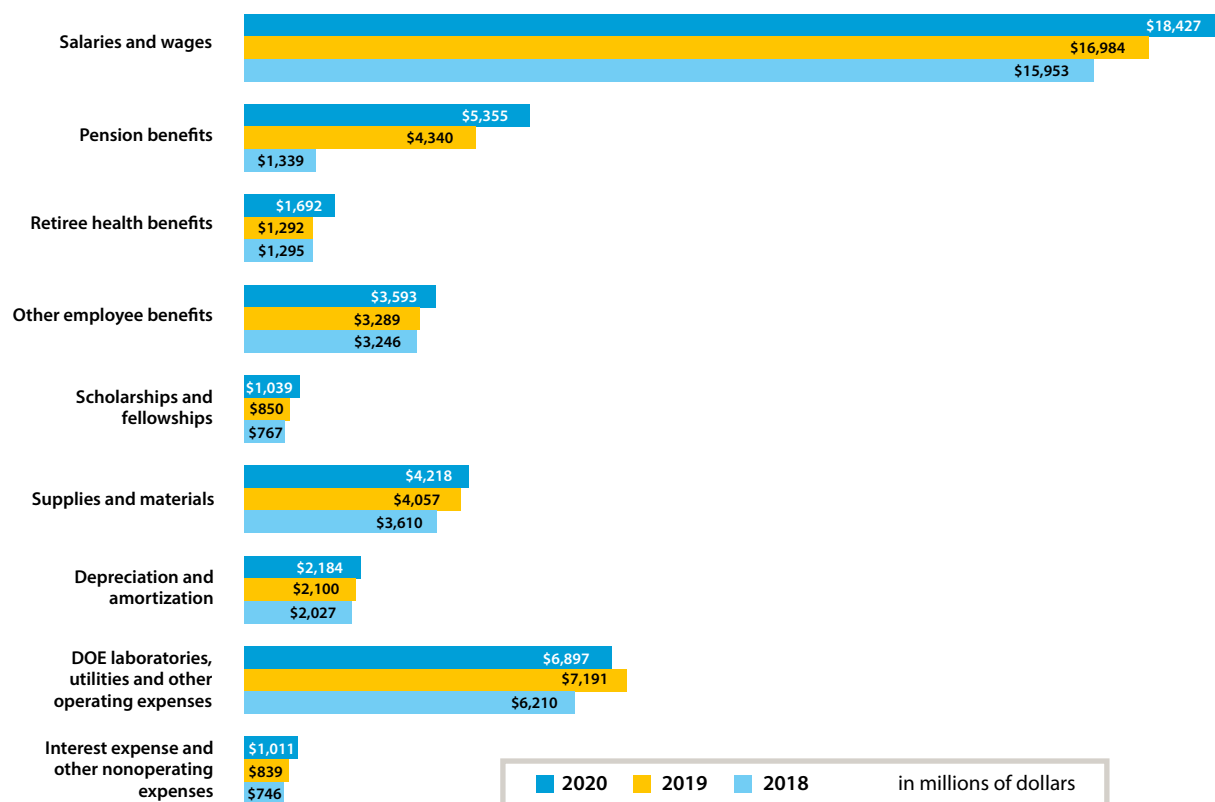
Educational activities and auxiliary enterprises, net

Revenue from educational activities, primarily medical professional fees, net of allowances, increased by \$219.8 million, or 5.5 percent, in 2020 and increased by \$338.5 million, or 9.2 percent, in 2019. Revenues increased slower in 2020 due to the cancellation of clinic visits, starting in March, as a result of the outbreak of COVID-19. The growth in 2019 is generally associated with an expanded patient base and improved collections.

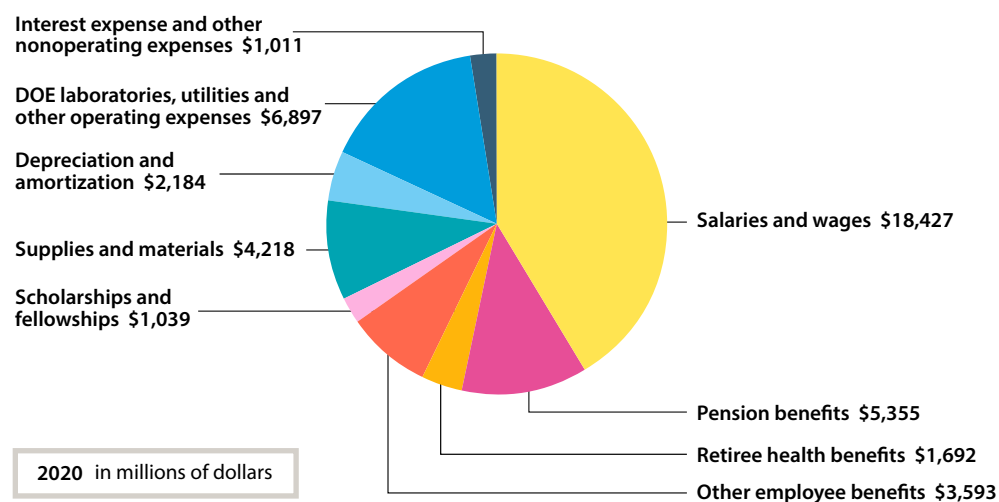
Auxiliary enterprises include housing, food service, parking, bookstores, student centers, unions and child-care centers. Revenue from auxiliary enterprises, net of allowances, decreased by \$301.6 million, or 17.6 percent, in 2020 and increased by \$32.0 million, or 1.9 percent, in 2019. In the spring of 2020, when the state orders to shelter in place were issued, students were permitted to cancel housing contracts for the remainder of the academic year. Many students elected to move home and student refunds of \$299.0 million were issued related to canceled housing contracts and dining plans. In 2019, auxiliary revenues increased consistent with enrollment and the University's initiative to expand campus housing while minimizing increases in housing costs for students.

Expenses associated with core activities

Expenses associated with the University's core activities, including those classified as nonoperating expenses, were \$44.4 billion, \$40.9 billion and \$35.2 billion in 2020, 2019 and 2018, respectively. Expenses increased in 2020 by \$3.5 billion and in 2019 by \$5.7 billion. The University's operations continued to grow, principally at the medical centers, and salaries and employee benefits increased consistent with the overall expected growth in operations. In 2020, supplies and equipment expenses increased due to COVID-19, pension expenses increased due to lower than expected returns and retiree health benefits increased due to a lower discount rate. In 2019, pension expense, representing the largest change, increased by \$3.0 billion due to changes in assumptions as a result of the experience study. Expenses in the various categories are as follows:



Categories of both operating and nonoperating expenses related to the University's core activities in 2020 are as follows:



Salaries and benefits

Approximately two-thirds of the University's expenses are related to salaries and benefits. There were 169,800 full-time equivalent (FTE) employees in 2020, excluding employees who were associated with LBNL, whose salaries and benefits were included as laboratory expenses, as compared to 162,600 FTEs in 2019. Total salaries and benefits increased by 12.2 percent and 18.7 percent in 2020 and 2019, respectively, primarily driven by higher pension and retiree health expenses.

In 2020, salaries increased by 8.5 percent, 4.5 percent due to an increase in the number of FTEs and 4.0 percent due to an increase in the average salary per FTE. Even though the University moved to online learning starting in March 2020, the University elected not to layoff any employees before June 30, 2020. Employee benefits, excluding pension and retiree health care benefits, increased by \$304.1 million, or 9.2 percent, in 2020, consistent with the increase in FTEs and due to higher costs for health care benefits. Pension expense increased by \$1.0 billion, or 23.4 percent, due to lower than expected investment returns. Retiree health benefits expense increased by \$399.9 million or 30.9 percent due to the decrease in the discount rate.

In 2019, salaries increased by 6.5 percent, 2.4 percent due to an increase in the number of FTEs and 4.1 percent due to an increase in the average salary per FTE. Employee benefits, excluding pension and retiree health care benefits, increased by \$43.0 million, or 1.3 percent in 2019, which is less than the increase in FTEs due to the management of healthcare costs. Pension expense increased by \$3.0 billion or 224.0 percent due to changes in assumptions related to the experience study. In 2019, retiree health expense decreased by \$2.6 million or 0.2 percent due to the decrease in the discount rate offset by reducing the inflation assumption and management of health care costs.

Scholarships and fellowships

The University places a high priority on student financial aid as part of its commitment to affordability. Scholarship allowances, representing financial aid and fee waivers awarded by the University, were \$2.5 billion, \$2.3 billion and \$2.3 billion in 2020, 2019 and 2018, respectively. Scholarships and fellowships, representing payments of financial aid made directly to students and reported as an operating expense were \$1.0 billion, \$850.4 million and \$766.9 million in 2020, 2019 and 2018, respectively. On a combined basis, as the University continues its commitment to provide financial support for needy students, financial aid in all forms increased by \$200.4 million, or 8.6 percent, in 2020 as compared to 2019, and by \$77.9 million, or 3.5 percent, in 2019 as compared to 2018. Increases in financial aid, scholarships and fellowships in both 2020 and 2019 are consistent with increases in enrollment, tuition and fees and housing costs since the University's practice is to minimize the impact of cost increases on first-generation and low-income students. Financial aid includes payments to students of \$116.4 million in 2020 related to funds received under the CARES Act.

Supplies and materials

During 2020 and 2019, supplies and materials costs increased by \$161.0 million, or 4.0 percent and \$446.9 million, or 12.4 percent, respectively. The largest increases occurred at the medical centers due to patient volumes. In 2020, expenses for personal protective, laboratory and cleaning supplies increased due to the outbreak of COVID-19. In 2019, supply costs also increased for research activities related to the increased federal contract and grant activities. In recent years, there has been inflationary pressure on the costs for medical supplies and laboratory instruments and higher costs for general supplies necessary to support expanded medical patient volumes. The University continues to find opportunities to manage the costs of supplies and materials.

Other expenses

Other expenses consist of a variety of expense categories, including travel, rent, insurance, legal settlements and repairs and maintenance, plus any gain or loss on disposals of capital assets and other nonoperating expenses.

Operating losses

In accordance with the GASB's reporting standards, operating losses were \$9.9 billion, \$7.5 billion and \$4.4 billion in 2020, 2019 and 2018, respectively. The operating losses in 2020, 2019 and 2018 were offset by \$5.8 billion, \$5.1 billion and \$4.9 billion, respectively, of net nonoperating revenue that supports core operating activities of the University. Expenses exceeded revenues associated with core activities in 2020 by \$4.1 billion and by \$2.4 billion in 2019, and in 2018 revenues exceeded expenses by \$0.5 billion. In 2020, the net loss is due to lost revenues and increased expenses as a result of COVID-19 and higher pension expense related to lower than expected investment earnings. In 2019, the decrease is due to increased pension expense related to changes in assumptions, primarily a lower discount rate and inflation expectation and longer mortality tables, as a result of the experience study.

Other nonoperating activities

The University's other nonoperating activities, consisting of net appreciation or depreciation in the fair value of investments, are noncash transactions and, therefore, are not available to support operating expenses. In 2020, 2019 and 2018, the University recognized net appreciation in the fair value of investments of \$0.4 billion, \$1.4 billion and \$0.9 billion, respectively. The University's portfolio experienced positive returns in the equity markets.

Other changes in net position

Similar to other nonoperating activities discussed above, other changes in net position are also not available to support the University's operating expenses in the current year. State capital appropriations and capital gifts and grants may only be used for the purchase or construction of the specified capital assets. Only income earned from gifts of permanent endowments is available in future years to support the specified program.

THE UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS

Separate foundations at each individual campus provide valuable assistance in fundraising, public outreach and other support for the missions of the campus and the University. Although independent boards govern each of the foundations, they are affiliated with, and their assets are dedicated for, the benefit of the University of California.

The Campus Foundations' Financial Position

The campus foundations' statement of net position presents their combined financial position at the end of the year. It displays all of the campus foundations' assets, liabilities, deferred inflows and net position. The difference between assets, liabilities and deferred inflows is net position, representing a measure of the current financial condition of the campus foundation.

The major components of the combined assets, liabilities and net position of the campus foundations at June 30, 2020, 2019 and 2018 are as follows:

<i>(in millions of dollars)</i>	2020	2019	2018
ASSETS			
Investments	\$10,758	\$9,978	\$9,240
Investment of cash collateral	42	36	45
Accounts receivable, net	102	37	13
Pledges receivable, net	842	888	1,006
Other assets	478	579	567
Total assets	12,222	11,518	10,871
LIABILITIES			
Current liabilities	485	419	415
Noncurrent liabilities	435	428	421
Total liabilities	920	847	836
DEFERRED INFLOWS OF RESOURCES	213	229	232
NET POSITION			
Restricted:			
Nonexpendable	5,326	4,885	4,407
Expendable	5,106	5,018	4,966
Unrestricted	657	539	430
Total net position	\$11,089	\$10,442	\$9,803

Investments increased in 2020 and 2019 due to the performance of the financial markets. The Board of Trustees for each campus foundation is responsible for its specific investment policy, although asset allocation guidelines are recommended to campus foundations by the Investments Committee of The Regents. The Boards of Trustees may determine that all or a portion of their investments will be managed by the University's Chief Investment Officer. The Chief Investment Officer managed \$3.0 billion, \$2.9 billion and \$2.6 billion of the campus foundations' investments at the end of 2020, 2019 and 2018, respectively.

Net position represents the residual interest in the assets after all liabilities and deferred inflows are deducted. Restricted, nonexpendable net position includes the corpus of the campus foundations' permanent endowments and new gifts are the primary reason for the increase each year. Restricted, expendable net position is subject to externally imposed restrictions and is only available in accordance with the restrictions placed upon them by donors. Restricted, expendable net position also includes endowment income and investment gains, subject to each individual campus foundation's spending policy. New gifts less grants to campuses and changes in the fair value of investments were the primary reasons for the changes in net position in 2020 and 2019.

The Campus Foundations' Results of Operations

The campus foundations' combined statement of revenues, expenses and changes in net position is a presentation of their operating results for the year. It indicates whether their financial condition has improved or declined during the year.

A summarized comparison of the operating results for 2020, 2019 and 2018 is as follows:

<i>(in millions of dollars)</i>	2020	2019	2018
OPERATING REVENUES			
Private gifts and other revenues	\$1,303	\$919	\$1,341
Total operating revenues	1,303	919	1,341
OPERATING EXPENSES			
Grants to campuses and other expenses	1,330	1,170	1,136
Total operating expenses	1,330	1,170	1,136
Operating income (loss)	(27)	(251)	205
NONOPERATING REVENUES			
Investment income	51	71	77
Net appreciation in fair value of investments	180	361	646
Income before other changes in net position	204	181	928
OTHER CHANGES IN NET POSITION			
Permanent endowments	443	458	409
Increase in net position	647	639	1,337
NET POSITION			
Beginning of year	10,442	9,803	8,466
End of year	\$11,089	\$10,442	\$9,803

Operating expenses generally consist of grants to University campuses. Grants to the campuses include current-use donor gifts, the annual income distributions on endowments and gift fees. Grants to campuses typically follow the pattern indicated by private gift revenue; however, the campuses' programmatic needs are also taken into consideration, subject to abiding by the restricted purposes specified by the donor for the use of gifts and endowment income.

Since gifts are transferred only when the cash is received and investment income is classified as nonoperating income, operating losses can occur when grants distributed to the campuses exceed gift revenues.

THE UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM (UCRS)

UCRS is a valuable component of the comprehensive benefits package offered to employees of the University. UCRS consists of two defined benefit plans and four defined contribution plans. The defined benefit plans include the University of California Retirement Plan (UCRP) for members and the California Public Employees Retirement System (PERS) Voluntary Early Retirement Incentive Plan (UC-VERIP) for certain University employees that were members of PERS who elected early retirement. The University of California Retirement Savings Program (UCRSP) includes four defined contribution plans (Defined Contribution Plan, Supplemental Defined Contribution Plan, 403(b) Plan and 457(b) Plan), with several investment portfolio options for participants' elective and nonelective contributions.

UCRS' Financial Position and Result of Operations

The statement of plans' fiduciary net position presents the financial position of UCRS at the end of the fiscal year. It displays all of the retirement system's assets, liabilities and net position. The difference between assets and liabilities is the net position held in trust for pension benefits. These represent amounts available to provide pension benefits to members of UCRP and participants in the defined contribution plans and UC-VERIP. At June 30, 2020, UCRS' assets were \$109.5 billion, liabilities were \$11.3 billion and net position held in trust for pension benefits were \$98.2 billion, an increase of \$2.1 billion from 2019. At June 30, 2019, UCRS' assets were \$104.8 billion, liabilities were \$8.6 billion and net position held in trust for pension benefits were \$96.1 billion, an increase of \$4.9 billion from 2018.

The major components of the assets, liabilities and net position available for pension benefits for 2020, 2019 and 2018 are as follows:

<i>(in millions of dollars)</i>	2020	2019	2018
ASSETS			
Investments	\$97,278	\$95,457	\$90,873
Participants' interests in mutual funds	1,829	1,692	1,585
Investment of cash collateral	7,589	6,129	6,158
Other assets	2,828	1,488	465
Total assets	109,524	104,766	99,081
LIABILITIES			
Securities lending collateral	7,589	6,127	6,157
Other liabilities	3,690	2,517	1,699
Total liabilities	11,279	8,644	7,856
NET POSITION HELD IN TRUST FOR PENSION BENEFITS			
Members' defined benefit plan benefits	70,978	70,344	66,839
Participants' defined contribution plan benefits	27,267	25,779	24,386
Total net position held in trust for pension benefits	\$98,245	\$96,123	\$91,225

The statements of changes in the plans' fiduciary net position are a presentation of UCRS' operating results. The statements indicate whether the financial condition has improved or deteriorated during the year. A summarized comparison of the operating results for 2020, 2019 and 2018 is as follows:

<i>(in millions of dollars)</i>	2020	2019	2018
ADDITIONS			
Contributions	\$5,107	\$4,815	\$4,760
Net appreciation (depreciation) in fair value of investments	978	3,701	5,099
Investment and other income, net	1,590	1,725	1,556
Total additions	7,675	10,241	11,415
DEDUCTIONS			
Benefit payments and participant withdrawals	5,481	5,275	4,812
Plan expenses	72	68	40
Total deductions	5,553	5,343	4,852
Increase in net position held in trust for pension benefits	\$2,122	\$4,898	\$6,563

The Regents' asset allocation strategies are intended to generate investment returns over time in accordance with investment objectives and at acceptable levels of risk. The overall investment return for UCRP was 1.7 percent in 2020 as compared to 6.0 percent in 2019 and 7.8 percent in 2018.

The participants' interests in mutual funds, representing defined contribution plan contributions to certain mutual funds on a custodial plan basis, fluctuate based upon market performance of the mutual funds and participant investment elections.

UCRS participates in the University's securities lending program as a means to augment income. All borrowers are required to provide collateral and the University records a liability to the borrower for cash collateral received and held by the University for securities on loan at the end of the year. Investments in cash collateral and the securities lending collateral liability fluctuate in response to changes in demand from borrowers and the availability of securities based upon the UCRS asset allocation mix.

Contributions to UCRP were \$3.5 billion, \$3.4 billion and \$3.4 billion in 2020, 2019 and 2018, respectively, and including contributions from employees of \$1.0 billion, \$1.0 billion and \$0.9 billion in 2020, 2019 and 2018, respectively. Contributions also included \$169.0 million, received from the state of California in 2018 and additional deposits of \$500.0 million, \$500.0 million and \$391.8 million made by the University in 2020, 2019 and 2018, respectively. University contribution rates to UCRP were 14.0 percent of covered payroll in 2020, 2019 and 2018. Employee contribution rates ranged between 7.0 percent and 9.0 percent in 2020, 2019 and 2018. The University contribution rate will be increased starting July 1, 2020 by 0.5 percent per year, on July 1st, for six years to 17.0 percent. Contributions to the retirement savings plans were \$1.6 billion, \$1.4 billion and \$1.3 billion in 2020, 2019 and 2018, respectively.

Benefit payments and participant withdrawals were \$205.9 million more in 2020 than in 2019 and \$463.0 million more in 2019 than in 2018. Payments from UCRP increase each year due to a growing number of retirees receiving payments and cost-of-living adjustments (COLAs). Benefit payments from UCRSP fluctuate based upon member withdrawals. Participant withdrawals increased by \$77.4 million, or 5.3 percent, in 2020 as compared to 2019, and increased by \$234.5 million, or 19.2 percent, in 2019 as compared to 2018. As of June 30, 2020, over 80,700 retirees and beneficiaries were receiving payments from UCRP as compared to over 79,100 as of June 30, 2019 and 75,900 as of June 30, 2018.

The net pension liability for UCRP was \$21.7 billion in 2020, \$18.1 billion in 2019 and \$9.8 billion in 2018. The increase in net pension liability for 2020 of \$3.6 billion was primarily due to lower than expected investment returns on the UCRP investment portfolio. The increase in net pension liability of \$8.3 billion for 2019 was primarily due to lower than expected investment returns on the UCRP investment portfolio and assumption changes, including a lower discount rate, longer life expectancies and lower inflation. The ratio of plan net position to total pension liability was 76.6 percent in 2020, 79.5 percent in 2019 and 87.2 percent in 2018.

Additional information on the retirement plans can be obtained from the 2020 annual reports of the University of California Retirement System by writing to the University of California, Office of the President, Human Resources and Benefits, Post Office Box 24570, Oakland, California 94623.

THE UNIVERSITY OF CALIFORNIA RETIREE HEALTH BENEFIT TRUST (UCRHBT)

UCRHBT was established on July 1, 2007 to allow certain University locations — primarily campuses and medical centers — that share the risks, rewards and costs of providing for retiree health benefits the opportunity to fund such benefits on a cost-sharing basis and accumulate funds under an arrangement segregated from University assets. The University contributes toward retiree medical and dental benefits, although it does not contribute toward the cost of other benefits available to retirees. The DOE laboratories do not participate in UCRHBT, therefore the DOE has no interest in the trust's assets.

UCRHBT's Financial Position and Result of Operations

The statement of trust's fiduciary net position presents the financial position of the UCRHBT at the end of the fiscal year. It displays the UCRHBT's assets, liabilities and net position. The difference between assets and liabilities is the net position held in trust for retiree health benefits. This represents amounts available to provide retiree health benefits to participants.

The major components of the assets, liabilities and net position available for retiree health benefits for 2020, 2019 and 2018 were as follows:

<i>(in millions of dollars)</i>	2020	2019	2018
ASSETS			
Investments	\$142	\$136	\$128
Other assets	37	40	24
Total assets	179	176	152
LIABILITIES			
Total liabilities	22	19	18
NET POSITION HELD IN TRUST FOR RETIREE HEALTH BENEFITS			
Total net position held in trust for retiree health benefits	\$157	\$157	\$134

The statement of changes in the trust's fiduciary net position is a presentation of UCRHBT's operating results and indicates whether the financial condition has improved or deteriorated during the year. Summarized operating results for 2020, 2019 and 2018 are as follows:

<i>(in millions of dollars)</i>	2020	2019	2018
ADDITIONS			
Contributions	\$341	\$333	\$338
Investment and other income	2	3	2
Total additions	343	336	340
DEDUCTIONS			
Insurance premiums and payments	339	309	309
Plan expenses	4	4	4
Total deductions	343	313	313
Change in net position held in trust for retiree health benefits		\$23	\$27

Contributions for retiree health benefits are made by the campuses and medical centers based upon projected pay-as-you-go financing. The University acts as a third-party administrative agent on behalf of UCRHBT to pay health care insurers and administrators amounts currently due.

The retiree health benefits provided under the University's plan and any liabilities related to the future funding requirements for the retiree health benefits are reported by the University. The net retiree health benefits liability for UCRHBT was \$23.1 billion, \$19.2 billion and \$18.3 billion in 2020, 2019 and 2018, respectively.

LOOKING FORWARD

The University of California is a world center of learning, known for generating a steady stream of talent, knowledge and social benefits, and has always been at the center of California's capacity to innovate. The excellence of its programs attracts the best students, leverages hundreds of millions of dollars in state, federal and private funding and promotes discovery of new knowledge that fuels economic growth.

The outbreak of COVID-19, a respiratory disease caused by a new strain of coronavirus, has been declared a pandemic by the World Health Organization. The outbreak of the disease has affected travel, commerce and financial markets globally, in the United States and in the state, including cities and counties throughout the state. The University continues to comply with state and local requirements to limit the number of students, faculty and staff on campuses. The University has announced that substantially all courses for the fall sessions will be held online and, as a result, occupancy in campus housing will be lower than normal capacity. Auxiliary revenues from housing, dining, parking and athletics are expected to be significantly lower for 2020-21. Additional costs for testing and tracing, cleaning and laboratory supplies and personal protective equipment for patient care and students, faculty and staff on campuses and are expected to continue for 2020-21. There have been and may continue to be material financial impacts to the University due to COVID-19 that will affect financial results for 2021 and potentially beyond.

The Governor signed the 2020-2021 State Budget Act on June 29, 2020. State funds allocated to the University of a total of \$3.5 billion, which reflect a decrease of 7 percent to the University's base budget. In total, the University received a reduction of \$259.3 million to its ongoing support, with permanent funding provided for the following: \$25 million for the UC Riverside School of Medicine and \$15 million for the UCSF Fresno branch campus.

The University remains highly competitive in attracting federal grants and contracts revenue, with fluctuations in the awards received closely paralleling trends in the budgets of federal research granting agencies. Over two-thirds of the University's federal research revenue comes from two agencies, the Department of Health and Human Services, primarily through the National Institutes of Health, and the National Science Foundation. Other agencies that figure prominently in the University's awards are the Department of Education, Department of Defense, the National Aeronautics and Space Administration and the Department of Energy. The University is a unique national resource for helping the nation address competitiveness and economic initiatives.

The University's medical centers continue to face financial and competitive challenges in their regional markets, along with the added costs and responsibilities related to their function as academic institutions. The demand for health care services and the cost of providing them continue to increase significantly. In addition to the rising costs of salaries, benefits and medical supplies faced by hospitals across the state, along with the costs of maintaining and upgrading facilities, the University's medical centers also face additional costs associated with seismic retrofitting, new technologies, biomedical research, the education and training of health care professionals and the care for a disproportionate share of the medically underserved in California. Other than Medicare and Medi-Cal (California's Medicaid program), health insurance payments do not recognize the added cost of teaching in their payment to academic medical centers. The growth in costs of the publicly funded programs and health care reform will likely continue to reduce rates or limit payment growth, placing downward pressure on operating results for the medical centers.

The University must have a balanced array of many categories of facilities to meet its education, research and public service goals and continues to assess its long-term capital requirements. Support for the University's capital program is expected to be provided from a combination of sources, including the state of California, external financing, gifts and other sources.

Additional information concerning state budget matters and the state's financial condition may be found on the website of the California Department of Finance at www.dof.ca.gov.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

Certain information provided by the University, including written as outlined above or oral statements made by its representatives, may contain forward-looking statements as defined in the Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical facts, which address activities, events or developments that the University expects or anticipates will or may occur in the future contain forward-looking information.

In reviewing such information, it should be kept in mind that actual results may differ materially from those projected or suggested in such forward-looking information. This forward-looking information is based upon various factors and was derived using various assumptions. The University does not undertake to update forward-looking information contained in this report or elsewhere to reflect actual results, changes in assumptions or changes in other factors affecting such forward-looking information.

UNIVERSITY OF CALIFORNIA
STATEMENTS OF NET POSITION

At June 30, 2020 and 2019 (in thousands of dollars)	UNIVERSITY OF CALIFORNIA		CAMPUS FOUNDATIONS	
	2020	2019	2020	2019
ASSETS				
Cash and cash equivalents	\$355,748	\$143,127	\$357,849	\$458,594
Short-term investments	8,392,586	4,923,749	823,718	875,652
Investment of cash collateral	350,610	839,994	37,995	32,733
Investments held by trustees	424,627	914,176		
Accounts receivable, net	5,491,637	5,406,680	102,426	37,496
Pledges receivable, net	29,581	28,039	194,541	201,299
Current portion of notes and mortgages receivable, net	63,855	66,357		
Inventories	340,359	266,839		
Department of Energy receivable	174,578	155,027		
Other current assets	420,703	401,781	14,124	3,959
Current assets	16,044,284	13,145,769	1,530,653	1,609,733
Investments	22,271,205	23,783,632	9,933,876	9,102,737
Investment of cash collateral	36,722	114,946	3,979	3,651
Investments held by trustees	287,360	331,772		
Pledges receivable, net	45,378	30,036	647,626	686,693
Notes and mortgages receivable, net	357,447	379,981	250	250
Department of Energy receivable	1,720,129	1,579,117		
Capital assets, net	36,543,172	34,229,473		
Other noncurrent assets	301,264	282,762	105,992	115,047
Noncurrent assets	61,562,677	60,731,719	10,691,723	9,908,378
Total assets	77,606,961	73,877,488	12,222,376	11,518,111
DEFERRED OUTFLOWS OF RESOURCES	14,622,134	10,701,222		
LIABILITIES				
Accounts payable	2,738,260	3,236,356	28,624	15,441
Accrued salaries	1,530,351	1,260,368		
Employee benefits	752,354	574,856		
Unearned revenue	1,665,429	1,505,912	35,386	6,265
Collateral held for securities lending	387,337	954,668	41,974	36,384
Commercial paper	1,327,000	574,483		
Current portion of long-term debt	1,996,183	1,696,499		
Funds held for others	456,815	433,213	295,012	314,910
Department of Energy laboratories' liabilities	158,123	137,481		
Other current liabilities	3,039,515	2,017,093	84,179	46,404
Current liabilities	14,051,367	12,390,929	485,175	419,404
Federal refundable loans	220,379	248,645		
Self-insurance	778,778	715,417		
Obligations under life income agreements	37,606	35,118	146,119	150,069
Long-term debt	23,329,565	22,313,160		
Net pension liability	21,779,120	18,117,941		
Net retiree health benefits liability	23,852,872	19,861,686		
Other noncurrent liabilities	1,044,538	738,640	289,252	278,076
Noncurrent liabilities	71,042,858	62,030,607	435,371	428,145
Total liabilities	85,094,225	74,421,536	920,546	847,549
DEFERRED INFLOWS OF RESOURCES	7,251,375	6,828,085	212,519	228,675
NET POSITION				
Net investment in capital assets	14,443,373	14,284,354		
Restricted:				
Nonexpendable: endowments and gifts	1,216,561	1,176,981	5,326,577	4,885,413
Nonexpendable: reserved for minority interests	47,093	47,770		
Expendable	8,769,641	8,211,427	5,105,784	5,017,760
Unrestricted	(24,593,173)	(20,391,443)	656,950	538,714
Total net position	(\$116,505)	\$3,329,089	\$11,089,311	\$10,441,887

See accompanying Notes to Financial Statements.

UNIVERSITY OF CALIFORNIA

STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET POSITION

	UNIVERSITY OF CALIFORNIA		CAMPUS FOUNDATIONS	
<i>Years ended June 30, 2020 and 2019 (in thousands of dollars)</i>	2020	2019	2020	2019
OPERATING REVENUES				
Student tuition and fees, net	\$5,298,018	\$5,170,171		
Grants and contracts, net:				
Federal	3,707,625	3,528,753		
State	574,662	548,975		
Private	1,608,449	1,539,487		
Local	358,187	359,352		
Medical centers, net	14,169,528	13,208,083		
Educational activities, net	4,228,866	4,009,029		
Auxiliary enterprises, net	1,415,158	1,716,776		
Department of Energy laboratories	1,083,215	1,577,244		
Campus foundation private gifts			\$1,301,479	\$918,363
Other operating revenues, net	1,046,127	937,427	1,860	967
Total operating revenues	33,489,835	32,595,297	1,303,339	919,330
OPERATING EXPENSES				
Salaries and wages	18,426,861	16,984,570		
Pension benefits	5,355,166	4,340,355		
Retiree health benefits	1,692,273	1,292,332		
Other employee benefits	3,592,961	3,288,909		
Supplies and materials	4,218,056	4,057,105		
Depreciation and amortization	2,184,431	2,100,228		
Department of Energy laboratories	1,075,559	1,569,702		
Scholarships and fellowships	1,039,128	850,390		
Utilities	318,494	336,232		
Campus foundation grants			1,292,075	1,134,265
Other operating expenses	5,502,477	5,283,590	37,874	35,948
Total operating expenses	43,405,406	40,103,413	1,329,949	1,170,213
Operating loss	(9,915,571)	(7,508,116)	(26,610)	(250,883)
NONOPERATING REVENUES (EXPENSES)				
State educational appropriations	3,686,105	3,508,102		
State hospital fee grants	22,838	33,609		
Direct government grants	683,593			
Build America Bonds federal interest subsidies	54,413	53,071		
Federal Pell Grants	443,282	437,828		
Private gifts, net	1,516,475	1,441,330		
Investment income:				
Short Term Investment Pool and other, net	310,997	339,661		
Endowment, net	67,564	93,608		
Securities lending, net	6,749	8,459	720	385
Campus foundations			50,521	71,123
Net appreciation in fair value of investments	406,198	1,386,797	179,718	360,862
Interest expense	(921,796)	(767,358)		(27)
Gain (loss) on disposal of capital assets	(49,051)	(16,258)		
Other nonoperating revenues (expenses)	(40,860)	(55,486)	250	(1,316)
Net nonoperating revenues	6,186,507	6,463,363	231,209	431,027
Income (loss) before other changes in net position	(3,729,064)	(1,044,753)	204,599	180,144
OTHER CHANGES IN NET POSITION				
Capital gifts and grants, net	251,616	195,348		
State capital appropriations	(654)			
Permanent endowments	32,508	23,065	442,825	458,351
Increase (decrease) in net position	(3,445,594)	(826,340)	647,424	638,495
NET POSITION				
Beginning of year	3,329,089	4,155,429	10,441,887	9,803,392
End of year	(\$116,505)	\$3,329,089	\$11,089,311	\$10,441,887

See accompanying Notes to Financial Statements.

UNIVERSITY OF CALIFORNIA
STATEMENTS OF CASH FLOWS

	UNIVERSITY OF CALIFORNIA		CAMPUS FOUNDATIONS	
	2020	2019	2020	2019
<i>Years ended June 30, 2020 and 2019 (in thousands of dollars)</i>				
CASH FLOWS FROM OPERATING ACTIVITIES				
Student tuition and fees	\$5,270,855	\$5,153,207		
Grants and contracts	6,476,724	6,010,358		
Medical centers	15,171,805	13,032,546		
Educational activities	4,238,236	3,903,724		
Auxiliary enterprises	1,364,911	1,724,883		
Collection of loans from students and employees	80,918	79,437		
Campus foundation private gifts			\$1,119,021	\$914,380
Payments to employees	(17,970,142)	(16,245,812)		
Payments to suppliers and utilities	(9,705,064)	(9,034,484)		
Payments for pension benefits	(2,706,842)	(2,191,594)		
Payments for retiree health benefits	(389,358)	(377,826)		
Payments for other employee benefits	(3,538,064)	(3,197,524)		
Payments for scholarships and fellowships	(1,039,270)	(850,235)		
Loans issued to students and employees	(52,543)	(68,465)		
Payments to campuses and beneficiaries			(1,306,297)	(1,184,480)
Other receipts	588,855	299,829	39,033	30,586
Net cash used by operating activities	(2,208,979)	(1,761,956)	(148,243)	(239,514)
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES				
State educational appropriations	3,698,936	3,508,973		
Federal Pell Grants	438,587	437,934		
Government direct grants	643,679			
State hospital fee grants	22,838	33,609		
Gifts received for other than capital purposes:				
Private gifts for endowment purposes	36,618	20,023	332,194	386,618
Other private gifts	1,443,400	1,307,172		
Receipt of retiree health contributions from UCRP	82,122	88,434		
Payment of retiree health contributions to UCRHBT	(75,263)	(81,722)		
Receipts from UCRHBT	397,551	399,047		
Payments for retiree health benefits made on behalf of UCRHBT	(378,902)	(438,586)		
Student direct lending receipts	552,575	555,283		
Student direct lending payments	(552,409)	(555,180)		
Proceeds from debt issuance		500,000		
Repayment of debt	(286,515)			
Commercial paper financing:				
Proceeds from issuance	25,987	33,761		
Payments of principal	(14,411)	(16,780)		
Interest paid on debt	(35,693)	(29,737)		
Other receipts	5,061	8,902	12,770	9,241
Net cash provided by noncapital financing activities	6,004,161	5,771,133	344,964	395,859
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES				
<i>Commercial paper financing:</i>				
Proceeds from issuance	854,028	193,506		
Payments of principal	(113,087)	(417,808)		
Interest paid	(8,920)	(9,559)		
State capital appropriations	(2,298)	4,165		
Build America bonds federal interest subsidies	51,615	46,586		
Capital gifts and grants	139,795	150,394		
Proceeds from debt issuance	2,117,539	436,994		
Proceeds from the sale of capital assets	31,230	37,151		
Purchase of capital assets	(3,896,294)	(3,615,979)		
Refinancing or prepayment of outstanding debt	(149,073)			
Scheduled principal paid on debt and capital leases	(485,776)	(430,238)		
Interest paid on debt and capital leases	(933,246)	(901,107)		
Net cash used by capital and related financing activities	(2,394,487)	(4,505,895)		

See accompanying Notes to Financial Statements.

UNIVERSITY OF CALIFORNIA
STATEMENTS OF CASH FLOWS *continued*

	UNIVERSITY OF CALIFORNIA		CAMPUS FOUNDATIONS	
	2020	2019	2020	2019
<i>Years ended June 30, 2020 and 2019 (in thousands of dollars)</i>				
CASH FLOWS FROM INVESTING ACTIVITIES				
Proceeds from sales and maturities of investments	\$235,251,055	\$75,381,612	\$1,983,478	\$1,455,483
Purchase of investments	(236,850,247)	(75,445,081)	(2,329,658)	(1,672,071)
Investment income, net of investment expenses	411,118	453,791	48,714	71,460
Net cash provided (used) by investing activities	(1,188,074)	390,322	(297,466)	(145,128)
Net increase (decrease) in cash and cash equivalents	212,621	(106,396)	(100,745)	11,217
Cash and cash equivalents, beginning of year	143,127	249,523	458,594	447,377
Cash and cash equivalents, end of year	\$355,748	\$143,127	\$357,849	\$458,594
RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH USED BY OPERATING ACTIVITIES				
Operating income (loss)	(\$9,915,571)	(\$7,508,116)	(\$26,801)	(\$250,883)
<i>Adjustments to reconcile operating loss to net cash used by operating activities:</i>				
Depreciation and amortization expense	2,184,431	2,100,228		
Noncash gifts			(217,337)	(112,580)
Allowance for uncollectible accounts	262,748	252,838	5,441	856
Loss on impairment of capital assets	12,483	4,056		
<i>Change in assets and liabilities:</i>				
Investments held by trustees	(11,739)	(17,062)	(5,467)	(3,287)
Accounts receivable	(566,012)	(587,066)	(547)	2,401
Pledges receivable			39,230	113,671
Inventories	(73,520)	(22,132)		
Other assets	(75,856)	(143,490)	30,547	2,802
Accounts payable	16,716	126,473	10,303	790
Accrued salaries	269,983	617,615		
Employee benefits	175,531	174,466		
Unearned revenue	161,815	80,162	30,774	(761)
Department of Energy	(117,631)	(594,755)		
Self-insurance	94,475	127,478		
Obligations under life income agreements			(4,812)	(4,899)
Net pension liability	3,060,600	2,665,176		
Net retiree health benefits liability	1,273,462	857,147		
Other liabilities	1,039,106	105,026	(9,574)	12,376
Net cash used by operating activities	(\$2,208,979)	(\$1,761,956)	(\$148,243)	(\$239,514)
SUPPLEMENTAL NONCASH ACTIVITIES INFORMATION				
Capital assets acquired through capital leases	\$47,978	\$16,328		
Capital assets acquired with a liability at year end	218,707	105,603		
Change in fair value of interest rate swaps classified as hedging derivatives	(129,783)	(75,322)		
Gifts of capital assets	111,776	46,971	\$9,500	
Other noncash gifts	52,564	130,100	309,638	\$172,898
Proceeds from issuance of blended component unit revenue bonds deposited with trustees	175,065	717,135		
Beneficial interests in irrevocable split interest agreements administered by third parties	6,851	(15,348)	3,594	16,887
Noncash gifts for University-administered irrevocable split-interest agreements			4,250	14,120
Other borrowings from conversion of interest rate swap to hedging derivative	6,468			

See accompanying Notes to Financial Statements.

UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM AND RETIREE HEALTH BENEFIT TRUST
STATEMENTS OF PLANS' AND TRUST'S FIDUCIARY NET POSITION

	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM (UCRS)		UNIVERSITY OF CALIFORNIA RETIREE HEALTH BENEFIT TRUST (UCRHBT)		TOTAL UCRS AND UCRHBT	
<i>At June 30, 2020 and 2019 (in thousands of dollars)</i>	2020	2019	2020	2019	2020	2019
ASSETS						
Investments	\$97,278,282	\$95,456,703	\$141,872	\$136,248	\$97,420,154	\$95,592,951
Participants' interests in mutual funds	1,828,837	1,691,773			1,828,837	1,691,773
Investment of cash collateral	7,588,680	6,128,526			7,588,680	6,128,526
Participant 403(b) loans	194,829	193,766			194,829	193,766
Accounts receivable:						
Contributions from University and affiliates	175,645	168,208	34,989	30,737	210,634	198,945
Investment income	60,831	83,927			60,831	83,927
Security sales and other	2,396,198	1,043,318	48	318	2,396,246	1,043,636
Prepaid insurance premiums			2,115	8,565	2,115	8,565
Total assets	109,523,302	104,766,221	179,024	175,868	109,702,326	104,942,089
LIABILITIES						
Payable to University			22,206	18,959	22,206	18,959
Payable for securities purchased	2,986,676	2,132,979			2,986,676	2,132,979
Member withdrawals, refunds and other payables	702,930	383,595			702,930	383,595
Collateral held for securities lending	7,588,760	6,126,849			7,588,760	6,126,849
Total liabilities	11,278,366	8,643,423	22,206	18,959	11,300,572	8,662,382
NET POSITION HELD IN TRUST						
Members' defined benefit plan benefits	70,977,922	70,343,741			70,977,922	70,343,741
Participants' defined contribution plan benefits	27,267,014	25,779,057			27,267,014	25,779,057
Retiree health benefits			156,818	156,909	156,818	156,909
Total net position held in trust	\$98,244,936	\$96,122,798	\$156,818	\$156,909	\$98,401,754	\$96,279,707

See accompanying Notes to Financial Statements.

UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM AND RETIREE HEALTH BENEFIT TRUST
STATEMENTS OF CHANGES IN PLANS' AND TRUST'S FIDUCIARY NET POSITION

	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM (UCRS)		UNIVERSITY OF CALIFORNIA RETIREE HEALTH BENEFIT TRUST (UCRHBT)		TOTAL UCRS AND UCRHBT	
<i>At June 30, 2020 and 2019 (in thousands of dollars)</i>	2020	2019	2020	2019	2020	2019
ADDITIONS						
<i>Contributions:</i>						
Members and employees	\$2,577,692	\$2,349,879			\$2,577,692	\$2,349,879
University	2,529,426	2,465,178	\$340,726	\$333,107	2,870,152	2,798,285
Total contributions	5,107,118	4,815,057	340,726	333,107	5,447,844	5,148,164
<i>Investment income (expense), net:</i>						
Net appreciation in fair value of investments	978,372	3,701,585			978,372	3,701,585
Interest, dividends and other investment income	1,547,478	1,671,203	2,281	3,195	1,549,759	1,674,398
Securities lending income	133,203	212,596			133,203	212,596
Securities lending fees and rebates	(91,549)	(160,185)			(91,549)	(160,185)
Total investment income, net	2,567,504	5,425,199	2,281	3,195	2,569,785	5,428,394
Interest income from contributions receivable	414	796			414	796
Total additions	7,675,036	10,241,052	343,007	336,302	8,018,043	10,577,354
DEDUCTIONS						
<i>Benefit payments:</i>						
Retirement payments	2,833,231	2,664,031			2,833,231	2,664,031
Member withdrawals	148,579	144,384			148,579	144,384
Cost-of-living adjustments	602,156	560,546			602,156	560,546
Lump sum cashouts	271,506	362,545			271,506	362,545
Preretirement survivor payments	55,247	51,011			55,247	51,011
Disability payments	30,181	30,102			30,181	30,102
Death payments	8,240	8,028			8,240	8,028
Participant withdrawals	1,531,954	1,454,549			1,531,954	1,454,549
Total benefit payments	5,481,094	5,275,196			5,481,094	5,275,196
<i>Insurance premiums:</i>						
Insured plans			118,056	112,997	118,056	112,997
Self-insured plans			201,790	184,114	201,790	184,114
Medicare Part B reimbursements			18,721	11,563	18,721	11,563
Total insurance premiums, net			338,567	308,674	338,567	308,674
<i>Other deductions:</i>						
Plan administration	65,039	54,833	4,531	4,300	69,570	59,133
Other	6,765	13,167			6,765	13,167
Total other deductions	71,804	68,000	4,531	4,300	76,335	72,300
Total deductions	5,552,898	5,343,196	343,098	312,974	5,895,996	5,656,170
Change in net position held in trust	2,122,138	4,897,856	(91)	23,328	2,122,047	4,921,184
NET POSITION HELD IN TRUST						
Beginning of year	96,122,798	91,224,942	156,909	133,581	96,279,707	91,358,523
End of year	\$98,244,936	\$96,122,798	\$156,818	\$156,909	\$98,401,754	\$96,279,707

See accompanying Notes to Financial Statements.

Notes to Financial Statements

Years ended June 30, 2020 and 2019

ORGANIZATION

The University of California (the University) was founded in 1868 as a public, state-supported institution. The California State Constitution provides that the University shall be a public trust administered by the corporation, "The Regents of the University of California," which is vested with full powers of organization and government, subject only to such legislative control necessary to ensure the security of its funds and compliance with certain statutory and administrative requirements. The majority of the 26-member independent governing board (The Regents) is appointed by the governor and approved by the state Senate. Various University programs and capital outlay projects are funded through appropriations from the state's annual Budget Act. The University's financial statements are discretely presented in the state's basic financial statements as a component unit.

FINANCIAL REPORTING ENTITY AND SIGNIFICANT ACCOUNTING POLICIES

Financial Reporting Entity

The University's financial statements include the accounts of ten campuses, five medical centers, a statewide agricultural extension program and the operations of most student government or associated student organizations as part of the primary financial reporting entity because The Regents has certain oversight responsibilities for these organizations. Organizations that are not significant or for which the University is not financially accountable, such as booster and alumni organizations, are not included in the reporting entity. However, cash invested with the University by these organizations, along with the related liability, is included in the statement of net position. The statement of revenues, expenses and changes in net position excludes the activities associated with these organizations.

Fiat Lux Risk and Insurance Company (Fiat Lux), the University's wholly owned captive insurance company, is a blended component unit of the University. The Regents is the sole corporate and voting member of Children's Hospital & Research Center Oakland (CHRCO), a private, not-for-profit 501(c)(3) corporation. Children's Hospital & Research Center Foundation, a not-for-profit public benefit corporation, is organized and operated for the purpose of supporting CHRCO. CHRCO, combined with its foundation, is a blended component unit of the University. In addition, the financial position and operating results of certain other legally separate organizations are included in the University's financial reporting entity on a blended basis if The Regents is determined to be financially accountable for the organization. These include legally separate organizations that provide research and housing services entirely, or almost entirely, to the University or otherwise exclusively, or almost exclusively, to benefit the University.

The University has eleven legally separate, tax-exempt, affiliated campus foundations, one for each campus and the Lawrence Berkeley National Laboratory (LBNL). The economic resources received or held by the foundations are entirely for the benefit of the campuses. Because of the nature and significance of their relationship with the University, including their ongoing financial support, the campus foundations are reported under the Governmental Accounting Standards Board (GASB) requirements as discretely presented component units of the University.

Specific assets and liabilities and all revenues and expenses associated with the LBNL, a major United States Department of Energy (DOE) national laboratory operated and managed by the University under contract directly with the DOE, are included in the accompanying financial statements.

The Regents has fiduciary responsibility for the University of California Retirement System (UCRS) which includes two defined benefit plans, the University of California Retirement Plan (UCRP) and the University of California Voluntary Early Retirement Incentive Plan (UC-VERIP), and four defined contribution plans in the University of California Retirement Savings Program (UCRSP), consisting of the Defined Contribution Plan (DC Plan), the Supplemental Defined Contribution Plan (SDC Plan), the Tax-Deferred 403(b) Plan (403(b) Plan) and the 457(b) Deferred Compensation Plan (457(b) Plan). As a result, the UCRS statements of plans' fiduciary net position and changes in plans' fiduciary net position are shown as a fiduciary fund in the University's financial statements.

The Regents also has fiduciary responsibility for the University of California Retiree Health Benefit Trust (UCRHBT). As a result, UCRHBT's statements of trust's fiduciary net position and changes in trust's fiduciary net position are shown as a fiduciary fund in the University's financial statements. UCRHBT allows certain University locations and affiliates, primarily campuses and medical centers that share the risks, rewards and costs of providing for retiree health benefits, the opportunity to fund such benefits on a cost-sharing basis and to accumulate funds on a tax-exempt basis under an arrangement segregated from University assets. The Regents serves as Trustee of UCRHBT and has the authority to amend or terminate the trust.

Significant Accounting Policies

The financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America, using the economic resources measurement focus and the accrual basis of accounting. The University follows accounting principles issued by the GASB.

In June 2018, the GASB issued Statement No. 89, *Accounting for Interest Cost Incurred before the End of a Construction Period*. The Statement requires that interest cost incurred before the end of a construction period be recognized as an expense in the period in which the cost is incurred. As a result, interest costs would no longer be capitalized as part of the asset's historical cost upon implementation of this new standard. The University implemented this standard as of July 1, 2019.

In August 2018, the GASB issued Statement No. 90, *Majority Equity Interests — An Amendment of GASB Statements No. 14 and No. 61* and this change was implemented as of July 1, 2019. The Statement defines a majority equity interest in a legally separate organization and clarifies the accounting and financial reporting for majority equity interests, classified as either investments or component units, in the financial statements. Implementation of Statement No. 90 had no impact on the financial statements.

In March 2020, the GASB issued Statement No. 93, *Replacement of Interbank Offered Rates*, and this standard was implemented by the University as of July 1, 2018. The Statement establishes reporting requirements related to the replacement of Interbank Offered Rates. Under this standard, the University is permitted to continued hedge accounting for interest rate swaps when the terms of the swaps are modified to replace the London Interbank Offered Rate (LIBOR) as the reference rate as long as certain criteria are met. Implementation of Statement No. 93 had no impact on the 2019 financial statements.

The significant accounting policies of the University are as follows:

Cash and cash equivalents. The University and campus foundations consider all balances in demand deposit accounts to be cash. The University classifies all other highly liquid cash equivalents with original maturities less than one year as short-term investments. Certain campus foundations classify their deposits in the University's Short Term Investment Pool as a cash equivalent.

Investments. Investments are measured and reported at fair value. Securities are generally valued at the last sale price on the last business day of the fiscal year, as quoted on a recognized exchange or by utilizing an industry standard pricing service, when available. Securities for which no sale was reported as of the close of the last business day of the fiscal year are valued at the quoted bid price of a dealer who regularly trades in the security being valued. Investment in nonexchange traded debt and equity investments are valued using inputs provided by independent pricing services or by brokers/dealers who actively trade in these markets. Certain securities may be valued on a basis of a price provided by a single source.

Investments also include private equities, absolute return funds, real estate, real asset and certain corporate asset-backed securities. Private equities include venture capital partnerships, buyouts, real assets and international funds. Fair values for interests in private equity, absolute return partnerships and real estate partnerships are based on valuations provided by the general partners of the respective partnerships. The valuations are primarily based on the most recent net asset value (NAV) of the underlying investments. The NAV is reported by the external investment managers, including general partners, in accordance with their policies as described in their respective financial statements and offering memoranda. The most recent NAV is adjusted for capital calls, distributions and significant known valuation changes, if any, of its related portfolio through June 30, 2020 and 2019.

Interests in certain direct investments in real estate are estimated based upon independent appraisals. Because the private equity, real estate, real assets and absolute return partnerships, along with direct investments in real estate, are not readily marketable, their estimated value is subject to uncertainty and, therefore, may differ significantly from the value that would be used had a ready market for such investments existed. These investments are generally less liquid than other investments, and the value reported may differ from the values that would have been reported had a ready market for these investments existed.

For other investments, the University considers various factors to estimate fair value, such as the timing of the transaction, the market in which the company operates, comparable transactions, company performance and projections as well as discounted cash flow analysis. The selection of an appropriate technique may be affected by the availability and general reliability of relevant inputs. In some cases, one valuation technique may provide the best indication of fair value while in other circumstances, multiple valuation techniques may be appropriate. Furthermore, the University may review the investment's underlying portfolio as well as engage external appraisers, depending on the nature of the investment.

The University exercises due diligence in assessing the external managers' use of and adherence to fair value principles. In conjunction with these procedures, estimated fair value is determined by consideration of a wide range of factors, including market conditions, redemption terms and restrictions and risks inherent to the inputs of the external investment managers' valuation. In situations where the information provided by the external manager is deemed to not be representative of the fair value as of the measurement date, management evaluates specific features of the investment and utilizes supplemental fair value information provided by the external manager along with any relevant market data to measure the investment's fair value.

Investments in registered investment companies are valued based upon the reported NAV of those companies. Mortgage loans, held as investments, are valued on the basis of their future principal and interest payments, and are discounted at prevailing interest rates for similar instruments. Insurance contracts are valued at contract value, plus reinvested interest, which approximates fair value.

Investments denominated in foreign currencies are translated into U.S. dollar equivalents using year-end spot foreign currency exchange rates. Purchases and sales of investments and their related income are translated at the rate of exchange on the respective transaction dates. Realized and unrealized gains and losses resulting from foreign currency changes are included in the University's statement of revenues, expenses and changes in net position.

Investment transactions are recorded on the date the securities are purchased or sold (trade date). Realized gains or losses are recorded as the difference between the proceeds from the sale and the average cost of the investment sold. Dividend income is recorded on the ex-dividend date and interest income is accrued as earned. Gifts of securities are recorded based on fair value at the date of donation.

Campus foundations may invest all or a portion of their investments in University-managed investment pools. Certain securities in these investment pools are included in the University's security lending program. Accordingly, the campus foundations' investments in University-managed investment pools and their allocated share of the securities lending activities have been excluded from the University's financial statements and included in the Campus Foundations' column.

Derivative financial instruments. Derivative instruments are recorded at fair value. Futures contracts, foreign currency exchange contracts, stock rights and warrants, options and swaptions are valued at the settlement price on the last day of the fiscal year, as quoted on a recognized exchange or by utilizing an industry standard pricing service, when available. Financial institutions or independent advisors have estimated the fair value of the interest rate swaps and total return swaps using quoted market prices when available or discounted expected future net cash flows.

The University has entered into interest rate swap agreements to limit the exposure of its variable-rate debt to changes in market interest rates. Interest rate swap agreements involve the exchange with a counterparty of fixed- and variable-rate interest payments periodically over the life of the agreement without exchange of the underlying notional principal amounts. The net differential to be paid or received is recognized over the life of the agreements as an adjustment to interest expense. The University's counterparties are major financial institutions.

Derivatives are recorded at estimated fair value as either assets or liabilities in the statement of net position. Certain derivatives are determined to be hedging derivatives and designated as either a fair value or cash flow hedge. Under hedge accounting, changes in the fair value of hedging derivatives are considered to be deferred inflows (for hedging derivatives with positive fair values) or deferred outflows (for hedging derivatives with negative fair values).

Changes in the fair value of derivatives that are not hedging derivatives are recorded as net appreciation or depreciation of investments in the statement of revenues, expenses and changes in net position.

Participants' interests in mutual funds. Participants in the University's defined contribution retirement plans may invest their account balances in funds managed by the University's Chief Investment Officer or in certain mutual funds.

Accounts receivable, net. Accounts receivable, net of allowance for uncollectible amounts, include reimbursements due from state and federal sponsors of externally funded research, patient billings, accrued income on investments and other receivables. Other receivables include local government and private grants and contracts, educational activities and amounts due from students, employees and faculty.

Pledges receivable, net. Unconditional pledges of private gifts to the University or campus foundations, net of allowance for uncollectible amounts, are recorded as pledges receivable and revenue in the year promised at the net present value of expected cash flows. Conditional pledges, including all pledges of endowments and intentions to pledge, are recognized as receivables and revenues when the specified conditions are met.

Beneficial interests in irrevocable split-interest agreements. The beneficial interests in irrevocable split-interest agreements represent the University's and the campus foundations' right to the portion of the benefits from the irrevocable split-interest agreements that are administered by third parties and are recognized as assets and deferred inflows of resources. These are measured at fair value and are reported as other noncurrent assets in the statement of net position. Changes in the fair value of the beneficial interest assets are recognized as an increase or decrease in the related deferred inflows of resources. At the termination of the agreement, net assets received from the beneficial interests are recognized as revenues.

Notes and mortgages receivable, net. Loans to students, net of allowance for uncollectible amounts, are provided from federal student loan programs and from other University sources. Home mortgage loans, primarily to faculty, are provided from the University's Short Term Investment Pool and from other University sources. Mortgage loans provided by the Short Term Investment Pool are classified as investments and loans provided by other sources are classified as mortgages receivable in the statements of net position.

Inventories. Inventories for the campuses, consisting primarily of supplies and merchandise for resale, are valued at cost, typically determined under the weighted average method, which is not in excess of estimated net realizable value. Inventories for the medical centers consist primarily of pharmaceuticals and medical supplies which are stated on a first-in, first-out basis at the lower of cost or market.

DOE national laboratories. The University operates and manages LBNL under a contract directly with the DOE. Specific assets and liabilities and all revenues and expenses associated with LBNL are included in the financial statements. Other assets, such as cash, property and equipment and other liabilities of LBNL are owned by the United States government rather than the University and, therefore, are not included in the statement of net position. The statement of cash flows excludes the cash flows associated with LBNL other than reimbursements, primarily related to pension and health benefits, since all other cash transactions are recorded in bank accounts owned by the DOE.

The University is a member in three separate joint ventures that operate and manage two other DOE laboratories under contracts directly with the DOE. Lawrence Livermore National Security, LLC (LLNS) operates and manages Lawrence Livermore National Laboratory (LLNL). Triad National Security, LLC (Triad) commenced operating and managing Los Alamos National Laboratory (LANL) effective November 1, 2018. Prior to November 1, 2018, LANL was managed by Los Alamos National Security, LLC (LANS).

The University's investments in Triad, LLNS and LANS are accounted for using the equity method. Accordingly, the University's statement of net position includes its equity interest in Triad, LANS and LLNS, adjusted for the equity in undistributed earnings or losses and the statement of revenues, expenses and changes in net position includes its equity in the current earnings or losses of LANS and LLNS.

The DOE is financially responsible for substantially all of the current and future costs incurred at any of the national laboratories, including pension and retiree health benefit costs. Accordingly, to the extent there is a liability on the University's statement of net position for pension or retiree health obligations related to these laboratories, the University records a receivable from the DOE.

Capital assets, net. Land, infrastructure, buildings and improvements, intangible assets, equipment, libraries, collections and special collections are recorded at cost at the date of acquisition, or estimated acquisition value at the date of donation in the case of gifts. Estimates of acquisition value involve assumptions and estimation methods that are uncertain and, therefore, the estimates could differ from actual value. Intangible assets include easements, land rights, trademarks, patents and other similar arrangements. Capital leases are recorded at the estimated present value of future minimum lease payments. Significant additions, replacements, major repairs and renovations to infrastructure and buildings are generally capitalized if the cost exceeds \$35,000 and if they have a useful life of more than one year. Minor renovations are charged to operations. Equipment with a cost in excess of \$5,000 and a useful life of more than one year is capitalized. Incremental costs, including salaries and employee benefits, directly related to the acquisition, development and installation of major software projects are included in the cost of the capital assets. All costs of land, library collections and special collections are capitalized.

Depreciation is calculated using the straight-line method over the estimated economic life of the asset. Equipment under capital leases is amortized over the estimated useful life of the equipment. Leasehold improvements are amortized using the straight-line method over the shorter of the life of the applicable lease or the economic life of the asset.

Estimated economic lives are generally as follows:

	YEARS
Infrastructure	25
Buildings and improvements	15-33
Equipment	2-20
Computer software	3-7
Intangible assets	2-indefinite
Library books and collections	15

Capital assets acquired through federal grants and contracts where the federal government retains a reversionary interest are also capitalized and depreciated.

Inexhaustible capital assets, such as land or special collections that are protected, preserved and held for public exhibition, education or research, including art, museum, scientific and rare book collections are not depreciated.

Prior to implementing GASB Statement No. 89, interest on borrowings to finance facilities was capitalized during construction, net of any investment income earned on tax-exempt borrowings during the temporary investment of project-related borrowings.

Service concession arrangements. The University has entered into service concession arrangements with third parties for parking, student housing and certain other faculty and student services. Under these arrangements, the University enters into ground leases with third parties at minimal or no cost, and gives the third party the right to construct, operate and maintain a facility, primarily for the benefit of students and faculty at competitive rates. Rate increases for use of the facilities are subject to certain constraints and ownership of the facilities reverts to the University upon expiration of the ground lease. The facilities are reported as capital assets by the University when placed in service, and a corresponding deferred inflow of resources is reported. The University has not provided guarantees on financing obtained by the third parties under these arrangements.

Unearned revenue. Unearned revenue primarily includes amounts received from grant and contract sponsors that have not been earned under the terms of the agreement and other revenue billed in advance of the event, such as student tuition and fees for housing and dining services.

Funds held for others. Funds held for others result from the University or the campus foundations acting as an agent, or fiduciary, on behalf of organizations that are not significant or financially accountable to the University or campus foundations.

Federal refundable loans. Certain loans to students are administered by the University with funding primarily supported by the federal government. The University's statement of net position includes both the notes receivable and the related federal refundable loan liability representing federal capital contributions owed upon termination of the program.

Bond premium. The bond premium received in the issuance of long-term debt is amortized as a reduction to interest expense over the term of the related long-term debt.

Self-insurance programs. The University is self-insured or insured through Fiat Lux for medical malpractice, workers' compensation, employee health care and general liability claims. These risks are subject to various claim and aggregate limits, with excess liability coverage provided by an independent insurer. Liabilities are recorded when it is probable a loss has occurred and the amount of the loss can be reasonably estimated. These losses include an estimate for claims that have been incurred, but not reported. The estimated liabilities are based upon an independent actuarial determination of the present value of the anticipated future payments. Settlements did not exceed self-insured or supplementally insured coverage for any program in the past three fiscal years.

Obligations under life income agreements. Obligations under life income agreements represent trusts with living income beneficiaries where the University has a residual interest. The investments associated with these agreements are recorded at fair value. The discounted present value of the income beneficiary interest is reported as a liability in the statement of net position. Gifts subject to such agreements administered by the University are recorded as deferred inflows of resources, net of the income beneficiary share, at the date of the gift. The residual interest is reported in deferred inflows of resources in the statement of net position. At the termination of the agreement, the University's residual interest is recorded as gift revenue in the statement of revenues, expenses and changes in net position.

Pollution remediation obligations. Upon an obligating event, the University estimates the components of any expected pollution remediation costs and recoveries from third parties. The costs, estimated using the expected cash flow technique, are accrued as a liability. Pollution remediation liabilities generally involve groundwater, soil and sediment contamination at certain sites where state and other regulatory agencies have indicated that the University is among the responsible parties. The liabilities are reviewed annually and may increase or decrease the cost of recovery from third parties, if any, as a result of additional information that refines the estimates, or from payments made from revenue sources that support the activity. There were no expected recoveries at June 30, 2020 and 2019 reducing the pollution remediation liability.

Asset retirement obligations. Upon an obligating event, the University records the costs of any expected tangible capital asset retirement obligations using the best estimate of the current value of outlays expected to be incurred. The liabilities are reviewed annually and may change as a result of additional information that refines the estimates. Actual asset retirement obligation costs may vary from these estimates as a result of changes in assumptions such as asset retirement dates, regulatory requirements, technology and costs of labor, materials and equipment. The estimated remaining useful lives of these assets range from 2 to 28 years.

Deferred outflows of resources and deferred inflows of resources. Deferred outflows of resources and deferred inflows of resources represent a consumption and acquisition of net position that apply to a future period, respectively. The University classifies gains on refunding of debt, increases in the fair value of the hedging derivatives, payments received or to be received from service concession arrangements and changes in irrevocable split-interest agreements as deferred inflows of resources. The University classifies losses on refunding of debt, decreases in the fair value of hedging derivatives and certain asset retirement obligations as deferred outflows of resources. Gains or losses on refunding of debt are amortized as a component of interest expense over the remaining life of the old debt, or the new debt, whichever is shorter. Asset retirement obligations are recognized over the remaining useful life of the related asset. Revenues from split interest agreements are recognized when the resources become available to spend.

Changes in the net pension and net retiree health benefits liabilities not included in expense are reported as deferred outflows of resources or deferred inflows of resources. Employer contributions subsequent to the measurement date of the net pension and retiree health benefits liabilities are reported as deferred outflows of resources.

Net position. Net position is required to be classified for accounting and reporting purposes into the following categories:

Net investment in capital assets. This category includes all of the University's capital assets, net of accumulated depreciation, reduced by outstanding debt attributable to the acquisition, construction or improvement of those assets.

Restricted. The University and campus foundations classify the net position resulting from transactions with purpose or time restrictions as restricted net position until the specific resources are used for the required purpose or for as long as the provider requires the resources to remain intact.

Nonexpendable. The net position subject to externally imposed restrictions, which must be retained in perpetuity by the University or campus foundations, is classified as nonexpendable net position. This includes the University and campus foundation permanent endowment funds.

Also included in nonexpendable net position are minority interests, which include the net position of legally separate organizations attributable to other participants.

Expendable. The net position whose use by the University or campus foundations is subject to externally imposed restrictions that can be fulfilled by actions of the University or campus foundations pursuant to those restrictions or that expire by the passage of time is classified as expendable net position.

Unrestricted. The net position that is not subject to externally imposed restrictions governing its use is classified as unrestricted net position. The University's unrestricted net position may be designated for specific purposes by management or The Regents. The campus foundations' unrestricted net position may be designated for specific purposes by their Boards of Trustees. Substantially all of the University's unrestricted net position is allocated for academic and research initiatives or programs, for capital programs or for other purposes.

Restricted or unrestricted resources are spent based upon a variety of factors, including funding restrictions, consideration of prior and future revenue sources, the type of expense incurred, the University's budgetary policies surrounding the various revenue sources or whether the expense is a recurring cost. Unrestricted net position is negative due primarily to liabilities for pension and retiree health benefits exceeding University assets available to pay such obligations.

Revenues and expenses. Operating revenues of the University include receipts from student tuition and fees, grants and contracts for specific operating activities and sales and services from medical centers, educational activities and auxiliary enterprises. Operating expenses incurred in conducting the programs and services of the University are presented in the statement of revenues, expenses and changes in net position as operating activities. The University's equity in current earnings or losses of LANS and LLNS is also an operating transaction.

Certain significant revenues relied upon and budgeted for fundamental operational support of the core instructional mission of the University are mandated by the GASB to be recorded as nonoperating revenues, including state educational appropriations, certain federal grants for student financial aid, private gifts and investment income, since the GASB does not consider them to be related to the principal operating activities of the University.

Campus foundations are established to financially support the University. Private gifts to campus foundations are recognized as operating revenues since, in contrast to the University, such contributions are fundamental to the core mission of the campus foundations. Foundation grants to the University are recognized as operating expenses by the foundations. Private gift or capital gift revenues associated with campus foundation grants to the University are recorded by the University as gifts when the foundations transfer the gifts to the University.

Nonoperating revenues and expenses include state educational appropriations, state financing appropriations, state hospital fee grants, direct government grants from the Coronavirus Aid, Relief, and Economic Security Act (CARES) Act, Build America Bond federal interest subsidies, Federal Pell Grants, private gifts for other than capital purposes, investment income, net appreciation (or depreciation) in the fair value of investments, interest expense and the gain (loss) on the disposal of capital assets.

In 2020, the University received grants under certain provisions of the CARES Act, reported as nonoperating revenues, to minimize the impacts of lost revenues and increased expenses related to COVID-19. The campuses received grants under the Higher Education Emergency Relief Fund to provide emergency financial aid to students and to mitigate the impacts of lost revenue and additional technology expenses associated with moving to online education. The medical centers and the faculty practices received grants under the CARES Act Provider Relief Fund for lost revenues and health care related expenses related to operational changes to prepare for treating patients with COVID-19. The medical centers and the faculty practices recognized direct grants as nonoperating revenues based on estimates of lost revenues and increased expenses following the information contained in laws and regulations, as well as interpretations issued by the Department of Health and Human Services, governing the publicly available funding at June 30, 2020.

State capital appropriations, capital gifts and grants and gifts for permanent endowment purposes are classified as other changes in net position.

Student tuition and fees. Substantially all student tuition and fees provide for the current operations of the University. A small portion of the student fees, reported as capital gifts and grants, is required for debt service associated with student union and recreational centers.

The University recognizes scholarship allowances as the difference between the stated charge for tuition and fees, housing and dining charges, recreational center and other fees, and the amount that is paid by the student and third parties on behalf of the student. Payments of financial aid made directly to students are classified as scholarship and fellowship expenses.

Scholarship allowances are netted against student tuition and fees in the statement of revenues, expenses and changes in net position for the years ended June 30 as follows:

<i>(in thousands of dollars)</i>	2020	2019
Student tuition and fees	\$1,281,997	\$1,231,856
Auxiliary enterprises	190,969	232,157
Other operating revenues	19,965	17,225
Scholarship allowances	\$1,492,931	\$1,481,238

State appropriations. The state of California provides appropriations to the University on an annual basis. State educational appropriations are recognized as nonoperating revenue; however, the related expenses for educational, retirement or other specific operating purposes are reported as operating expenses. State appropriations for capital projects are recorded as revenue under other changes in net position when the related expenditures are incurred. Special state appropriations for AIDS, tobacco and breast cancer research are reported as grant operating revenue.

Grant and contract revenue. The University receives grant and contract revenue from governmental and private sources. The University recognizes revenue associated with the direct costs of sponsored programs as the related expenditures are incurred. Recovery of facilities and administrative costs of federally sponsored programs is at cost reimbursement rates negotiated with the University's federal cognizant agency, the U.S. Department of Health and Human Services. For the year ended June 30, 2020, the facilities and administrative cost recovery totaled \$1.2 billion, which consisted of \$862.0 million from federally sponsored programs and \$375.0 million from other sponsors. For the year ended June 30, 2019, the facilities and administrative cost recovery totaled \$1.2 billion, which consisted of \$829.0 million from federally sponsored programs and \$348.0 million from other sponsors.

Medical center revenue. Medical center revenue is reported at the estimated net realizable amounts from patients and third-party payors, including Medicare, Medi-Cal and others, for services rendered, as well as estimated retroactive adjustments under reimbursement agreements with third-party payors. Laws and regulations governing Medicare and Medi-Cal are complex and subject to interpretation. Retroactive adjustments are accrued on an estimated basis in the period the related services are rendered and adjusted in future periods as final settlements are determined. It is reasonably possible that estimated amounts accrued could change significantly based upon settlements, or as additional information becomes available.

Net pension liability. The University records net pension liability equal to the net pension liability for its defined benefit plans. The net pension liability is measured as the total pension liability, less the amount of the pension plans' fiduciary net positions. The fiduciary net position and changes in net position of the defined benefit plans have been measured consistent with the accounting policies used by the plans. The total pension liability is determined based upon discounting projected benefit payments based on the benefit terms and legal agreements existing at the pension plan's fiscal year end. Projected benefit payments are discounted using a single rate that reflects the expected rate of return on investments, to the extent that plan assets are available to pay benefits, and a tax-exempt, high-quality municipal bond rate when plan assets are not available.

Pension expense is recognized for benefits earned during the period, interest on the unfunded liability and changes in benefit terms. The differences between expected and actual experience and changes in assumptions about future economic or demographic factors are reported as deferred inflows or outflows and are recognized over the average expected remaining service period for employees eligible for pension benefits. The differences between expected and actual returns are reported as deferred inflows or outflows and are recognized over five years.

Both current employees and retirees at LBNL participate in UCRP. The University makes contributions to UCRP for LBNL employees based upon rates authorized by The Regents and is reimbursed by the DOE. The University also makes contributions to UCRP for LANL and LLNL retirees and terminated vested members, whose benefits were retained in UCRP at the time the joint ventures were formed. The University records a receivable for the net pension liability that is expected to be collected from the DOE. The University deposits funds in UCRP when the DOE makes payments for these contributions. The contributions from the DOE and deposits into UCRP on behalf of the DOE are included as DOE laboratory revenue in the statement of revenues, expenses and changes in net position.

Retiree health benefits and liability. The University's net retiree health benefits liability is measured as the total retiree health benefits liability, less the amount of the University of California Retiree Health Benefit Trust's (UCRHBT's) fiduciary net position. The fiduciary net position and changes in net position of UCRHBT have been measured consistent with the accounting policies used by the trust. The total retiree health benefits liability is determined based upon discounting projected benefit payments based on the benefit terms and legal agreements existing at the health benefit trust's fiscal year end. Projected benefit payments are discounted using a single rate that reflects the expected rate of return on investments, to the extent that plan assets are available to pay benefits, and a tax-exempt, high-quality municipal bond rate when plan assets are not available.

Expense for retiree health benefits is recognized for benefits earned during the period, interest on the unfunded liability and changes in benefit terms. The differences between expected and actual experience and changes in assumptions about future economic or demographic factors are reported as deferred inflows or outflows and are recognized over the average expected remaining service period for employees eligible for retiree health benefits. The differences between expected and actual returns are reported as deferred inflows or outflows and are recognized over five years.

LBNL participates in the University's retiree health plans. The net retiree health benefits liability for LBNL is determined independently from the University's campuses and medical centers. Retiree health benefits expense for LBNL is included with the DOE laboratory expense in the statement of revenues, expenses and changes in net position. The contributions from the DOE are included as DOE laboratory revenue in the statement of revenues, expenses and changes in net position.

The University records a receivable from the DOE for the DOE's portion of the University's net retiree health benefits liability attributable to LBNL. The University does not have any retiree health benefits liability for LANL or LLNL retiree health benefit costs since LANL and LLNL current or former employees do not participate in the University's retiree health plans.

Campus and medical center contributions toward retiree health costs made to UCRHBT, the University's LBNL-related payments made directly to health care insurers and administrators and the corresponding reimbursements from the DOE, are shown as operating activities in the statement of cash flows. Cash flows resulting from retiree health contributions from retirees are shown as noncapital financing activities in the statement of cash flows.

University of California Retiree Health Benefit Trust. UCRHBT receives the University's contributions toward retiree health benefits from campuses, medical centers and University affiliates. The University receives retiree health contributions from University affiliates and campus and medical center retirees that are deducted from their UCRP benefit payments and then remitted to UCRHBT.

The University acts as a third-party administrator on behalf of UCRHBT and pays health care insurers and administrators amounts currently due under the University's retiree health benefit plans for retirees. UCRHBT reimburses the University for these amounts.

LBNL does not participate in UCRHBT; therefore, the DOE has no interest in its assets.

Compensated absences. The University accrues annual leave, including employer-related costs, for employees at rates based upon length of service and job classification and compensatory time based upon job classification and hours worked.

Endowment spending. Under provisions of California law, the Uniform Prudent Management of Institutional Funds Act allows for investment income, as well as a portion of realized and unrealized gains, to be expended for the operational requirements of University programs.

Tax exemption. The University is recognized as a tax-exempt organization under Section 501(c)(3) of the Internal Revenue Code (IRC), except for tax on unrelated business income under IRC Section 511. The University is also exempt from federal income tax under IRC Section 115(a) as a state institution. In addition, the University is exempt from state income taxes imposed under the California Revenue and Taxation Code. UCRS plans are qualified under IRC Section 401(a) and the related trusts are tax-exempt under Section 501(c)(3). The campus foundations are also qualified for tax exemption under IRC Section 501(c)(3). CHRCO and its component unit, the Children's Hospital and Research Center Foundation, are qualified for exemption under IRC Section 501(c)(3). Income received by UCRHBT is tax-exempt under IRC Section 115(a).

Use of estimates. The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenditures during the reporting period. Although management believes the estimates and assumptions are reasonable, they are based upon information available at the time the estimate or judgment is made and actual amounts could differ from those estimates.

New accounting pronouncements. In January 2017, the GASB issued Statement No. 84, *Fiduciary Activities*, effective for the University's fiscal year beginning July 1, 2020. This Statement establishes criteria for identifying fiduciary activities of all state and local governments. Governments with activities meeting the criteria should present a statement of fiduciary net position and a statement of changes in fiduciary net position. This Statement describes four fiduciary funds that should be reported, if applicable: (1) pension (and other employee benefit) trust funds, (2) investment trust funds, (3) private-purpose trust funds and (4) custodial funds. Custodial funds generally should report fiduciary activities that are not held in a trust or an equivalent arrangement that meets specific criteria. The University is evaluating the effect Statement No. 84 will have on its financial statements.

In June 2017, the GASB issued Statement No. 87, *Leases*, effective for the University's fiscal year beginning July 1, 2021. This Statement establishes a single approach to accounting for and reporting leases based on the principle that leases are financings of the right to use an underlying asset. Under this Statement, a lessee is required to recognize a lease liability and an intangible right-to-use lease asset, and a lessor is required to recognize a lease receivable and a deferred inflow of resources. Limited exceptions to the single-approach guidance are provided for short-term leases, defined as lasting a maximum of twelve months at inception, including any options to extend, financed purchases, leases of assets that are investments and certain regulated leases. The University is evaluating the effect Statement No. 87 will have on its financial statements.

In May 2019, the GASB issued Statement No. 91, *Conduit Debt Obligations*, effective for the University's fiscal year beginning July 1, 2022. The Statement defines a conduit debt obligation and clarifies the accounting and financial reporting for conduit debt obligations with additional or voluntary commitments by issuers. The University is evaluating the effect that Statement No. 91 will have on its financial statements.

In January 2020, the GASB issued Statement No. 92, *Omnibus 2020*, effective for the University's fiscal year beginning July 1, 2021. The Statement enhances comparability in accounting and financial reporting and improves the consistency of authoritative literature by addressing practice issues that have been identified during implementation and application of certain GASB Statements. The University is evaluating the effect that Statement No. 92 will have on its financial statements.

In March 2020, the GASB issued Statement No. 94, *Public-Private and Public-Public Partnerships and Availability Payment Arrangements*, effective for the University's fiscal year beginning July 1, 2022. The Statement provides guidance for financial reporting for public-private and public-public partnership arrangements and availability payment arrangements. The University is evaluating the effect that Statement No. 94 will have on its financial statements.

In May 2020, the GASB issued Statement No. 96, *Subscription-Based Information Technology Arrangements*, effective for the University's fiscal year beginning July 1, 2023. The Statement requires for these arrangements to be recorded as a right-to-use intangible asset and a corresponding subscription liability. The University is evaluating the effect that Statement No. 96 will have on its financial statements.

1. CASH AND CASH EQUIVALENTS

The University maintains centralized management for substantially all of its cash and cash equivalents. Cash in demand deposit accounts is minimized by sweeping available cash balances into investment accounts on a daily basis.

Under University policy, deposits are only held at financial institutions that maintain an issuer rating on long-term debt of A3 or higher by Moody's, A- or higher by Standard & Poor's or an Asset Peer Group rating of 65 or higher as defined by Sheshunoff Bank Rating Reports. At June 30, 2020 and 2019, the carrying amount of the University's demand deposits, generally held in five nationally recognized banking institutions, was \$355.7 million and \$143.1 million, respectively, compared to bank balances of \$280.7 million and \$93.6 million, respectively. Deposits in transit and cash awaiting investment are the primary differences. The University's deposits are uninsured and uncollateralized except for bank balances insured by the Federal Deposit Insurance Corporation (FDIC) up to applicable statutory limits.

The University does not have significant exposure to foreign currency risk in demand deposit accounts. Accounts held in foreign countries maintain minimum operating balances with the intent to reduce potential foreign exchange risk while providing an adequate level of liquidity to meet the obligations of the academic programs established abroad. The equivalent U.S. dollar balances required to support research groups and education abroad programs in foreign countries was \$0.4 million at June 30, 2020 and \$0.2 million at June 30, 2019.

The carrying amount of the campus foundations' cash and cash equivalents at June 30, 2020 and 2019 was \$357.8 million and \$458.6 million, respectively, compared to bank balances of \$132.5 million and \$88.0 million, respectively. Deposits in transit and cash awaiting investment are the primary differences. Included in cash and cash equivalents are deposits in the University's Short Term Investment Pool of \$224.9 million at June 30, 2020 and \$366.9 million at June 30, 2019, with the remaining uncollateralized bank balances insured by the Federal Deposit Insurance Corporation (FDIC) up to applicable statutory limits. Uncollateralized bank balances include \$14.2 million and \$20.8 million in excess of the FDIC limits at June 30, 2020 and 2019, respectively. The campus foundations do not have exposure to foreign currency risk in their cash and cash equivalents. Included in the campus foundations' cash and cash equivalents is \$38.9 million and \$10.3 million, as of June 30, 2020 and 2019, respectively, held by the respective campuses in STIP.

2. INVESTMENTS

The Regents, as the governing Board, is responsible for the oversight of the University's, UCRS' and UCRHBT's investments and establishes an investment policy, which is carried out by the Chief Investment Officer. These investments are associated with the Short Term Investment Pool (STIP), Total Return Investment Pool (TRIP), Blue and Gold Pool (BGP), General Endowment Pool (GEP), UCRS, UCRHBT and other investment pools managed by the Chief Investment Officer, or are separately invested. Pursuant to The Regents' policies on campus foundations, the Board of Trustees for each campus foundation may determine that all or a portion of their investments will be managed by the Chief Investment Officer. Asset and Risk Allocation Policy guidelines are provided to the campus foundations by the Investments Committee of The Regents.

STIP allows participants to maximize the returns on their short-term cash balances by taking advantage of the economies of scale of investing in a large pool with a broad range of maturities and is managed to maximize current earned income. Cash to provide for payroll, construction expenditures and other operating expenses for campuses and medical centers is invested in STIP. The available cash in UCRS or endowment investment pools awaiting investment, or cash for administrative expenses, is also invested in STIP.

Investments authorized by The Regents for STIP include fixed-income securities with a maximum maturity of five and one-half years. In addition, for STIP, The Regents has also authorized loans, primarily to faculty members residing in California, under the University's Mortgage Origination Program with terms of up to 40 years.

TRIP allows participants the opportunity to maximize the return on their intermediate-term working capital by taking advantage of the economies of scale of investing in a large pool across a broad range of asset classes. TRIP is managed to a total return objective and is intended to supplement STIP. Investments authorized by The Regents for TRIP include a diversified portfolio of equity, fixed-income and alternative investments.

BGP is an investment pool established by The Regents and is available to the University and its related entities. The objective of BGP is to provide a low-cost, liquid, diversified investment vehicle to invest long-term excess reserves to earn a higher return than would otherwise be expected from STIP and TRIP. To achieve liquidity, transparency and minimal expense, a passive investment strategy in equities and bonds is used. BGP was liquidated and closed effective April 30, 2020.

GEP is an investment pool in which a large number of individual endowments participate in order to benefit from diversification and economies of scale. GEP is a balanced portfolio and the primary investment vehicle for endowed gift funds. Where donor agreements place constraints on allowable investments, assets associated with endowments are invested in accordance with the terms of the agreements.

Other investment pools primarily facilitate annuity and life income arrangements. Separate investments are those that cannot be pooled due to investment restrictions or income requirements.

Investments authorized by The Regents for GEP, UCRS, other investment pools and separate investments include equity securities, fixed-income securities and certain other asset classes. The equity portion of the investment portfolios include both domestic and foreign common and preferred stocks which may be included in actively or passively managed strategies, along with exposure to private equities. The University's investment portfolios may include foreign currency-denominated equity securities. The fixed-income portion of the investment portfolios may include both domestic and foreign securities, along with certain securitized investments, including mortgage-backed and asset-backed securities. Fixed-income investment guidelines permit the use of futures and options on fixed-income instruments in the ongoing management of the portfolios. Real estate investments are authorized for all pools except for STIP. Absolute return strategies, which may incorporate short sales, plus derivative positions to implement or hedge an investment position, are also authorized for all pools except for STIP.

Derivative instruments, including futures, forward contracts, options and swap contracts are authorized for portfolio rebalancing in accordance with The Regents' asset allocation policy and as substitutes for physical securities. Derivatives are not used for speculative purposes.

The Regents has also authorized certain employee account balances in defined contribution plans included as part of UCRS' investments to be invested in mutual funds. The participants' interests in mutual funds are not managed by the Chief Investment Officer and totaled \$1.8 billion and \$1.7 billion at June 30, 2020 and 2019, respectively.

Investments authorized by The Regents for the UCRHBT are restricted to a portfolio of high-quality money market instruments in a commingled fund that is managed externally. The average credit quality of the portfolio is A-1/P-1 with an average maturity of 31 days and 33 days at June 30, 2020 and 2019, respectively. The fair values of UCRHBT's investment in this portfolio were \$141.9 million and \$136.2 million at June 30, 2020 and 2019, respectively. These are measured at net asset value as of June 30, 2020 and 2019, respectively.

The composition of investments, by investment type at June 30 is as follows:

	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS		UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	
<i>(in thousands of dollars)</i>	2020	2019	2020	2019	2020	2019
<i>Equity securities:</i>						
Domestic	\$6,567,109	\$3,958,908	\$143,125	\$272,859	\$30,036,053	\$24,837,610
Foreign	2,012,627	2,338,504	28,232	28,130	15,129,752	14,770,785
Equity securities	8,579,736	6,297,412	171,357	300,989	45,165,805	39,608,395
<i>Fixed- or variable-income securities:</i>						
<i>U.S. government-guaranteed:</i>						
U.S. Treasury bills, notes and bonds	2,621,135	2,554,434	405,913	347,724	5,396,751	1,531,732
U.S. Treasury strips	111,658	781,608	299	241	1,605,836	1,973,596
U.S. TIPS		30,912			1,498,492	3,142,771
U.S. government-backed securities			4,706			
U.S. government-backed mortgage-backed securities		6,881	9,060	9,557	203,078	5,927
U.S. government-guaranteed	2,732,793	3,373,835	419,978	357,522	8,704,157	6,654,026
<i>Other U.S. dollar-denominated:</i>						
Corporate bonds	1,954,398	3,521,045	133,181	25,838	4,245,142	4,316,281
Commercial paper	926,842	1,962,132			63,625	421,635
U.S. agencies	300	1,856,385		3,762	575,819	4,006,178
U.S. agencies - asset-backed securities	4,342,320	680,334	18,265	15,711	5,110,536	2,796,820
Corporate - asset-backed securities	80,600	802,323	26,631	22,093	330,170	1,583,412
Supranational/foreign	1,009,210	1,381,686	1,405	369	2,801,600	2,824,693
Other		26,491	2,672	181	33,092	28,753
Other U.S. dollar-denominated	8,313,670	10,230,396	182,154	67,954	13,159,984	15,977,772
<i>Foreign currency-denominated:</i>						
Corporate		98			599	536
Government/sovereign			933	1,430		
Foreign currency-denominated		98	933	1,430	599	536
<i>Commingled funds:</i>						
Absolute return funds	3,152,870	4,313,573	2,819,938	2,531,318	4,492,152	4,716,290
Non-U.S. equity funds	1,866,199	2,385,721	880,677	1,133,275	6,186,670	8,198,932
Private equity	2,760,306	2,554,119	1,219,737	1,132,506	5,050,083	4,458,873
Money market funds	4,953,880	845,562	1,056,573	1,285,848	4,268,874	5,664,235
U.S. equity funds	2,829	74,076	1,339,334	914,398	1,893,101	1,137,570
Real estate investment trusts	127,751	204,527	162,961	174,974	2,135,084	2,454,783
Real assets	779,067	627,023	90,905		2,350,466	1,530,725
U.S. bond funds	5,483	804,055	93,539	136,634		1,131,443
Non-U.S. bond funds	131	144,613	22,527	20,727	14	14
Balanced funds	245,192	243,152	1,921,291	1,519,333		
Commingled funds	13,893,708	12,196,421	9,607,482	8,849,013	26,376,444	29,292,865
Investment derivatives	(2,986)	545	13,331	(388)	582	6,485
Publicly traded real estate investment trusts	233,341	265,160			1,729,028	2,092,822
Mortgage loans	900,480	766,748				
Real estate	835,644	1,035,477	159,637	143,713	2,141,683	1,823,802
Other investments	10,316	121,256	202,722	258,156		
Campus foundations' investments with the University	(2,984,184)	(2,892,444)				
UCRS investment in the STIP	(1,848,727)	(2,687,523)				
Total investments	30,663,791	28,707,381	10,757,594	9,978,389	\$97,278,282	\$95,456,703
Less: Current portion	(8,392,586)	(4,923,749)	(823,718)	(875,652)		
Noncurrent portion	\$22,271,205	\$23,783,632	\$9,933,876	\$9,102,737		

Investment Risk Factors

There are many factors that can affect the value of investments. Some, such as custodial credit risk, concentration of credit risk and foreign currency risk, may affect both equity and fixed-income securities. Equity securities respond to such factors as economic conditions, individual company earnings performance and market liquidity, while fixed-income securities are particularly sensitive to credit risks and changes in interest rates. Alternative investment strategies and their underlying assets and rights are subject to an array of economic and market vagaries that can limit or erode value.

Credit Risk

Fixed-income securities are subject to credit risk, which is the chance that a bond issuer will fail to pay interest or principal in a timely manner, or the possibility that negative perceptions of the issuer's ability to make these payments will cause security prices to decline. These circumstances may arise due to a variety of factors such as financial weakness, bankruptcy, litigation and/or adverse political developments.

A bond's credit quality is an assessment of the issuer's ability to pay interest on the bond and, ultimately, to pay the principal. Credit quality is evaluated by one of the independent bond rating agencies, for example Moody's Investors Service (Moody's) or Standard and Poor's (S&P). The lower the rating, the greater the chance, in the rating agency's opinion, that the bond issuer will default, or fail to meet its payment obligations. Generally, the lower a bond's credit rating, the higher its yield should be to compensate for the additional risk.

Certain fixed-income securities, primarily obligations of the U.S. government or those explicitly guaranteed by the U.S. government, are considered to have minimal credit risk. Asset-backed securities are debt obligations that represent claims to the cash flows from pools of commercial, mortgage, credit card or student loans. Mortgage-backed securities issued by Ginnie Mae are backed by the full faith and credit of the U.S. government.

The investment guidelines for STIP recognize that a limited amount of credit risk, properly managed and monitored, is prudent and provides incremental risk-adjusted return over its benchmark (the benchmark for STIP is a weighted average of the two-year Treasury note and Citigroup 3-month Treasury bill).

The University recognizes that credit risk is appropriate in balanced investment pools such as TRIP, UCRS and GEP by virtue of the benchmarks chosen for the fixed-income portion of those pools.

The core fixed-income benchmark for UCRS, GEP and TRIP is the Barclays Capital U.S. Aggregate Bond Index, comprised of 25.1 percent corporate bonds and 29.7 percent mortgage/asset-backed bonds, all of which carry some degree of credit risk. The remaining 45.2 percent is government issued bonds.

Credit risk is managed primarily by diversifying across issuers. The University monitors and reviews their exposures on an ongoing basis and will maintain a high quality portfolio within the investment guidelines set forth by the Office of the Chief Investment Officer.

The credit risk profile for fixed- or variable-income securities at June 30 is as follows:

	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS		UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	
(in thousands of dollars)	2020	2019	2020	2019	2020	2019
Fixed- or variable-income securities:						
U.S. government-guaranteed	\$2,732,793	\$3,373,835	\$419,978	\$357,522	\$8,704,157	\$6,654,026
Other U.S. dollar-denominated:						
AAA	279,125	772,543	15,635	14,996	1,378,653	1,682,354
AA	474,082	1,812,421	25,745	16,926	1,767,974	2,980,968
A	1,069,385	1,740,713	12,955	6,244	1,388,220	1,265,126
BBB	1,106,252	1,889,585	19,495	18,883	2,334,456	2,270,637
BB	124,414	387,960	2,323		1,285,986	1,356,147
B	7,190	244,231	68		983,595	1,282,856
CCC or below		28,966			300,817	196,655
A1/P1/F1			4,488			
Not rated	5,253,222	3,353,977	14,991	10,905	3,720,283	4,943,029
Foreign currency-denominated:						
BBB			933	1,430		
BB			43,802			
B			38,064		599	536
CCC or below		98	4,346			
Not rated			242			
Commingled funds:						
U.S. bond funds: not rated	5,483	804,055	93,546	136,634		1,131,443
Non-U.S. bond funds: not rated	131	144,613	22,527	20,727	14	14
Money market funds: not rated	4,953,880	845,562	1,056,547	1,285,848	4,268,874	5,664,235
Other investments:						
Mortgage loans: not rated	900,480	766,748				
Investment derivatives: not rated				(388)		

Custodial Credit Risk

Custodial credit risk is the risk that in the event of the failure of the custodian, the investments may not be returned.

Substantially all of the University's, campus foundations' and UCRS' securities are registered in the University's name by the custodial bank as an agent for the University. Other types of investments such as private investments, real estate, commingled funds and derivatives, represent ownership interests that do not exist in physical or book-entry form. As a result, custodial credit risk for such investments is remote.

Concentration of Credit Risk

Concentration of credit risk is the risk associated with a lack of diversification, such as having substantial investments in a few individual issuers, thereby exposing the organization to greater risks resulting from adverse economic, political, regulatory, geographic or credit developments.

The U.S. and non-U.S. equity portions of the University and UCRS portfolios may be managed either passively or actively. For the portions managed passively, the concentration of individual securities is similar to their concentration in the benchmark. While some securities have a larger representation in the benchmark than others, the University considers passive management results in an absence of concentration of credit risk. For the portions managed actively, asset class guidelines do not specifically address concentration risk, but do state that the equity asset class, in the aggregate, will be appropriately diversified to control overall risk and will exhibit portfolio characteristics similar to the asset class benchmark (including concentration of credit risk). Concentration risk for individual portfolios is monitored relative to their individual benchmarks and agreed-upon risk parameters in their guidelines.

Each campus foundation may have its own individual investment policy designed to limit exposure to a concentration of credit risk. Securities issued or explicitly guaranteed by the U.S. government, mutual funds, external investment pools, other investment pools or investments that are invested by the University for the campus foundations are not subject to concentration of credit risk. Most of the campus foundations that hold other types of investments have policies to limit the exposure to an individual issuer.

At June 30, 2020 and 2019, no single issuer comprised more than five percent or more of investments held by the University, campus foundations and UCRS.

Interest Rate Risk

Interest rate risk is the risk that the value of fixed-income securities will decline because of changing interest rates. The prices of fixed-income securities with a longer time to maturity, measured by effective duration, tend to be more sensitive to changes in interest rates and, therefore, more volatile than those with shorter durations. Effective duration is the approximate change in price of a security resulting from a 100-basis-point (1-percentage-point) change in the level of interest rates. It is not a measure of time.

Interest rate risk for STIP is managed by constraining the maturity of all individual securities to be less than five and one-half years. There is no restriction on weighted average maturity of the portfolio as it is managed relative to the liquidity demands of the investors. The nature and maturity of individual securities in STIP allow for the use of weighted average maturity as an effective risk management tool, rather than the more complex measure, effective duration.

The portfolio guidelines constrain the potential price movement due to interest rate changes of the portfolio being similar to that of the benchmark. There are similar restrictions for the high-yield and emerging market debt portfolios relative to their benchmarks.

The effective durations for fixed- or variable-income securities at June 30 are as follows:

	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS		UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	
	2020	2019	2020	2019	2020	2019
Fixed- or variable-income securities:						
<i>U.S. government-guaranteed:</i>						
U.S. Treasury bills, notes and bonds	1.5	1.7	2.4	2.7	6.5	2.9
U.S. Treasury strips	5.9	8.4	14.6	15.5	7.6	11.0
U.S. TIPS		3.9			6.0	6.1
U.S. government-backed mortgage-backed securities		0.7	1.4	0.7	0.5	2.2
<i>Other U.S. dollar-denominated:</i>						
Corporate bonds	1.9	3.5	1.7	2.5	6.6	5.3
U.S. agencies		1.0			6.3	1.6
U.S. agencies - asset-backed securities		2.8	1.4	1.6	1.3	2.5
Corporate - asset-backed securities		3.3	1.1	0.8	1.4	2.6
Supranational/foreign	1.6	3.0	0.5	2.6	7.2	5.7
Certificates of deposit/time deposits			0.2			
Other		9.2	3.8		16.1	15.9
<i>Foreign currency-denominated:</i>						
Corporate		2.6			1.8	2.6
Government/sovereign			3.1	3.4		
Commingled funds:						
U.S. bond funds	6.1	4.1	5.5	4.6		2.9
Non-U.S. bond funds		3.0	8.1	7.0	8.3	7.6
Money market funds*			0.4	1.2	0.4	1.2

*Foundation and UCRS investment in STIP

The University considers the effective durations for commercial paper, mortgage loans, insurance contracts and money market funds to be zero. The terms of the mortgage loans include variable interest rates. Insurance contracts can be liquidated without loss of principal and money market funds consist of underlying securities that are of a short-term, liquid nature.

Investments also include various mortgage-backed securities, collateralized mortgage obligations, structured notes, variable-rate securities and callable bonds that may be considered to be highly sensitive to changes in interest rates due to the existence of prepayment or conversion features. The effective durations of these securities, however, may be low.

At June 30, the fair values of such investments are as follows:

	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS		UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	
(in thousands of dollars)	2020	2019	2020	2019	2020	2019
Mortgage-backed securities	\$4,256,222	\$656,113	\$15,021	\$13,460	\$4,751,920	\$2,691,572
Collateralized mortgage obligations		610,379	10,673	10,658	246,393	922,334
Other asset-backed securities	166,699	266,402	20,196	22,093	645,472	508,094
Structured notes		236			575	2,711
Variable-rate securities	62,206	708,676			659,954	2,160,669
Callable bonds	1,157,608	4,215,677		476	6,650,803	8,452,259
Convertible bonds		17,215				205,222
Total	\$5,642,735	\$6,474,698	\$45,890	\$46,687	\$12,955,117	\$14,942,861

Mortgage-Backed Securities. These securities are issued primarily by Fannie Mae, Ginnie Mae and Freddie Mac, and various commercial entities and include short embedded prepayment options. Unanticipated prepayments by the obligees of the underlying asset reduce the total expected rate of return.

Collateralized Mortgage Obligations. Collateralized mortgage obligations (CMOs) generate a return based upon either the payment of interest or principal on mortgages in an underlying pool. The relationship between interest rates and prepayments makes the fair value highly sensitive to changes in interest rates. In falling interest rate environments, the underlying mortgages are subject to a higher propensity of prepayments. In rising interest rate environments, the opposite is true.

Other Asset-Backed Securities. Other asset-backed securities also generate a return based upon either the payment of interest or principal on obligations in an underlying pool, generally associated with auto loans or credit cards. As with CMOs, the relationship between interest rates and prepayments makes the fair value highly sensitive to changes in interest rates.

Variable-Rate Securities. These securities are investments with terms that provide for the adjustment of their interest rates on set dates and are expected to have fair values that will be relatively unaffected by interest rate changes. Variable-rate securities may have limits on how high or low the interest rate may change. These constraints may affect the market value of the security.

Callable Bonds. Although bonds are issued with clearly defined maturities, an issuer may be able to redeem, or call, a bond earlier than its maturity date. The University must then replace the called bond with a bond that may have a lower yield than the original. The call feature causes the fair value to be highly sensitive to changes in interest rates.

At June 30, the effective durations for these securities are as follows:

	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS		UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	
(in years)	2020	2019	2020	2019	2020	2019
Mortgage-backed securities		3.0	1.3	1.6	1.2	2.5
Collateralized mortgage obligations		4.1	1.6	0.8	2.9	3.7
Other asset-backed securities	0.5	0.4	1.4	0.8	1.5	0.7
Structured notes		0.9			(1.6)	1.1
Variable-rate securities	2.9	3.4			2.7	1.8
Callable bonds	2.5	3.0		2.6	5.1	3.3
Convertible bonds		0.4				0.9

Foreign Currency Risk

The University's strategic asset allocation policy for TRIP, UCRS and GEP includes allocations to non-U.S. equities and non-dollar-denominated bonds. The benchmarks for these investments are not hedged; therefore, foreign currency risk is part of the investment strategy. Portfolio guidelines for U.S. investment-grade fixed-income securities also allow exposure to non-U.S. dollar-denominated bonds up to 10 percent of the total portfolio market value. Exposure to foreign currency risk from these securities is permitted and it may be fully or partially hedged using forward foreign currency exchange contracts. Under the University's investment policies, such instruments are not permitted for speculative use or to create leverage. Similar limits on foreign exchange exposure apply to the high-yield debt and emerging market debt portfolios.

At June 30, the foreign currency risk expressed in U.S. dollars, organized by currency denomination and investment type, is as follows:

	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS		UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	
<i>(in thousands of dollars)</i>	2020	2019	2020	2019	2020	2019
<i>Equity securities:</i>						
Euro	\$608,535	\$729,350		\$439	\$3,683,994	\$3,596,443
British Pound	160,498	228,661		913	1,456,420	1,669,488
Japanese Yen	308,534	338,827	\$17,798		2,595,740	2,395,527
Canadian Dollar	109,393	131,959		148	934,660	906,653
Swiss Franc	166,729	165,398		448	1,165,858	999,908
Australian Dollar	69,544	94,235		1,069	607,305	645,339
Hong Kong Dollar	151,980	172,392			1,285,705	1,131,613
Swedish Krona	66,904	72,038			400,290	344,871
Singapore Dollar	10,816	17,708			92,509	112,683
Danish Krone	29,714	25,330			233,620	178,612
Norwegian Krone	7,736	12,786			96,579	112,538
South Korean Won	58,178	83,299		15,203	599,329	612,854
Brazilian Real	23,657	40,171			177,142	271,299
Indian Rupee	74,376	43,671	5,225	2,934	403,587	471,209
Taiwan New Dollar	66,778	60,605			516,332	399,004
South African Rand	17,675	29,052			145,227	205,161
Thai Baht	14,608	15,052			122,137	170,839
Mexican Peso	8,050	13,153			64,598	91,115
Chinese Yuan Renminbi	16,482	1,168			149,798	
Other	42,440	63,649	5,209	6,976	398,922	421,910
Subtotal	2,012,627	2,338,504	28,232	28,130	15,129,752	14,737,066
<i>Fixed-income securities:</i>						
Mexican Peso			933	1,430		
Euro		98			599	536
Subtotal		98	933	1,430	599	536
<i>Commingled funds (various currency denominations):</i>						
Absolute return funds			1,052,032	930,896		
Non-U.S. equity funds	1,866,199	2,385,721	880,676	1,133,275	6,186,670	8,198,932
Private equity	40,855	24,933	209,109	119,908	207,238	108,682
Real estate investment trusts			10,387	10,291		
Real assets	38,036	42,682	79,741	73,104	163,561	191,288
Non-U.S. bond funds	131	144,613	22,527	20,727	14	14
Balanced funds			109,572	133,575		
Subtotal	1,945,221	2,597,949	2,364,044	2,421,776	6,557,483	8,498,916
<i>Investment derivatives:</i>						
Australian Dollar	3	1			82	51
Canadian Dollar	48	5			279	64
British Pound	3	3			147	135
Japanese Yen	(8)	2	158		(440)	94
Hong Kong Dollar					(16)	8
Euro	106	113	205		1,348	1,172
Other	4	22	216		99	158
Subtotal	156	146	579		1,499	1,682
<i>Publicly traded real estate investment trusts:</i>						
Australian Dollar	5,549	12,029			46,952	73,586
Euro	3,817	9,605			33,427	65,922
British Pound	3,945	13,070			36,741	78,198
Japanese Yen	8,590	17,280			72,915	103,838
South African Rand	542	1,325			3,139	6,685
Singapore Dollar	3,592	6,461			29,415	37,628
Canadian Dollar	833	5,157			11,513	28,971
Mexican Peso	544	694			2,721	3,194
Other	2,311	3,527			18,050	22,569
Subtotal	29,723	69,148			254,873	420,591
Total exposure to foreign currency risk	\$3,987,727	\$5,005,845	\$2,393,788	\$2,451,336	\$21,944,206	\$23,658,791

The University's Investment Pools

The composition of the University's investments at June 30, 2020, by investment pool, is as follows:

(in thousands of dollars)	UNIVERSITY OF CALIFORNIA				
	STIP	TRIP	GEP	OTHER	TOTAL
<i>Equity securities:</i>					
Domestic		\$3,565,546	\$2,857,359	\$144,204	\$6,567,109
Foreign		895,156	1,070,551	46,920	2,012,627
<i>Fixed- or variable-income securities:</i>					
U.S. government-guaranteed	\$1,418,559	1,086,563	215,789	11,882	2,732,793
Other U.S. dollar-denominated	7,025,841	1,192,257	80,600	14,972	8,313,670
Commingled funds	3,448,653	247,272	8,645,664	1,552,119	13,893,708
Investment derivatives		616	(3,566)	(36)	(2,986)
Publicly traded real estate investment trusts		133,424	95,541	4,376	233,341
Mortgage loans	900,480				900,480
Real estate			773,818	61,826	835,644
Other investments				10,316	10,316
Subtotal	12,793,533	7,120,834	13,735,756	1,846,579	35,496,702
Campus foundations' investments with the University	(1,165,134)		(1,581,183)	(237,867)	(2,984,184)
UCRS investment in the STIP	(1,848,727)				(1,848,727)
Total investments	\$9,779,672	\$7,120,834	\$12,154,573	\$1,608,712	\$30,663,791

The composition of the University's investments at June 30, 2019, by investment pool, is as follows:

(in thousands of dollars)	UNIVERSITY OF CALIFORNIA					
	STIP	TRIP	BGP	GEP	OTHER	TOTAL
<i>Equity securities:</i>						
Domestic		\$1,722,441	\$487,757	\$1,633,627	\$115,083	\$3,958,908
Foreign		1,323,101	373,345	592,005	50,053	2,338,504
<i>Fixed- or variable-income securities:</i>						
U.S. government-guaranteed	\$2,202,780	883,111		216,952	70,992	3,373,835
Other U.S. dollar-denominated	5,746,781	3,330,143		907,977	245,495	10,230,396
Foreign currency-denominated				98		98
Commingled funds	8,619	1,742,286	589,714	8,758,395	1,097,407	12,196,421
Investment derivatives		706	125	(308)	22	545
Publicly traded real estate investment trusts		98,431	27,977	133,835	4,917	265,160
Mortgage loans	766,748					766,748
Real estate		144,652		831,811	59,014	1,035,477
Other investments					121,256	121,256
Subtotal	8,724,928	9,244,871	1,478,918	13,074,392	1,764,239	34,287,348
Campus foundations' investments with the University	(1,529,399)	(25,946)		(1,124,899)	(212,200)	(2,892,444)
UCRS investment in the STIP	(2,687,523)					(2,687,523)
Total investments	\$4,508,006	\$9,218,925	\$1,478,918	\$11,949,493	\$1,552,039	\$28,707,381

The total investment returns based upon unit values, representing the combined income plus net appreciation or depreciation in the fair value of investments, for the year ended June 30, 2020 were 1.7 percent for TRIP, (5.0) percent until April 30, 2020 for BGP, 5.0 percent for GEP and 1.7 percent for UCRP. The total investment returns based upon unit values, representing the combined income plus net appreciation or depreciation in the fair value of investments, for the year ended June 30, 2019, were 6.3 percent for TRIP, 3.5 percent since the inception of BGP on April 1, 2019, 8.2 percent for GEP and 6.0 percent for UCRP. The investment return for STIP distributed to participants, representing combined income and realized gains or losses, during the same periods, was 2.1 percent and 2.2 percent, respectively. Other investments consist of numerous, small portfolios of investment or individual securities, each with its own individual rate of return.

Related Party Relationships with the University

UCRS and campus foundations may invest available cash in STIP. Shares are purchased or redeemed in STIP at a constant value of \$1 per share. Actual income earned, including any realized gains or losses on the sale of STIP investments, is allocated to UCRS and campus foundations based upon the number of shares held. Unrealized gains and losses associated with the fluctuation in the fair value of investments included in STIP are recorded by the University as the manager of the pool. The net asset value for STIP is held at a constant value of \$1 and is not adjusted for unrealized gains and losses associated with the fluctuation in the fair value of investments included in STIP.

The campus foundations may also purchase or redeem shares in GEP, BGP, TRIP or other investment pools at the unitized value of the portfolio at the time of purchase or redemption. Actual income earned is allocated to the campus foundations based upon the number of shares held.

Campus Foundations

The campus foundations' cash and cash equivalents and investments that are invested with the University and managed by the Chief Investment Officer are excluded from the University's statement of net position and included in the campus foundations' statement of net position. Under the accounting policies elected by each campus foundation, certain component units classify all or a portion of their investment in STIP and TRIP as cash and cash equivalents, rather than investments. Substantially all of the campus foundations' investments managed by the Chief Investment Officer are categorized as commingled funds or commingled money market funds by the campus foundations in the composition of investments.

The fair value of the campus foundations' cash and cash equivalents and investments that are invested with the University, by investment pool, at June 30 are as follows:

<i>(in thousands of dollars)</i>	2020	2019
STIP	\$1,165,134	\$1,529,399
TRIP		25,946
GEP	1,581,183	1,124,899
Other investment pools	237,867	212,200
Campus foundations' investments with the University	2,984,184	2,892,444
Classified as cash and cash equivalents by campus foundations	(224,430)	(366,263)
Classified as investments by campus foundations	\$2,759,754	\$2,526,181

Investment income in the University's statement of revenues, expenses and changes in net position is net of income earned by, and distributed to, the campus foundations totaling \$29.9 million and \$38.2 million for the years ended June 30, 2020 and 2019, respectively.

UCRS

UCRS had \$1.8 billion and \$2.7 billion invested in STIP at June 30, 2020 and 2019, respectively. These investments are excluded from the University's statement of net position and are included in UCRS' statement of plans' fiduciary net position. They are categorized as commingled money market funds in the composition of investments for UCRS. STIP investment income in the University's statement of revenues, expenses and changes in net position is net of income earned by, and distributed to, UCRS totaling \$44.7 million and \$68.3 million for the years ended June 30, 2020 and 2019, respectively.

Agency Relationships with the University

STIP and GEP are external investment pools and include investments on behalf of external organizations that are associated with the University, although not financially accountable to the University. These organizations are not required to invest in these pools. Participants purchase or redeem shares in STIP at a constant value of \$1 per share and purchase or redeem shares in GEP at the unitized value of the portfolio at the time of purchase or redemption. Actual income earned is allocated to participants based upon the number of shares held.

The fair value of these investments in each investment pool and the related liability associated with these organizations that are included in the University's statement of net position at June 30 are as follows:

<i>(in thousands of dollars)</i>	2020	2019
STIP	\$178,270	\$127,407
GEP	276,778	296,651
Other investment pools	1,767	9,155
Total agency assets	\$456,815	\$433,213
Funds held for others	\$456,815	\$433,213

The composition of the net position at June 30 for STIP and GEP is as follows:

<i>(in thousands of dollars)</i>	STIP		GEP	
	2020	2019	2020	2019
Investments	\$12,793,533	\$8,724,928	\$13,735,756	\$13,074,391
Investment of cash collateral	20,136	72,847	303,685	228,945
Securities lending collateral	(20,136)	(72,827)	(303,688)	(228,881)
Other assets, net	3,707,093	3,387,851	296,267	145,026
Net position	\$16,500,626	\$12,112,799	\$14,032,020	\$13,219,481

Other assets include amounts receivable for pension benefits from the campuses and medical centers of \$3.7 billion and \$3.4 billion at June 30, 2020 and 2019, respectively.

The changes in net position for STIP and GEP for the year ended June 30 are as follows:

<i>(in thousands of dollars)</i>	STIP		GEP	
	2020	2019	2020	2019
Net position, beginning of year	\$12,112,799	\$13,999,891	\$13,219,481	\$12,012,891
Investment income	246,954	281,982	71,793	83,076
Net appreciation (depreciation) in fair value of investments	39,763	121,201	573,793	922,147
Net transfer to TRIP	(3,650)	(21,891)		
Transfers from (to) BGP, net	1,388,168	(1,002,778)		
Participant contributions (distributions), net	2,716,592	(1,265,606)	166,953	201,367
Net position, end of year	\$16,500,626	\$12,112,799	\$14,032,020	\$13,219,481

3. SECURITIES LENDING

The University and UCRS jointly participate in a securities lending program as a means to augment income. The campus foundations' investments that are invested with the University and managed by the Chief Investment Officer are included in the University's investment pools that participate in the securities lending program.

The campus foundations' allocated share of the program's cash collateral received, investment of cash collateral and collateral held for securities lending is determined based upon their equity in the investment pools. The Board of Trustees for each campus foundation may also authorize participation in a direct securities lending program.

Securities are lent to selected brokerage firms for which collateral received equals or exceeds the fair value of such investments lent during the period of the loan. Securities loans immediately terminate upon notice by either the University or the borrower. Collateral may be cash or securities issued by the U.S. government or its agencies, or the sovereign or provincial debt of foreign countries. Securities collateral cannot be pledged or sold by the University unless the borrower defaults.

Loans of domestic equities and all fixed-income securities are initially collateralized at 102 percent of the fair value of securities lent. Loans of foreign equities are initially collateralized at 105 percent. All borrowers are required to provide additional collateral by the next business day if the value of the collateral falls to less than 100 percent of the fair value of securities lent.

Cash collateral received from the borrower is invested by lending agents, as agents for the University, in investment pools in the name of the University, with guidelines approved by the University. These investments are shown as investment of cash collateral in the statement of net position. At June 30, 2020 and 2019, the securities in these pools had a weighted average maturity of 13 days and 20 days, respectively. The University records a liability for the return of the cash collateral shown as collateral held for securities lending in the statement of net position. Securities collateral received from the borrower is held in investment pools by the University's custodial bank.

At June 30, 2020 and 2019, the University had insignificant exposure to borrowers because the amounts the University owed the borrowers were substantially the same as the amounts the borrowers owed the University. The University is indemnified by its lending agents against any losses incurred as a result of borrower default.

The composition of the securities lending programs at June 30 is as follows:

	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS		UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	
<i>(in thousands of dollars)</i>	2020	2019	2020	2019	2020	2019
SECURITIES LENT						
For cash collateral:						
<i>Equity securities:</i>						
Domestic	\$350,781	\$322,500			\$3,617,522	\$2,932,651
Foreign	12,527	63,898			219,369	349,318
<i>Fixed-income securities:</i>						
U.S. government-guaranteed	3,676	145,563			1,896,426	877,269
U.S. agency		5,632				
Other U.S. dollar-denominated	57,264	432,202			1,706,795	1,819,850
Foreign currency-denominated		2,250			27,454	38,235
Foundations' share	(41,974)	(36,384)	\$41,974	\$36,384		
Lent for cash collateral	382,274	935,661	41,974	36,384	7,467,566	6,017,323
For securities collateral:						
<i>Equity securities:</i>						
Domestic	237,317	339,723			2,683,687	3,240,103
Foreign	88,928	178,023			1,306,148	1,197,501
<i>Fixed-income securities:</i>						
U.S. government-guaranteed	17,016	294,545			1,659,834	2,705,074
Other U.S. dollar-denominated	52,378	46,480			513,830	471,693
Foreign currency-denominated		57			90,308	3,221
Lent for securities collateral	395,639	858,828			6,253,807	7,617,592
Total securities lent	\$777,913	\$1,794,489	\$41,974	\$36,384	\$13,721,373	\$13,634,915
COLLATERAL RECEIVED						
Cash	\$429,311	\$991,052			\$7,588,760	\$6,126,849
Foundations' share	(41,974)	(36,384)	\$41,974	\$36,384		
Total cash collateral received	387,337	954,668	41,974	36,384	7,588,760	6,126,849
Securities	426,482	932,360			6,741,336	8,269,811
Total collateral received	\$813,819	\$1,887,028	\$41,974	\$36,384	\$14,330,096	\$14,396,660
INVESTMENT OF CASH COLLATERAL						
Fixed-income securities:						
<i>Other U.S. dollar-denominated:</i>						
Corporate bonds	\$4,230	\$51,173			\$74,771	\$316,357
Commercial paper	12,101	120,336			213,900	743,938
Repurchase agreements	271,677	276,518			4,802,322	1,709,481
Corporate - asset-backed securities	2,032	26,269			35,915	162,397
Certificates of deposit/time deposits	110,815	441,744			1,958,860	2,730,933
Supranational/foreign	28,761	76,119			508,393	470,583
Other assets (liabilities), net*	(310)	(835)			(5,481)	(5,163)
Foundations' share	(41,974)	(36,384)	\$41,974	\$36,384		
Investment of cash collateral	387,332	954,940	41,974	36,384	\$7,588,680	\$6,128,526
Less: Current portion	(350,610)	(839,994)	(37,995)	(32,733)		
Noncurrent portion	\$36,722	\$114,946	\$3,979	\$3,651		

* Other assets (liabilities), net is comprised of pending settlements of cash collateral investments.

The University earns interest and dividends on the collateral held during the loan period, as well as a fee from the brokerage firm, and is obligated to pay a fee and rebate to the borrower. The University receives the net investment income. The securities lending income and fees and rebates for the year ended June 30 are as follows:

	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS		UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	
<i>(in thousands of dollars)</i>	2020	2019	2020	2019	2020	2019
Securities lending income	\$14,348	\$32,269	\$1,603	\$1,497	\$133,203	\$212,596
Securities lending fees and rebates	(7,599)	(23,810)	(883)	(1,112)	(91,549)	(160,185)
Securities lending investment income, net	\$6,749	\$8,459	\$720	\$385	\$41,654	\$52,411

Investment Risk Factors

There are a variety of potential risk factors involved in a securities lending program. Risks associated with the investment of cash collateral may include the credit risk from fixed-income securities, concentration of credit risk, interest rate risk and foreign currency risk. In addition, there may be custodial credit risk associated with both cash and securities received as collateral for securities lent.

The University's and UCRS' investment guidelines and other information related to each of these risks are summarized below. Campus foundations that participate in a securities lending program may have their own individual investment policies designed to limit the same risks.

Credit Risk

The University's and UCRS' investment guidelines for the investment of cash collateral maintained in separately managed collateral pools restrict the credit rating of issuers at the time of purchase to no less than A-1, P-1 or F-1 for short-term securities and no less than A2/A for long-term securities. Asset-backed securities must have a rating of AAA at the time of purchase.

The credit risk profile for fixed- or variable-income securities associated with the investment of cash collateral at June 30 are as follows:

	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS		UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	
<i>(in thousands of dollars)</i>	2020	2019	2020	2019	2020	2019
Fixed- or variable-income securities:						
<i>Other U.S. dollar-denominated:</i>						
AAA	\$18,301	\$48,557			\$323,508	\$300,188
AA-	23,023	85,376			406,975	527,811
A+	43,049	301,142			760,959	1,861,709
A	19,811	42,688			350,189	263,903
A-						
A-1 / A-2 / P-1 / F-1	41,263	184,046			729,405	1,137,805
Not rated	12,491	53,831			220,801	332,792
Other assets (liabilities) net*: not rated	(310)	(835)			(5,481)	(5,163)
Campus foundations' share	(41,974)	(36,384)	\$41,974	\$36,384		

* Other assets (liabilities), net is comprised of pending settlements of cash collateral investments.

Custodial Credit Risk

Cash collateral received for securities lent is invested in pools by the University's lending agents. The University's and UCRS' securities related to the investment of cash collateral are registered in the University's name by the lending agents. Securities collateral received for securities lent are held in investment pools by the University's lending agents. As a result, custodial credit risk is remote.

Concentration of Credit Risk

The University's and UCRS' investment guidelines with respect to the concentration of credit risk associated with the investment of cash collateral in the separately managed collateral pools restricts investments in any single issuer of corporate debt securities, time deposits, certificates of deposit, banker's acceptances and money market funds to no more than 5 percent of the portfolio value at the time of purchase. Campus foundations that directly participate in a securities lending program do not have specific investment policies related to concentration of credit risk, although the lending agreements with the agents establish restrictions for the type of investments, as well as minimum credit ratings.

Investments in issuers other than U.S. government-guaranteed securities that represent 5 percent or more of the total investment of cash collateral at June 30 are as follows:

<i>(in thousands of dollars)</i>	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	
	2020	2019	2020	2019
Morgan Stanley & Co LLC	\$36,784	\$69,617	\$650,218	\$430,383
Skandinaviska Enskilda Banken AB		53,334		329,721
UBS AG		51,535		318,596
Citigroup Global Markets Inc.	30,520		539,481	
JP Morgan Securities LLC	28,699		507,299	
BofA Securities Inc.	22,167		391,834	
BNP Paribas Prime Brokerage	26,397		466,603	
Barclays Bank PLC	31,590		558,409	

Interest Rate Risk

The nature of individual securities in the collateral pools allows for the use of weighted average maturity as an effective risk management measure. The University's and UCRS' investment guidelines with respect to the interest rate risk associated with the investment of cash collateral in the separately managed collateral pools require the weighted average maturity of the entire collateral pool to be less than 120 days. The maturity of securities issued by the U.S. government and asset-backed securities must be less than five years, corporate debt obligations must be less than two years and time deposits must be less than 190 days.

The weighted average maturity expressed in days for fixed- or variable-income securities associated with the investment of cash collateral at June 30 are as follows:

<i>(in days)</i>	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	
	2020	2019	2020	2019
Fixed- or variable-income securities:				
<i>Other U.S. dollar-denominated:</i>				
Corporate bonds	1	19	1	19
Commercial paper	42	26	42	26
Repurchase agreements	9	11	9	11
Corporate asset-backed securities	15	29	15	29
Certificates of deposit/time deposits	20	23	20	23
Supranational/foreign	19	18	19	18

Investment of cash collateral may include various asset-backed securities, structured notes and variable-rate securities that may be considered to be highly sensitive to changes in interest rates due to the existence of prepayment or conversion features, although the weighted average maturity may be short.

At June 30, the fair value of investments that are considered to be highly sensitive to changes in interest rates are as follows:

<i>(in thousands of dollars)</i>	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS		UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	
	2020	2019	2020	2019	2020	2019
Other asset-backed securities	\$28,866	\$95,060			\$510,246	\$587,680
Variable-rate investments	212,834	797,390			3,762,173	4,929,597
Campus foundations' share	(23,632)	(32,755)	\$23,632	\$32,755		
Total	\$218,068	\$859,695	\$23,632	\$32,755	\$4,272,419	\$5,517,277

At June 30, 2020 and 2019, the weighted average maturity expressed in days for asset-backed securities was 19 days and 23 days, respectively and for variable-rate investments it was 9 days and 153 days, respectively.

Foreign Currency Risk

The University's and UCRS' investment policy with respect to the foreign currency risk associated with the investment of cash collateral maintained in separate collateral pools restricts investments to U.S. dollar-denominated securities. Therefore, there is no foreign currency risk.

4. DERIVATIVE FINANCIAL INSTRUMENTS

The University may use derivatives including futures, forward contracts, options and interest rate swap contracts as a substitute for investing in equity and fixed-income securities to reduce the effect of fluctuating foreign currencies on foreign currency-denominated investments, or to limit its exposure of variable-rate bonds to changes in market interest rates. The Board of Trustees for each campus foundation may also authorize derivatives in its investment policy.

The University enters into futures contracts for the purpose of acting as a substitute for investing in equity and fixed-income securities. A futures contract is an agreement between two parties to buy and sell a security or financial index, interest rate or foreign currency at a set price on a future date. They are standardized contracts that can be easily bought and sold and are exchange-traded. Upon entering into such a contract, the University is required to pledge to the broker an amount of cash or securities equal to the minimum initial margin requirements of the exchange on which the contract is traded. Pursuant to the contract, the University agrees to receive from, or pay to, the counterparty an amount of cash equal to the daily fluctuation in the value of the contract. These contracts are settled on a daily basis, with the resulting realized gain or loss included in the statement of revenues, expenses and changes in net position. The settlement amount at the end of each day for each of the contracts, or variation margin, is included in investments and represents the fair value of the contracts.

Forward contracts are similar to futures contracts, although they are not exchange-traded. Foreign currency exchange contracts are forward contracts used to hedge against foreign currency exchange rate risks on non-U.S. dollar-denominated investment securities and to increase or decrease exposure to various foreign currencies.

An options contract gives the University the right, but not the obligation, to buy or sell a specified security or index at a fixed price during a specified period for a nonrefundable fee (the "premium"). The maximum loss to the University is limited to the premium originally paid for covered options. The University initially records premiums paid for the purchase of these options in the statement of net position as an investment which is subsequently adjusted to reflect the fair value of the options, with unrealized gains and losses included in the statement of revenues, expenses and changes in net position.

Rights and warrants provide the holder with the right, but not the obligation, to buy a stock at a predetermined price for a finite period of time. Warrants usually have a longer time period to expiration. The holder of a right or warrant is permitted to buy at a price that may be below the actual market price for that stock. Warrants and rights cease to exist and become worthless if not used by their expiration date.

An interest rate swap is a contractual agreement entered into between the University and a counterparty under which each agrees to exchange periodic fixed or variable payments for an agreed period of time based upon a notional amount of principal or value of the underlying contract. The payments correspond to an equity index, an interest rate or to currency. A credit default swap is an agreement whereby the seller will compensate the buyer in the event of a loan default. A swaption is an option granting its owner the right but not the obligation to enter into an underlying swap. The University considers its futures, forward contracts, options, credit default swaps, swaptions, rights, warrants and certain interest rate swaps to be investment derivatives.

As a means to lower the University's borrowing costs, when compared against fixed-rate bonds at the time of issuance, the University entered into interest rate swap agreements in connection with certain of its variable-rate Medical Center Pooled Revenue Bonds and General Revenue Bonds. The University determined that certain of its interest rate swaps are derivative instruments that meet the criteria for an effective hedge. Certain of the interest rate swaps are considered hybrid instruments since, at the time of execution, the fixed rate on each of the swaps was off-market and the University received an upfront payment. As such, these swaps are each comprised of a derivative instrument, an at-the-market swap that is an effective hedge, and a companion instrument, a borrowing represented by the upfront payment. The unamortized amount of the borrowing under the companion instruments was \$81.7 million and \$80.0 million at June 30, 2020 and 2019, respectively.

As a result of global reference rate reform, LIBOR (the London Interbank Offered Rate) is expected to cease to exist in its current form at the end of 2021. In anticipation of the upcoming phase-out of LIBOR, the University amended its interest rate swap agreements to change the index rate from LIBOR to the Federal Funds Rate in 2020 and 2019. The University continued hedge accounting for certain interest rate swap agreements when the reference rates were modified from LIBOR to Federal Funds since the criteria to continuing

hedge accounting under GASB Statement No. 93 were met. Additionally, in 2020, the reference rate for other interest rates swap agreements were modified from LIBOR to the Federal Funds Rate, and the related LIBOR indexed bonds were refinanced. Since the bonds were refinanced when the interest rate swaps were modified, the University discontinued hedge accounting. The result of terminating hedge accounting for the LIBOR bonds and swaps was to recognize a loss of \$6.5 million in other nonoperating expenses during the year ended June 30, 2020. To commence hedge accounting for the new Federal Funds Rate swap agreements, an additional borrowing for the off-the-market rate swap of \$7.1 million was recognized at June 30, 2020. In 2019, to reduce rollover risk, the University also entered into new interest rate swap agreements commencing in 2023 through 2039.

The fair value balances and notional amounts of derivative instruments outstanding at June 30, categorized by type, and the changes in fair value of such derivatives are as follows:

University of California

<i>(in thousands of dollars)</i>		NOTIONAL AMOUNT		FAIR VALUE-POSITIVE (NEGATIVE)		CHANGES IN FAIR VALUE		
CATEGORY	2020	2019	CLASSIFICATION	2020	2019	CLASSIFICATION	2020	2019
INVESTMENT DERIVATIVES								
Futures contracts:								
<i>Domestic equity futures:</i>								
Long positions	\$87,663	\$58,652	Investments	\$643	\$888	Net appreciation (depreciation)	(\$5,265)	(\$14,735)
Short positions			Investments			Net appreciation (depreciation)		7
<i>Foreign equity futures:</i>								
Long positions	1,918	1,174	Investments	36	14	Net appreciation (depreciation)	(14)	(604)
Futures contracts, net				679	902		(5,279)	(15,332)
<i>Foreign currency exchange contracts, net:</i>								
Long positions	225	241	Investments	(1)	1	Net appreciation (depreciation)	2,019	1,299
Short positions	121,353	133,966	Investments	(3,801)	(565)	Net appreciation (depreciation)	3,080	2,368
Foreign currency exchange contracts, net				(3,802)	(564)		5,099	3,667
<i>Other:</i>								
Stock rights/warrants			Investments	137	207	Net appreciation (depreciation)	(78)	(10)
Other, net				137	207		(78)	(10)
Total investment derivatives				(\$2,986)	\$545		(\$258)	(\$11,675)
CASH FLOW HEDGES								
<i>Effective interest rate swaps:</i>								
Pay fixed, receive variable	\$1,431,535	\$1,435,260	Other assets (liabilities)	(\$259,944)	(\$130,161)	Deferred (inflows) outflows	(\$129,783)	(\$75,322)

University of California Campus Foundations

<i>(in thousands of dollars)</i>	NOTIONAL AMOUNT		FAIR VALUE—POSITIVE (NEGATIVE)			CHANGES IN FAIR VALUE		
CATEGORY	2020	2019	CLASSIFICATION	2020	2019	CLASSIFICATION	2020	2019
INVESTMENT DERIVATIVES								
Futures contracts:								
Domestic equity futures:								
Short positions	(\$125,372)		Investments	\$10,810		Net appreciation (depreciation)	(\$488)	
Foreign equity futures:								
Long positions	(1,093)		Investments	131		Net appreciation (depreciation)	(13)	
Foreign currency exchange contracts, net:								
Long positions	94,777		Investments	2,435		Net appreciation (depreciation)	6,910	
Other:								
Options/swaptions	3,166	\$55,128	Investments	(45)	(\$388)	Net appreciation (depreciation)	(7,096)	\$672
Swaps	59,610	169,999	Investments			Net appreciation (depreciation)	(12,135)	(10,847)
Total investment derivatives				\$13,331	(\$388)		(\$12,822)	(\$10,175)

University of California Retirement System

(in thousands of dollars)	NOTIONAL AMOUNT		FAIR VALUE—POSITIVE (NEGATIVE)			CHANGES IN FAIR VALUE		
CATEGORY	2020	2019	CLASSIFICATION	2020	2019	CLASSIFICATION	2020	2019
INVESTMENT DERIVATIVES								
Futures contracts:								
Domestic equity futures:								
Long positions	\$462,091	\$401,208	Investments	\$4,611	\$5,228	Net appreciation (depreciation)	(\$7,413)	(\$39,204)
Short positions			Investments			Net appreciation (depreciation)		1,836
Foreign equity futures:								
Long positions	44,630	66,200	Investments	332	732	Net appreciation (depreciation)	(1,242)	538
Short positions			Investments			Net appreciation (depreciation)		809
Futures contracts, net				4,943	5,960		(8,655)	(36,021)
Foreign currency exchange contracts, net:								
Long positions	12,858	12,830	Investments	(55)	65	Net appreciation (depreciation)	2,837	(2,915)
Short positions	187,035	206,476	Investments	(5,860)	(870)	Net appreciation (depreciation)	4,821	5,469
Foreign currency exchange contracts, net				(5,915)	(805)		7,658	2,554
Other:								
Stock rights/warrants			Investments	1,554	1,330	Net appreciation (depreciation)	(1,364)	135
Other, net				1,554	1,330		(1,364)	135
Total investment derivatives				\$582	\$6,485		(\$2,361)	(\$33,332)

Objectives and Terms of Hedging Derivative Instruments

The objectives and terms of the hedging derivative instruments outstanding at June 30, along with the credit rating of the associated counterparty, are as follows:

(in thousands of dollars)		NOTIONAL AMOUNT		EFFECTIVE DATE	MATURITY DATE	CASH PAID OR RECEIVED	TERMS	COUNTERPARTY CREDIT RATING	FAIR VALUE	
TYPE	OBJECTIVE	2020	2019						2020	2019
UNIVERSITY OF CALIFORNIA										
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds	\$56,760		2020	2032	None	Pay fixed 3.5897%; receive 58% of Federal Funds Rate + 0.564%	Aa2/A+	(\$10,708)	
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds		\$60,485	2007	2032	None	Pay fixed 3.5897%; receive 58% of 1-Month LIBOR* plus 0.48%	Aa2/A+		(\$8,319)
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds	31,610		2020	2030	None	Pay fixed 4.55%; receive 67% of Federal Funds Rate + 0.76%	Aa2/A+	(7,448)	
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds	38,670		2020	2037	None	Pay fixed 4.625%; receive 67% of Federal Funds Rate + 0.797%	Aa2/A+	(17,738)	
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds	54,495		2020	2043	None	Pay fixed 4.6935%; receive 67% of Federal Funds Rate + 0.861%	Aa2/A+	(33,723)	
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds		124,775	2016	2030 through 2043	None	Pay fixed 4.6359%; receive 67% of 3-Month LIBOR* plus 0.69%**	Aa2/A+		(41,528)
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate General Revenue Bonds	400,000	400,000	2019	2023	None	Pay fixed 1.8982%; receive 70% of Federal Funds Rate + 0.0925%	Aa2/AA-	(23,387)	(12,295)
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate General Revenue Bonds	100,000	100,000	2019	2023	None	Pay fixed 1.9057%; receive 70% of Federal Funds Rate + 0.0925%	Aa2/AA-	(5,871)	(3,105)
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate General Revenue Bonds	100,000	100,000	2019	2023	None	Pay fixed 1.8980%; receive 70% of Federal Funds Rate + 0.0975%	Aa2/A+	(5,830)	(3,053)
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds	24,250		2020	2045	None	Pay fixed 4.741%; receive 67% of Federal Funds Rate + 0.902%	Aa2/A+	(16,923)	
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds		24,250	2016	2045	None	Pay fixed 4.741%; receive 67% of 3-Month LIBOR* +0.79%	Aa2/A+		(11,198)
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds	25,750		2020	2047	None	Pay fixed 4.741%; receive 67% of Federal Funds Rate + 0.902%	Aa2/A+	(19,007)	
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds		25,750	2016	2047	None	Pay fixed 4.741%; receive 67% of 3-Month LIBOR* +0.79%	Aa2/A+		(12,440)
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate General Revenue Bonds	500,000	500,000	2023	2039	None	Pay fixed 1.9817%; receive 70% of Federal Funds Rate	Aa2/AA-	(100,587)	(32,712)
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate General Revenue Bonds	100,000	100,000	2023	2039	None	Pay fixed 1.899%; receive 70% of Federal Funds Rate	Aa2/A+	(18,722)	(5,511)
Interest rate swaps, net		\$1,431,535	\$1,435,260						(\$259,944)	(\$130,161)

* London Interbank Offered Rate (LIBOR).

**Weighted average spread.

Hedging Derivative Instrument Risk Factors

Credit Risk

The University could be exposed to credit risk if the interest rate swap counterparties to the contracts are unable to meet the terms of the contracts. Contracts with positive fair values are exposed to credit risk. The University faces a maximum possible loss equivalent to the amount of the derivative's fair value, less any collateral held by the University provided by the counterparty. Contracts with negative fair values are not exposed to credit risk.

Although the University has entered into the interest rate swaps with creditworthy financial institutions to hedge its variable-rate debt, there is credit risk for losses in the event of nonperformance by counterparties or unfavorable interest rate movements.

There are no collateral requirements related to the interest rate swap with the \$56.8 million notional amount. Depending on the fair value and the counterparty credit rating for the swaps related to the Medical Center Pooled Revenue Bonds with the counterparty that is currently rated Aa2/A+ with a combined notional amount of \$174.8 million, the University may be entitled to receive collateral to the extent the positive fair value exceeds \$20.0 million as of June 30, 2020. At June 30, 2020 and 2019, there was no collateral required.

Depending on the fair value and the counterparty credit rating for the swaps related to the General Revenue Bonds with the counterparty that is currently rated Aa2/AA- with a combined notional amount of \$500.0 million, the University may be entitled to receive collateral to the extent the positive fair value with the counterparty exceeds \$30.0 million. At June 30, 2020 and 2019, there was no collateral required.

Depending on the fair value and the counterparty credit rating for the swap related to the General Revenue Bonds with the counterparty that is currently rated Aa2/A+ with a notional amount of \$100.0 million, the University may be entitled to receive collateral to the extent the positive fair value with the counterparty exceeds \$20.0 million. At June 30, 2020 and 2019, there was no collateral required.

Interest Rate Risk

There is a risk that the value of the interest rate swaps will decline because of changing interest rates. The values of the interest rate swaps with longer maturities tend to be more sensitive to changing interest rates and, therefore, more volatile than those with shorter maturities.

Basis Risk

There is a risk that the basis for the variable payment received on interest rate swaps will not match the variable payment on the bonds. This exposes the University to basis risk whenever the interest rates on the bonds are reset. The interest rate on the bonds is a tax-exempt interest rate, while the basis of the variable receipt on the interest rate swaps is taxable. Tax-exempt interest rates can change without a corresponding change in the Federal Funds Rate due to factors affecting the tax-exempt market which do not have a similar effect on the taxable market.

Termination Risk

There is termination risk for interest rate swaps associated with variable-rate bonds in the event of nonperformance by counterparties in an adverse market resulting in cancellation of the synthetic interest rate and returning the interest rate payments to the variable interest rates on the bonds. In addition, depending on the agreement, certain interest rate swaps may be terminated if a counterparty's credit quality rating, as issued by Moody's or Standard & Poor's, falls below certain thresholds. For the interest rate swap with the \$56.8 million notional amount, the termination threshold is reached when the credit quality rating for either the underlying Medical Center Pooled Revenue Bonds or swap counterparty falls below Baa2 or BBB. For the swaps with the combined \$174.8 million notional amount, the termination threshold is reached when the credit quality rating for the underlying Medical Center Pooled Revenue Bonds falls below Baa3/BBB-, or the interest rate swap counterparty's rating falls below Baa2 or BBB.

For the swaps with notional amounts of \$400.0 million and \$100.0 million with a counterparty that is currently rated Aa2/AA-, the termination threshold is reached when the credit quality rating for the underlying General Revenue Bonds falls below Baa2 or BBB, or the swap counterparty's rating falls below A3 or A-. For the swap with a notional amount of \$100.0 million with a counterparty that is currently rated Aa2/A+, the termination threshold is reached when the credit quality rating for the underlying General Revenue Bonds falls below Baa2 or BBB, or the swap counterparty's rating falls below A3 or A-. Upon termination, the University may also owe a termination payment if there is a realized loss based on the fair value of each interest rate swap.

Rollover Risk

The University is exposed to rollover risk on hedging derivative instruments that are hedges of debt that mature or may be terminated prior to the maturity of the hedged debt. When these hedging derivative instruments terminate, the University will be re-exposed to the risks being hedged by the hedging derivative instruments. The University is exposed to rollover risk on the interest rate swaps that mature in June 2039 because the hedged debt is scheduled to mature in May 2048.

5. FAIR VALUE

Fair value is defined in the accounting standards as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Assets and liabilities reported at fair value are organized into a hierarchy based on the levels of inputs observable in the marketplace that are used to measure fair value. Inputs are used in applying the various valuation techniques and take into account the assumptions that market participants use to make valuation decisions. Inputs may include price information, credit data, liquidity statistics and other factors specific to the financial instrument. Observable inputs reflect market data obtained from independent sources. In contrast, unobservable inputs reflect the entity's assumptions about how market participants would value the financial instrument.

A financial instrument's level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. The following describes the hierarchy of inputs used to measure fair value and the primary valuation methodologies used for financial instruments measured at fair value on a recurring basis:

Level 1 – Prices based on unadjusted quoted prices in active markets that are accessible for identical assets or liabilities are classified as Level 1. Level 1 investments include equity securities and other publicly traded securities.

Level 2 – Quoted prices in markets that are not considered to be active, dealer quotations or alternative pricing sources for similar assets or liabilities for which all significant inputs are observable, either directly or indirectly, are classified as Level 2. Level 2 investments include fixed- or variable-income securities, commingled funds, certain derivatives and other assets that are valued using market information.

Level 3 – Investments and other assets classified as Level 3 have significant unobservable inputs, as they trade infrequently or not at all. The inputs into the determination of fair value of these investments and other assets are based upon the best information in the circumstance and may require significant management judgment. Level 3 financial instruments include private equity investments, real estate and beneficial interests in irrevocable split-interest agreements.

Net Asset Value (NAV) – Investments whose fair value is measured at NAV are excluded from the fair value hierarchy. Investments in nongovernmental entities that do not have a readily determinable fair value may be valued at NAV. Investments measured at NAV include hedge funds, private equity investments and commingled funds.

Not Leveled – Cash and cash equivalents are not measured at fair value and, thus, are not subject to the fair value disclosure requirements.

The following tables summarize the investments and other assets reported at fair value within the fair value hierarchy as of June 30, 2020:

	UNIVERSITY OF CALIFORNIA					NOT LEVELED
	TOTAL	QUOTED PRICES IN ACTIVE MARKETS	OTHER OBSERVABLE INPUTS	UNOBSERVABLE INPUTS	NET ASSET VALUE	
		(Level 1)	(Level 2)	(Level 3)	(NAV)	
<i>(in thousands of dollars)</i>						
Equity securities	\$8,579,736	\$8,578,238		\$1,498		
Fixed- or variable-income securities:						
U.S. government-guaranteed	2,732,793	405	\$2,732,388			
Other U.S. dollar-denominated	8,313,670		8,313,670			
Commingled funds	13,893,708	4,961,331		882,572	\$8,053,771	(\$3,966)
Investment derivatives	(2,986)	137	(3,123)			
Publicly traded real estate investment trusts	233,341	233,313			28	
Mortgage loans	900,480			900,480		
Real estate	835,644			61,827	773,817	
Other investments	10,316			10,316		
Campus foundations' investments with the University	(2,984,184)					(2,984,184)
UCRS investment in STIP	(1,848,727)					(1,848,727)
Total investments	\$30,663,791	\$13,773,424	\$11,042,935	\$1,856,693	\$8,827,616	(\$4,836,877)
Securities lending investments of cash collateral	\$387,332		\$387,642			(\$310)
Investments held by trustees	\$711,987	\$84,630	\$375,744		\$177,529	\$74,084
Beneficial interests included in other noncurrent assets	\$63,937			\$63,937		

CAMPUS FOUNDATIONS						
	TOTAL	QUOTED PRICES IN ACTIVE MARKETS (Level 1)	OTHER OBSERVABLE INPUTS (Level 2)	UNOBSERVABLE INPUTS (Level 3)	NET ASSET VALUE (NAV)	NOT LEVELED
<i>(in thousands of dollars)</i>						
Equity securities	\$171,357	\$159,875	\$8	\$11,464	\$10	
Fixed- or variable-income securities:						
U.S. government-guaranteed	419,978		419,978			
Other U.S. dollar-denominated	182,154	776	181,324	54		
Foreign currency denominated	933		933			
Commingled funds	9,607,482	600,506	473	20,403	8,921,289	\$64,811
Investment derivatives	13,331	13,331				
Real estate	159,637		709	50,075	108,853	
Other investments	202,722	6,519		2,010	191,046	3,147
Total investments	\$10,757,594	\$781,007	\$603,425	\$84,006	\$9,221,198	\$67,958
Securities lending investments of cash collateral	\$41,974		\$42,004			(\$30)
Beneficial interests included in other noncurrent assets	\$72,758			\$72,758		
UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM						
	TOTAL	QUOTED PRICES IN ACTIVE MARKETS (Level 1)	OTHER OBSERVABLE INPUTS (Level 2)	UNOBSERVABLE INPUTS (Level 3)	NET ASSET VALUE (NAV)	NOT LEVELED
<i>(in thousands of dollars)</i>						
Equity securities	\$45,165,805	\$45,165,751		\$54		
Fixed- or variable-income securities:						
U.S. government-guaranteed	8,704,157		\$8,704,157			
Other U.S. dollar-denominated	13,159,984		13,159,984			
Foreign currency-denominated	599		599			
Commingled funds	26,376,444	4,555,289		615,629	\$21,834,187	(\$628,661)
Investment derivatives	582	1,556	(974)			
Publicly traded real estate investment trusts	1,729,028	1,728,655			373	
Real estate	2,141,683				2,141,683	
Total investments	\$97,278,282	\$51,451,251	\$21,863,766	\$615,683	\$23,976,243	(\$628,661)
Securities lending investments of cash collateral	\$7,588,680		\$7,594,161			(\$5,481)

The following tables summarize the investments and other assets reported at fair value within the fair value hierarchy as of June 30, 2019:

UNIVERSITY OF CALIFORNIA						
	TOTAL	QUOTED PRICES IN ACTIVE MARKETS (Level 1)	OTHER OBSERVABLE INPUTS (Level 2)	UNOBSERVABLE INPUTS (Level 3)	NET ASSET VALUE (NAV)	NOT LEVELED
<i>(in thousands of dollars)</i>						
Equity securities	\$6,297,412	\$6,294,977		\$2,435		
Fixed- or variable-income securities:						
U.S. government-guaranteed	3,373,835	60,324	\$3,313,511			
Other U.S. dollar-denominated	10,230,396	226,062	9,924,334	80,000		
Foreign currency-denominated	98		98			
Commingled funds	12,196,421	875,858		513,232	\$10,742,484	\$64,847
Investment derivatives	545	147	398			
Publicly traded real estate investment trusts	265,160	265,160				
Mortgage loans	766,748			766,748		
Real estate	1,035,477			59,014	976,463	
Other investments	121,256			10,383	110,873	
Campus foundations' investments with the University	(2,892,444)					(2,892,444)
UCRS investment in STIP	(2,687,523)					(2,687,523)
Total investments	\$28,707,381	\$7,722,528	\$13,238,341	\$1,431,812	\$11,829,820	(\$5,515,120)
Securities lending investments of cash collateral	\$954,940		\$955,775			(\$835)
Investments held by trustees	\$1,245,948	\$43,337	\$583,306		\$265,490	\$353,815
Beneficial interests included in other noncurrent assets	\$70,789			\$70,789		
CAMPUS FOUNDATIONS						
	TOTAL	QUOTED PRICES IN ACTIVE MARKETS (Level 1)	OTHER OBSERVABLE INPUTS (Level 2)	UNOBSERVABLE INPUTS (Level 3)	NET ASSET VALUE (NAV)	NOT LEVELED
<i>(in thousands of dollars)</i>						
Equity securities	\$300,989	\$292,600	\$12	\$8,367	\$10	
Fixed- or variable-income securities:						
U.S. government-guaranteed	357,522		357,522			
Other U.S. dollar-denominated	67,954	652	67,248	54		
Foreign currency-denominated	1,430		1,430			
Commingled funds	8,849,013	681,676	533	11,275	8,115,624	\$39,905
Investment derivatives	(388)		(388)			
Real estate	143,713		1,260	53,600	88,853	
Other investments	258,156	9,178		2,911	243,368	2,699
Total investments	\$9,978,389	\$984,106	\$427,617	\$76,207	\$8,447,855	\$42,604
Securities lending investments of cash collateral	\$36,384		\$36,415			(\$31)
Beneficial interests included in other noncurrent assets	\$81,333			\$81,333		

UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM						
	TOTAL	QUOTED PRICES IN ACTIVE MARKETS (Level 1)	OTHER OBSERVABLE INPUTS (Level 2)	UNOBSERVABLE INPUTS (Level 3)	NET ASSET VALUE (NAV)	NOT LEVELED
<i>(in thousands of dollars)</i>						
Equity securities	\$39,608,395	\$39,608,350		\$45		
Fixed- or variable-income securities:						
U.S. government-guaranteed	6,654,026		\$6,654,026			
Other U.S. dollar-denominated	15,977,772		15,977,772			
Foreign currency-denominated	536		536			
Commingled funds	29,292,865	3,439,009		280,282	\$24,918,337	\$655,237
Investment derivatives	6,485	1,011	5,474			
Publicly traded real estate investment trusts	2,092,822	2,092,822				
Real estate	1,823,802				1,823,802	
Total investments	\$95,456,703	\$45,141,192	\$22,637,808	\$280,327	\$26,742,139	\$655,237
Securities lending investments of cash collateral	\$6,128,526		\$6,133,689			(\$5,163)

The following table presents significant terms of certain investments at June 30, 2020:

<i>(in thousands of dollars)</i> UNIVERSITY OF CALIFORNIA				
INVESTMENT TYPE	FAIR VALUE	UNFUNDED COMMITMENTS	REMAINING LIFE (YEARS)	REDEMPTION TERMS AND RESTRICTIONS
Absolute return	\$3,152,870	\$189,458	0 to 5	Not eligible for redemption and lock-up provisions ranging from 0 to 3 years. For securities not eligible for redemptions the underlying assets are estimated to be liquidated within 3 to 5 years. For securities eligible for redemptions, after initial lock-up expires, redemptions are available on a rolling basis and require 30 to 365 days' prior notification.
Private equity	2,760,306	1,478,180	0 to 15	Not eligible for redemption.
Real assets	779,067	397,534	0 to 15	Not eligible for redemption.
Real estate and real estate investment trusts	963,395	407,334	0 to 10	Closed end funds are not eligible for redemption. For open end funds, redemptions are generally on a quarterly basis where the redemption date is the last day of each quarter. Payments of withdrawal requests are generally made within 45 days.
U.S. equity funds	2,829			Redemptions generally require at least 0-90 days written notice of intention to terminate as of a date specified in the notice. Payments of withdrawal requests are generally made within 0-120 days.
Non-U.S. equity funds	1,866,199			Redemptions require at least 7-180 days prior written notice of intention to terminate as of a date determined by the legal agreement between the investment manager and The Regents of the University of California. Withdrawals will occur on the last business day of the month and are subject to certain withdrawal guidelines.
Balanced funds	245,192			Redemptions require at least twelve months prior written notice of intention to terminate as of a date specified in the notice. Withdrawals will occur on the last business day of the month and are subject to certain withdrawal guidelines.

<i>(in thousands of dollars)</i> CAMPUS FOUNDATIONS				
INVESTMENT TYPE	FAIR VALUE	UNFUNDED COMMITMENTS	REMAINING LIFE (YEARS)	REDEMPTION TERMS AND RESTRICTIONS
Absolute return	\$2,819,938	\$76,868	0 to 3	Generally, lock-up provisions ranging from 0 to 3 years. After initial lock-up expires, redemptions are available and require 30 to 180 days' prior notification.
Private equity	1,219,737	850,438	0 to 16	Generally, lock-up provisions ranging from 0 to 16 years. After initial lock-up expires, redemptions are available and require 30 to 180 days' prior notification.
Other investments	202,722	68,507	9	Not eligible for redemption.
Real estate and real estate investment trusts	413,503	122,726	0 to 14	Not eligible for redemption.
U.S. equity and Non-U.S. equity funds	2,220,011	21,630	0 to 4	Generally, lock-up provisions ranging from 0 to 4 years. After initial lock-up expires, redemptions are available and require 0 to 365 days' prior notification.

(in thousands of dollars)

UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM				
INVESTMENT TYPE	FAIR VALUE	UNFUNDED COMMITMENTS	REMAINING LIFE (YEARS)	REDEMPTION TERMS AND RESTRICTIONS
Absolute return	\$4,492,152	\$363,023	0 to 5	Not eligible for redemption and lock-up provisions ranging from 0 to 3 years. For securities not eligible for redemptions the underlying assets are estimated to be liquidated within 3 to 5 years. For securities eligible for redemptions, after initial lock-up expires, redemptions are available on a rolling basis and require 30 to 365 days' prior notification.
Private equity	5,050,083	3,323,379	0 to 15	Not eligible for redemption.
Real assets	2,350,466	881,522	0 to 15	Not eligible for redemption.
U.S. equity funds	1,893,101			Redemptions generally require at least 0-90 days written notice of intention to terminate as of a date specified in the notice. Payments of withdrawal requests are generally made within 0-120 days.
Non-U.S. equity funds	6,186,670			Redemptions require at least 7 - 180 days prior written notice of intention to terminate as of a date determined by the legal agreement between the investment manager and The Regents of the University of California. Withdrawals will occur on the last business day of the month and are subject to certain withdrawal guidelines.
Real estate and real estate investment trusts	4,276,767	716,758	0 to 10	Closed end funds are not eligible for redemption. For open end funds, redemptions are generally on a quarterly basis where the redemption date is the last day of each quarter. Payments of withdrawal requests are generally made within 45 days.

6. INVESTMENTS HELD BY TRUSTEES

The University has entered into agreements with trustees to maintain trusts for the University's long-term debt requirements, capital projects and certain other requirements.

Long-Term Debt

Investments held by trustees for future payment of principal and interest in accordance with various indenture and other long-term debt requirements totaled \$16.2 million and \$302.5 million at June 30, 2020 and 2019, respectively. In 2019, investments held by trustees included \$286.5 million to retire General Revenue Bonds maturing on July 1, 2019. Securities held by trustees are held in the name of the University and these trust agreements permit trustees to invest in U.S. and state government or agency obligations, commercial paper or other corporate obligations meeting certain credit rating requirements.

Capital Projects

Proceeds from the sale of bonds for the design and construction of third-party blended component unit housing facilities are held by trustees. The fair value of these investments was \$650.3 million and \$909.8 million at June 30, 2020 and 2019, respectively. Substantially all of these investments are of a highly liquid, short-term nature.

7. ACCOUNTS RECEIVABLE

Accounts receivable and the allowance for uncollectible accounts are as follows:

	UNIVERSITY OF CALIFORNIA							UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS
(in thousands of dollars)	STATE AND FEDERAL GOVERNMENT	MEDICAL CENTERS	INVESTMENT INCOME	PRIVATE GRANTS AND CONTRACTS	MEDICAL PROFESSIONAL FEES	OTHER	TOTAL	
At June 30, 2020								
Accounts receivable	\$905,086	\$2,480,890	\$702,971	\$565,511	\$536,374	\$848,440	\$6,039,272	\$102,426
Allowance for uncollectible accounts	(8,304)	(309,776)		(23,105)	(166,875)	(39,575)	(547,635)	
Accounts receivable, net	\$896,782	\$2,171,114	\$702,971	\$542,406	\$369,499	\$808,865	\$5,491,637	\$102,426
At June 30, 2019								
Accounts receivable	\$783,064	\$2,445,017	\$910,220	\$494,767	\$536,212	\$767,285	\$5,936,565	\$37,496
Allowance for uncollectible accounts	(7,695)	(304,538)		(24,692)	(157,343)	(35,617)	(529,885)	
Accounts receivable, net	\$775,369	\$2,140,479	\$910,220	\$470,075	\$378,869	\$731,668	\$5,406,680	\$37,496

The University's other accounts receivable are primarily related to investment income, tuition and fees, auxiliary enterprises, insurance rebates and legal settlements.

The campus foundations' accounts receivable are primarily related to investment income.

Uncollectible accounts have decreased the following revenues for the years ended June 30:

UNIVERSITY OF CALIFORNIA		
(In thousands of dollars)	2020	2019
Student tuition and fees	(\$1,662)	(\$4,475)
Grants and contracts:		
Federal	(483)	(570)
State	(486)	(1,095)
Private	323	(1,280)
Local	7	(63)
Medical centers	(240,808)	(230,357)
Educational activities	(14,605)	(11,524)
Auxiliary enterprises	(877)	(1,159)
Other operating revenues	(4,157)	(2,315)
Expense for uncollectible accounts	(\$262,748)	(\$252,838)

Retirement System Contribution

The state of California agreed to make contributions related to certain prior years to the University for UCRP in annual installments over 30 years. During each of the years ended June 30, 2020 and 2019, under the terms of these agreements, the state of California contributed \$5.3 million, including interest at 8.5 percent. The contribution receivable as of June 30, 2019 was \$4.9 million and the final installment of this agreement was paid prior to June 30, 2020. These amounts are recorded in the University's statement of net position as a receivable from the state of California and as a liability owed to UCRP.

8. PLEDGES RECEIVABLE

The composition of pledges receivable at June 30 is summarized as follows:

<i>(in thousands of dollars)</i>	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	
	2020	2019	2020	2019
Total pledges receivable outstanding	\$91,073	\$72,286	\$1,037,225	\$1,090,878
Unamortized discount to present value	(1,621)	(1,522)	(131,117)	(137,971)
Allowance for uncollectible pledges	(14,493)	(12,689)	(63,941)	(64,915)
Total pledges receivable, net	74,959	58,075	842,167	887,992
Current portion of pledges receivable	(29,581)	(28,039)	(194,541)	(201,299)
Noncurrent portion of pledges receivable	\$45,378	\$30,036	\$647,626	\$686,693

Future receipts under pledge agreements for each of the five fiscal years subsequent to June 30, 2020 and thereafter are as follows:

<i>(in thousands of dollars)</i>	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS
<i>Year Ending June 30</i>		
2021	\$39,800	\$216,495
2022	20,906	124,424
2023	16,862	151,630
2024	9,259	73,748
2025	3,379	59,279
2025-2029	867	172,538
Beyond 2029		239,115
Total payments on pledges receivable	\$91,073	\$1,037,229

Adjustments to the allowance for uncollectible pledges for the University have increased the following revenues for the years ended June 30, 2020 and 2019:

<i>(in thousands of dollars)</i>	2020	2019
Private gifts	\$2,164	\$3,744

9. NOTES AND MORTGAGES RECEIVABLE

Notes and mortgages receivable at June 30, 2020 and 2019 along with the allowance for uncollectible amounts, are as follows:

<i>(in thousands of dollars)</i>	UNIVERSITY OF CALIFORNIA				UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS		
	CURRENT	NOTES	MORTGAGES	TOTAL	CURRENT	NONCURRENT	TOTAL
<i>At June 30, 2020</i>							
Notes and mortgages receivable	\$71,687	\$347,844	\$27,410	\$375,254		\$250	\$250
Allowance for uncollectible amounts	(7,832)	(17,663)	(144)	(17,807)			
Notes and mortgages receivable, net	\$63,855	\$330,181	\$27,266	\$357,447		\$250	\$250
<i>At June 30, 2019</i>							
Notes and mortgages receivable	\$74,417	\$376,216	\$21,838	\$398,054		\$250	\$250
Allowance for uncollectible amounts	(8,060)	(17,923)	(150)	(18,073)			
Notes and mortgages receivable, net	\$66,357	\$358,293	\$21,688	\$379,981		\$250	\$250

10. DOE NATIONAL LABORATORY CONTRACTS

Los Alamos National Laboratory

The University is a member of Triad with two other organizations. Effective November 1, 2018, Triad assumed the management and operations of LANL under a contract with the DOE. While the University has an equal membership interest in Triad, the University's distributable management and operation fee is 42.7 percent of Triad. For the years ended June 30, 2020 and 2019, the University recorded fees of \$9.0 million and \$7.2 million, respectively, as part of other operating revenue.

LANS operated and managed the DOE's LANL prior to November 1, 2018. LANS' current earnings or losses were dependent on the percentage of base and incentive fees earned under the terms of the contract, offset by any unallowable or disallowed costs. While the University has a 50-percent membership interest in LANS, its equity in the current earnings or losses is subject to certain limitations and special allocations of both the fees and costs. As a result, the University's equity in the current earnings or losses may range from 17.0 to 50.0 percent. For the years ended June 30, 2020 and 2019, the University recorded \$0.2 million and \$2.9 million, respectively, as its equity in the current earnings of LANS and received \$0.6 million and \$1.5 million, respectively, in cash distributions.

Lawrence Livermore National Laboratory

LLNS manages and operates the DOE's LLNL. LLNS' current earnings or losses are dependent on the percentage of base and incentive fees earned under the terms of the contract, offset by any unallowable or disallowed costs. While the University has a 50-percent membership interest in LLNS, its equity in the current earnings or losses is 36.3 percent as of June 30, 2020 and 2019, respectively. For the years ended June 30, 2020 and 2019, the University recorded \$17.4 million and \$14.5 million, respectively, as its equity in the current earnings of LLNS and received \$16.8 million and \$14.3 million, respectively, in cash distributions.

11. CAPITAL ASSETS

The University's capital asset activity for the years ended June 30 is as follows:

<i>(in thousands of dollars)</i>	2018	ADDITIONS	DISPOSALS	2019	ADDITIONS	DISPOSALS	2020
ORIGINAL COST							
Land	\$1,191,128	\$92,360	(\$900)	\$1,282,588	\$91,192	(\$2,798)	\$1,370,982
Infrastructure	738,000	112,103		850,103	71,594		921,697
Buildings and improvements	39,822,059	1,660,663	(40,640)	41,442,082	3,671,575	(43,498)	45,070,159
Equipment, software and intangibles	8,509,568	764,842	(251,284)	9,023,126	781,779	(438,375)	9,366,530
Libraries and collections	4,275,904	154,839	(32,683)	4,398,060	163,308	(86,873)	4,474,495
Special collections	531,156	14,739	(631)	545,264	70,788	(12,394)	603,658
Construction in progress	2,931,254	1,263,084		4,194,338	(258,919)		3,935,419
Capital assets, at original cost	\$57,999,069	\$4,062,630	(\$326,138)	\$61,735,561	\$4,591,317	(\$583,938)	\$65,742,940
	2018	DEPRECIATION AND AMORTIZATION	DISPOSALS	2019	DEPRECIATION AND AMORTIZATION	DISPOSALS	2020
ACCUMULATED DEPRECIATION AND AMORTIZATION							
Infrastructure	\$391,041	\$27,477	(\$7)	\$418,511	\$29,395		\$447,906
Buildings and improvements	16,504,751	1,255,205	(21,312)	17,738,644	1,318,966	(\$20,630)	19,036,980
Equipment, software and intangibles	5,599,825	682,521	(226,691)	6,055,655	697,459	(390,285)	6,362,829
Libraries and collections	3,178,345	135,025	(20,092)	3,293,278	138,611	(79,836)	3,352,053
Accumulated depreciation and amortization	25,673,962	\$2,100,228	(\$268,102)	27,506,088	\$2,184,431	(\$490,751)	29,199,768
Capital assets, net	\$32,325,107			\$34,229,473			\$36,543,172

Service concession arrangements, reported as buildings and improvements, are \$279.1 million of original cost and \$35.8 million of accumulated depreciation at June 30, 2020. Service concession arrangements, reported as buildings and improvements, are \$278.7 million of original cost and \$30.7 million of accumulated depreciation at June 30, 2019.

12. SELF-INSURANCE, OBLIGATIONS UNDER LIFE INCOME AGREEMENTS AND OTHER LIABILITIES

The University's self-insurance, obligations under life income agreements and other liabilities at June 30, 2020 and 2019 are as follows:

	UNIVERSITY OF CALIFORNIA				UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS			
	2020		2019		2020		2019	
(in thousands of dollars)	CURRENT	NONCURRENT	CURRENT	NONCURRENT	CURRENT	NONCURRENT	CURRENT	NONCURRENT
Self-insurance programs	\$419,994	\$778,778	\$388,880	\$715,417				
Obligations under life income agreements	1,765	\$37,606	1,501	\$35,118	\$18,147	\$146,119	\$18,054	\$150,069
Other liabilities:								
Compensated absences	722,451	\$498,475	670,767	\$345,620				
UCRP*			4,891					
Accrued interest	143,199		138,338					
Fair value of interest rate swaps		259,945		130,161				
Third-party payor settlements	554,938		555,023					
Short-term advances	920,254							
Deposits	204,084		153,516					
Other	72,830	286,118	104,177	262,859	66,032	289,252	28,350	278,076
Total	\$3,039,515	\$1,044,538	\$2,017,093	\$738,640	\$84,179	\$289,252	\$46,404	\$278,076

* UCRP has an equivalent amount recorded as a contribution receivable from the University in its statement of fiduciary net position.

To minimize the impact of disruptions in claims processing as a result of COVID-19, the Centers for Medicare & Medicaid Services (CMS) modified an advance payment program for health care providers as part of the CARES Act. The medical centers applied for and received advanced payments from this program. The medical centers have the option to repay the funds at any time or the advance payments can be recovered from processing Medicare claims during the 29-month repayment period, expected to begin during the 2021 fiscal year. To the extent the advances are not recovered during the repayment period, as defined by CMS, the advances are due on demand. The advances are interest free during the repayment period; however, if the medical centers have unpaid balances at the end of the repayment period, interest will be charged at four percent.

Self-Insurance Programs

Self-insured liabilities changed as follows for the years ended June 30:

(in thousands of dollars)	MEDICAL MALPRACTICE	WORKERS' COMPENSATION	EMPLOYEE & STUDENT HEALTH CARE	GENERAL LIABILITY AND OTHER	TOTAL
<i>Year Ended June 30, 2020</i>					
Liabilities at June 30, 2019	\$222,628	\$464,664	\$155,031	\$261,974	\$1,104,297
Claims incurred and changes in estimates	44,865	89,480	1,474,810	153,235	1,762,390
Claim payments	(50,954)	(76,652)	(1,481,211)	(59,098)	(1,667,915)
Liabilities at June 30, 2020	\$216,539	\$477,492	\$148,630	\$356,111	\$1,198,772
Discount rate	3.0%	3.0%	Undiscounted	3.0%	
<i>Year Ended June 30, 2019</i>					
Liabilities at June 30, 2018	\$215,307	\$455,963	\$114,800	\$190,750	\$976,820
Claims incurred and changes in estimates	52,574	89,647	1,219,818	117,048	1,479,087
Claim payments	(45,253)	(80,946)	(1,179,587)	(45,824)	(1,351,610)
Liabilities at June 30, 2019	\$222,628	\$464,664	\$155,031	\$261,974	\$1,104,297
Discount rate	3.0%	3.0%	Undiscounted	3.0%	
<i>Year Ended June 30, 2018</i>					
Liabilities at June 30, 2017	\$193,155	\$409,007	\$90,178	\$168,372	\$860,712
Claims incurred and changes in estimates	75,112	129,808	973,303	63,290	1,241,513
Claim payments	(52,960)	(82,852)	(948,681)	(40,912)	(1,125,405)
Liabilities at June 30, 2018	\$215,307	\$455,963	\$114,800	\$190,750	\$976,820
Discount rate	2.6% to 4.7%	2.6% to 4.7%	Undiscounted	2.6% to 4.7%	

Obligations Under Life Income Agreements

Changes in current and noncurrent obligations under life income agreements for the years ended June 30 are as follows:

(in thousands of dollars)	UNIVERSITY OF CALIFORNIA		UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	
	ANNUITIES	LIFE BENEFICIARIES	ANNUITIES	LIFE BENEFICIARIES
<i>Year Ended June 30, 2020</i>				
Balance at June 30, 2019	\$17,652	\$18,967	\$66,226	\$101,897
New obligations to beneficiaries and changes in liability, net	4,247	2,136	10,129	2,842
Payments to beneficiaries	(2,425)	(1,206)	(6,970)	(9,858)
Obligations under life income agreements at June 30, 2020	19,474	19,897	69,385	94,881
Less: Current portion	(1,147)	(618)	(7,706)	(10,441)
Noncurrent portion at June 30, 2020	\$18,327	\$19,279	\$61,679	\$84,440
<i>Year Ended June 30, 2019</i>				
Balance at June 30, 2018	\$17,909	\$18,858	\$64,862	\$103,843
New obligations to beneficiaries and changes in liability, net	2,175	1,250	8,594	8,483
Payments to beneficiaries	(2,432)	(1,141)	(7,230)	(10,429)
Obligations under life income agreements at June 30, 2019	17,652	18,967	66,226	101,897
Less: Current portion	(844)	(657)	(7,428)	(10,626)
Noncurrent portion at June 30, 2019	\$16,808	\$18,310	\$58,798	\$91,271

13. DEBT

The University directly finances the construction, renovation and acquisition of facilities and equipment, or for such other purposes as are authorized by The Regents through the issuance of debt obligations or indirectly through structures that involve legally separate entities reported as blended component units. Commercial paper and bank loans provide interim financing. Long-term financing includes revenue bonds, financing obligations and other borrowings.

The University's outstanding debt at June 30 is as follows:

(in thousands of dollars)	WEIGHTED AVERAGE INTEREST RATE	INTEREST RATE RANGE	MATURITY YEARS	2020	2019
INTERIM FINANCING:					
Commercial paper		0.1 - 1.7%	2020 - 2021	\$1,327,000	\$574,483
LONG-TERM FINANCING:					
<i>University of California General Revenue Bonds:</i>					
Fixed rate	4.8%	1.4 - 7.6%	2021 - 2115	11,071,095	11,613,425
Variable rate	0.1%	0.1 - 0.2%	2037 - 2048	750,000	750,000
University of California Limited Project Revenue Bonds	4.8%	1.8 - 6.3%	2021 - 2058	4,824,835	4,922,720
<i>University of California Medical Center Pooled Revenue Bonds:</i>					
Fixed rate	4.1%	1.6 - 6.6%	2021 - 2120	4,215,285	2,462,125
Variable rate	0.1%	0.1 %	2021 - 2047	237,270	240,810
Unamortized bond premium				1,206,141	1,297,554
University of California revenue bonds	4.4%			22,304,626	21,286,634
Financing obligations		0 - 11.8%	2020 - 2042	186,427	188,140
Other University borrowings		Various	2020 - 2055	913,410	801,046
Blended component unit revenue bonds, net	5.1%	3.3 - 6.5%	2021 - 2052	1,921,285	1,733,839
Total outstanding debt				26,652,748	24,584,142
Less: Commercial paper				(1,327,000)	(574,483)
Current portion of outstanding debt				(1,996,183)	(1,696,499)
Noncurrent portion of outstanding debt				\$23,329,565	\$22,313,160

Interest expense associated with financing projects during construction, net of any investment income earned on tax-exempt bond proceeds during construction, was capitalized up through June 30, 2019. Total interest expense during the years ended June 30, 2020 and 2019 was \$921.8 million and \$880.5 million, respectively. Interest expense, net of investment income, totaling \$113.1 million was capitalized during the year ended June 30, 2019. The remaining \$767.4 million in 2019 is reported as interest expense in the statement of revenues, expenses and changes in net position.

Outstanding Debt Activity

The activity with respect to the University's current and noncurrent debt, including the revenue bonds associated with blended component units, for the years ended June 30 is as follows:

<i>(in thousands of dollars)</i>	UNIVERSITY REVENUE BONDS	FINANCING OBLIGATIONS	OTHER UNIVERSITY BORROWINGS	BLENDED COMPONENT UNIT REVENUE BONDS	TOTAL
<i>Year Ended June 30, 2020</i>					
Long-term debt and financing obligations at June 30, 2019	\$21,286,634	\$188,140	\$801,046	\$1,733,839	\$24,009,659
New obligations	1,949,210	47,978	206,587	175,065	2,378,840
Bond premium, net	0			35,231	35,231
Refinancing or prepayment of outstanding debt	(149,025)		(68,953)		(217,978)
Scheduled principal payments	(690,780)	(49,691)	(25,270)	(11,840)	(777,581)
Amortization of bond premium	(91,413)			(11,010)	(102,423)
Long-term debt and financing obligations at June 30, 2020	22,304,626	186,427	913,410	1,921,285	25,325,748
Less: Current portion	(1,726,406)	(44,058)	(194,263)	(31,456)	(1,996,183)
Noncurrent portion at June 30, 2020	\$20,578,220	\$142,369	\$719,147	\$1,889,829	\$23,329,565
<i>Year Ended June 30, 2019</i>					
Long-term debt and financing obligations at June 30, 2018	\$21,077,424	\$207,118	\$556,513	\$1,035,918	\$22,876,973
New obligations	653,060	16,327	259,810	662,465	1,591,662
Bond premium, net	22,242			54,670	76,912
Scheduled principal payments	(372,515)	(35,305)	(15,277)	(11,280)	(434,377)
Amortization of bond premium	(93,577)			(7,934)	(101,511)
Long-term debt and financing obligations at June 30, 2019	21,286,634	188,140	801,046	1,733,839	24,009,659
Less: Current portion	(1,620,253)	(42,337)	(12,820)	(21,089)	(1,696,499)
Noncurrent portion at June 30, 2019	\$19,666,381	\$145,803	\$788,226	\$1,712,750	\$22,313,160

Commercial Paper

The University has available a \$2.0 billion commercial paper program, issued in two series, with tax-exempt and taxable components. Commercial paper may be issued for interim financing for capital projects, interim financing of equipment, financing of working capital for the medical centers, standby or interim financing for gift financed projects and working capital for the University.

The program's liquidity is primarily supported by available investments in STIP and TRIP. Commercial paper is collateralized by a pledge of the revenues derived from the ownership or operation of the projects financed and constitute limited obligations of the University. There is no encumbrance, mortgage or other pledge of property securing commercial paper and the paper does not constitute general obligations of the University.

Commercial paper outstanding, including interest rates, at June 30 is as follows:

<i>(in thousands of dollars)</i>	2020		2019	
	INTEREST RATES	OUTSTANDING	INTEREST RATES	OUTSTANDING
Tax-exempt	0.08 - 1.15%	\$976,630	1.23 - 1.80%	\$313,066
Taxable	0.15 - 1.72%	350,370	2.38 - 2.63%	261,417
Total outstanding		\$1,327,000		\$574,483

The expectation is that the University will continue to utilize available investments for liquidity support of the commercial paper program. Alternatively, the University may utilize lines of credit from external banks for the purpose of providing additional liquidity support for the commercial paper program. As of June 30, 2020, the University has two revolving credit agreements totaling \$700.0 million. There were no borrowings against the revolving credit lines as of June 30, 2020.

University of California Revenue Bonds

Revenue bonds have financed various auxiliary, administrative, academic, medical center and research facilities of the University. The bonds generally have annual principal and semiannual or monthly interest payments, serial and term maturities, contain sinking fund requirements and may have optional redemption provisions. Revenue bonds are not collateralized by any encumbrance, mortgage or other pledge of property, except pledged revenues, and do not constitute general obligations of The Regents. Revenue Bond Indentures require the University to use the facilities in a way which will not cause the interest on the tax-exempt bonds to be included in the gross income of the bondholders for federal tax purposes. The Indentures permit the University to issue additional bonds as long as certain conditions are met.

General Revenue Bonds are collateralized solely by General Revenues as defined in the General Revenue Bond Indenture. General Revenues are certain operating and nonoperating revenues of the University consisting of gross student tuition and fees; a portion of state appropriations; facilities and administrative cost recovery from contracts and grants; revenues from educational, auxiliary and other activities; and other revenues, including unrestricted investment income. The General Revenue Bond Indenture requires the University to set rates, charges and fees each year sufficient for General Revenues to pay for the annual principal and interest on the bonds and certain other covenants. The pledge of General Revenues for interest rate swap agreements is on a parity basis with the University's General Revenue Bonds. General Revenues for the years ended June 30, 2020 and 2019 were \$18.1 billion and \$17.8 billion, respectively.

Limited Project Revenue Bonds are issued to finance auxiliary enterprises and are collateralized by a pledge consisting of the sum of the gross revenues of the specific projects. The Limited Project Revenue Bond Indenture requires the University to achieve the sum of gross project revenues equal to 1.1 times debt service and to maintain certain other covenants. The pledge of revenues for Limited Project Revenue Bonds is subordinate to the pledge of revenues for General Revenue Bonds, but senior to pledges for commercial paper notes. Pledged revenues for the years ended June 30, 2020 and 2019 were \$1.3 billion and \$1.5 billion, respectively.

Medical Center Pooled Revenue Bonds are issued to finance the University's medical center facilities and are collateralized by a joint and several pledges of the gross revenues of all five of the University's medical centers. Medical center gross revenues are excluded from General Revenues. The Medical Center Pooled Revenue Bond Indenture requires the medical centers to set rates, charges and fees each year sufficient for the Medical Centers' total operating and nonoperating revenues to pay for the annual principal and interest on the bonds and certain other covenants. The pledge of medical center revenues for interest rate swap agreements may be at parity with, or subordinate to, Medical Center Pooled Revenue Bonds. Pledged revenues of the medical centers for the years ended June 30, 2020 and 2019 were \$14.4 billion and \$13.4 billion, respectively.

2020 Activity

In March 2020, Medical Center Pooled Revenue Bonds totaling \$1.9 billion, including \$1.8 billion in taxable bonds, were issued to finance the acquisition, construction, improvement and renovation of certain facilities at the University's medical centers. The taxable bonds mature at various dates through 2120 and have a stated weighted average interest rate of 3.4 percent. In addition, \$149.2 million in variable bonds were issued to refund \$149.0 million of Medical Center Pooled Revenue Bonds indexed to LIBOR.

In July 2019, one of the LLC's, through its conduit issuer, issued additional Student Housing LLC Revenue Bonds totaling \$175.1 million. The bonds mature at various dates through 2052 and have a stated weighted average interest rate of 5.0 percent. Proceeds, including a bond premium of \$35.4 million were used to pay for project construction and issuance costs. The deferred premium will be amortized as a reduction to interest expense over the term of the bonds.

2019 Activity

In March 2019, General Revenue Bonds totaling \$653.1 million, including \$114.4 million in tax-exempt bonds and \$538.7 million in taxable bonds, were issued for working capital purposes and to finance the acquisition, construction, improvement and renovation of certain facilities of the University. The bonds mature at various dates through 2049. Proceeds, including a bond premium of \$22.2 million, were used to pay for project construction and issuance costs and to repay of \$286.5 million outstanding General Revenue Bonds maturing on July 1, 2019. The tax-exempt bonds have a stated weighted average interest rate of 5.0 percent. The taxable bonds have a stated weighted average interest rate of 3.3 percent. The deferred premium will be amortized as a reduction to interest expense over the term of the bonds.

Subsequent Event

In July 2020, General Revenue Bonds totaling \$2.6 billion, including \$826.2 million in tax-exempt bonds and \$1.8 billion in taxable bonds, were issued for working capital purposes and to finance and refinance the acquisition, construction, improvement and renovation of certain facilities of the University. The bonds mature at various dates through 2050. Proceeds of \$1.5 billion of the taxable bonds will be used for operations. Proceeds of the tax-exempt bonds and the remaining proceeds of the taxable bonds, including a bond premium of \$190.3 million, were used to pay for project construction and issuance costs and to repay \$45.7 million of outstanding General Revenue Bonds in August 2020. The tax-exempt bonds have a stated weighted average interest rate of 4.2 percent. The taxable bonds have a stated weighted average interest rate of 1.5 percent. The deferred premium will be amortized as a reduction to interest expense over the term of the bonds.

Capital Leases

Capital leases entered into with other lessors, typically for equipment, totaled \$48.0 million and \$16.3 million for the years ended June 30, 2020 and 2019, respectively.

Other University Borrowings

Other University borrowings consist of contractual obligations resulting from the acquisition of land or buildings and the construction and renovation of certain facilities, along with the borrowing component associated with a hybrid derivative instrument.

The University may use uncollateralized revolving lines of credit with commercial banks for capital purposes and to provide interim financing for buildings and equipment. Lines of credit commitments for general corporate purposes, with various expiration dates through May 3, 2021, totaled \$400.0 million at June 30, 2020 and \$400.0 million at June 30, 2019. Outstanding borrowings under these bank lines totaled \$150.0 million and \$150.0 million at June 30, 2020 and 2019, respectively.

Certain of the interest rate swaps are considered hybrid instruments. As such, the interest rate swaps are comprised of a derivative instrument and a companion instrument recorded as a borrowing. The unamortized amount of the borrowing was \$81.7 million and \$80.0 million at June 30, 2020 and 2019, respectively.

In August 2016, the University entered into an agreement with a developer to design, construct, finance, operate and maintain certain auxiliary, administrative, academic and research facilities of one of its campuses through 2055. Construction of all of the facilities was completed in the summer of 2020. Payments under this agreement have two components: the first component of the agreement is related to the operations and maintenance of the facilities; the second component is to service the private debt incurred by the developer. The payments for servicing the private debt are being treated as capital leases and are recorded as other borrowings by the University. The operations and maintenance component of the payments will be expensed as incurred. In the event that the operations and maintenance agreement with the developer is terminated, the outstanding portion of the private debt incurred by the developer would become an obligation of the University. The outstanding amount of the borrowing was \$652.0 million and \$539.7 million at June 30, 2020 and 2019, respectively.

Blended Component Unit Revenue Bonds

Student Housing

The University has entered into ground leases with legally separate nonprofit corporations that develop and own student housing projects and related amenities and improvements on three University campuses through the use of project limited liability corporations (LLC). Each LLC, through a conduit issuer, has outstanding Student Housing LLC Revenue Bonds to finance the construction of the student housing facilities. Each LLC manages the premises. The University's reversionary interest in the land is not subordinated. All costs associated with the ownership, operation and management of the improvements are the obligation of each LLC. Student rental rates are established in order to provide for operating expenses and maintain the required debt service coverage ratios. The bonds generally have annual principal and semiannual interest payments, serial and term maturities, certain sinking fund requirements and optional redemption provisions. They are not collateralized by any encumbrance, mortgage or other pledge of property, except pledged revenues of the student housing projects, and do not constitute general obligations of The Regents.

In July 2019, one of the LLC's, through its conduit issuer, issued additional Student Housing LLC Revenue Bonds totaling \$175.1 million. The bonds mature at various dates through 2052 and have a stated weighted average interest rate of 5.0 percent. Proceeds, including a bond premium of \$35.4 million were used to pay for project construction and issuance costs. The deferred premium will be amortized as a reduction to interest expense over the term of the bonds.

In December 2018, two other LLCs, through a conduit issuer, issued additional Student Housing LLC Revenue Bonds totaling \$662.5 million. The bonds mature at various dates through 2052 and have a stated weighted average interest rate of 4.8 percent. Proceeds, including a bond premium of \$54.7 million, were used to pay for project construction and issuance costs. The deferred premium will be amortized as a reduction to interest expense over the term of the bonds.

At June 30, 2020 and 2019, the LLCs, through a conduit issuer, has outstanding Student Housing LLC Revenue Bonds totaling \$1.3 billion and \$1.2 billion, respectively. The bonds mature at various dates through 2052 and have a weighted average interest rate of 4.9 percent.

Research Facilities

The University has a public/private partnership, for the purpose of developing, constructing and managing a neuroscience research and laboratory building and a psychiatry youth and family center with a legally separate, nonprofit corporation (the Corporation). In connection with these facilities, the University entered into ground leases with the Corporation. The Corporation has entered into a sub-ground lease with a developer to construct, own and manage the facilities. The University agreed to lease all of the space in the building from the developer. The University's base rent payments are equal to the principal and interest payments on the bonds are issued by a conduit issuer and loaned to the nonprofit corporation to finance the construction of the building. As security on the bonds, the developer has assigned all payments received from the University for the space lease to the bond trustee.

At June 30, 2020 and 2019, the Corporation, through a conduit issuer, has outstanding tax-exempt revenue bonds totaling \$190.7 million and taxable revenue bonds totaling \$188.0 million. The tax-exempt revenue bonds mature at various dates from 2021 to 2052 and have a weighted average interest rate of 5.0 percent. The tax-exempt revenue bonds generally have annual serial maturities, semiannual interest payments and optional redemption provisions. The taxable bonds mature from 2026 to 2049 and have an interest rate of 6.5 percent. The taxable bonds were issued as Build America Bonds, under which the U.S. Treasury is expected to send the conduit issuer 35.0 percent of the semiannual interest cost on the taxable bonds, making the net interest rate 4.2 percent post-subsidy. The taxable bonds have a term maturity with various certain annual sinking fund requirements, semiannual interest payments and optional redemption provisions.

In addition, the University entered into a ground lease with another legally separate, nonprofit corporation (the Consortium). The Consortium entered into an agreement with a developer to develop and own a research laboratory facility designed to expand collaborative work in stem cell research and facilitate its translation into tools and techniques to diagnose and treat degenerative diseases and other ailments. The developer constructed the research laboratory facility. All costs associated with the ownership, operation and management of the laboratory research facility are the obligation of the Consortium. The University, along with the other collaborative research partners, will lease space in the building.

The Consortium, through a conduit issuer, has outstanding revenue bonds totaling \$49.3 million and \$50.7 million at June 30, 2020 and 2019, respectively. The bonds mature at various dates through 2040 and have a weighted average interest rate of 4.4 percent. The bonds generally have annual principal and semiannual interest payments, serial and term maturities, certain sinking fund requirements and optional redemption provisions. Lease payments from the occupants of the building are pledged as collateral on the bonds. To the extent the lease payments are not sufficient to pay the debt service, the University is obligated to pay the shortfall.

Future Debt Service and Hedging Derivative Interest Rate Swaps

Future debt service payments for the University's fixed- and variable-rate debt for each of the five fiscal years subsequent to June 30, 2020, and thereafter are as presented below. Although not a prediction by the University of the future interest cost of the variable-rate bonds, these amounts assume that current interest rates on variable-rate bonds will not change. As these rates vary, variable-rate bond interest payments will vary.

<i>(in thousands of dollars)</i>	COMMERCIAL PAPER	MEDICAL CENTER REVENUE BONDS	UNIVERSITY REVENUE BONDS	FINANCING OBLIGATIONS	OTHER UNIVERSITY BORROWINGS	BLENDED COMPONENT UNIT REVENUE BONDS	TOTAL PAYMENTS	PRINCIPAL	INTEREST
<i>Year Ending June 30</i>									
2021	\$1,328,894	\$259,744	\$1,332,610	\$50,553	\$268,119	\$108,892	\$3,348,812	\$2,313,687	\$1,035,125
2022		258,730	1,111,715	27,748	19,739	111,006	1,528,938	519,305	1,009,633
2023		258,102	1,108,952	23,424	19,870	117,715	1,528,063	539,191	988,872
2024		252,567	1,135,998	17,284	18,504	118,865	1,543,218	576,003	967,215
2025		251,913	1,137,854	12,899	18,126	120,148	1,540,940	597,191	943,749
2026 - 2030		1,208,538	6,442,768	40,423	93,029	612,156	8,396,914	4,160,423	4,236,491
2031 - 2035		1,167,522	5,083,366	34,801	96,187	612,090	6,993,966	3,605,514	3,388,452
2036 - 2040		1,208,205	4,471,752	38,005	110,286	581,431	6,409,679	3,933,044	2,476,635
2041 - 2045		1,216,023	3,155,756	13,983	95,716	448,139	4,929,617	3,394,136	1,535,481
2046 - 2050		1,391,676	1,684,798		84,788	429,676	3,590,938	2,685,813	905,125
2051 - 2055		193,970	548,469		102,429	97,002	941,870	374,344	567,526
2056 - 2120		2,011,049	5,241,255				7,252,304	2,573,076	4,679,228
Total future debt service	1,328,894	9,678,039	32,455,293	259,120	926,793	3,357,120	48,005,259	\$25,271,727	\$22,733,532
Less: Interest component of future payments	(1,894)	(5,225,484)	(15,809,363)	(72,693)	(13,385)	(1,610,714)	(22,733,532)		
Principal portion of future payments	1,327,000	4,452,555	16,645,930	186,427	913,408	1,746,406	25,271,727		
Adjusted by:									
Unamortized bond premium		125,237	1,080,904			174,880	1,381,021		
Total debt	\$1,327,000	\$4,577,792	\$17,726,834	\$186,427	\$913,408	\$1,921,286	\$26,652,748		

Long-term debt does not include \$1.5 billion of defeased liabilities at June 30, 2020. Investments that have maturities and interest rates sufficient to fund retirement of these liabilities are being held in irrevocable trusts for the debt service payments. Neither the assets of the trusts nor the outstanding obligations are included in the University's statement of net position.

General Revenue Bonds of \$750.0 million are variable-rate demand bonds which primarily reset daily and, in the event of a failed remarketing, can be put back to The Regents for tender. The University has classified these bonds as current liabilities as of June 30, 2020.

Medical Center Pooled Revenue Bonds of \$237.3 million are variable-rate demand bonds which give the debt holders the ability to tender the bonds back to the University upon demand. The University has classified these bonds as current liabilities as of June 30, 2020.

For the University's cash flow hedges, future debt service payments for the University's variable-rate debt and net receipts or payments on the associated hedging derivative instruments for each of the five fiscal years subsequent to June 30, 2020, and thereafter are as presented below. Although not a prediction by the University of the future interest cost of the variable-rate bonds or the impact of the interest rate swaps, using rates as of June 30, 2020, combined debt service requirements of the variable-rate debt and net swap payments are as follows:

	VARIABLE-RATE BONDS		INTEREST RATE SWAP, NET	TOTAL PAYMENTS
(in thousands of dollars)	PRINCIPAL	INTEREST		
Year Ending June 30				
2021	\$3,860	\$519	\$18,676	\$23,055
2022	3,995	530	18,556	23,081
2023	7,510	527	18,431	26,468
2024	7,815	525	18,823	27,163
2025	8,125	514	18,903	27,542
2026 - 2030	45,880	2,490	90,250	138,620
2031 - 2035	37,615	2,326	82,579	122,520
2036 - 2040	37,090	2,215	64,698	104,003
2041 - 2045	282,590	1,974	9,912	294,476
2046 - 2048	402,790	482	1,104	404,376
Total	\$837,270	\$12,102	\$341,932	\$1,191,304

14. DEFERRED OUTFLOWS AND INFLOWS OF RESOURCES

The University's composition of deferred outflows and inflows of resources at June 30 are summarized as follows:

<i>(in thousands of dollars)</i>	SERVICE CONCESSION ARRANGEMENTS	NET PENSION LIABILITY	NET RETIREE HEALTH BENEFITS LIABILITY	DEBT REFUNDING	INTEREST RATE SWAP AGREEMENTS	ROYALTY SALES	IRREVOCABLE SPLIT-INTEREST AGREEMENTS	ASSET RETIREMENT OBLIGATIONS	ACQUISITIONS	TOTAL
<i>At June 30, 2020</i>										
Deferred outflows of resources		\$6,969,977	\$7,012,719	\$285,541	\$259,944			\$87,599	\$6,354	\$14,622,134
Deferred inflows of resources	\$243,271	239,553	6,282,427	1,292		\$390,111	\$94,721			7,251,375
<i>At June 30, 2019</i>										
Deferred outflows of resources		\$6,271,978	\$3,908,951	\$316,136	\$130,161			\$73,996		\$10,701,222
Deferred inflows of resources	\$248,002	142,132	5,896,383	1,340		\$437,968	\$102,260			6,828,085

The campus foundations' deferred inflows of resources are primarily related to irrevocable split-interest agreements.

15. UNIVERSITY OF CALIFORNIA RETIREMENT PLANS

Most University employees participate in UCRS. UCRS consists of UCRP, a governmental defined benefit plan funded with University and employee contributions; UCRSP, which includes defined contribution plans with options to participate in internally or externally managed investment portfolios generally funded with employee nonelective and elective contributions and UC-VERIP, a defined benefit plan for University employees who were members of the California Public Employee's Retirement System (CalPERS) who elected early retirement. Other retirement plans include the Children's Hospital and Research Center at Oakland (CHRCO) Pension Plan, a defined benefit plan fully funded with CHRCO contributions and the Orange County Employee Retirement System (OCERS) retirement plan, a cost-sharing multiemployer defined benefit pension plan for former employees of an Orange County hospital center who chose to remain with OCERS at the time the hospital was acquired by the University. The Regents has the authority to establish and amend UCRS and administration authority with respect to the UCRS plans is vested with the President of the University as plan administrator. CHRCO administers the CHRCO Pension Plan as the Sponsor and plan assets are held by US Bank (the Trustee).

Condensed financial information related to each plan in UCRS and the changes in pension liability for UCRP, UC-VERIP and the CHRCO Pension Plan for the year ended June 30, 2020 is as follows:

<i>(in thousands of dollars)</i>	UNIVERSITY OF CALIFORNIA					
	UNIVERSITY OF CALIFORNIA RETIREMENT PLAN	UNIVERSITY OF CALIFORNIA UC-VERIP	SUBTOTAL	UNIVERSITY OF CALIFORNIA RETIREMENT SAVINGS PROGRAM	TOTAL	CHILDREN'S HOSPITAL & RESEARCH CENTER AT OAKLAND PENSION PLAN
CONDENSED STATEMENT OF PLAN FIDUCIARY NET POSITION						
Investments at fair value	\$71,727,610	\$62,607	\$71,790,217	\$25,488,065	\$97,278,282	\$501,482
Participants' interests in mutual funds				1,828,837	1,828,837	
Investment of cash collateral	4,618,841	4,036	4,622,877	2,965,803	7,588,680	
Other assets	2,256,036	1,510	2,257,546	569,957	2,827,503	
Total assets	78,602,487	68,153	78,670,640	30,852,662	109,523,302	501,482
Collateral held for securities lending	4,618,889	4,037	4,622,926	2,965,834	7,588,760	
Other liabilities	3,067,357	2,435	3,069,792	619,814	3,689,606	
Total liabilities	7,686,246	6,472	7,692,718	3,585,648	11,278,366	
Net position held in trust	\$70,916,241	\$61,681	\$70,977,922	\$27,267,014	\$98,244,936	\$501,482
CONDENSED STATEMENT OF CHANGES IN PLANS' FIDUCIARY NET POSITION						
Contributions	\$3,463,327		\$3,463,327	\$1,643,791	\$5,107,118	\$31,200
Net appreciation (depreciation) in fair value of investments	70,297	(\$3)	70,294	908,078	978,372	
Investment and other income, net	1,114,641	1,052	1,115,693	473,853	1,589,546	(7,468)
Total additions	4,648,265	1,049	4,649,314	3,025,722	7,675,036	23,732
Benefit payment and participant withdrawals	3,944,998	4,142	3,949,140	1,531,954	5,481,094	17,262
Other deductions	65,989	4	65,993	5,811	71,804	3,598
Total deductions	4,010,987	4,146	4,015,133	1,537,765	5,552,898	20,860
Change in net position held in trust	637,278	(3,097)	634,181	1,487,957	2,122,138	2,872
Net position held in trust						
Beginning of year	70,278,963	64,778	70,343,741	25,779,057	96,122,798	498,610
End of year	\$70,916,241	\$61,681	\$70,977,922	\$27,267,014	\$98,244,936	\$501,482
CHANGES IN TOTAL PENSION LIABILITY						
Service cost	\$2,466,497		\$2,466,497			\$12,648
Interest	5,981,599	\$1,656	5,983,255			36,005
Difference between expected and actual experience	(282,321)	(1,342)	(283,663)			23,581
Changes of assumptions or other inputs						28,609
Benefits paid, including refunds of employee contributions	(3,944,998)	(4,142)	(3,949,140)			(17,262)
Net change in total pension liability	4,220,777	(3,828)	4,216,949			83,581
Total pension liability						
Beginning of year	88,404,608	27,945	88,432,553			510,335
End of year	92,625,385	24,117	92,649,502			593,916
Net pension liability (asset), end of year	\$21,709,144	(\$37,564)	\$21,671,580			\$92,434

Additional information on the retirement plans can be obtained from the 2019-2020 annual reports of the University of California Retirement System which can be found at <http://reportingtransparency.universityofcalifornia.edu/>.

University of California Retirement Plan

UCRP provides lifetime retirement income, disability protection, death benefits, and postretirement and preretirement survivor benefits to eligible employees of the University, and its affiliates. Prior to July 1, 2016, membership in UCRP was required for all employees appointed to work at least 50 percent time for one year or more or for an indefinite period or for a definite period of a year or more. Effective July 1, 2016, certain employees were given a choice to participate in UCRP or select a defined contribution plan option. An employee may also become eligible by completing 1,000 hours within a 12-month period. Generally, five years of service are required for entitlement to UCRP plan benefits. The amount of pension benefit is determined under the basic formula of covered compensation times age factor times years of service credit. The maximum monthly benefit cannot exceed 100 percent of the employee's highest average plan compensation over a 36-month period, subject to certain limits imposed under the Internal Revenue Code or plan provisions. Annual cost-of-living adjustments (COLAs) are made to monthly benefits according to a specified formula based on the Consumer Price Index. Ad hoc COLAs may be granted subject to funding availability.

The University's membership in UCRP consisted of the following at June 30, 2020:

	CAMPUSES AND MEDICAL CENTERS	DOE NATIONAL LABORATORIES	UNIVERSITY OF CALIFORNIA
Retirees and beneficiaries receiving benefits	67,647	13,098	80,745
Inactive members entitled to, but not receiving benefits	90,464	8,692	99,156
Active members:			
Vested	78,786	1,769	80,555
Nonvested	53,643	755	54,398
Total active members	132,429	2,524	134,953
Total membership	290,540	24,314	314,854

Contributions

Contributions to UCRP are based upon rates determined by The Regents. The Regents' funding policy provides for contributions at rates to maintain UCRP on an actuarially sound basis. While the University's independent actuary annually determines the total funding policy contributions, the University is not required to contribute an amount equal to the total funding contribution. The actual contributions and the contribution rates of the University and employees are based on numerous factors, including the availability of funds to the University, the impact of employee contributions on the competitiveness of the University's total remuneration package, and collective bargaining agreements.

The Regents determines the portion of the total contribution to be made by the employer and by the employees, and employee contribution rates for represented employees are subject to collective bargaining. Effective July 1, 2014, employee contributions range from 7.0 percent to 9.0 percent. The University pays a uniform contribution rate of 14.0 percent of covered payroll on behalf of all UCRP members. The University contribution rate will be increased starting July 1, 2020 by 0.5 percent per year, on July 1st, for six years to 17.0 percent.

Employee contributions to UCRP are accounted for separately and currently accrue interest at 6.0 percent annually. Upon termination, members may elect a refund of their contributions plus accumulated interest; vested terminated members who are eligible to retire may also elect monthly retirement income or possibly a lump sum equal to the present value of their accrued benefits.

Both current employees and retirees at LBNL participate in UCRP. The University makes contributions to UCRP for LBNL employees based upon rates authorized by The Regents and is reimbursed by the DOE. The University also makes contributions to UCRP for LANL and LLNL retirees and terminated vested members whose benefits were retained in UCRP at the time the joint ventures were formed. The contributions for the LANL and LLNL are actuarially determined based upon a contractual arrangement with the DOE that incorporates a formula targeted to maintain the LANL and LLNL segments within UCRP at a 100-percent funded level. The University is reimbursed by the DOE for these contributions. To the extent the University has recorded a net pension liability (and related deferred inflows and outflows of resources) that will be reimbursed under DOE contracts, a receivable from the DOE is recorded. As of June 30, 2020 and 2019, the University reported \$1.0 billion and \$911.5 million, respectively, as other noncurrent Department of Energy receivables for pension liabilities. Contributions of \$137.7 million and \$225.6 million were deposited into UCRP on behalf of the DOE for the years ended June 30, 2020 and 2019, respectively.

Net Pension Liability

All UCRP assets are available to pay any member's benefit. However, assets and liabilities for the campus and medical center segment of UCRP are internally tracked separately from the DOE national laboratory segments of UCRP. The net pension liability for UCRP was as follows:

<i>(in thousands of dollars)</i>	CAMPUSES AND MEDICAL CENTERS	DOE NATIONAL LABORATORIES	UNIVERSITY OF CALIFORNIA
<i>At June 30, 2020</i>			
UCRP net position	\$62,117,363	\$8,798,878	\$70,916,241
Total pension liability	82,502,226	10,123,159	92,625,385
Net pension liability	\$20,384,863	\$1,324,281	\$21,709,144
<i>At June 30, 2019</i>			
UCRP net position	\$61,056,391	\$9,222,572	\$70,278,963
Total pension liability	78,279,508	10,125,100	88,404,608
Net pension liability	\$17,223,117	\$902,528	\$18,125,645

The net pension liability for UCRP was measured as of June 30 and was calculated using the plan net position valued as of the measurement date and total pension liability determined based upon rolling forward the total pension liability from the results of the actuarial valuations as of July 1, one year prior to the measurement date. Actuarial valuations represent a long-term perspective and involve estimates of the value of reported benefits and assumptions about the probability of occurrence of events far into the future. Actuarial assumptions are subject to periodic revisions as actual results are compared with past expectations and new estimates are made about the future. The actuarial assumptions used as of June 30, 2020 were based on the results of the most recent experience study covering the period of July 1, 2014 through June 30, 2018. The net pension liability for UCRP was calculated using the following methods and assumptions:

Inflation	2.5%
Investment rate of return	6.75
Projected salary increases	3.65 - 5.95
Cost-of-living adjustments	2.0

For preretirement mortality rates, the Pub-2010 Teacher Employee Amount-Weighted Above-Median Mortality Table was used. For postretirement, healthy mortality rates were based on the Pub-2010 Healthy Teacher Amount-Weighted Above-Median Mortality Table multiplied by 90 percent for male Faculty members, 95 percent for female Faculty members, 100 percent for other male members and 110 percent for other female members. For beneficiaries of retired members, rates were based on the Pub-2010 Contingent Survivor Amount-Weighted Above-Median Mortality Table multiplied by 100 percent for males and 90 percent for females. For disabled members, rates were based on the Pub-2010 Non-Safety Disabled Retiree Amount-Weighted Mortality Table. All mortality tables above were projected generationally with the two-dimensional mortality improvement scale MP-2018.

The long-term expected investment rate of return assumption for UCRP was determined using a building-block method in which expected future real rates of return (expected returns, net of inflation) are developed for each major asset class. These returns are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage, adding expected inflation and subtracting expected expenses and a risk margin. The target allocation and projected arithmetic real rates of return for each major asset class, after deducting inflation, but before deducting investment expenses, used in the derivation of the long-term expected investment rate of return assumption are summarized in the following table:

	TARGET ALLOCATION	LONG-TERM EXPECTED REAL RATE OF RETURN
<i>Asset class:</i>		
U.S. equity	27.6%	5.6%
Developed international equity	16.8	6.5
Emerging market equity	5.6	8.6
Core bonds	13.0	1.5
High-yield bonds	2.5	3.7
Treasury Inflation-Protected Securities	2.0	1.2
Emerging market debt	2.5	3.9
Private equity	10.0	9.2
Real estate	7.0	6.6
Absolute return	10.0	3.3
Real assets	3.0	5.6
Total	100.0%	5.4%

Discount Rate

The discount rate used to estimate the net pension liability as of June 30, 2020 and 2019 was 6.75 percent. To calculate the discount rate, cash flows into and out of UCRP were projected in order to determine whether UCRP has sufficient cash in future periods for projected benefit payments for current members. For this purpose, University, state and member contributions that are intended to fund benefits of current plan members and their beneficiaries are included. Projected University contributions that are intended to fund the service costs of future plan members and their beneficiaries, as well as projected contributions of future plan members, are not included. UCRP was projected to have assets sufficient to make projected benefit payments for current members for all future years as of June 30, 2020 and 2019.

Sensitivity of the Net Pension Liability to the Discount Rate Assumption

The following presents the June 30, 2020 net pension liability of the University calculated using the June 30, 2020 discount rate assumption of 6.75 percent, as well as what the net pension liability would be if it were calculated using a discount rate different than the current assumption:

<i>(in thousands of dollars)</i>	1% DECREASE (5.75%)	CURRENT DISCOUNT (6.75%)	1% INCREASE (7.75%)
UCRP	\$34,168,932	\$21,709,144	\$11,433,511
UC-VERIP	(36,368)	(37,564)	(38,648)

Deferred Outflows of Resources and Deferred Inflows of Resources

Deferred outflows of resources and deferred inflows of resources for pensions were related to the following sources:

<i>(in thousands of dollars)</i>	CAMPUSES AND MEDICAL CENTERS	DOE NATIONAL LABORATORIES	TOTAL UCRP	UC-VERIP	TOTAL
<i>At June 30, 2020</i>					
DEFERRED OUTFLOWS OF RESOURCES					
Difference between expected and actual experience	\$309,593		\$309,593		\$309,593
Changes of assumptions or other inputs	4,186,582		4,186,582		4,186,582
Net difference between projected and actual earnings on pension plan investments	2,087,946	\$295,167	2,383,113	\$1,997	2,385,110
Total	\$6,584,121	\$295,167	\$6,879,288	\$1,997	\$6,881,285
DEFERRED INFLOWS OF RESOURCES					
Difference between expected and actual experience	\$230,127		\$230,127		\$230,127
Total	\$230,127		\$230,127		\$230,127

<i>(in thousands of dollars)</i>	CAMPUSES AND MEDICAL CENTERS	DOE NATIONAL LABORATORIES	TOTAL UCRP	UC-VERIP	TOTAL
<i>At June 30, 2019</i>					
DEFERRED OUTFLOWS OF RESOURCES					
Difference between expected and actual experience	\$451,810		\$451,810		\$451,810
Changes of assumptions or other inputs	5,796,896		5,796,896		5,796,896
Total	\$6,248,706		\$6,248,706		\$6,248,706
DEFERRED INFLOWS OF RESOURCES					
Difference between expected and actual experience	\$7,617		\$7,617		\$7,617
Net difference between projected and actual earnings on pension plan investments	114,396	\$8,955	123,351	\$109	123,460
Total	\$122,013	\$8,955	\$130,968	\$109	\$131,077

The net amount of deferred outflows of resources and deferred inflows of resources as of June 30, 2020 related to pensions that will be recognized in pension expense during the next four years are as follows:

<i>(in thousands of dollars)</i>	CAMPUSES AND MEDICAL CENTERS	DOE NATIONAL LABORATORIES	TOTAL UCRP	UC-VERIP	TOTAL
2021	\$1,574,197	(\$7,016)	\$1,567,181	(\$148)	\$1,567,033
2022	2,217,204	99,971	2,317,175	701	2,317,876
2023	1,998,553	112,380	2,110,933	808	2,111,741
2024	564,040	89,832	653,872	636	654,508
Total	\$6,353,994	\$295,167	\$6,649,161	\$1,997	\$6,651,158

Defined Contribution Plan (DC Plan)

Effective July 1, 2016, newly hired (or becoming eligible) employees can elect a defined contribution option instead of participating in UCRP. For employees who elect this option, both the University and the participants make mandatory contributions, on a pretax basis, on eligible pay up to the IRC compensation limit. The participant contributes 7.0 percent and the University contributes 8.0 percent. University contributions are fully vested after one year of service. For employees who elect to participate in UCRP and who are subject to the California Public Employees' Pension Reform Act (PEPRA) maximum, both the University and the participants make mandatory DC Plan retirement contributions on a pretax basis. For designated faculty, the University contributes 5.0 percent to the DC Plan on all eligible pay up to the IRC compensation limit. For staff, the University contributes 3.0 percent to the DC Plan on eligible pay above the PEPRA maximum up to the IRC compensation limit. Both designated faculty and staff contribute 7.0 percent on eligible pay above the PEPRA maximum up to the IRC compensation limit. The University may also contribute on behalf of eligible senior managers. Employer contributions to the DC Plan were \$76.3 million and \$48.5 million for the years ended June 30, 2020 and 2019, respectively.

The DC Plan Pretax Account also includes mandatory contributions from part-time, seasonal and temporary employees at the University who are not currently participating in UCRP or another defined benefit plan to which the University contributes (Safe Harbor participants). Safe Harbor participation includes certain University student employees and resident aliens with F-1 and J-1 visa status. Safe Harbor participants contribute 7.5 percent of their gross salary (up to the Social Security wage base) to the DC Plan in lieu of deductions for Social Security taxes.

All University employees, except students who normally work fewer than 20 hours per week, are eligible to make voluntary contributions to the DC Plan After-Tax Account and defer taxation on the earnings until the accumulations are withdrawn. The maximum amount participants may contribute annually to the After-Tax Account is determined by the IRC §415(c) limit. The University may also make DC Plan contributions on behalf of eligible senior managers.

The Supplemental Defined Contribution Plan (SDC Plan) accepts employer contributions in behalf of certain designated employees. Employer contributions are fully vested and there is no provision for employee contributions. There were no participants, assets or employer contributions to the SDC Plan for the years ended June 30, 2020 and 2019.

Pursuant to the March 27, 2020 adoption of the CARES Act, on May 20, 2020 The Regents approved an amendment to the DC Plan permitting qualified participants to request coronavirus-related in-service distributions, subject to restrictions defined under the CARES Act. The provisions of the CARES Act amendment are effective through December 31, 2020.

Tax Deferred 403(b) Plan

The University's Tax-Deferred 403(b) Plan (403(b) Plan) accepts pretax employee contributions.

The University also makes 403(b) Plan retirement contributions on the summer or equivalent term salaries of eligible academic employees who teach, conduct research or provide administrative service during the summer session or an equivalent term. To be eligible, employees must hold academic year appointments and be active members of UCRP or another defined benefit plan to which the University contributes, be a Savings Choice participant, or be eligible for a primary retirement benefit option under the Retirement Choice Program even if not yet participating. The contribution rate is 7.0 percent of eligible salary, of which 3.5 percent is University-paid and 3.5 percent is employee-paid, both on a pretax basis. The University may also make contributions on behalf of eligible senior managers. Employer contributions to the 403(b) Plan were \$9.1 million and \$8.0 million for the years ended June 30, 2020 and 2019.

Pursuant to the March 27, 2020 adoption of the CARES Act, on May 20, 2020 The Regents approved amendments to the 403(b) Plan permitting qualified participants to request coronavirus-related loans, subject to restrictions defined under the CARES Act, and allow active participants with an outstanding plan loan a grace period of one year during which the participant may suspend any loan repayments that otherwise would have been owed. The provisions of the CARES Act amendments are effective through December 31, 2020.

457(b) Deferred Compensation Plan

The University's 457(b) Deferred Compensation Plan (457(b) Plan) accepts pretax employee contributions. There were no employer contributions to the 457(b) Plan for the years ended June 30, 2020 and 2019.

Participants in the DC Plan, the SDC Plan, the 403(b) Plan and the 457(b) Plan may direct their elective and nonelective contributions to investment funds managed by the Chief Investment Officer. They may also invest account balances in certain mutual funds. The participants' interests in mutual funds is shown separately in the statement of plans' fiduciary net position.

Pursuant to the March 27, 2020 adoption of the CARES Act, on May 20, 2020 The Regents approved an amendment to the 457(b) Plan permitting qualified participants to request coronavirus-related in-service distributions, subject to restrictions defined under the CARES Act. The provisions of the CARES Act amendment are effective through December 31, 2020.

University of California Voluntary Early Retirement Incentive Program

UC-VERIP is a defined benefit pension plan providing lifetime supplemental retirement income and survivor benefits to UC-VERIP members who elected early retirement under CalPERS. As of July 1, 2020, there are 422 retirees or beneficiaries receiving benefits under this voluntary early retirement program.

The University and the DOE laboratories previously made contributions to the UC-VERIP, sufficient to maintain the promised benefits. The actuarially determined contributions are zero for the years ended June 30, 2020 and 2019.

Children's Hospital and Research Center at Oakland Pension Plan

CHRCO has a noncontributory defined benefit plan subject to the single employer defined benefit under ERISA rules that covers active and retired employees. The CHRCO Pension Plan was amended effective January 1, 2012 to exclude unrepresented employees hired or rehired on or after January 1, 2012. The CHRCO Pension Plan provides retirement, disability and death benefits to plan participants. Benefits are based on a participant's length of service, age at retirement and average compensation as defined by the CHRCO Pension Plan.

The net pension liability for the CHRCO Pension Plan was calculated based upon the following assumptions as of June 30, 2020: 2.8 percent inflation, 6.5 percent investment rate of return, Represented employees: 4.0 percent for 2020 through 2022, 3.75 percent from 2023 and after; Unrepresented employees: 2.0 percent for 2021, 3.0 percent for 2022 and 3.75 percent for 2023 and after projected salary increases and no cost-of-living adjustments. CHRCO recognized pension expense of \$43.3 million at June 30, 2020 and \$27.1 million at June 30, 2019.

The actuarial assumptions used in the June 30, 2020 and 2019 valuations were based on the results of an experience review conducted during 2019. In 2020, the mortality rates were based on the Pri-2012 Mortality Table with fully generational projected mortality improvements using Scale MP-2019. In 2019, the mortality rates used on the valuation were based on the RP-2014 mortality (base year 2006) with fully generational projected mortality improvements using projection scale MP-2018.

Additional information on the CHRCO Pension Plan can be found in the annual reports, which can be obtained by writing to Children's Hospital Oakland, Finance Department, 747 52nd Street, Oakland, California 94609.

Membership in the CHRCO Pension Plan consisted of the following at June 30, 2020:

Retirees and beneficiaries receiving benefits	1,116
Inactive members entitled to, but not yet receiving benefits	1,140
Active members	2,013
Total membership	4,269

Contributions

Employer contributions are determined under IRC Section 430. Employees are not required or permitted to contribute to the CHRCO Pension Plan.

Net Pension Liability

The net pension liability for CHRCO was measured as of June 30 and the total pension liability was determined by an actuarial valuation as of January 1, rolled forward to June 30. The target allocation and projected arithmetic real rates of return, after deducting inflation, but before investment expenses, used in the derivation of the long-term expected investment rate of return assumption for each major asset class for the CHRCO Pension Plan are as follows:

	PORTFOLIO PERCENTAGE	LONG-TERM EXPECTED REAL RATE OF RETURN
Asset class		
Domestic equity	50.0%	4.2%
Developed international equity	15.0	4.3
Emerging market equity	2.5	5.6
Core fixed income	32.5	1.1
Total	100.0%	

Discount Rate

The discount rate used to estimate the net pension liability was 6.5 percent and 7.0 percent for June 30, 2020 and 2019, respectively. The projection of cash flows used to determine the discount rate assumes that CHRCO will make contributions to the CHRCO Pension Plan under IRC Section 430's minimum requirements for a period of thirteen years, and that all future assumptions are met. Based on these assumptions, the pension plan's fiduciary net position is projected to be available to make all projected future benefit payments for current active and inactive employees.

Sensitivity of the Net Pension Liability to the Discount Rate Assumption

The following presents the June 30, 2020 net pension liability calculated using the June 30, 2020 discount rate assumption of 6.5 percent, as well as what the net pension liability would be if it were calculated using a discount rate different than the current assumption:

<i>(in thousands of dollars)</i>	1% DECREASE (5.5%)	CURRENT DIS- COUNT (6.5%)	1% INCREASE (7.5%)
Net pension liability	\$176,527	\$92,434	\$23,163

Deferred Outflows of Resources and Deferred Inflows of Resources

As of June 30, deferred outflows of resources and deferred inflows of resources were as follows:

<i>(in thousands of dollars)</i>	2020	2019
DEFERRED OUTFLOWS OF RESOURCES		
Difference between expected and actual experience	\$25,865	\$8,106
Changes of benefit terms	58	94
Changes of assumptions	27,536	9,550
Net difference between projected and actual earnings on pension plan investments	33,625	2,506
Total	\$87,084	\$20,256
DEFERRED INFLOWS OF RESOURCES		
Difference between expected and actual experience	\$389	\$1,050
Changes of assumptions	6,446	7,993
Total	\$6,835	\$9,043

The net amount of deferred outflows of resources and deferred inflows of resources related to pensions that will be recognized in pension expense during the next five years is as follows:

<i>(in thousands of dollars)</i>	
<i>Year Ending June 30</i>	
2021	\$17,684
2022	17,689
2023	17,963
2024	16,091
2025	7,958
Thereafter	2,864
Total	\$80,249

Orange County Employees Retirement System (OCERS)

OCERS administers a cost-sharing, multiemployer defined benefit pension plan for the County of Orange, City of San Juan Capistrano and thirteen special districts. Certain employees of one of the University's medical centers were eligible to continue to participate in OCERS at the time the county hospital was acquired by the University.

OCERS provides retirement, disability and death benefits. Retirement benefits are tiered based upon date of OCERS membership. Participation in OCERS for the University's employees is closed. The University's share of net pension liability, deferred inflows of resources, deferred outflows of resources and pension expense have been determined based upon its specific actuarial accrued liability and a share of assets allocated in accordance with a formula set forth in OCERS' policy. The fiduciary net position and changes in net position have been measured consistent with the accounting policies used by OCERS. Pursuant to an agreement between the University and the County of Orange (OC), the University and OC will equally split the contributions and net pension liability. The amounts reported in the financial statements reflect the University's share of the net pension liability, deferred inflows and outflows and pension expense.

Additional information on OCERS can be obtained from the 2019-2020 annual reports of the Orange County Employees Retirement System at <http://www.ocers.org>.

Membership in OCERS consisted of the following at December 31, 2019: 18,420 retired members and beneficiaries, 6,520 inactive members and 22,257 active members.

Contributions

Contribution rates are set by the OCERS Board of Retirement.

Net Pension Liability

The University's proportionate share of the OCERS net pension liability was \$15.1 million and \$17.4 million as of June 30, 2020 and 2019, respectively. The net pension liability for OCERS was measured as of June 30, 2020 and 2019, and the total pension liability was determined by an actuarial valuation as of December 31, 2019 and 2018 rolled forward to June 30, 2020 and 2019, respectively. The actuarial assumptions used in 2020 and 2019 were based on the results of an experience study for the period from January 1, 2014 through December 31, 2016.

The net pension liability for OCERS was calculated based upon the following assumptions as of June 30, 2020 and 2019: 2.8 percent inflation, 7.0 percent investment rate of return, 4.25-12.25 percent projected salary increases for general members and 3.0 percent cost-of-living adjustments.

The target allocation and projected arithmetic real rates of return, after deducting inflation, but before investment expenses, used in the derivation of the long-term expected investment rate of return assumption for each major asset class for OCERS are as follows:

	ORANGE COUNTY EMPLOYEES RETIREMENT SYSTEM	
	TARGET ALLOCATION	LONG-TERM EXPECTED REAL RATE OF RETURN
<i>Asset class:</i>		
Global equity	35.0%	6.4%
Core bonds	13.0	1.0
High-yield bonds	4.0	3.5
Bank loan	2.0	2.9
Treasury Inflation-Protected Securities	4.0	1.0
Emerging market debt	4.0	3.8
Real estate	10.0	4.3
Core infrastructure	2.0	5.5
Natural resources	10.0	7.9
Risk mitigation	5.0	4.7
Mezzanine/distressed debts	3.0	6.5
Private equity	8.0	9.5
Total	100.0%	

Discount Rate

The discount rate used to estimate the net pension liability was 7.0 percent for June 30, 2020 and 2019. The projection of cash flows used to determine the discount rate assumed plan member contributions will be made at the current contribution rate and that employer contributions will be made at rates equal to the actuarially determined contribution rate. For this purpose, only employer contributions will be made at rates equal to the actuarially determined contribution rates.

Sensitivity of the Net Pension Liability to the Discount Rate Assumption

The following presents the current-period net pension liability calculated using the June 30, 2020 discount rate assumption of 7.0 percent, as well as what the net pension liability would be if it were calculated using a discount rate different than the current assumption:

	ORANGE COUNTY EMPLOYEES RETIREMENT SYSTEM		
	1% DECREASE (6.0%)	CURRENT DISCOUNT RATE (7.0%)	1% INCREASE (8.0%)
<i>(in thousands of dollars)</i>			
Net pension liability	\$22,793	\$15,107	\$8,855

Deferred Outflows of Resources and Deferred Inflows of Resources

As of June 30, deferred outflows of resources and deferred inflows of resources were as follows:

<i>(in thousands of dollars)</i>	2020	2019
DEFERRED OUTFLOWS OF RESOURCES		
Changes of assumptions or other inputs	\$713	\$949
Difference between expected and actual experience	895	542
Net difference between projected and actual earnings on pension plan investments		1,525
Total	\$1,608	\$3,016
DEFERRED INFLOWS OF RESOURCES		
Difference between expected and actual experience	\$1,216	\$1,751
Changes of assumptions or other inputs	40	261
Net difference between projected and actual earnings on pension plan investments	1,335	
Total	\$2,591	\$2,012

The net amount of deferred outflows of resources and deferred inflows of resources related to pensions that will be recognized in pension expense during the next five years is as follows:

<i>(in thousands of dollars)</i>	
<i>Year Ending June 30</i>	
2021	(\$504)
2022	(368)
2023	192
2024	(397)
2025	93
Total	(\$984)

16. RETIREE HEALTH BENEFIT COSTS AND OBLIGATIONS

The University administers single-employer health and welfare plans to provide health and welfare benefits, primarily medical, dental and vision, to eligible retirees (and their eligible family members) of the University of California and its affiliates through the University of California Retiree Health Benefit Program. The Regents has the authority to establish and amend the program. While retiree health benefits are not a legal obligation of the University and can be canceled or modified at any time, accounting standards require the University to recognize a net retiree health benefits liability based on the current practices of providing retiree health benefits.

The University established the University of California Retiree Health Benefit Trust (UCRHBT or Trust) in order to allow certain University locations and affiliates (primarily campuses and medical centers) that share the risks, rewards, and costs of providing for retiree health benefits to fund such benefits on a cost-sharing basis and accumulate funds on a tax-exempt basis under an arrangement segregated from University assets. Campus and medical center contributions toward retiree health benefits are made to the Trust at rates determined by the University. The University receives retiree health contributions from retirees that are deducted from their UCRP benefit payments or are received from the retiree through direct pay. The University acts as a third-party administrator on behalf of the Trust and pays health care insurers and administrators amounts currently due under the Retiree Health Benefit Program for retirees. The Trust reimburses the University for these amounts.

LBNL participates in the University's Retiree Health Benefits Program. LBNL does not participate in UCRHBT; therefore, the DOE has no interest in the Trust's assets. The University directly pays health care insurers and administrators amounts currently due under the University's retiree health benefit plans for retirees who previously worked at LBNL, and is reimbursed by the DOE. To the extent the University has recorded a net retiree health benefits liability (and related deferred inflows and outflows of resources) that will be reimbursed under DOE contracts, a receivable from the DOE is recorded. The University recorded receivables from the DOE of \$691.0 million and \$667.6 million for 2020 and 2019, respectively, representing the DOE's share of the net retiree health benefits liability.

Condensed financial information for the changes in retiree health benefits liability for the year ended June 30, 2020 is as follows:

<i>(in thousands of dollars)</i>	CAMPUSES AND MEDICAL CENTERS	LBNL	UNIVERSITY OF CALIFORNIA
Contributions	\$527,421	\$21,354	\$548,775
Investment income, net	2,281		2,281
Total additions	529,702	21,354	551,056
Insurance premiums, net	(525,262)	(21,354)	(546,616)
Other deductions	(4,531)		(4,531)
Total deductions	(529,793)	(\$21,354)	(551,147)
Increase in net position held in UCRHBT	(91)		(91)
Net position held in UCRHBT, beginning of year	156,909		156,909
Net position held in UCRHBT, end of year	\$156,818		\$156,818

<i>(in thousands of dollars)</i>	CAMPUSES AND MEDICAL CENTERS	LBNL	UNIVERSITY OF CALIFORNIA
CHANGES IN TOTAL RETIREE HEALTH BENEFITS LIABILITY			
Service cost	\$893,557	\$18,510	\$912,067
Interest	702,640	21,944	724,584
Difference between expected and actual experience	(1,474,623)	(64,516)	(1,539,139)
Changes of assumptions and other inputs	4,222,620	131,413	4,354,033
Benefits paid	(525,262)	(21,354)	(546,616)
Retiree contributions	83,111	3,055	86,166
Net change in total retiree health benefits liability	3,902,043	89,052	3,991,095
Total retiree health benefits liability			
Beginning of year	19,401,053	617,542	20,018,595
End of year	23,303,096	706,594	24,009,690
Net retiree health benefits liability, end of year	\$23,146,278	\$706,594	\$23,852,872

Benefits

Retirees are eligible for medical and dental benefits. The costs of the medical and dental benefits are shared between the University and the retiree. The University does not contribute toward the cost of other benefits available to retirees. Retirees employed by the University prior to 1990 and not rehired after that date are eligible for the University's maximum contribution if they retire before age 55 and have at least 10 years of service, or if they retire at age 55 or later and have at least five years of service. Retirees employed by the University after 1989 and prior to July 1, 2013 become eligible for a percentage of the University's contribution starting at 50 percent of the maximum University contribution with 10 years of service or if age plus years of service equal at least 75 and increasing to 100 percent after 20 years of service. Retirees who are employed by the University after July 1, 2013, and retire at the age of 56 or older, become eligible for a percentage of the University's contribution based on age and years of service. Retirees are eligible for the maximum University contribution at age 65 with 20 or more years of service. Retirees pay the excess, if any, of the premium over the applicable portion of the University's contribution.

Membership in a defined benefit plan to which the University contributes or participation in the DC Plan as a result of a Savings Choice election is required to become eligible for retiree health benefits. Participation in the Retiree Health Benefit Program plans consisted of the following at June 30, 2020:

	CAMPUSES AND MEDICAL CENTERS	LBNL	UNIVERSITY OF CALIFORNIA
Retirees and beneficiaries receiving benefits	44,944	1,861	46,805
Active members entitled to, but not yet receiving benefits	134,808	2,380	137,188
Total membership	179,752	4,241	183,993

Contributions

The University does not pre-fund retiree health benefits and instead provides for benefits based upon projected pay-as-you-go financing. University and retiree contributions toward premiums made under purchased plan arrangements are determined by applying the health plan contract rates across the number of participants in the respective plans. Premium rates for the self-insured plan contributions are set by the University based upon a trend analysis of the historic cost, utilization, demographics and administrative expenses to provide for the claims incurred and the actuarially determined level of incurred but not reported liability. The assessment rates were \$2.60 and \$2.70 per \$100 of UCRP covered payroll effective July 1, 2019 and 2018, respectively.

In addition to the explicit University contribution provided to retirees, there is an "implicit subsidy." The gross premiums for members that are not currently eligible for Medicare benefits are the same for active employees and retirees, based on a blend of their health costs. Retirees, on average, are expected to have higher health care costs than active employees. This is primarily due to the older average age of retirees. Since the same gross premiums apply to both groups, the premiums paid for active employees by the University are subsidizing the premiums for retirees. This effect is called the implicit subsidy. The implicit subsidy associated with retiree health costs paid during the past year is also considered to be a contribution from the University.

Net Retiree Health Benefits Liability

The University's net retiree health benefits liability was measured as of June 30 based on rolling forward the results of the actuarial valuations as of July 1, one year prior to the measurement date. Actuarial valuations represent a long-term perspective and involve estimates of the value of reported benefits and assumptions about the probability of occurrence of events far into the future. Significant actuarial methods and assumptions used to calculate the University's net retiree health benefits liability were:

<i>(shown as percentage)</i>	2020	2019
Discount rate	2.21%	3.5%
Inflation	2.5	2.5
Investment rate of return	2.5	2.5
Projected salary increases	3.65 - 5.95	3.65 - 5.95
Health care cost trend rates	Initially ranges from 2.7 to 9.0 decreasing to an ultimate rate of 4.0 for 2076 and later years.	Initially ranges from 4.4 to 9.4 decreasing to an ultimate rate of 4.0 for 2077 and later years.

Actuarial assumptions are subject to periodic revisions as actual results are compared with past expectations and new estimates are made about the future. The actuarial assumptions used as of June 30, 2020 and 2019 were based upon the results of the most recent experience study covering the period of July 1, 2014 through June 30, 2018. For preretirement mortality rates, the Pub-2010 Teacher Employee Headcount-Weighted Above-Median Mortality Table were used. For postretirement, healthy mortality rates were based on the Pub-2010 Healthy Teacher Retiree Headcount-Weighted Above-Median Mortality Table and multiplied by 90 percent for faculty members or 115 percent and 110 percent for other male and female members, respectively. For beneficiaries of retired members, rates were based on the Pub-2010 Contingent Survivor Headcount-Weighted Above-Median Mortality Table. For disabled members, rates were based on the Pub-2010 Non-Safety Disabled Retiree-Headcount Weighted Mortality Table. All mortality rates are projected generationally with the two-dimensional mortality improvement scale MP-2018.

Sensitivity of Net Retiree Health Benefits Liability to the Health Care Cost Trend Rate

The following presents the June 30, 2020 net retiree health benefits liability of the University calculated using the June 30, 2020 health care cost trend rate assumption with initial trend ranging from 2.7 percent to 9.0 percent grading down to an ultimate trend of 4.0 percent over 56 years, as well as what the net retiree health benefits liability would be if it were calculated using a health care cost trend rate different than the current assumption:

<i>(in thousands of dollars)</i>	1% DECREASE (1.7% to 8.0%) DECREASING TO (3.0%)	CURRENT TREND (2.7% to 9.0%) DECREASING TO (4.0%)	1% INCREASE (3.7% to 10.0%) DECREASING TO (5.0%)
Net retiree health benefits liability	\$19,341,499	\$23,852,872	\$29,944,364

Discount Rate

The discount rate used to estimate the net retiree health benefits liability as of June 30, 2020 and 2019 was 2.21 percent and 3.5 percent, respectively. The discount rate was based on the Bond Buyer 20-year tax-exempt general obligations municipal bond index rate since UCHRBT assets are not sufficient to make benefit payments.

Sensitivity of Net Retiree Health Benefits Liability to the Discount Rate Assumption

The following presents the June 30, 2020 net retiree health benefits liability of the University calculated using the June 30, 2020 discount rate assumption of 2.21 percent, as well as what the net retiree health benefits liability would be if it were calculated using a discount rate different than the current assumption:

<i>(in thousands of dollars)</i>	1% DECREASE (1.21%)	CURRENT DISCOUNT (2.21%)	1% INCREASE (3.21%)
Net retiree health benefits liability	\$28,898,159	\$23,852,872	\$19,928,906

Deferred Outflows of Resources and Deferred Inflows of Resources

Deferred outflows of resources and deferred inflows of resources for retiree health benefits were related to the following sources:

<i>(in thousands of dollars)</i>			
2020	CAMPUSES AND MEDICAL CENTERS	LBNL	UNIVERSITY OF CALIFORNIA
DEFERRED OUTFLOWS OF RESOURCES			
Difference between expected and actual experience	\$54,286	\$2,258	\$56,544
Changes of assumptions or other inputs	6,779,937	173,090	6,953,027
Net difference between projected and actual earnings on plan investments	3,148		3,148
Total	\$6,837,371	\$175,348	\$7,012,719
DEFERRED INFLOWS OF RESOURCES			
Difference between expected and actual experience	\$3,785,361	\$114,261	\$3,899,622
Changes of assumptions or other inputs	2,337,297	45,508	2,382,805
Total	\$6,122,658	\$159,769	\$6,282,427

<i>(in thousands of dollars)</i>			
2019	CAMPUSES AND MEDICAL CENTERS	LBNL	UNIVERSITY OF CALIFORNIA
DEFERRED OUTFLOWS OF RESOURCES			
Difference between expected and actual experience	\$64,528	\$3,200	\$67,728
Changes of assumptions or other inputs	3,743,309	94,691	3,838,000
Net difference between projected and actual earnings on plan investments	3,223		3,223
Total	\$3,811,060	\$97,891	\$3,908,951
DEFERRED INFLOWS OF RESOURCES			
Difference between expected and actual experience	\$2,969,290	\$83,537	\$3,052,827
Changes of assumptions or other inputs	2,779,110	64,446	2,843,556
Total	\$5,748,400	\$147,983	\$5,896,383

The net amount of deferred outflows of resources and deferred inflows of resources as of June 30, 2020 related to retiree health benefits that will be recognized in retiree health benefit expense during the next five years and thereafter are as follows:

<i>(in thousands of dollars)</i>	CAMPUSES AND MEDICAL CENTERS	LBNL	UNIVERSITY OF CALIFORNIA
2021	\$97,216	\$1,226	\$98,442
2022	96,800	(3,635)	93,165
2023	96,415	(563)	95,852
2024	(21,956)	10,334	(11,622)
2025	(196,568)	8,217	(188,351)
Thereafter	642,806		642,806
Total	\$714,713	\$15,579	\$730,292

17. ENDOWMENTS AND GIFTS

Endowments and gifts are held and administered either by the University or by the campus foundations.

University of California

The value of endowments and gifts held and administered by the University, exclusive of income distributed to be used for operating purposes, at June 30, 2020 and 2019 is as follows:

<i>(in thousands of dollars)</i>	UNIVERSITY OF CALIFORNIA			
	RESTRICTED NONEXPENDABLE	RESTRICTED EXPENDABLE	UNRESTRICTED	TOTAL
<i>At June 30, 2020</i>				
Endowments	\$1,216,561	\$3,385,307	\$6,555	\$4,608,423
Funds functioning as endowments		2,846,964	5,424,945	8,271,909
Gifts		2,097,673	12,348	2,110,021
University endowments and gifts	\$1,216,561	\$8,329,944	\$5,443,848	\$14,990,353
<i>At June 30, 2019</i>				
Endowments	\$1,176,981	\$3,308,042	\$6,291	\$4,491,314
Funds functioning as endowments		2,802,208	5,170,260	7,972,468
Gifts		1,819,515	15,244	1,834,759
University endowments and gifts	\$1,176,981	\$7,929,765	\$5,191,795	\$14,298,541

The University's endowment income distribution policies are designed to preserve the value of the endowment in real terms (after inflation) and to generate a predictable stream of spendable income. Endowment investments are managed to achieve the maximum long-term total return. As a result of this emphasis on total return, the proportion of the annual income distribution provided by dividend and interest income and by capital gains may vary significantly from year to year. The University's policy is to retain the realized and unrealized appreciation with the endowment after the annual income distribution has been made. The net appreciation available to meet future spending needs is subject to the approval of The Regents and amounted to \$2.8 billion and \$2.7 billion at June 30, 2020 and 2019, respectively.

The portion of investment returns earned on endowments held by the University and distributed at the end of each year to support current operations for the following year is based upon a rate that is approved by The Regents. The annual income distribution transferred to the campuses from endowments held by the University was \$372.8 million and \$352.7 million for the years ended June 30, 2020 and 2019, respectively. The portion of this annual income distribution from accumulated capital gains, in addition to the dividend and interest income earned during the year, was \$0.4 million and \$350.0 million for the years ended June 30, 2020 and 2019, respectively. Accumulated endowment income available for spending in the future, including the annual income distribution, was \$0.8 million and \$729.9 million at June 30, 2020 and 2019, respectively.

Campus Foundations

The value of endowments and gifts held by the campus foundations and administered by each of their independent Board of Trustees at June 30 are as follows:

<i>(in thousands of dollars)</i>	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS			
	RESTRICTED NONEXPENDABLE	RESTRICTED EXPENDABLE	UNRESTRICTED	TOTAL
<i>At June 30, 2020</i>				
Endowments	\$5,326,577	\$1,411,207		\$6,737,784
Funds functioning as endowments		2,107,090		2,107,090
Gifts		1,587,487	\$656,950	2,244,437
Campus foundations' endowments and gifts	\$5,326,577	\$5,105,784	\$656,950	\$11,089,311
<i>At June 30, 2019</i>				
Endowments	\$4,885,413	\$1,523,428		\$6,408,841
Funds functioning as endowments		1,918,902		1,918,902
Gifts		1,575,430	\$538,714	2,114,144
Campus foundations' endowments and gifts	\$4,885,413	\$5,017,760	\$538,714	\$10,441,887

18. SEGMENT INFORMATION

The University's medical centers' and CHRCO's revenues are pledged in support of the outstanding University of California Medical Center Pooled Revenue Bonds. The medical centers' operating revenues and expenses consist primarily of revenues associated with patient care and the related costs of providing that care.

Condensed financial statement information related to each of the University's medical centers for the year ended June 30, 2020 is as follows:

	UNIVERSITY OF CALIFORNIA MEDICAL CENTERS				
<i>(in thousands of dollars)</i>	DAVIS	IRVINE	LOS ANGELES	SAN DIEGO	SAN FRANCISCO
<i>Year Ended June 30, 2020</i>					
Revenue bonds outstanding	\$657,361	\$544,825	\$1,147,213	\$1,019,552	\$1,303,044
Related debt service payments	30,796	21,390	46,127	42,836	57,240
Bonds due serially through	2120	2120	2120	2120	2120
CONDENSED STATEMENT OF NET POSITION					
Current assets	\$1,811,316	\$924,985	\$2,380,916	\$959,161	\$2,358,746
Capital assets, net	1,174,837	745,376	1,623,613	1,558,228	2,491,244
Other assets	487,297	238,561	599,181	358,215	762,514
Total assets	3,473,450	1,908,922	4,603,710	2,875,604	5,612,504
Total deferred outflows of resources	959,487	449,931	1,102,277	941,717	1,897,311
Current liabilities	779,784	416,901	789,137	520,446	1,059,403
Long-term debt	681,331	557,852	1,312,029	1,087,904	1,299,005
Other noncurrent liabilities	3,279,454	1,521,956	3,514,655	2,614,058	5,108,203
Total liabilities	4,740,569	2,496,709	5,615,821	4,222,408	7,466,611
Total deferred inflows of resources	438,464	237,222	576,245	327,462	698,973
Net investment in capital assets	824,936	415,048	736,002	779,658	1,572,954
Restricted	8,112	5,247	24,384	346	121,533
Unrestricted	(1,579,144)	(795,373)	(1,246,465)	(1,512,553)	(2,350,256)
Total net position	(\$746,096)	(\$375,078)	(\$486,079)	(\$732,549)	(\$655,769)
CONDENSED STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION					
Operating revenues	\$2,512,365	\$1,352,915	\$3,008,242	\$2,343,867	\$5,072,342
Operating expenses	(2,587,081)	(1,351,489)	(2,824,803)	(2,364,157)	(5,356,885)
Depreciation expense	(94,562)	(86,344)	(148,411)	(103,264)	(203,299)
Operating income (loss)	(169,278)	(84,918)	35,028	(123,554)	(487,842)
Nonoperating revenues (expenses), net	64,998	28,376	90,553	58,592	200,945
Income (loss) before other changes in net position	(104,280)	(56,542)	125,581	(64,962)	(286,897)
Health systems support	(7,824)	(126,806)	(282,396)	(330,230)	(121,192)
Transfers (to) from University, net	(24,488)	40,876		(10,126)	
Changes in allocation for pension payable to University	12,839	1,699	18,180	869	830
Other, including donated assets	834	941	5,241	12,505	54,364
Decrease in net position	(122,919)	(139,832)	(133,394)	(391,944)	(352,895)
Net position - beginning of year	(623,177)	(235,246)	(352,685)	(340,605)	(302,874)
Net position - end of year	(\$746,096)	(\$375,078)	(\$486,079)	(\$732,549)	(\$655,769)
CONDENSED STATEMENT OF CASH FLOWS					
<i>Net cash provided (used) by:</i>					
Operating activities	\$494,472	\$335,961	\$776,774	\$493,886	\$600,550
Noncapital financing activities	71,296	(56,461)	(179,422)	(244,517)	96,812
Capital and related financing activities	206,065	148,359	313,628	232,781	124,711
Investing activities	(244,841)	(219,729)	(429,559)	(323,358)	(410,432)
Net increase in cash and cash equivalents	526,992	208,130	481,421	158,792	411,641
Cash and cash equivalents* - beginning of year	819,285	455,229	1,114,849	341,255	946,580
Cash and cash equivalents* - end of year	\$1,346,277	\$663,359	\$1,596,270	\$500,047	\$1,358,221

*Cash and cash equivalents on the medical centers' financial statements are included in the University's Short Term Investment Pool.

Condensed financial statement information related to each of the University's medical centers for the year ended June 30, 2019 is as follows:

	UNIVERSITY OF CALIFORNIA MEDICAL CENTERS				
<i>(in thousands of dollars)</i>	DAVIS	IRVINE	LOS ANGELES	SAN DIEGO	SAN FRANCISCO
<i>Year Ended June 30, 2019</i>					
Revenue bonds outstanding	\$301,785	\$315,320	\$704,990	\$694,035	\$906,245
Related debt service payments	31,187	18,209	43,460	42,844	56,641
Bonds due serially through	2048	2049	2049	2049	2049
CONDENSED STATEMENT OF NET POSITION					
Current assets	\$1,356,413	\$731,126	\$1,901,162	\$794,978	\$1,896,612
Capital assets, net	1,115,955	766,783	1,671,098	1,609,016	2,427,895
Other assets	119,465	9,348	140,421	27,191	334,053
Total assets	2,591,833	1,507,257	3,712,681	2,431,185	4,658,560
Total deferred outflows of resources	746,421	312,113	858,937	701,535	1,352,434
Current liabilities	457,064	237,264	503,481	295,493	708,871
Long-term debt	320,819	329,673	876,922	771,188	917,096
Other noncurrent liabilities	2,774,731	1,261,246	2,996,536	2,122,303	4,070,505
Total liabilities	3,552,614	1,828,183	4,376,939	3,188,984	5,696,472
Total deferred inflows of resources	408,817	226,433	547,364	284,341	617,396
Net investment in capital assets	766,483	431,447	762,330	813,976	1,505,229
Restricted	13,283	9,348	24,776		97,383
Unrestricted	(1,402,943)	(676,041)	(1,139,791)	(1,154,581)	(1,905,486)
Total net position	(\$623,177)	(\$235,246)	(\$352,685)	(\$340,605)	(\$302,874)
CONDENSED STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION					
Operating revenues	\$2,329,290	\$1,278,934	\$2,858,931	\$2,067,448	\$4,819,214
Operating expenses	(2,267,844)	(1,119,677)	(2,538,061)	(2,054,330)	(4,746,178)
Depreciation expense	(84,354)	(84,675)	(152,840)	(102,640)	(212,222)
Operating income (loss)	(22,908)	74,582	168,030	(89,522)	(139,186)
Nonoperating revenues (expenses), net	16,360	(9,519)	17,603	(27,678)	44,172
Income (loss) before other changes in net position	(6,548)	65,063	185,633	(117,200)	(95,014)
Health systems support	(29,033)	(85,051)	(218,228)	(127,684)	(146,232)
Transfers (to) from University, net	(22,611)	39,622		(9,005)	
Changes in allocation for pension payable to University	(3,651)	(2,767)	3,866	(5,486)	(14,359)
Other, including donated assets	2,164	8,937	14,268	9,542	127,498
Increase (decrease) in net position	(59,679)	25,804	(14,461)	(249,833)	(128,107)
Net position - beginning of year	(563,498)	(261,050)	(338,224)	(90,772)	(174,767)
Net position - end of year	(\$623,177)	(\$235,246)	(\$352,685)	(\$340,605)	(\$302,874)
CONDENSED STATEMENT OF CASH FLOWS					
<i>Net cash provided (used) by:</i>					
Operating activities	\$320,161	\$237,729	\$541,026	\$274,655	\$431,764
Noncapital financing activities	(42,723)	(43,178)	(212,664)	(132,833)	(105,869)
Capital and related financing activities	(157,342)	(99,024)	(166,534)	(98,788)	(176,740)
Investing activities	(41,970)	27,858	9,091	4,673	(25,986)
Net increase in cash and cash equivalents	78,126	123,385	170,919	47,707	123,169
Cash and cash equivalents* - beginning of year	741,159	331,844	943,930	293,548	823,411
Cash and cash equivalents* - end of year	\$819,285	\$455,229	\$1,114,849	\$341,255	\$946,580

*Cash and cash equivalents on the medical centers' financial statements are included in the University's Short Term Investment Pool.

Summarized financial information for each medical center is from the medical centers' audited financial statements. Certain revenue, such as financial support from the state for clinical teaching programs, is classified as state educational appropriations rather than medical center revenue in the University's statement of revenues, expenses and changes in net position. However, in the medical centers' audited financial statements and for segment reporting purposes, these revenues are classified as operating revenue. Additional information on the individual University of California medical centers can be obtained from their audited financial statements which are available at <http://reportingtransparency.universityofcalifornia.edu>.

Certain revenue generating projects (including student and faculty housing, parking facilities, student centers, recreation and events facilities, student health facilities and athletics facilities) are also financed by Limited Project Revenue Bonds; however, assets and liabilities are not required to be accounted for separately.

19. BLENDED COMPONENT UNIT INFORMATION

Condensed financial statement information related to certain of the University's blended component units for the year ended June 30, 2020 is as follows:

<i>(in thousands of dollars)</i>	FIAT LUX	CHRCO	RESEARCH	HOUSING
CONDENSED STATEMENTS OF NET POSITION				
Current assets	\$1,234,201	\$317,765	\$99,406	\$411,466
Capital assets, net		364,001	189,570	962,025
Other assets	212,981	301,211	232,124	234,083
Total assets	1,447,182	982,977	521,100	1,607,574
Total deferred outflows of resources		87,084	5,525	
Current liabilities	333,212	213,682	25,519	179,804
Other noncurrent liabilities	927,751	223,612	458,907	1,467,570
Total liabilities	1,260,963	437,294	484,426	1,647,374
Total deferred inflows of resources		24,443		
Net investment in capital assets		262,021	37,081	
Restricted		87,359		
Unrestricted	186,219	258,944	5,118	(39,800)
Total net position	\$186,219	\$608,324	\$42,199	(\$39,800)
CONDENSED STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION				
Operating revenues	\$395,891	\$626,379	\$16,402	\$100,385
Operating expenses	(405,529)	(633,605)	(3,732)	(44,276)
Depreciation expense		(41,049)	(2,837)	(21,715)
Operating income (loss)	(9,638)	(48,275)	9,833	34,394
Nonoperating revenues (expenses), net	3,539	38,202	(14,545)	(47,230)
Loss before other changes in net position	(6,099)	(10,073)	(4,712)	(12,836)
Other, including donated assets		8,321		
Decrease in net position	(6,099)	(1,752)	(4,712)	(12,836)
Net position – beginning of year	192,318	610,076	46,911	(26,964)
Net position – end of year	\$186,219	\$608,324	\$42,199	(\$39,800)
CONDENSED STATEMENT OF CASH FLOWS				
<i>Net cash provided (used) by:</i>				
Operating activities	\$75,496	\$22,448	\$14,765	\$102,888
Noncapital financing activities		34,548		
Capital and related financing activities		(70,438)	(60,155)	(191,358)
Investing activities	(44,158)	1,411	2,636	93,955
Net increase (decrease) in cash and cash equivalents	31,338	(12,031)	(42,754)	5,485
Cash and cash equivalents – beginning of year	14,532	160,547	157,456	38,953
Cash and cash equivalents – end of year	\$45,870	\$148,516	\$114,702	\$44,438

Condensed financial statement information related to certain of the University's blended component units for the year ended June 30, 2019 is as follows:

<i>(in thousands of dollars)</i>	FIAT LUX	CHRCO	RESEARCH	HOUSING
CONDENSED STATEMENTS OF NET POSITION				
Current assets	\$296,425	\$328,387	\$54,824	\$597,182
Capital assets, net		330,502	147,469	522,928
Other assets	912,625	296,882	318,340	187,781
Total assets	1,209,050	955,771	520,633	1,307,891
Total deferred outflows of resources		20,256	5,801	
Current liabilities	264,370	197,066	10,234	55,924
Other noncurrent liabilities	752,362	143,891	469,289	1,278,931
Total liabilities	1,016,732	340,957	479,523	1,334,855
Total deferred inflows of resources		24,994		
Net investment in capital assets		227,984	37,441	25,232
Restricted		83,004	4,631	(9,188)
Unrestricted	192,318	299,088	4,839	(43,008)
Total net position	\$192,318	\$610,076	\$46,911	(\$26,964)
CONDENSED STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION				
Operating revenues	\$275,675	\$653,675	\$14,893	\$90,917
Operating expenses	(258,705)	(619,035)	(3,128)	(42,277)
Depreciation expense		(35,887)	(2,582)	(15,104)
Operating income (loss)	16,970	(1,247)	9,183	33,536
Nonoperating revenues (expenses), net	53,966	44,063	(6,366)	(18,190)
Income before other changes in net position	70,936	42,816	2,817	15,346
Other, including donated assets		4,730		
Increase in net position	70,936	47,546	2,817	15,346
Net position – beginning of year	121,382	562,530	44,094	(42,310)
Net position – end of year	\$192,318	\$610,076	\$46,911	(\$26,964)
CONDENSED STATEMENT OF CASH FLOWS				
<i>Net cash provided (used) by:</i>				
Operating activities	\$85,369	\$48,781	\$11,183	\$100,284
Noncapital financing activities		31,735		
Capital and related financing activities		(48,572)	(46,477)	671,932
Investing activities	(138,034)	(12,945)	328	(750,496)
Net change in cash and cash equivalents	(52,665)	18,999	(34,966)	21,720
Cash and cash equivalents – beginning of year	67,197	141,548	192,422	17,233
Cash and cash equivalents – end of year	\$14,532	\$160,547	\$157,456	\$38,953

CHRCO's other assets include investments in the UCSF Foundation's Endowed Investment Pool of \$245.2 million and \$243.2 million at June 30, 2020 and 2019.

Additional information on the blended component units can be found in their separately issued audited financial statements.

20. CAMPUS FOUNDATIONS INFORMATION

Under University policies approved by The Regents, each individual campus may establish a separate foundation to provide valuable assistance in fundraising, public outreach and other support for the missions of the campus and the University. Although independent boards govern these foundations, their assets are dedicated for the benefit of the University of California.

Condensed financial statement information related to the University's campus foundations, including their allocated share of the assets and liabilities associated with securities lending transactions in the University's investment pools, for the year ended June 30, 2020 is as follows:

	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS					
<i>(in thousands of dollars)</i>	BERKELEY	SAN FRANCISCO	LOS ANGELES	SAN DIEGO	ALL OTHER	TOTAL
CONDENSED STATEMENT OF NET POSITION						
Current assets	\$122,287	\$353,452	\$706,131	\$128,275	\$220,508	\$1,530,653
Noncurrent assets	2,358,308	2,206,176	3,320,379	1,046,821	1,760,039	10,691,723
Total assets	2,480,595	2,559,628	4,026,510	1,175,096	1,980,547	12,222,376
Current liabilities	10,731	84,742	302,602	37,182	49,918	485,175
Noncurrent liabilities	74,678	294,846	32,975	8,300	24,572	435,371
Total liabilities	85,409	379,588	335,577	45,482	74,490	920,546
Total deferred inflows of resources	60,533	28,888	47,609	56,059	19,430	212,519
Restricted	2,327,327	2,150,776	3,033,426	1,048,790	1,872,042	10,432,361
Unrestricted	7,326	376	609,898	24,765	14,585	656,950
Total net position	\$2,334,653	\$2,151,152	\$3,643,324	\$1,073,555	\$1,886,627	\$11,089,311
CONDENSED STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION						
Operating revenues	\$205,477	\$452,200	\$414,044	\$100,417	\$131,201	\$1,303,339
Operating expenses	(257,186)	(411,663)	(348,877)	(156,585)	(155,638)	(1,329,949)
Operating income (loss)	(51,709)	40,537	65,167	(56,168)	(24,437)	(26,610)
Nonoperating revenues	42,782	86,576	21,612	49,002	31,237	231,209
Income (loss) before other changes in net position	(8,927)	127,113	86,779	(7,166)	6,800	204,599
Permanent endowments	63,993	68,438	144,525	42,897	122,972	442,825
Increase in net position	55,066	195,551	231,304	35,731	129,772	647,424
Net position – beginning of year	2,279,587	1,955,601	3,412,020	1,037,824	1,756,855	10,441,887
Net position – end of year	\$2,334,653	\$2,151,152	\$3,643,324	\$1,073,555	\$1,886,627	\$11,089,311
CONDENSED STATEMENT OF CASH FLOWS						
<i>Net cash provided (used) by:</i>						
Operating activities	(\$81,515)	(\$20,391)	\$23,721	(\$22,068)	(\$47,990)	(\$148,243)
Noncapital financing activities	52,452	77,302	103,564	39,337	72,309	344,964
Investing activities	26,845	(171,972)	(128,440)	6,931	(30,830)	(297,466)
Net increase (decrease) in cash and cash equivalents	(2,218)	(115,061)	(1,155)	24,200	(6,511)	(100,745)
Cash and cash equivalents – beginning of year	8,388	385,342	9,298	1,045	54,521	458,594
Cash and cash equivalents – end of year	\$6,170	\$270,281	\$8,143	\$25,245	\$48,010	\$357,849

Condensed financial statement information related to the University's campus foundations, including their allocated share of the assets and liabilities associated with securities lending transactions in the University's investment pools, for the year ended June 30, 2019 is as follows:

	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS					
(in thousands of dollars)	BERKELEY	SAN FRANCISCO	LOS ANGELES	SAN DIEGO	ALL OTHER	TOTAL
CONDENSED STATEMENT OF NET POSITION						
Current assets	\$140,203	\$459,416	\$681,249	\$147,368	\$181,497	\$1,609,733
Noncurrent assets	2,301,104	1,846,848	3,127,358	968,994	1,664,074	9,908,378
Total assets	2,441,307	2,306,264	3,808,607	1,116,362	1,845,571	11,518,111
Current liabilities	19,706	35,277	314,259	7,598	42,564	419,404
Noncurrent liabilities	78,739	284,009	32,166	7,563	25,668	428,145
Total liabilities	98,445	319,286	346,425	15,161	68,232	847,549
Total deferred inflows of resources	63,275	31,377	50,162	63,377	20,484	228,675
Restricted	2,268,502	1,955,202	2,922,558	1,012,372	1,744,539	9,903,173
Unrestricted	11,085	399	489,462	25,452	12,316	538,714
Total net position	\$2,279,587	\$1,955,601	\$3,412,020	\$1,037,824	\$1,756,855	\$10,441,887
CONDENSED STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION						
Operating revenues	\$147,008	\$251,426	\$347,424	\$57,320	\$116,152	\$919,330
Operating expenses	(228,154)	(341,081)	(329,950)	(107,952)	(163,076)	(1,170,213)
Operating income (loss)	(81,146)	(89,655)	17,474	(50,632)	(46,924)	(250,883)
Nonoperating revenues	106,490	80,891	94,558	58,847	90,241	431,027
Income (loss) before other changes in net position	25,344	(8,764)	112,032	8,215	43,317	180,144
Permanent endowments	118,880	113,882	122,232	32,584	70,773	458,351
Increase in net position	144,224	105,118	234,264	40,799	114,090	638,495
Net position – beginning of year	2,135,363	1,850,483	3,177,756	997,025	1,642,765	9,803,392
Net position – end of year	\$2,279,587	\$1,955,601	\$3,412,020	\$1,037,824	\$1,756,855	\$10,441,887
CONDENSED STATEMENT OF CASH FLOWS						
<i>Net cash provided (used) by:</i>						
Operating activities	(\$75,071)	(\$92,845)	\$19,883	(\$54,226)	(\$37,255)	(\$239,514)
Noncapital financing activities	91,333	114,840	115,297	27,944	46,445	395,859
Investing activities	(14,153)	(33,522)	(130,481)	26,288	6,740	(145,128)
Net increase (decrease) in cash and cash equivalents	2,109	(11,527)	4,699	6	15,930	11,217
Cash and cash equivalents – beginning of year	6,279	396,869	4,599	1,039	38,591	447,377
Cash and cash equivalents – end of year	\$8,388	\$385,342	\$9,298	\$1,045	\$54,521	\$458,594

Additional information on the foundations can be found in the foundations' separately issued annual reports, which can be obtained by contacting the individual foundation.

21. COMMITMENTS AND CONTINGENCIES

Contractual Commitments

Amounts committed but unexpended for construction projects totaled \$2.7 billion at June 30, 2020. The University has a remaining commitment to contribute \$79.8 million for investments in joint ventures at June 30, 2020.

The University leases land, buildings and equipment under agreements recorded as operating leases. Operating lease expenses for the years ended June 30, 2020 and 2019 were \$371.9 million and \$362.4 million, respectively. The terms of the operating leases extend through 2042.

Future minimum payments on operating leases with an initial or remaining non-cancelable term in excess of one year are as follows:

<i>(in thousands of dollars)</i>	UNIVERSITY OF CALIFORNIA
<i>Year Ending June 30</i>	
2021	\$319,114
2022	265,538
2023	220,200
2024	183,492
2025	131,639
2026 - 2030	381,659
2031 - 2035	120,541
2036 - 2040	14,403
2040 - 2043	456
Total	\$1,637,042

Contingencies

Substantial amounts are received and expended by the University, including its medical centers, under federal and state programs, and are subject to audit by cognizant governmental agencies. This funding relates to research, student aid, medical center operations and other programs. University management believes that any liabilities arising from such audits will not have a material effect on the University's financial position.

The University and the campus foundations are contingently liable in connection with certain other claims and contracts, including those currently in litigation, arising in the normal course of its activities. Although there are inherent uncertainties in any litigation, University management and general counsel are of the opinion that the outcome of such matters will not have a material effect on the University's financial position.

22. Risks and Uncertainties

The outbreak of COVID-19, a respiratory disease caused by a new strain of coronavirus, has been declared a pandemic by the World Health Organization. The outbreak of the disease has affected travel, commerce and financial markets globally, in the United States and California, including cities and counties throughout the state. On March 4, 2020, the Governor declared a state of emergency to help the state prepare and respond to COVID-19, and on March 19, 2020, the Governor issued a statewide order, Executive Order N-33-20, directing all residents to heed current state public health directives to stay home or at their place of residence except as needed to maintain continuity of operations of critical infrastructure sectors during the COVID-19 response. Such orders and restrictions have resulted in business closures, work stoppages, slowdowns and delays, work-from-home policies, travel restrictions and cancellations of events. While there has been and will continue to be material financial impacts to the University due to COVID-19 that will affect financial results for 2021 and potentially beyond, we believe we have sufficient liquidity to meet our operating and financial needs. However, given the difficulty in predicting the duration and severity of the coronavirus on the University, the economy and the financial markets, the ultimate impact may be material.

23. Subsequent Event

On September 19, 2020, the U.S. Department of Health and Human Services (HHS) released additional post-payment reporting rules for funds received from the CARES Act Provider Relief Fund (PRF). The new requirements require the University to first use PRF funds for health care related expenses attributable to coronavirus that another source has not reimbursed and is not obligated to reimburse, and only then, apply any remaining PRF funds not fully expended on health care related expenses attributable to coronavirus to lost revenues, represented as a negative change in year-over-year net patient care operating income, comparing calendar year 2020 to calendar year 2019. HHS is entitled to recoup PRF fund amounts not expended in full by June 30, 2021. Due to these new reporting requirements, there is at least a reasonable possibility that nonoperating revenues of \$438.6 million reported as direct grants under the PRF by the University may change in future periods.

Required Supplementary Information *(Unaudited)*

UCRP

The schedule of changes in net pension liability includes multiyear trend information about whether the pension assets are increasing or decreasing over time relative to the pension liabilities. The University's schedule of changes in the net pension liability for UCRP as of June 30 is:

<i>(in thousands of dollars)</i>	2020	2019	2018	2017
TOTAL PENSION LIABILITY				
Service cost	\$2,466,497	\$1,946,612	\$1,873,004	\$1,807,143
Interest on the total pension liability	5,981,599	5,576,660	5,295,733	5,035,267
Difference between expected and actual experience	(282,321)	334,605	138,419	74,664
Changes of assumptions or other inputs		7,816,717		
Benefits paid, including refunds of employee contributions	(3,944,998)	(3,816,434)	(3,587,554)	(3,320,990)
Net change in total pension liability	4,220,777	11,858,160	3,719,602	3,596,084
Total pension liability - beginning of year	88,404,608	76,546,448	72,826,846	69,230,762
Total pension liability - end of year	92,625,385	88,404,608	76,546,448	72,826,846
PLAN NET POSITION				
Contributions - employer	2,444,025	2,408,650	2,335,874	2,385,576
Contributions - member	1,019,302	956,543	941,144	891,987
Contributions - state			169,000	171,000
Net investment income	1,184,938	4,018,595	4,837,552	7,866,281
Benefits paid, including refunds of employee contributions	(3,944,998)	(3,816,434)	(3,587,554)	(3,320,990)
Administrative expense	(65,989)	(61,981)	(36,684)	(44,128)
Net change in plan net position	637,278	3,505,373	4,659,332	7,949,726
Plan net position - beginning of year	70,278,963	66,773,590	62,114,258	54,164,532
Plan net position - end of year	70,916,241	70,278,963	66,773,590	62,114,258
Net pension liability - end of year	\$21,709,144	\$18,125,645	\$9,772,858	\$10,712,588

<i>(in thousands of dollars)</i>	2016	2015	2014	2013	2012
TOTAL PENSION LIABILITY					
Service cost	\$1,710,241	\$1,589,267	\$1,519,183	\$1,456,761	\$1,531,094
Interest on the total pension liability	4,784,904	4,538,846	4,316,728	4,112,461	3,871,146
Difference between expected and actual experience	136,167	(112,155)	(320,624)	(183,253)	(212,758)
Changes of assumptions or other inputs		2,136,793		(3,312,815)	4,923,778
Benefits paid, including refunds of employee contributions	(3,105,641)	(2,976,992)	(2,687,540)	(2,487,369)	(2,273,071)
Net change in total pension liability	3,525,671	5,175,759	2,827,747	(414,215)	7,840,189
Total pension liability - beginning of year	65,705,091	60,529,332	57,701,585	58,115,800	50,275,611
Total pension liability - end of year	69,230,762	65,705,091	60,529,332	57,701,585	58,115,800
PLAN NET POSITION					
Contributions - employer	2,426,683	2,510,046	1,580,876	810,056	1,851,460
Contributions - member	845,036	793,012	577,466	415,641	272,420
Contributions - state	96,000				
Net investment income	(1,104,655)	1,993,801	8,009,980	4,833,339	115,863
Benefits paid, including refunds of employee contributions	(3,105,642)	(2,976,993)	(2,687,540)	(2,487,369)	(2,273,071)
Administrative expense	(48,340)	(48,283)	(37,641)	(37,426)	(32,839)
Net change in plan net position	(890,918)	2,271,583	7,443,141	3,534,241	(66,167)
Plan net position - beginning of year	55,055,450	52,783,867	45,340,726	41,806,485	41,872,652
Plan net position - end of year	54,164,532	55,055,450	52,783,867	45,340,726	41,806,485
Net pension liability - end of year	\$15,066,230	\$10,649,641	\$7,745,465	\$12,360,859	\$16,309,315

The University's schedule of net pension liability for UCRP as of June 30 is:

<i>(in thousands of dollars)</i>	2020	2019	2018	2017
Total pension liability	\$92,625,385	\$88,404,608	\$76,546,448	\$72,826,846
Plan net position	70,916,241	70,278,963	66,773,590	62,114,258
Net pension liability	\$21,709,144	\$18,125,645	\$9,772,858	\$10,712,588
Ratio of plan net position to total pension liability	76.6%	79.5%	87.2%	85.3%
Covered payroll	\$13,056,696	\$12,168,209	\$11,923,489	\$11,301,506
Net pension liability as a percentage of covered payroll	166.3%	149.0%	82.0%	94.8%

<i>(in thousands of dollars)</i>	2016	2015	2014	2013	2012
Total pension liability	\$69,230,762	\$65,705,091	\$60,529,332	\$57,701,585	\$58,115,800
Plan net position	54,164,532	55,055,450	52,783,867	45,340,726	41,806,485
Net pension liability	\$15,066,230	\$10,649,641	\$7,745,465	\$12,360,859	\$16,309,315
Ratio of plan net position to total pension liability	78.2%	83.8%	87.2%	78.6%	71.9%
Covered payroll	\$10,689,424	\$10,047,570	\$9,372,583	\$8,921,077	\$8,594,147
Net pension liability as a percentage of covered payroll	140.9%	106.0%	82.6%	138.6%	189.8%

The University's schedule of employer contributions for UCRP as of June 30 is:

(in thousands of dollars)

YEAR ENDED JUNE 30	ACTUARIALLY DETERMINED CONTRIBUTIONS	CONTRIBUTIONS IN RELATION TO ACTUARIAL CONTRIBUTIONS	CONTRIBUTION DEFICIENCY (EXCESS)	COVERED PAYROLL	CONTRIBUTIONS AS A PERCENTAGE OF COVERED PAYROLL
2020	\$2,516,234	\$2,444,025	\$72,209	\$13,056,696	19%
2019	2,742,671	2,408,650	334,021	12,168,209	20
2018	2,669,169	2,504,874	164,295	11,923,489	21
2017	2,654,710	2,556,576	98,134	11,301,506	23
2016	2,610,953	2,522,683	88,270	10,689,424	24
2015	2,664,384	2,510,046	154,338	10,047,570	25
2014	2,472,697	1,580,876	891,821	9,372,583	17
2013	2,062,022	810,056	1,251,966	8,921,077	9
2012	1,806,205	1,851,459	(45,254)	8,594,147	22
2011	1,695,137	1,677,921	17,216	8,140,629	21

NOTES TO SCHEDULE

Methods and assumptions used to determined contribution rates:

Valuation date	Actuarially determined contribution rates are calculated as of July 1, two years prior to the end of the fiscal year in which contributions are reported.
Actuarial cost method	Entry age actuarial cost method.
Amortization method	Level dollar, closed periods.
Remaining amortization period	18.70 years as of July 1, 2019. The July 1, 2010 amortization bases were combined into a single amortization base and amortized over 30 years. Any changes in Unfunded Actuarial Accrued Liability (UAAL) due to actuarial experience gains or losses after July 1, 2010, are separately amortized over a fixed (closed) 30-year period effective with that valuation. Any changes in UAAL due to a change in actuarial assumptions or plan provisions are separately amortized over a fixed (closed) 15-year period. Any changes in UAAL due to actuarial experience gains or losses or a change in actuarial assumptions after July 1, 2014, are separately amortized over a fixed (closed) 20-year period.
Asset valuation method	The market value of assets less unrecognized returns in each of the last five years. An unrecognized return is equal to the difference between the actual and the expected return on a market value basis and is recognized over a five-year period.
Inflation	2.50%.
Investment rate of return	6.75%, net of pension plan investment expenses, including inflation.
Projected salary increases	3.65 - 5.95%, varying by service, including inflation.
Cost-of-living adjustments	2.00%.
Mortality	Active and inactive: Pub-2010 Teacher Employee Amount-Weighted Above-Median Mortality Table. Healthy: Pub-2010 Healthy Teacher Amount-Weighted Above-Median Mortality Table, multiplied by 90 percent for male Faculty members, 95 percent for female Faculty members, 100 percent for other male members and 110 percent for other female members. Beneficiaries of retired members: Pub-2010 Contingent Survivor Amount-Weighted Above-Median Mortality Table multiplied by 100 percent for males and 90 percent for females. Disabled: Pub-2010 Non-Safety Disabled Retiree Amount-Weighted Mortality Table. All mortality tables listed above are projected generationally with the two-dimensional mortality improvement scale MP-2018.

UC-VERIP

The University's schedule of changes in net pension liability for UC-VERIP as of June 30 is:

<i>(in thousands of dollars)</i>	2020	2019	2018	2017
TOTAL PENSION LIABILITY				
Interest on the total pension liability	\$1,656	\$1,983	\$2,042	\$2,463
Difference between expected and actual experience	(1,342)	(79)	(436)	(189)
Changes of assumptions or other inputs		714		
Benefits paid, including refunds of employee contributions	(4,142)	(4,213)	(4,610)	(4,738)
Net change in total pension liability (surplus)	(3,828)	(1,595)	(3,004)	(2,464)
Total pension liability - beginning of year	27,945	29,540	32,544	35,008
Total pension liability - end of year	24,117	27,945	29,540	32,544
PLAN NET POSITION				
Net investment income	1,049	3,748	4,885	8,666
Benefits paid, including refunds of employee contributions	(4,142)	(4,213)	(4,610)	(4,738)
Administrative expense	(4)	(5)	(5)	(6)
Net change in plan net position	(3,097)	(470)	270	3,922
Plan net position - beginning of year	64,778	65,248	64,978	61,056
Plan net position - end of year	61,681	64,778	65,248	64,978
Net pension surplus - end of year	(\$37,564)	(\$36,833)	(\$35,708)	(\$32,434)

<i>(in thousands of dollars)</i>	2016	2015	2014	2013	2012
TOTAL PENSION LIABILITY					
Interest on the total pension liability	\$2,533	\$2,704	\$2,857	\$3,052	\$3,227
Changes of benefit terms					11,186
Difference between expected and actual experience	(650)	242	(436)	(241)	172
Changes of assumptions or other inputs		1,837			1,268
Benefits paid, including refunds of employee contributions	(4,937)	(5,081)	(5,169)	(5,278)	(5,369)
Net change in total pension liability (surplus)	(3,054)	(298)	(2,748)	(2,467)	10,484
Total pension liability - beginning of year	38,062	38,360	41,108	43,575	33,091
Total pension liability - end of year	35,008	38,062	38,360	41,108	43,575
PLAN NET POSITION					
Net investment income	(1,425)	2,550	11,035	7,144	90
Benefits paid, including refunds of employee contributions	(4,937)	(5,081)	(5,169)	(5,278)	(5,369)
Administrative expense	(7)	(6)	(6)	(7)	(7)
Net change in plan net position	(6,369)	(2,537)	5,860	1,859	(5,286)
Plan net position - beginning of year	67,425	69,962	64,102	62,243	67,529
Plan net position - end of year	61,056	67,425	69,962	64,102	62,243
Net pension surplus - end of year	(\$26,048)	(\$29,363)	(\$31,602)	(\$22,994)	(\$18,668)

The University's schedule of net pension asset for UC-VERIP as of June 30 is:

<i>(in thousands of dollars)</i>	2020	2019	2018	2017
Total pension liability	\$24,117	\$27,945	\$29,540	\$32,544
Plan net position	61,681	64,778	65,248	64,978
Net pension surplus	(\$37,564)	(\$36,833)	(\$35,708)	(\$32,434)
Ratio of plan net position to total pension liability	255.8%	231.8%	220.9%	199.7%

<i>(in thousands of dollars)</i>	2016	2015	2014	2013	2012
Total pension liability	\$35,008	\$38,062	\$38,360	\$41,108	\$43,575
Plan net position	61,056	67,425	69,962	64,102	62,243
Net pension surplus	(\$26,048)	(\$29,363)	(\$31,602)	(\$22,994)	(\$18,668)
Ratio of plan net position to total pension liability	174.4%	177.1%	182.4%	155.9%	142.8%

The University is not required to make contributions to the UC-VERIP due to its fully funded status.

CHRCO PENSION PLAN

The schedule of changes in the net pension liability for the CHRCO Pension Plan as of June 30:

<i>(in thousands of dollars)</i>	2020	2019	2018	2017	2016	2015	2014
TOTAL PENSION LIABILITY							
Service cost	\$12,648	\$11,430	\$11,304	\$9,910	\$10,410	\$9,448	\$9,274
Interest on the total pension liability	36,005	34,165	31,854	29,672	27,782	24,683	22,453
Changes of benefit terms			92	33	24	40	142
Difference between expected and actual experience	23,581	5,214	3,609	2,442	(3,690)	762	2,487
Changes of assumptions or other inputs	28,609	(9,540)			3,613	33,105	
Benefits paid, including refunds of employee contributions	(17,262)	(15,143)	(12,802)	(11,767)	(9,509)	(8,082)	(6,994)
Net change in total pension liability	83,581	26,126	34,057	30,290	28,630	59,956	27,362
Total pension liability - beginning of year	510,335	484,209	450,152	419,862	391,232	331,276	303,914
Total pension liability - end of year	593,916	510,335	484,209	450,152	419,862	391,232	331,276
PLAN NET POSITION							
Contributions - employer	31,200	31,200	33,600	28,800	24,000	18,000	14,500
Net investment income	(7,468)	25,203	33,269	41,256	214	11,797	48,704
Benefits paid, including refunds of employee contributions	(17,262)	(15,143)	(12,802)	(11,767)	(9,509)	(8,082)	(6,994)
Administrative expense	(3,598)	(2,711)	(3,014)	(2,727)	(1,816)	(1,222)	(718)
Net change in plan net position	2,872	38,549	51,053	55,562	12,889	20,493	55,492
Total plan net position - beginning of year	498,610	460,061	409,008	353,446	340,557	320,064	264,572
Total plan net position - end of year	501,482	498,610	460,061	409,008	353,446	340,557	320,064
Net pension liability - end of year	\$92,434	\$11,725	\$24,148	\$41,144	\$66,416	\$50,675	\$11,212

The schedule of net pension liability for the CHRCO Pension Plan as of June 30 is:

<i>(in thousands of dollars)</i>	2020	2019	2018	2017	2016	2015	2014
Total pension liability	\$593,916	\$510,335	\$484,209	\$450,152	\$419,862	\$391,232	\$331,276
Plan net position	501,482	498,610	460,061	409,008	353,446	340,557	320,064
Net pension liability	\$92,434	\$11,725	\$24,148	\$41,144	\$66,416	\$50,675	\$11,212
Ratio of plan net position to total pension liability	84.4%	97.7%	95.0%	90.9%	84.2%	87.0%	96.6%
Covered payroll	\$209,596	\$190,599	\$187,639	\$184,083	\$165,672	\$177,986	\$175,189
Net pension liability as a percentage of covered payroll	44.1%	6.2%	12.9%	22.4%	40.1%	28.5%	6.4%

The schedule of employer contributions for the CHRCO Pension Plan as of June 30 is:

<i>(in thousands of dollars)</i>	2020	2019	2018	2017	2016	2015	2014
Actuarially calculated employer contributions	\$22,000	\$17,870	\$7,710	\$5,642	\$7,823	\$12,239	\$21,282
Contributions in relation to the actuarially calculated employer contribution	31,200	31,200	33,600	28,800	24,000	18,000	14,500
Annual contribution deficiency (excess)	(\$9,200)	(\$13,330)	(\$25,890)	(\$23,158)	(\$16,177)	(\$5,761)	\$6,782
Covered payroll	\$209,596	\$190,599	\$187,639	\$184,083	\$165,672	\$177,986	\$175,189
Actual contributions as a percentage of covered payroll	14.9%	16.4%	17.9%	15.6%	14.5%	10.1%	8.3%

NOTES TO SCHEDULE

Methods and assumptions used to determine contribution rates:

Valuation date	Actuarially calculated contributions are calculated as of January 1 of the end of the fiscal year in which contributions are reported.
Actuarially determined contribution	The Plan is subject to funding requirements under ERISA. The contribution shown is the IRC Section 430 minimum contribution prior to offset by credit balances prorated for the number of months in the fiscal year. For the period January 1, 2014 to June 30, 2014, the amount shown does not reflect changes in the Highway and Transportation Funding Act of 2014 (HATFA). The contribution for July 1, 2014 and thereafter includes HATFA.
Contributions in relation to the actuarially determined contribution	The amount shown is equal to the contributions contributed to the Plan during the fiscal year shown.
Actuarial cost method	Unit Credit Actuarial Cost Method.
Amortization method	Level dollar, closed amortization over a 7-year period from the valuation date as specified under PPA.
Remaining amortization period	7 years for changes in unfunded liabilities that occur each valuation date.
Asset valuation method	The actuarial value of assets is equal to the two-year average of Plan asset values as of the valuation date. The 2-year average is the average of the two prior years' adjusted market value of assets and the current year's market value of assets. For this purpose, the prior years' market value of assets is adjusted to reflect benefit payments, administrative expenses, contributions and expected returns for the prior years. The resulting actuarial value of assets is adjusted to be within 10% of the market value of assets at the valuation date, as required by IRC Section 430.
Inflation	2.8%.
Investment rate of return	6.5%, net of pension plan investment expenses, including inflation.
Projected salary increases	Represented employees: 4.0% for 2020 through 2022, 3.75% from 2023 and after; Unrepresented employees: 0.0% for 2020, 2.0% for 2021, 3.0% for 2022 and 3.75% for 2023 and after.
Cost-of-living adjustments	N/A.
Mortality	Pri-2012 Mortality Table with fully generational projected mortality improvements using Scale MP-2019.

OCERS

The schedule of the University's proportionate share of OCERS' net pension liability is presented below:

(in thousands of dollars)

AS OF JUNE 30	PROPORTION OF THE NET PENSION LIABILITY	PROPORTIONATE SHARE OF NET PENSION LIABILITY	COVERED PAYROLL	PROPORTIONATE SHARE OF THE NET PENSION LIABILITY AS A PERCENTAGE OF ITS COVERED PAYROLL	PLAN FIDUCIARY NET POSITION AS A PERCENTAGE OF THE TOTAL PENSION LIABILITY
2020	0.3%	\$15,107			71.6%
2019	0.3	17,404			67.9
2018	0.3	13,822	\$15	92,146.7%	75.1
2017	0.3	18,057	44	41,038.6	69.0
2016	0.3	18,092	285	6,348.1	69.5

University Retiree Health Benefits Program

The schedule of changes in the net retiree health benefits liability includes multiyear trend information about whether the net retiree health benefits liability is increasing or decreasing over time. The University's net retiree health benefits liability includes liabilities for campuses, medical centers and LBNL. The University's schedule of changes in the net retiree health benefits liability as of, and for, the year ending June 30 is:

(in thousands of dollars)	2020	2019	2018
TOTAL RETIREE HEALTH BENEFITS LIABILITY			
Service cost	\$912,067	\$815,654	\$835,154
Interest on the total retiree health benefits liability	724,584	758,521	716,777
Changes of benefit terms		(29,315)	
Difference between expected and actual experience	(1,539,139)	(1,219,146)	(1,173,742)
Changes of assumptions or other inputs	4,354,033	1,124,039	(354,585)
Retiree contributions	86,166	85,820	79,849
Benefits paid	(546,616)	(512,824)	(504,745)
Net change in total retiree health benefits liability	3,991,095	1,022,749	(401,292)
Total retiree health benefits liability - beginning of year	20,018,595	18,995,846	19,397,138
Total retiree health benefits liability - end of year	24,009,690	20,018,595	18,995,846
PLAN NET POSITION			
University contributions	462,609	451,437	453,988
Retiree contributions	86,166	85,820	79,849
Net investment income	2,281	3,195	1,634
Insurance premiums	(546,616)	(512,824)	(504,745)
Other deductions	(4,531)	(4,300)	(3,859)
Net change in retiree health benefits net position	(91)	23,328	26,867
Retiree health benefits net position - beginning of year	156,909	133,581	106,714
Retiree health benefits net position - end of year	156,818	156,909	133,581
Net retiree health benefits liability - end of year	\$23,852,872	\$19,861,686	\$18,862,265

<i>(in thousands of dollars)</i>	2017	2016	2015
TOTAL RETIREE HEALTH BENEFITS LIABILITY			
Service cost	\$1,004,644	\$830,041	\$702,935
Interest on the total retiree health benefits liability	646,279	735,294	719,853
Difference between expected and actual experience	101,280	(1,948,111)	
Changes of assumptions or other inputs	(3,827,924)	3,925,503	1,402,476
Retiree contributions	72,716	65,705	56,340
Benefits paid	(467,846)	(451,166)	(435,189)
Net change in total retiree health benefits liability	(2,470,851)	3,157,266	2,446,415
Total retiree health benefits liability - beginning of year	21,867,989	18,710,723	16,264,308
Total retiree health benefits liability - end of year	19,397,138	21,867,989	18,710,723
PLAN NET POSITION			
University contributions	432,953	410,945	367,416
Retiree contributions	72,716	65,705	56,340
Net investment income	606	155	41
Insurance premiums	(467,846)	(451,166)	(435,189)
Other deductions	(4,256)	(3,743)	(3,147)
Net change in retiree health benefits net position	34,173	21,896	(14,539)
Retiree health benefits net position - beginning of year	72,541	50,645	65,184
Retiree health benefits net position - end of year	106,714	72,541	50,645
Net retiree health benefits liability - end of year	\$19,290,424	\$21,795,448	\$18,660,078

The University's schedule of net retiree health benefits liability as of June 30 is:

<i>(in thousands of dollars)</i>	2020	2019	2018
Total retiree health benefits liability	\$24,009,690	\$20,018,595	\$18,995,846
Retiree health benefits net position	156,818	156,909	133,581
Net retiree health benefits liability	\$23,852,872	\$19,861,686	\$18,862,265
Ratio of retiree health benefits net position to total retiree health benefits liability	0.7%	0.8%	0.7%
Covered payroll	\$13,461,790	\$12,717,122	\$12,391,018
Net retiree health benefits liability as a percentage of covered payroll	177.2%	156.2%	152.2%
Discount rate	2.21%	3.50%	3.87%

<i>(in thousands of dollars)</i>	2017	2016	2015
Total retiree health benefits liability	\$19,397,138	\$21,867,989	\$18,710,723
Retiree health benefits net position	106,714	72,541	50,645
Net retiree health benefits liability	\$19,290,424	\$21,795,448	\$18,660,078
Ratio of retiree health benefits net position to total retiree health benefits liability	0.6%	0.3%	0.3%
Covered payroll	\$11,495,997	\$10,689,424	\$10,047,570
Net retiree health benefits liability as a percentage of covered payroll	167.8%	203.9%	185.7%
Discount rate	3.58%	2.85%	3.80%

University of California Retiree Health Benefit Trust

The schedule of changes in the net retiree health benefits liability includes multiyear trend information about whether the trust assets are increasing or decreasing over time relative to the total retiree health benefits liability for the campuses and medical centers. UCRHBT's schedule of changes in net retiree health benefits liability as of, and for, the year ending June 30 is:

<i>(in thousands of dollars)</i>	2020	2019	2018
TOTAL RETIREE HEALTH BENEFIT LIABILITY			
Service cost	\$893,557	\$798,249	\$816,483
Interest on the total retiree health benefits liability	702,640	734,693	694,562
Changes of benefit terms		(28,401)	
Difference between expected and actual experience	(1,474,623)	(1,175,284)	(1,149,032)
Changes of assumptions or other inputs	4,222,620	1,091,609	(353,516)
Retiree contributions	83,111	82,710	76,873
Benefits paid	(525,262)	(490,615)	(483,479)
Net change in total retiree health benefits liability	3,902,043	1,012,961	(398,109)
Total retiree health benefits liability - beginning of year	19,401,053	18,388,092	18,786,201
Total retiree health benefits liability - end of year	23,303,096	19,401,053	18,388,092
PLAN NET POSITION			
University contributions	444,310	432,338	435,698
Retiree contributions	83,111	82,710	76,873
Net investment income	2,281	3,195	1,634
Insurance premiums	(525,262)	(490,615)	(483,479)
Other deductions	(4,531)	(4,300)	(3,859)
Net change in UCRHBT net position	(91)	23,328	26,867
UCRHBT net position - beginning of year	156,909	133,581	106,714
UCRHBT net position - end of year	156,818	156,909	133,581
Net retiree health benefits liability - end of year	\$23,146,278	\$19,244,144	\$18,254,511

<i>(in thousands of dollars)</i>	2017	2016	2015
TOTAL RETIREE HEALTH BENEFIT LIABILITY			
Service cost	\$981,745	\$806,817	\$683,320
Interest on the total retiree health benefits liability	625,947	711,365	695,999
Difference between expected and actual experience	95,254	(1,875,009)	
Changes of assumptions or other inputs	(3,707,921)	3,798,113	1,358,761
Retiree contributions	69,968	65,705	56,340
Benefits paid	(447,604)	(433,849)	(418,244)
Net change in total retiree health benefits liability	(2,382,611)	3,073,142	2,376,176
Total retiree health benefits liability - beginning of year	21,168,812	18,095,670	15,719,494
Total retiree health benefits liability - end of year	18,786,201	21,168,812	18,095,670
PLAN NET POSITION			
University contributions	415,459	393,628	350,471
Retiree contributions	69,968	65,705	56,340
Net investment income	606	155	41
Insurance premiums	(447,604)	(433,849)	(418,244)
Other deductions	(4,256)	(3,743)	(3,147)
Net change in UCRHBT net position	34,173	21,896	(14,539)
UCRHBT net position - beginning of year	72,541	50,645	65,184
UCRHBT net position - end of year	106,714	72,541	50,645
Net retiree health benefits liability - end of year	\$18,679,487	\$21,096,271	\$18,045,025

UCRHBT's schedule of net retiree health benefits liability for campuses and medical centers as of June 30 is:

<i>(in thousands of dollars)</i>	2020	2019	2018
Total retiree health benefits liability	\$23,303,096	\$19,401,053	\$18,388,092
UCRHBT net position	156,818	156,909	133,581
Net retiree health benefits liability	\$23,146,278	\$19,244,144	\$18,254,511
Ratio of UCRHBT net position to total retiree health benefits liability	0.7%	0.8%	0.7%
Covered payroll	\$13,104,846	\$12,381,741	\$12,087,000
Net retiree health benefits liability as a percentage of covered payroll	176.6%	155.4%	151.0%
Discount rate	2.2%	3.5%	3.9%
<i>(in thousands of dollars)</i>	2017	2016	2015
Total retiree health benefits liability	\$18,786,201	\$21,168,812	\$18,095,670
UCRHBT net position	106,714	72,541	50,645
Net retiree health benefits liability	\$18,679,487	\$21,096,271	\$18,045,025
Ratio of UCRHBT net position to total retiree health benefits liability	0.6%	0.3%	0.3%
Covered payroll	\$11,196,485	\$10,396,827	\$9,758,795
Net retiree health benefits liability as a percentage of covered payroll	166.8%	202.9%	184.9%
Discount rate	3.6%	2.9%	3.8%

University of California
Summary Schedule of Expenditures of Federal Awards

*For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)*

Cluster	Total Expenditures
Research And Development Cluster	\$3,927,165,802
Student Financial Assistance Cluster	1,802,355,089
SNAP Cluster	16,115,856
TRIO Cluster	13,632,503
Medicaid Cluster	5,962,427
Highway Safety Cluster	3,519,753
Head Start Cluster	3,179,081
Health Center Program Cluster	2,446,647
477 Cluster	2,305,354
Federal Transit Cluster	2,255,088
Economic Development Cluster	1,735,142
WIOA Cluster	973,354
CCDF Cluster	810,020
Highway Planning And Construction Cluster	571,453
FMCSA Cluster	470,588
Fish And Wildlife Cluster	229,911
HOPE VI Cluster	41,597
Aging Cluster	16,938
Other Federal Programs	431,590,520
Grand Total	\$6,215,377,123

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
10.001	Agricultural Research Basic And Applied Research	Direct	United States Department Of Agriculture (USDA)	Various	7,932,017	40,526
10.001	Agricultural Research Basic And Applied Research	Direct	United States Department Of Agriculture (USDA) Total		7,932,017	40,526
10.001	Agricultural Research Basic And Applied Research	Pass-through	Arkansas Children's Hospital Research Institute	034516	13,701	
10.001	Agricultural Research Basic And Applied Research	Pass-through	Arkansas Children's Hospital Research Institute Total		13,701	
10.001	Agricultural Research Basic And Applied Research	Pass-through	Rutgers, The State University Of New Jersey	ARS NACA 58-6080-7-009	5,928	
10.001	Agricultural Research Basic And Applied Research	Pass-through	Rutgers, The State University Of New Jersey Total		5,928	
10.001	Agricultural Research Basic And Applied Research	Pass-through	Venturewell	DA43-19-65152-1	12,089	
10.001	Agricultural Research Basic And Applied Research	Pass-through	Venturewell Total		12,089	
10.001	Agricultural Research Basic And Applied Research Total				7,963,735	40,526
10.001	COVID-19 - Agricultural Research Basic And Applied Research	Direct	United States Department Of Agriculture (USDA)		7,000	
10.001	COVID-19 - Agricultural Research Basic And Applied Research	Direct	United States Department Of Agriculture (USDA) Total		7,000	
10.001	COVID-19 - Agricultural Research Basic And Applied Research Total				7,000	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Direct	United States Department Of Agriculture (USDA)	Various	3,248,036	50,096
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Direct	United States Department Of Agriculture (USDA) Total		3,248,036	50,096
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	California Department Of Food And Agriculture	009982	82,364	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	California Department Of Food And Agriculture	011104	6,559	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	California Department Of Food And Agriculture	18-0297-003-SF	(348)	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	California Department Of Food And Agriculture	18-0326-001-SF	24,943	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	California Department Of Food And Agriculture	18-0430-001-SF	17,324	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	California Department Of Food And Agriculture	19-0276-003-SF	30,727	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	California Department Of Food And Agriculture	19-0699-001-SF	45,621	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	California Department Of Food And Agriculture	19-0721-001-SF	6,183	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	California Department Of Food And Agriculture	19-0979-001-SF	238	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	California Department Of Food And Agriculture Total		213,811	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	California Department Of Food And Agriculture/Miscellaneous Agencies	AP18PPQS&T00C159	12,705	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	California Department Of Food And Agriculture/Miscellaneous Agencies Total		12,705	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	University Of Florida	010885	104,239	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	University Of Florida	011222	39,988	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Pass-through	University Of Florida Total		144,226	
10.025	Plant And Animal Disease, Pest Control, And Animal Care Total				3,618,777	50,096
10.168	Farmers Market Promotion Program	Direct	United States Department Of Agriculture (USDA)	Various	85,860	44,903
10.168	Farmers Market Promotion Program	Direct	United States Department Of Agriculture (USDA) Total		85,860	44,903
10.168	Farmers Market Promotion Program Total				85,860	44,903
10.170	Specialty Crop Block Grant Program - Farm Bill	Direct	United States Department Of Agriculture (USDA)	Various	4,105	
10.170	Specialty Crop Block Grant Program - Farm Bill	Direct	United States Department Of Agriculture (USDA) Total		4,105	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Bachand & Associates	2030.02-1.00	12,437	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Bachand & Associates	30C70	48	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Bachand & Associates Total		12,485	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	009926	229,249	57,557
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	010307	61,868	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	010360	156,882	130,775
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	010404	32,611	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	010498	118,697	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	011234	8,018	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	011250	42,926	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	011251	84,899	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	16-0555-051-SC	15,419	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	17-0275-015-SC	114,112	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	17027502-SC	159,865	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	170275032SC	185,761	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	17-0275-034-SC	186,892	21,917
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	17-0275-036-SC	228,231	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	17-0275-037-SC	165,199	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	17-0275-041-SC	140,009	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	17-0275-043-SC	136,446	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	17-0275-045-SC	141,377	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	17-0275-046-SC	113,410	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	17-0275-047-SC	153,843	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	17-0275-049-SC	91,197	61,815
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-014-SC	81,426	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-016-SC	78,214	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-019-SC	100,907	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-020-SC	52,030	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-025-SC	198,161	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-026-SC	95,059	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-027-SC	244,148	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-028-SC	59,674	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-029-SC	145,164	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-030-SC	91,392	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-044-SC	114,884	4,731
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-053-SC	68,112	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-054-SC	152,318	85,165
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-056-SC	111,692	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	18-0001-057-SC	93,553	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-002-SF	20,612	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-013-SF	106,577	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-015-SF	27,108	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-016-SF	59,530	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-017-SF	106,335	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-020-SF	21,357	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-021-SF	69,725	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-029-SF	8,119	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-032-SF	38,111	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-037-SF	13,628	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-043-SF	37,303	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-050-SF	19,475	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-059-SF	20,786	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	19-0001-060-SF	64,487	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	20B84	(669)	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	26C79	131,040	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	27C13	115,465	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	27C17	16,287	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	27C34	54,074	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	27C35	22,261	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	27C59	82,511	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	28C39	7,566	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	32B40	219	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	36A31	(223)	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	38A06	(149)	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	61799	9,311	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	72B71	131,344	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	79C81	4,751	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	80043	(871)	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	80044	(372)	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	80C32	66,892	21,215
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	80C77	10,904	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	83C52	27,343	

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	89C50	5,820	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	A18-0352-001	116,974	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	A19-0949	90,410	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	A19-0977	15,823	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	AM180100XXXXG003	112,720	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	SCB16015	4,431	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	SCB16022	(632)	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	SCB16035	2,764	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	SCB16036	(123)	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	Y18 - 4017	11,164	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture Total		6,001,820	383,176
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Center For Produce Safety	18-0275-077-SC	134,984	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Center For Produce Safety	2018CPS07	113,960	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Center For Produce Safety	21B07	(567)	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Center For Produce Safety	SCB16069	2,851	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	USDA-AMS-TM-SCBGP-G-	17-003	94,042	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Center For Produce Safety Total		345,271	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Cornell University	2018CPS04	36,307	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Cornell University Total		36,307	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Riverside Unified School District	83C27	16,564	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Riverside Unified School District Total		16,564	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Texas Agrilife Research	TX-SCM-17-04	35,386	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Texas Agrilife Research Total		35,386	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Together We Can Inc	18385	(37)	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	Together We Can Inc Total		(37)	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	University Corporation At Monterey Bay	86B78	20,945	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	University Corporation At Monterey Bay Total		20,945	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	University Of Arizona	501201	13,243	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	University Of Arizona Total		13,243	
10.170	Specialty Crop Block Grant Program - Farm Bill Total				6,486,088	383,176
10.171	Organic Certification Cost Share Programs	Pass-through	California Department Of Food And Agriculture	009374	198,026	
10.171	Organic Certification Cost Share Programs	Pass-through	California Department Of Food And Agriculture Total		198,026	
10.171	Organic Certification Cost Share Programs Total				198,026	
10.172	Local Food Promotion Program	Direct	United States Department Of Agriculture (USDA)	Various	1,211	
10.172	Local Food Promotion Program	Direct	United States Department Of Agriculture (USDA) Total		1,211	
10.172	Local Food Promotion Program Total				1,211	
10.200	Grants For Agricultural Research, Special Research Grants	Direct	United States Department Of Agriculture (USDA)	Various	3,393,386	522,108
10.200	Grants For Agricultural Research, Special Research Grants	Direct	United States Department Of Agriculture (USDA) Total		3,393,386	522,108
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	Colorado State University	75B55	22,101	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	Colorado State University Total		22,101	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	Michigan State University	20187000730417	5,356	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	Michigan State University Total		5,356	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	Mississippi State University	2018350028888	881	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	Mississippi State University Total		881	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	Resources For The Future, Inc.	201700337	26,418	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	Resources For The Future, Inc. Total		26,418	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	State Of Washington	UWSC11795	568	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	State Of Washington Total		568	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	Texas A&M Research Foundation	78C00	5,368	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	Texas A&M Research Foundation	80C87	2,423	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	Texas A&M Research Foundation Total		7,791	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	University Of Florida	008150	92,332	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	University Of Florida	008151	610	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	University Of Florida Total		92,942	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	University Of Washington	2018-38500-28889	11,636	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	University Of Washington	UWSC10994	28,295	11,457
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	University Of Washington	UWSC10997	31,627	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	University Of Washington	UWSC10998	44	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	University Of Washington	UWSC11794	1,048	
10.200	Grants For Agricultural Research, Special Research Grants	Pass-through	University Of Washington Total		72,622	11,457
10.200	Grants For Agricultural Research, Special Research Grants Total				3,622,065	533,565
10.202	Cooperative Forestry Research	Direct	United States Department Of Agriculture (USDA)	Various	643,284	
10.202	Cooperative Forestry Research	Direct	United States Department Of Agriculture (USDA) Total		643,284	
10.202	Cooperative Forestry Research Total				643,284	
10.203	Payments To Agricultural Experiment Stations Under The Hatch Act	Direct	United States Department Of Agriculture (USDA)	Various	6,848,455	
10.203	Payments To Agricultural Experiment Stations Under The Hatch Act	Direct	United States Department Of Agriculture (USDA) Total		6,848,455	
10.203	Payments To Agricultural Experiment Stations Under The Hatch Act	Pass-through	University Of Kentucky/University Of Kentucky Research Foundation	201701416	1,050	
10.203	Payments To Agricultural Experiment Stations Under The Hatch Act	Pass-through	University Of Kentucky/University Of Kentucky Research Foundation Total		1,050	
10.203	Payments To Agricultural Experiment Stations Under The Hatch Act Total				6,849,505	
10.207	Animal Health And Disease Research	Direct	United States Department Of Agriculture (USDA)	Various	172,996	
10.207	Animal Health And Disease Research	Direct	United States Department Of Agriculture (USDA) Total		172,996	
10.207	Animal Health And Disease Research Total				172,996	
10.210	Higher Education - Graduate Fellowships Grant Program	Direct	United States Department Of Agriculture (USDA)	Various	76,486	
10.210	Higher Education - Graduate Fellowships Grant Program	Direct	United States Department Of Agriculture (USDA) Total		76,486	
10.210	Higher Education - Graduate Fellowships Grant Program Total				76,486	
10.215	Sustainable Agriculture Research And Education	Direct	United States Department Of Agriculture (USDA)	Various	128,883	
10.215	Sustainable Agriculture Research And Education	Direct	United States Department Of Agriculture (USDA) Total		128,883	
10.215	Sustainable Agriculture Research And Education	Pass-through	Amador Resource Conservation District	75C90	5,269	
10.215	Sustainable Agriculture Research And Education	Pass-through	Amador Resource Conservation District Total		5,269	
10.215	Sustainable Agriculture Research And Education	Pass-through	California State University Sacramento/University Enterprises, Inc.	2017-38640-26913	37,658	
10.215	Sustainable Agriculture Research And Education	Pass-through	California State University Sacramento/University Enterprises, Inc. Total		37,658	
10.215	Sustainable Agriculture Research And Education	Pass-through	Montana State University	010789	1,083	
10.215	Sustainable Agriculture Research And Education	Pass-through	Montana State University	35C03	22,960	
10.215	Sustainable Agriculture Research And Education	Pass-through	Montana State University	73C06	13,266	
10.215	Sustainable Agriculture Research And Education	Pass-through	Montana State University	G170-20-W7503	2,848	
10.215	Sustainable Agriculture Research And Education	Pass-through	Montana State University	G334-20-W7899	2,853	
10.215	Sustainable Agriculture Research And Education	Pass-through	Montana State University Total		43,010	
10.215	Sustainable Agriculture Research And Education	Pass-through	Utah State University	200592-446	9,297	
10.215	Sustainable Agriculture Research And Education	Pass-through	Utah State University	201207-596	1,908	
10.215	Sustainable Agriculture Research And Education	Pass-through	Utah State University	201207-677	3,413	
10.215	Sustainable Agriculture Research And Education	Pass-through	Utah State University	20163864025383	3,171	
10.215	Sustainable Agriculture Research And Education	Pass-through	Utah State University	82B19	6,566	
10.215	Sustainable Agriculture Research And Education	Pass-through	Utah State University	82B78	5,532	
10.215	Sustainable Agriculture Research And Education	Pass-through	Utah State University Total		29,887	
10.215	Sustainable Agriculture Research And Education Total				244,708	
10.216	1890 Institution Capacity Building Grants	Pass-through	Florida Agricultural And Mechanical University	010954	17,818	
10.216	1890 Institution Capacity Building Grants	Pass-through	Florida Agricultural And Mechanical University Total		17,818	

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10.216	1890 Institution Capacity Building Grants Total				17,818	
10.217	Higher Education - Institution Challenge Grants Program	Pass-through	University Of Kentucky/University Of Kentucky Research Foundation	320000126618052	17,574	
10.217	Higher Education - Institution Challenge Grants Program	Pass-through	University Of Kentucky/University Of Kentucky Research Foundation Total		17,574	
10.217	Higher Education - Institution Challenge Grants Program Total				17,574	
10.219	Biotechnology Risk Assessment Research	Direct	United States Department Of Agriculture (USDA)	Various	290,792	
10.219	Biotechnology Risk Assessment Research	Direct	United States Department Of Agriculture (USDA) Total		290,792	
10.219	Biotechnology Risk Assessment Research Total				290,792	
10.220	Higher Education - Multicultural Scholars Grant Program	Direct	United States Department Of Agriculture (USDA)	Various	52,876	
10.220	Higher Education - Multicultural Scholars Grant Program	Direct	United States Department Of Agriculture (USDA) Total		52,876	
10.220	Higher Education - Multicultural Scholars Grant Program Total				52,876	
10.223	Hispanic Serving Institutions Education Grants	Direct	United States Department Of Agriculture (USDA)	Various	418,232	2,924
10.223	Hispanic Serving Institutions Education Grants	Direct	United States Department Of Agriculture (USDA) Total		418,232	2,924
10.223	Hispanic Serving Institutions Education Grants	Pass-through	California State University Fullerton/Csu Fullerton Auxiliary Services	S-6286-UCSB	6,174	
10.223	Hispanic Serving Institutions Education Grants	Pass-through	California State University Fullerton/Csu Fullerton Auxiliary Services Total		6,174	
10.223	Hispanic Serving Institutions Education Grants Total				424,406	2,924
10.226	Secondary And Two-Year Postsecondary Agriculture Education Challenge Grants	Direct	United States Department Of Agriculture (USDA)	Various	14,965	
10.226	Secondary And Two-Year Postsecondary Agriculture Education Challenge Grants	Direct	United States Department Of Agriculture (USDA) Total		14,965	
10.226	Secondary And Two-Year Postsecondary Agriculture Education Challenge Grants	Pass-through	Montana State University	G189-20-W7990	33,858	
10.226	Secondary And Two-Year Postsecondary Agriculture Education Challenge Grants	Pass-through	Montana State University Total		33,858	
10.226	Secondary And Two-Year Postsecondary Agriculture Education Challenge Grants Total				48,823	
10.227	1994 Institutions Research Program	Pass-through	Northwest Indian College	A18-0315-001	25,669	
10.227	1994 Institutions Research Program	Pass-through	Northwest Indian College	A19-0378-001	13,039	
10.227	1994 Institutions Research Program	Pass-through	Northwest Indian College Total		38,708	
10.227	1994 Institutions Research Program Total				38,708	
10.250	Agricultural And Rural Economic Research, Cooperative Agreements And Collaborations	Direct	United States Department Of Agriculture (USDA)	Various	168,164	
10.250	Agricultural And Rural Economic Research, Cooperative Agreements And Collaborations	Direct	United States Department Of Agriculture (USDA) Total		168,164	
10.250	Agricultural And Rural Economic Research, Cooperative Agreements And Collaborations Total				168,164	
10.253	Consumer Data And Nutrition Research	Direct	United States Department Of Agriculture (USDA)	Various	86,853	
10.253	Consumer Data And Nutrition Research	Direct	United States Department Of Agriculture (USDA) Total		86,853	
10.253	Consumer Data And Nutrition Research	Pass-through	Tufts University	101383-00001-PAGE	744	
10.253	Consumer Data And Nutrition Research	Pass-through	Tufts University Total		744	
10.253	Consumer Data And Nutrition Research Total				87,598	
10.303	Integrated Programs	Direct	United States Department Of Agriculture (USDA)	Various	350,335	28,954
10.303	Integrated Programs	Direct	United States Department Of Agriculture (USDA) Total		350,335	28,954
10.303	Integrated Programs	Pass-through	North Carolina State University	89638	44,772	
10.303	Integrated Programs	Pass-through	North Carolina State University Total		44,772	
10.303	Integrated Programs Total				395,107	28,954
10.304	Homeland Security Agricultural	Direct	United States Department Of Agriculture (USDA)	Various	649,706	360,268
10.304	Homeland Security Agricultural	Direct	United States Department Of Agriculture (USDA) Total		649,706	360,268
10.304	Homeland Security Agricultural Total				649,706	360,268
10.307	Organic Agriculture Research And Extension Initiative	Direct	United States Department Of Agriculture (USDA)	Various	622,912	174,930
10.307	Organic Agriculture Research And Extension Initiative	Direct	United States Department Of Agriculture (USDA) Total		622,912	174,930
10.307	Organic Agriculture Research And Extension Initiative	Pass-through	University Of Georgia	61276	172	
10.307	Organic Agriculture Research And Extension Initiative	Pass-through	University Of Georgia	SUB00001850	1,265	
10.307	Organic Agriculture Research And Extension Initiative	Pass-through	University Of Georgia Total		1,437	
10.307	Organic Agriculture Research And Extension Initiative	Pass-through	Washington State University	007902	89,479	
10.307	Organic Agriculture Research And Extension Initiative	Pass-through	Washington State University Total		89,479	
10.307	Organic Agriculture Research And Extension Initiative Total				713,828	174,930
10.308	Resident Instruction Grants For Insular Area Activities	Pass-through	University Of Georgia	SUB00000427	45,532	
10.308	Resident Instruction Grants For Insular Area Activities	Pass-through	University Of Georgia Total		45,532	
10.308	Resident Instruction Grants For Insular Area Activities Total				45,532	
10.309	Specialty Crop Research Initiative	Direct	United States Department Of Agriculture (USDA)	Various	9,398,727	2,580,111
10.309	Specialty Crop Research Initiative	Direct	United States Department Of Agriculture (USDA) Total		9,398,727	2,580,111
10.309	Specialty Crop Research Initiative	Pass-through	Clemson University	20145118122372	73,720	
10.309	Specialty Crop Research Initiative	Pass-through	Clemson University	82094	5,232	
10.309	Specialty Crop Research Initiative	Pass-through	Clemson University Total		78,952	
10.309	Specialty Crop Research Initiative	Pass-through	Cornell University	7640110608	58,457	
10.309	Specialty Crop Research Initiative	Pass-through	Cornell University	8198010922	51,329	
10.309	Specialty Crop Research Initiative	Pass-through	Cornell University Total		109,786	
10.309	Specialty Crop Research Initiative	Pass-through	Kansas State University	S15193	105,279	
10.309	Specialty Crop Research Initiative	Pass-through	Kansas State University Total		105,279	
10.309	Specialty Crop Research Initiative	Pass-through	Michigan State University	2014-51181-22378	16,089	
10.309	Specialty Crop Research Initiative	Pass-through	Michigan State University Total		16,089	
10.309	Specialty Crop Research Initiative	Pass-through	North Carolina State University	008663	3,389	
10.309	Specialty Crop Research Initiative	Pass-through	North Carolina State University	011252	342	
10.309	Specialty Crop Research Initiative	Pass-through	North Carolina State University	2016022807	58,668	
10.309	Specialty Crop Research Initiative	Pass-through	North Carolina State University	2017-0398-11	101,292	
10.309	Specialty Crop Research Initiative	Pass-through	North Carolina State University	20B88	18,583	
10.309	Specialty Crop Research Initiative	Pass-through	North Carolina State University	24B87	13,714	
10.309	Specialty Crop Research Initiative	Pass-through	North Carolina State University	89167	62,632	
10.309	Specialty Crop Research Initiative	Pass-through	North Carolina State University Total		278,621	
10.309	Specialty Crop Research Initiative	Pass-through	Rutgers, The State University Of New Jersey	0849-PP2018-NINO	78,247	
10.309	Specialty Crop Research Initiative	Pass-through	Rutgers, The State University Of New Jersey	29C62	153,370	
10.309	Specialty Crop Research Initiative	Pass-through	Rutgers, The State University Of New Jersey Total		231,617	
10.309	Specialty Crop Research Initiative	Pass-through	Texas A&M Research Foundation	010263	2,302	
10.309	Specialty Crop Research Initiative	Pass-through	Texas A&M Research Foundation	72B72	6,983	
10.309	Specialty Crop Research Initiative	Pass-through	Texas A&M Research Foundation Total		9,284	
10.309	Specialty Crop Research Initiative	Pass-through	Texas A&M University - College Station	M1803482	113,490	
10.309	Specialty Crop Research Initiative	Pass-through	Texas A&M University - College Station Total		113,490	
10.309	Specialty Crop Research Initiative	Pass-through	University Of Florida	009448	156,668	
10.309	Specialty Crop Research Initiative	Pass-through	University Of Florida	009522	116,952	
10.309	Specialty Crop Research Initiative	Pass-through	University Of Florida	20197001629096	199	
10.309	Specialty Crop Research Initiative	Pass-through	University Of Florida	UFDSP00011008	91,323	
10.309	Specialty Crop Research Initiative	Pass-through	University Of Florida	UFDSP00011788	92,264	

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10.309	Specialty Crop Research Initiative	Pass-through	University Of Florida Total		457,405	
10.309	Specialty Crop Research Initiative	Pass-through	Washington State University	133396-G003925	10,623	
10.309	Specialty Crop Research Initiative	Pass-through	Washington State University	24C25	44,072	
10.309	Specialty Crop Research Initiative	Pass-through	Washington State University	84C12	10,031	
10.309	Specialty Crop Research Initiative	Pass-through	Washington State University Total		64,725	
10.309	Specialty Crop Research Initiative Total				10,863,975	2,580,111
10.310	Agriculture And Food Research Initiative (AFRI)	Direct	United States Department Of Agriculture (USDA)	Various	15,290,412	3,497,073
10.310	Agriculture And Food Research Initiative (AFRI)	Direct	United States Department Of Agriculture (USDA) Total		15,290,412	3,497,073
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Auburn University	010018	18,309	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Auburn University Total		18,309	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Colorado State University	2016-68007-25006	100,462	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Colorado State University	G-89706-01	16,812	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Colorado State University Total		117,274	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Cornell University	010974	163	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Cornell University Total		163	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Iowa State University	416-41-87A	88,017	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Iowa State University Total		88,017	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Kansas State University	20166800725066	3,270	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Kansas State University	S16114	12,911	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Kansas State University Total		16,181	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Michigan State University	74A11	20,970	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Michigan State University Total		20,970	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Mississippi State University	011413	12,003	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Mississippi State University Total		12,003	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	North Carolina State University	010731	2,659	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	North Carolina State University Total		2,659	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Ohio State University	20186800327466	54,229	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Ohio State University Total		54,229	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Oregon State University	2018-67023-27690	49,545	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Oregon State University Total		49,545	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Pennsylvania State University	6087-UCD-USDA-9400	56,667	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Pennsylvania State University Total		56,667	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Texas A&M Research Foundation	M1701755-CYC1	28,464	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Texas A&M Research Foundation Total		28,464	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Texas A&M University - College Station	009234	27,639	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Texas A&M University - College Station Total		27,639	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Colorado Boulder	82B20	12,265	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Colorado Boulder Total		12,265	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Connecticut	366075	15,828	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Connecticut Total		15,828	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Florida	009625	108,668	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Florida	2019-67021-29691	10,487	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Florida Total		119,155	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Georgia	29A08	15,096	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Georgia Total		15,096	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Illinois At Urbana-Champaign	86518	(133)	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Illinois At Urbana-Champaign Total		(133)	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Maryland	32470Z5768002	64,275	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Maryland Total		64,275	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Massachusetts Amherst	009822	28,560	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Massachusetts Amherst Total		28,560	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Minnesota	H005365301	5,704	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Minnesota Total		5,704	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Missouri	010799	65,616	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Missouri Total		65,616	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Nebraska	25623902350306	17,920	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Nebraska Total		17,920	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Nebraska-Lincoln	25-6226-0601-002	14,088	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Nebraska-Lincoln Total		14,088	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of North Carolina At Greensboro	009009	65,171	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of North Carolina At Greensboro Total		65,171	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Oregon	239120A	27,920	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Oregon Total		27,920	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Tennessee	009776	92,886	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Tennessee Total		92,886	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Vermont	2018-68008-28091	10,478	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Vermont	24B85	8,854	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	University Of Vermont Total		19,332	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Virginia Polytechnic Institute And State University	SUB 422692-19A28 (2019-67013-2	5,628	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Virginia Polytechnic Institute And State University Total		5,628	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Washington State University	123694G003751	41,324	
10.310	Agriculture And Food Research Initiative (AFRI)	Pass-through	Washington State University Total		41,324	
10.310	Agriculture And Food Research Initiative (AFRI) Total				16,393,169	3,497,073
10.311	Beginning Farmer And Rancher Development Program	Direct	United States Department Of Agriculture (USDA)	Various	338,003	83,747
10.311	Beginning Farmer And Rancher Development Program	Direct	United States Department Of Agriculture (USDA) Total		338,003	83,747
10.311	Beginning Farmer And Rancher Development Program Total				338,003	83,747
10.312	Biomass Research And Development Initiative Competitive Grants Program (BRDI)	Direct	United States Department Of Agriculture (USDA)	Various	370,914	142,780
10.312	Biomass Research And Development Initiative Competitive Grants Program (BRDI)	Direct	United States Department Of Agriculture (USDA) Total		370,914	142,780
10.312	Biomass Research And Development Initiative Competitive Grants Program (BRDI)	Pass-through	Research Foundation For State University Of New York, The	550-1136404-76518	46,244	
10.312	Biomass Research And Development Initiative Competitive Grants Program (BRDI)	Pass-through	Research Foundation For State University Of New York, The Total		46,244	
10.312	Biomass Research And Development Initiative Competitive Grants Program (BRDI) Total				417,158	142,780
10.320	Sun Grant Program	Pass-through	Oregon State University	2014-385022-22598	16,536	
10.320	Sun Grant Program	Pass-through	Oregon State University Total		16,536	
10.320	Sun Grant Program Total				16,536	
10.326	Capacity Building For Non-Land Grant Colleges Of Agriculture (NLGCA)	Pass-through	University Corporation At Monterey Bay	21B68	(318)	
10.326	Capacity Building For Non-Land Grant Colleges Of Agriculture (NLGCA)	Pass-through	University Corporation At Monterey Bay Total		(318)	
10.326	Capacity Building For Non-Land Grant Colleges Of Agriculture (NLGCA) Total				(318)	
10.328	National Food Safety Training, Education, Extension, Outreach, And Technical Assistance Competitive Grants Program	Direct	United States Department Of Agriculture (USDA)	Various	20,512	
10.328	National Food Safety Training, Education, Extension, Outreach, And Technical Assistance Competitive Grants Program	Direct	United States Department Of Agriculture (USDA) Total		20,512	
10.328	National Food Safety Training, Education, Extension, Outreach, And Technical Assistance Competitive Grants Program	Pass-through	Cornell University	2017-70020-27259	(5,206)	
10.328	National Food Safety Training, Education, Extension, Outreach, And Technical Assistance Competitive Grants Program	Pass-through	Cornell University Total		(5,206)	
10.328	National Food Safety Training, Education, Extension, Outreach, And Technical Assistance Competitive Grants Program	Pass-through	Oregon State University	C0537A-C	7,235	
10.328	National Food Safety Training, Education, Extension, Outreach, And Technical Assistance Competitive Grants Program	Pass-through	Oregon State University Total		7,235	

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10.328	National Food Safety Training, Education, Extension, Outreach, And Technical Assistance Competitive Grants Program Total				22,540	
10.329	Crop Protection And Pest Management Competitive Grants Program	Direct	United States Department Of Agriculture (USDA)	Various	194,479	81,078
10.329	Crop Protection And Pest Management Competitive Grants Program	Direct	United States Department Of Agriculture (USDA) Total		194,479	81,078
10.329	Crop Protection And Pest Management Competitive Grants Program	Pass-through	University Of Arizona	20177000627273	50,812	
10.329	Crop Protection And Pest Management Competitive Grants Program	Pass-through	University Of Arizona Total		50,812	
10.329	Crop Protection And Pest Management Competitive Grants Program Total				245,291	81,078
10.330	Alfalfa And Forage Research Program	Direct	United States Department Of Agriculture (USDA)	Various	370,632	143,534
10.330	Alfalfa And Forage Research Program	Direct	United States Department Of Agriculture (USDA) Total		370,632	143,534
10.330	Alfalfa And Forage Research Program	Pass-through	University Of Wisconsin-Madison	2018-70005-28737	6,235	
10.330	Alfalfa And Forage Research Program	Pass-through	University Of Wisconsin-Madison Total		6,235	
10.330	Alfalfa And Forage Research Program	Pass-through	Utah State University	200612-00001-345	13,914	
10.330	Alfalfa And Forage Research Program	Pass-through	Utah State University Total		13,914	
10.330	Alfalfa And Forage Research Program Total				390,781	143,534
10.331	Food Insecurity Nutrition Incentive Grants Program	Direct	United States Department Of Agriculture (USDA)	Various	684,614	
10.331	Food Insecurity Nutrition Incentive Grants Program	Direct	United States Department Of Agriculture (USDA) Total		684,614	
10.331	Food Insecurity Nutrition Incentive Grants Program	Pass-through	California Department Of Food And Agriculture	76B33	81,005	
10.331	Food Insecurity Nutrition Incentive Grants Program	Pass-through	California Department Of Food And Agriculture Total		81,005	
10.331	Food Insecurity Nutrition Incentive Grants Program Total				765,619	
10.336	Veterinary Services Grant Program	Pass-through	North Carolina State University	20177002427344	3,942	
10.336	Veterinary Services Grant Program	Pass-through	North Carolina State University Total		3,942	
10.336	Veterinary Services Grant Program Total				3,942	
10.500	Food Safety Cooperative Agreements	Direct	United States Department Of Agriculture (USDA)	Various	1,409,561	13,000
10.500	Food Safety Cooperative Agreements	Direct	United States Department Of Agriculture (USDA) Total		1,409,561	13,000
10.500	Food Safety Cooperative Agreements	Pass-through	Bioprodex, Inc.	89BE9	2,832	
10.500	Food Safety Cooperative Agreements	Pass-through	Bioprodex, Inc. Total		2,832	
10.500	Food Safety Cooperative Agreements Total				1,412,393	13,000
10.511	Smith-Lever 3(B) And 3(C), Smith-Lever Special Needs, And University Of District Of Columbia Public Postsecondary Education Reorganization Act Program	Direct	United States Department Of Agriculture (USDA)	Various	8,610	
10.511	Smith-Lever 3(B) And 3(C), Smith-Lever Special Needs, And University Of District Of Columbia Public Postsecondary Education Reorganization Act Program	Direct	United States Department Of Agriculture (USDA) Total		8,610	
10.511	Smith-Lever 3(B) And 3(C), Smith-Lever Special Needs, And University Of District Of Columbia Public Postsecondary Education Reorganization Act Program Total				8,610	
10.515	Renewable Resources Extension Act (RREA) & National Focus Funds (RREA-NFF)	Direct	United States Department Of Agriculture (USDA)	Various	466	
10.515	Renewable Resources Extension Act (RREA) & National Focus Funds (RREA-NFF)	Direct	United States Department Of Agriculture (USDA) Total		466	
10.515	Renewable Resources Extension Act (RREA) & National Focus Funds (RREA-NFF) Total				466	
10.557	Special Supplemental Nutrition Program For Women, Infants, And Children (WIC)	Pass-through	Heluna Health	21C80	(2,593)	
10.557	Special Supplemental Nutrition Program For Women, Infants, And Children (WIC)	Pass-through	Heluna Health	24C75	32,315	
10.557	Special Supplemental Nutrition Program For Women, Infants, And Children (WIC)	Pass-through	Heluna Health Total		29,722	
10.557	Special Supplemental Nutrition Program For Women, Infants, And Children (WIC) Total				29,722	
10.585	Fns Food Safety Grants	Pass-through	Westat	71B60	8,476	
10.585	Fns Food Safety Grants	Pass-through	Westat Total		8,476	
10.585	Fns Food Safety Grants Total				8,476	
10.604	Technical Assistance For Specialty Crops Program	Direct	United States Department Of Agriculture (USDA)	010482	355	
10.604	Technical Assistance For Specialty Crops Program	Direct	United States Department Of Agriculture (USDA) Total		355	
10.604	Technical Assistance For Specialty Crops Program	Pass-through	California Citrus Quality Council	201700468	40,178	
10.604	Technical Assistance For Specialty Crops Program	Pass-through	California Citrus Quality Council Total		40,178	
10.604	Technical Assistance For Specialty Crops Program	Pass-through	California Department Of Food And Agriculture	010741	79,318	
10.604	Technical Assistance For Specialty Crops Program	Pass-through	California Department Of Food And Agriculture Total		79,318	
10.604	Technical Assistance For Specialty Crops Program	Pass-through	Citrus Research Program	009797	46,392	
10.604	Technical Assistance For Specialty Crops Program	Pass-through	Citrus Research Program	009798	91,414	
10.604	Technical Assistance For Specialty Crops Program	Pass-through	Citrus Research Program	010622	95,117	
10.604	Technical Assistance For Specialty Crops Program	Pass-through	Citrus Research Program Total		232,923	
10.604	Technical Assistance For Specialty Crops Program	Pass-through	Rutgers, The State University Of New Jersey	25C18	10,628	
10.604	Technical Assistance For Specialty Crops Program	Pass-through	Rutgers, The State University Of New Jersey	TASC 2018-08	20,205	7,500
10.604	Technical Assistance For Specialty Crops Program	Pass-through	Rutgers, The State University Of New Jersey Total		30,833	7,500
10.604	Technical Assistance For Specialty Crops Program Total				383,607	7,500
10.612	USDA Local And Regional Food Aid Procurement Program	Direct	United States Department Of Agriculture (USDA)	Various	16,288	16,288
10.612	USDA Local And Regional Food Aid Procurement Program	Direct	United States Department Of Agriculture (USDA) Total		16,288	16,288
10.612	USDA Local And Regional Food Aid Procurement Program	Pass-through	Almond Board Of California	18_HARV3A/EHSANI	51,598	
10.612	USDA Local And Regional Food Aid Procurement Program	Pass-through	Almond Board Of California Total		51,598	
10.612	USDA Local And Regional Food Aid Procurement Program	Pass-through	Davren Us Nuts LLC	57598	16,422	
10.612	USDA Local And Regional Food Aid Procurement Program	Pass-through	Davren Us Nuts LLC Total		16,422	
10.612	USDA Local And Regional Food Aid Procurement Program	Pass-through	State University System Of Florida	58153	88	
10.612	USDA Local And Regional Food Aid Procurement Program	Pass-through	State University System Of Florida Total		88	
10.612	USDA Local And Regional Food Aid Procurement Program	Pass-through	U.S. Department Of Agriculture Agricultural Research Service (ARS)	58607	22,180	
10.612	USDA Local And Regional Food Aid Procurement Program	Pass-through	U.S. Department Of Agriculture Agricultural Research Service (ARS) Total		22,180	
10.612	USDA Local And Regional Food Aid Procurement Program Total				106,576	16,288
10.652	Forestry Research	Direct	United States Department Of Agriculture (USDA)	Various	350,379	
10.652	Forestry Research	Direct	United States Department Of Agriculture (USDA) Total		350,379	
10.652	Forestry Research Total				350,379	
10.664	Cooperative Forestry Assistance	Pass-through	Treepeople Inc	0002	1,498	
10.664	Cooperative Forestry Assistance	Pass-through	Treepeople Inc Total		1,498	
10.664	Cooperative Forestry Assistance Total				1,498	
10.674	Wood Utilization Assistance	Direct	United States Department Of Agriculture (USDA)	Various	12,093	
10.674	Wood Utilization Assistance	Direct	United States Department Of Agriculture (USDA) Total		12,093	
10.674	Wood Utilization Assistance	Pass-through	California Association Of Sanitation Agencies	17-DG-11052021	1,615	
10.674	Wood Utilization Assistance	Pass-through	California Association Of Sanitation Agencies Total		1,615	
10.674	Wood Utilization Assistance Total				13,707	

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10.675	Urban And Community Forestry Program	Direct	United States Department Of Agriculture (USDA)	Various	10,699	
10.675	Urban And Community Forestry Program	Direct	United States Department Of Agriculture (USDA) Total		10,699	
10.675	Urban And Community Forestry Program	Pass-through	California Department Of Forestry And Fire Protection	18-DG-11052021-212	92,568	
10.675	Urban And Community Forestry Program	Pass-through	California Department Of Forestry And Fire Protection Total		92,568	
10.675	Urban And Community Forestry Program Total				103,266	
10.680	Forest Health Protection	Direct	United States Department Of Agriculture (USDA)	Various	353,666	
10.680	Forest Health Protection	Direct	United States Department Of Agriculture (USDA) Total		353,666	
10.680	Forest Health Protection	Pass-through	Montana State University	G114-19-W5957	4,699	
10.680	Forest Health Protection	Pass-through	Montana State University Total		4,699	
10.680	Forest Health Protection Total				358,365	
10.684	International Forestry Programs	Direct	United States Department Of Agriculture (USDA)	Various	368,769	
10.684	International Forestry Programs	Direct	United States Department Of Agriculture (USDA) Total		368,769	
10.684	International Forestry Programs Total				368,769	
10.699	Partnership Agreements	Direct	United States Department Of Agriculture (USDA)	Various	170,807	
10.699	Partnership Agreements	Direct	United States Department Of Agriculture (USDA) Total		170,807	
10.699	Partnership Agreements Total				170,807	
10.707	Research Joint Venture And Cost Reimbursable Agreements	Direct	United States Department Of Agriculture (USDA)	Various	24,738	
10.707	Research Joint Venture And Cost Reimbursable Agreements	Direct	United States Department Of Agriculture (USDA) Total		24,738	
10.707	Research Joint Venture And Cost Reimbursable Agreements Total				24,738	
10.902	Soil And Water Conservation	Direct	United States Department Of Agriculture (USDA)	Various	326,172	
10.902	Soil And Water Conservation	Direct	United States Department Of Agriculture (USDA) Total		326,172	
10.902	Soil And Water Conservation Total				326,172	
10.903	Soil Survey	Direct	United States Department Of Agriculture (USDA)	Various	(19,778)	
10.903	Soil Survey	Direct	United States Department Of Agriculture (USDA) Total		(19,778)	
10.903	Soil Survey Total				(19,778)	
10.912	Environmental Quality Incentives Program	Direct	United States Department Of Agriculture (USDA)	Various	73,403	21,742
10.912	Environmental Quality Incentives Program	Direct	United States Department Of Agriculture (USDA) Total		73,403	21,742
10.912	Environmental Quality Incentives Program	Pass-through	American Rivers	60358	(5,672)	
10.912	Environmental Quality Incentives Program	Pass-through	American Rivers Total		(5,672)	
10.912	Environmental Quality Incentives Program	Pass-through	Nature Conservancy	23CB9	4,160	
10.912	Environmental Quality Incentives Program	Pass-through	Nature Conservancy Total		4,160	
10.912	Environmental Quality Incentives Program	Pass-through	Terra Global Capital, LLC	201503505	1,151	
10.912	Environmental Quality Incentives Program	Pass-through	Terra Global Capital, LLC Total		1,151	
10.912	Environmental Quality Incentives Program Total				73,042	21,742
10.960	Technical Agricultural Assistance	Direct	United States Department Of Agriculture (USDA)	Various	136,733	51,304
10.960	Technical Agricultural Assistance	Direct	United States Department Of Agriculture (USDA) Total		136,733	51,304
10.960	Technical Agricultural Assistance Total				136,733	51,304
10.962	Cochran Fellowship Program-International Training-Foreign Participant	Direct	United States Department Of Agriculture (USDA)	Various	46,394	
10.962	Cochran Fellowship Program-International Training-Foreign Participant	Direct	United States Department Of Agriculture (USDA) Total		46,394	
10.962	Cochran Fellowship Program-International Training-Foreign Participant Total				46,394	
10.RD		Direct	United States Department Of Agriculture (USDA)	Various	307,433	
10.RD		Direct	United States Department Of Agriculture (USDA)	18-JV-11272138-064	174,665	
10.RD		Direct	United States Department Of Agriculture (USDA)	17CS11052007074	117,101	
10.RD		Direct	United States Department Of Agriculture (USDA)	15-PA-11272139-074	86,971	
10.RD		Direct	United States Department Of Agriculture (USDA)	19-CS-11052007-038	75,119	
10.RD		Direct	United States Department Of Agriculture (USDA)	18-JV-11272139-070	58,352	
10.RD		Direct	United States Department Of Agriculture (USDA)	18-CS-11052003-047	55,923	
10.RD		Direct	United States Department Of Agriculture (USDA)	18-JV-11272139-031	53,089	
10.RD		Direct	United States Department Of Agriculture (USDA)	17JV11272139026	50,831	24,041
10.RD		Direct	United States Department Of Agriculture (USDA)	15JV11272139033	50,370	
10.RD		Direct	United States Department Of Agriculture (USDA)	15-JV-11272139-071	37,898	
10.RD		Direct	United States Department Of Agriculture (USDA)	17-JV-11272138-024	28,482	
10.RD		Direct	United States Department Of Agriculture (USDA)	20-JV-11272139-04	26,716	
10.RD		Direct	United States Department Of Agriculture (USDA)	19-JV-11272139-024	22,680	
10.RD		Direct	United States Department Of Agriculture (USDA)	15-JV-11272138-014	19,273	
10.RD		Direct	United States Department Of Agriculture (USDA)	15CS11052007041	17,147	
10.RD		Direct	United States Department Of Agriculture (USDA)	19-JV-11272139-041	13,905	
10.RD		Direct	United States Department Of Agriculture (USDA)	18-JV-11272139-019	12,519	
10.RD		Direct	United States Department Of Agriculture (USDA)	14JV11221636133	10,094	
10.RD		Direct	United States Department Of Agriculture (USDA)	16JV11261987091	9,868	
10.RD		Direct	United States Department Of Agriculture (USDA)	17CS11272139080	5,171	
10.RD		Direct	United States Department Of Agriculture (USDA)	15CS11051600024	4,988	
10.RD		Direct	United States Department Of Agriculture (USDA)	19-JV-11272138-074	3,914	
10.RD		Direct	United States Department Of Agriculture (USDA)	18-JV-11272139-025	3,902	
10.RD		Direct	United States Department Of Agriculture (USDA)	16CR11052006073	2,937	
10.RD		Direct	United States Department Of Agriculture (USDA)	18-JV-11272139-055	2,700	
10.RD		Direct	United States Department Of Agriculture (USDA)	18-JV-11272131-063	1,704	
10.RD		Direct	United States Department Of Agriculture (USDA)	16JV11272131065	799	
10.RD		Direct	United States Department Of Agriculture (USDA)	16PA11272138018	453,355	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-037	401,404	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-048	106,022	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-044	69,525	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-038	58,371	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-057	56,721	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-045	55,025	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-056	49,870	
10.RD		Direct	United States Department Of Agriculture (USDA)	20-JV-11272139-025	48,305	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-061	48,800	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2030-9-018	46,430	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-062	46,088	
10.RD		Direct	United States Department Of Agriculture (USDA)	5820309028	42,929	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2030-0-004	42,844	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-010	37,719	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-052	35,300	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-014	33,128	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-015	32,349	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-8-068	32,193	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2034-9-026	25,948	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-0-017	25,785	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-049	25,477	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-8-073	25,060	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-0-008	24,441	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2030-0-012	23,913	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-0-020	22,753	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2030-0-009	22,477	
10.RD		Direct	United States Department Of Agriculture (USDA)	20-JV-11272139-019	22,269	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-8-050	21,750	

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10.RD		Direct	United States Department Of Agriculture (USDA)	58-2030-9-046	20,484	
10.RD		Direct	United States Department Of Agriculture (USDA)	5820309017	19,138	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-036	18,941	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-0-007	18,409	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-0-018	17,932	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-8-066	17,844	
10.RD		Direct	United States Department Of Agriculture (USDA)	17-JV-11272139-037	17,634	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-019	17,455	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-8-072	15,365	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-0-027	15,250	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-047	15,250	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-0-012	14,496	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-040	13,958	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-005	13,731	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-0-019	13,657	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-023	12,572	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-034	12,423	
10.RD		Direct	United States Department Of Agriculture (USDA)	17-JV-11272138-028	12,357	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-033	11,136	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-8-074	10,726	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2030-9-050	9,896	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-030	6,053	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-5062-7-018	4,885	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-001	4,453	
10.RD		Direct	United States Department Of Agriculture (USDA)	20-JV-11272139-023	4,363	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-058	3,817	
10.RD		Direct	United States Department Of Agriculture (USDA)	17JV11272138054	3,777	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-028	3,528	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2030-0-006	3,139	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-8-031	2,960	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2030-9-013	2,374	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-009	2,357	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2038-9-024	2,303	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-8-060	2,196	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-9-012	1,486	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-8-054	1,476	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2034-9-010	1,260	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2032-8-055	1,084	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-2030-8-035	132	
10.RD		Direct	United States Department Of Agriculture (USDA)	58-3000-7-0087	(975)	
10.RD		Direct	United States Department Of Agriculture (USDA)	008162	33,712	
10.RD		Direct	United States Department Of Agriculture (USDA) Total		3,594,543	24,041
10.RD		Pass-through	National Fish And Wildlife Foundation	0806.17.055495	5,859	
10.RD		Pass-through	National Fish And Wildlife Foundation	0808.17.057446	15,741	
10.RD		Pass-through	National Fish And Wildlife Foundation	0808.17.057447	1,441	
10.RD		Pass-through	National Fish And Wildlife Foundation	84B06	5,525	
10.RD		Pass-through	National Fish And Wildlife Foundation Total		28,564	
10.RD		Pass-through	University Of Minnesota	H006588501	30,471	
10.RD		Pass-through	University Of Minnesota Total		30,471	
10.RD		Pass-through	Westat	72B02	12,893	
10.RD		Pass-through	Westat Total		12,893	
10.RD	Total				3,666,471	24,041
11.011	Ocean Exploration	Direct	Department Of Commerce (DOC)	Various	409,100	
11.011	Ocean Exploration	Direct	Department Of Commerce (DOC) Total		409,100	
11.011	Ocean Exploration Total				409,100	
11.012	Integrated Ocean Observing System (IOOS)	Direct	Department Of Commerce (DOC)	Various	3,177,553	527,204
11.012	Integrated Ocean Observing System (IOOS)	Direct	Department Of Commerce (DOC) Total		3,177,553	527,204
11.012	Integrated Ocean Observing System (IOOS)	Pass-through	Monterey Bay Aquarium Research Institute	1611447	463,722	
11.012	Integrated Ocean Observing System (IOOS)	Pass-through	Monterey Bay Aquarium Research Institute	1710308.5	45,233	
11.012	Integrated Ocean Observing System (IOOS)	Pass-through	Monterey Bay Aquarium Research Institute	87C98	165,161	
11.012	Integrated Ocean Observing System (IOOS)	Pass-through	Monterey Bay Aquarium Research Institute	A16-0171-007	106,419	
11.012	Integrated Ocean Observing System (IOOS)	Pass-through	Monterey Bay Aquarium Research Institute Total		780,536	
11.012	Integrated Ocean Observing System (IOOS)	Pass-through	University Of Maryland	A16-0218-003	80,872	
11.012	Integrated Ocean Observing System (IOOS)	Pass-through	University Of Maryland Total		80,872	
11.012	Integrated Ocean Observing System (IOOS) Total				4,038,961	527,204
11.017	Ocean Acidification Program (OAP)	Direct	Department Of Commerce (DOC)	Various	317,902	48,076
11.017	Ocean Acidification Program (OAP)	Direct	Department Of Commerce (DOC) Total		317,902	48,076
11.017	Ocean Acidification Program (OAP) Total				317,902	48,076
11.020	Cluster Grants	Direct	Department Of Commerce (DOC)	Various	166,907	18,579
11.020	Cluster Grants	Direct	Department Of Commerce (DOC) Total		166,907	18,579
11.020	Cluster Grants	Pass-through	Massachusetts Institute Of Technology	S4878	24,355	
11.020	Cluster Grants	Pass-through	Massachusetts Institute Of Technology Total		24,355	
11.020	Cluster Grants Total				191,261	18,579
11.417	Sea Grant Support	Direct	Department Of Commerce (DOC)	Various	4,909,150	850,511
11.417	Sea Grant Support	Direct	Department Of Commerce (DOC) Total		4,909,150	850,511
11.417	Sea Grant Support	Pass-through	California State University, Northridge	A18-0060-S002	4,253	
11.417	Sea Grant Support	Pass-through	California State University, Northridge Total		4,253	
11.417	Sea Grant Support	Pass-through	University Of Southern California	120651698	25,047	
11.417	Sea Grant Support	Pass-through	University Of Southern California	129407135	4,918	
11.417	Sea Grant Support	Pass-through	University Of Southern California	87D3G	1,971	
11.417	Sea Grant Support	Pass-through	University Of Southern California Total		31,936	
11.417	Sea Grant Support Total				4,945,339	850,511
11.419	Coastal Zone Management Administration Awards	Pass-through	California State Coastal Conservancy	18313	20,381	
11.419	Coastal Zone Management Administration Awards	Pass-through	California State Coastal Conservancy Total		20,381	
11.419	Coastal Zone Management Administration Awards Total				20,381	
11.427	Fisheries Development And Utilization Research And Development Grants And Cooperative Agreements Program	Direct	Department Of Commerce (DOC)	Various	177,201	10,241
11.427	Fisheries Development And Utilization Research And Development Grants And Cooperative Agreements Program	Direct	Department Of Commerce (DOC) Total		177,201	10,241
11.427	Fisheries Development And Utilization Research And Development Grants And Cooperative Agreements Program Total				177,201	10,241
11.429	Marine Sanctuary Program	Pass-through	National Marine Sanctuary Foundation	011091	3,957	
11.429	Marine Sanctuary Program	Pass-through	National Marine Sanctuary Foundation Total		3,957	
11.429	Marine Sanctuary Program Total				3,957	
11.431	Climate And Atmospheric Research	Direct	Department Of Commerce (DOC)	Various	4,223,023	378,987
11.431	Climate And Atmospheric Research	Direct	Department Of Commerce (DOC) Total		4,223,023	378,987
11.431	Climate And Atmospheric Research	Pass-through	Riverside Technology, Inc.	PROTECH-UCI	48,929	
11.431	Climate And Atmospheric Research	Pass-through	Riverside Technology, Inc. Total		48,929	

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11.431	Climate And Atmospheric Research Total				4,271,952	378,987
11.432	National Oceanic And Atmospheric Administration (NOAA) Cooperative Institutes	Direct	Department Of Commerce (DOC)	Various	18,344,909	232,951
11.432	National Oceanic And Atmospheric Administration (NOAA) Cooperative Institutes	Direct	Department Of Commerce (DOC) Total		18,344,909	232,951
11.432	National Oceanic And Atmospheric Administration (NOAA) Cooperative Institutes	Pass-through	The Cultured Abalone Farm LLC	201603461	(243)	
11.432	National Oceanic And Atmospheric Administration (NOAA) Cooperative Institutes	Pass-through	The Cultured Abalone Farm LLC Total		(243)	
11.432	National Oceanic And Atmospheric Administration (NOAA) Cooperative Institutes Total				18,344,666	232,951
11.437	Pacific Fisheries Data Program	Pass-through	Pacific States Marine Fisheries Commission	19-07G	(5)	
11.437	Pacific Fisheries Data Program	Pass-through	Pacific States Marine Fisheries Commission	NA18NMF4370235	1,157	
11.437	Pacific Fisheries Data Program	Pass-through	Pacific States Marine Fisheries Commission Total		1,151	
11.437	Pacific Fisheries Data Program Total				1,151	
11.438	Pacific Coast Salmon Recovery Pacific Salmon Treaty Program	Pass-through	Bering Sea Fishermen's Association	A19-0747-001	16,239	
11.438	Pacific Coast Salmon Recovery Pacific Salmon Treaty Program	Pass-through	Bering Sea Fishermen's Association Total		16,239	
11.438	Pacific Coast Salmon Recovery Pacific Salmon Treaty Program Total				16,239	
11.439	Marine Mammal Data Program	Direct	Department Of Commerce (DOC)	Various	309,630	12,244
11.439	Marine Mammal Data Program	Direct	Department Of Commerce (DOC) Total		309,630	12,244
11.439	Marine Mammal Data Program	Pass-through	Seward Association For The Advancement Of Marine Science	A17-0159-002	76,008	
11.439	Marine Mammal Data Program	Pass-through	Seward Association For The Advancement Of Marine Science Total		76,008	
11.439	Marine Mammal Data Program Total				385,638	12,244
11.454	Unallied Management Projects	Pass-through	National Fish And Wildlife Foundation	0303.16.052922	28,860	
11.454	Unallied Management Projects	Pass-through	National Fish And Wildlife Foundation Total		28,860	
11.454	Unallied Management Projects Total				28,860	
11.459	Weather And Air Quality Research	Direct	Department Of Commerce (DOC)	Various	757,171	154,832
11.459	Weather And Air Quality Research	Direct	Department Of Commerce (DOC) Total		757,171	154,832
11.459	Weather And Air Quality Research Total				757,171	154,832
11.462	Hydrologic Research	Pass-through	University Corporation For Atmospheric Research	SUBAWD001987	7,616	
11.462	Hydrologic Research	Pass-through	University Corporation For Atmospheric Research Total		7,616	
11.462	Hydrologic Research Total				7,616	
11.463	Habitat Conservation	Pass-through	National Fish And Wildlife Foundation	63637	21,679	
11.463	Habitat Conservation	Pass-through	National Fish And Wildlife Foundation Total		21,679	
11.463	Habitat Conservation	Pass-through	Sonoma County Water Agency	TW 1415-102	11,897	
11.463	Habitat Conservation	Pass-through	Sonoma County Water Agency	TW 18/19-140	17,793	
11.463	Habitat Conservation	Pass-through	Sonoma County Water Agency	Various	341,771	
11.463	Habitat Conservation	Pass-through	Sonoma County Water Agency Total		371,461	
11.463	Habitat Conservation Total				393,141	
11.467	Meteorologic And Hydrologic Modernization Development	Pass-through	University Corporation For Atmospheric Research	SUBAWD000647	2,307	
11.467	Meteorologic And Hydrologic Modernization Development	Pass-through	University Corporation For Atmospheric Research Total		2,307	
11.467	Meteorologic And Hydrologic Modernization Development Total				2,307	
11.468	Applied Meteorological Research	Pass-through	Desert Research Institute	87C1G	36,058	
11.468	Applied Meteorological Research	Pass-through	Desert Research Institute Total		36,058	
11.468	Applied Meteorological Research Total				36,058	
11.472	Unallied Science Program	Direct	Department Of Commerce (DOC)	Various	62,945	
11.472	Unallied Science Program	Direct	Department Of Commerce (DOC) Total		62,945	
11.472	Unallied Science Program	Pass-through	California Department Of Fish And Wildlife	P1670004	5,361	
11.472	Unallied Science Program	Pass-through	California Department Of Fish And Wildlife	P1970003	396,735	
11.472	Unallied Science Program	Pass-through	California Department Of Fish And Wildlife Total		402,096	
11.472	Unallied Science Program Total				465,041	
11.478	Center For Sponsored Coastal Ocean Research Coastal Ocean Program	Direct	Department Of Commerce (DOC)	Various	797,988	67,484
11.478	Center For Sponsored Coastal Ocean Research Coastal Ocean Program	Direct	Department Of Commerce (DOC) Total		797,988	67,484
11.478	Center For Sponsored Coastal Ocean Research Coastal Ocean Program	Pass-through	California State Coastal Conservancy	17-022	59,632	
11.478	Center For Sponsored Coastal Ocean Research Coastal Ocean Program	Pass-through	California State Coastal Conservancy Total		59,632	
11.478	Center For Sponsored Coastal Ocean Research Coastal Ocean Program Total				857,620	67,484
11.609	Measurement And Engineering Research And Standards	Direct	Department Of Commerce (DOC)	Various	1,541,869	417,896
11.609	Measurement And Engineering Research And Standards	Direct	Department Of Commerce (DOC) Total		1,541,869	417,896
11.609	Measurement And Engineering Research And Standards	Pass-through	Applied Technology Council	8740C	2,250	
11.609	Measurement And Engineering Research And Standards	Pass-through	Applied Technology Council Total		2,250	
11.609	Measurement And Engineering Research And Standards	Pass-through	University Of Michigan	SUB 3004650965 (70NANB17H291)	24,481	
11.609	Measurement And Engineering Research And Standards	Pass-through	University Of Michigan Total		24,481	
11.609	Measurement And Engineering Research And Standards	Pass-through	University System Of Maryland	86307-Z7573201	37,703	
11.609	Measurement And Engineering Research And Standards	Pass-through	University System Of Maryland Total		37,703	
11.609	Measurement And Engineering Research And Standards Total				1,606,302	417,896
11.619	Arrangements For Interdisciplinary Research Infrastructure	Pass-through	Iowa State University	426-17-02B	663,636	
11.619	Arrangements For Interdisciplinary Research Infrastructure	Pass-through	Iowa State University Total		663,636	
11.619	Arrangements For Interdisciplinary Research Infrastructure Total				663,636	
11.620	Science, Technology, Business And/Or Education Outreach	Pass-through	Xspec, Inc.	A18-0775	23,880	
11.620	Science, Technology, Business And/Or Education Outreach	Pass-through	Xspec, Inc. Total		23,880	
11.620	Science, Technology, Business And/Or Education Outreach Total				23,880	
11.RD		Direct	Department Of Commerce (DOC)	Various	(252)	
11.RD		Direct	Department Of Commerce (DOC)	011023	33,496	
11.RD		Direct	Department Of Commerce (DOC)	WC-133R-16-CN-0019	547,939	
11.RD		Direct	Department Of Commerce (DOC)	A19-0624-001	44,122	
11.RD		Direct	Department Of Commerce (DOC)	A19-0703-001	32,720	
11.RD		Direct	Department Of Commerce (DOC)	1333MF19PNFFP0134	24,846	
11.RD		Direct	Department Of Commerce (DOC)	A19-0641-001	17,725	
11.RD		Direct	Department Of Commerce (DOC)	1333MF18PNFFP0196	32	
11.RD		Direct	Department Of Commerce (DOC)	19AQM19P1591	49,456	
11.RD		Direct	Department Of Commerce (DOC)	QMM17M1533	3,680	
11.RD		Direct	Department Of Commerce (DOC) Total		753,766	
11.RD		Pass-through	Earth Resources Technology, Inc.	3081-SUB72	45,643	
11.RD		Pass-through	Earth Resources Technology, Inc. Total		45,643	

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11.RD	Total				799,409	
12.005	Conservation And Rehabilitation Of Natural Resources On Military Installations	Pass-through	Colorado State University	G-44516-04	41,483	
12.005	Conservation And Rehabilitation Of Natural Resources On Military Installations	Pass-through	Colorado State University Total		41,483	
12.005	Conservation And Rehabilitation Of Natural Resources On Military Installations Total				41,483	
12.114	Collaborative Research And Development	Direct	Department Of Defense (DOD)	Various	2,397,256	369,705
12.114	Collaborative Research And Development	Direct	Department Of Defense (DOD) Total		2,397,256	369,705
12.114	Collaborative Research And Development	Pass-through	California Parks And Recreation, Department Of	C1370032	535,808	
12.114	Collaborative Research And Development	Pass-through	California Parks And Recreation, Department Of Total		535,808	
12.114	Collaborative Research And Development Total				2,933,064	369,705
12.130	Estuary Habitat Restoration Program	Pass-through	Burleson Consulting, Inc.	A19-0771-001	36,122	
12.130	Estuary Habitat Restoration Program	Pass-through	Burleson Consulting, Inc. Total		36,122	
12.130	Estuary Habitat Restoration Program Total				36,122	
12.300	Basic And Applied Scientific Research	Direct	Department Of Defense (DOD)	Various	90,769,766	8,716,706
12.300	Basic And Applied Scientific Research	Direct	Department Of Defense (DOD) Total		90,769,766	8,716,706
12.300	Basic And Applied Scientific Research	Pass-through	Boeing Company, The	PO NO. 1169752	5,384	
12.300	Basic And Applied Scientific Research	Pass-through	Boeing Company, The Total		5,384	
12.300	Basic And Applied Scientific Research	Pass-through	Bridge12 Technologies Inc.	A20-0940	17,991	
12.300	Basic And Applied Scientific Research	Pass-through	Bridge12 Technologies Inc. Total		17,991	
12.300	Basic And Applied Scientific Research	Pass-through	California State University, San Diego State University	87BEE	19,406	
12.300	Basic And Applied Scientific Research	Pass-through	California State University, San Diego State University	89BG5	10,075	
12.300	Basic And Applied Scientific Research	Pass-through	California State University, San Diego State University Total		29,482	
12.300	Basic And Applied Scientific Research	Pass-through	Carnegie Mellon University	1141311-425280	63,411	
12.300	Basic And Applied Scientific Research	Pass-through	Carnegie Mellon University Total		63,411	
12.300	Basic And Applied Scientific Research	Pass-through	Colorado State University	A20-0628-001	2,301	
12.300	Basic And Applied Scientific Research	Pass-through	Colorado State University Total		2,301	
12.300	Basic And Applied Scientific Research	Pass-through	Columbia University	1(GG014055)	50,748	
12.300	Basic And Applied Scientific Research	Pass-through	Columbia University	N000014-18-1-2	28,320	
12.300	Basic And Applied Scientific Research	Pass-through	Columbia University Total		79,068	
12.300	Basic And Applied Scientific Research	Pass-through	Drexel University	840115-2	(30,896)	
12.300	Basic And Applied Scientific Research	Pass-through	Drexel University Total		(30,896)	
12.300	Basic And Applied Scientific Research	Pass-through	Duke University	13-ONR-1111	14,409	
12.300	Basic And Applied Scientific Research	Pass-through	Duke University Total		14,409	
12.300	Basic And Applied Scientific Research	Pass-through	Florida State University	87C72	89,577	
12.300	Basic And Applied Scientific Research	Pass-through	Florida State University Total		89,577	
12.300	Basic And Applied Scientific Research	Pass-through	George Washington University	19-S10	249,897	
12.300	Basic And Applied Scientific Research	Pass-through	George Washington University Total		249,897	
12.300	Basic And Applied Scientific Research	Pass-through	Georgia Institute Of Technology	RG923-G1	248,976	
12.300	Basic And Applied Scientific Research	Pass-through	Georgia Institute Of Technology	RK015-G4	204,963	
12.300	Basic And Applied Scientific Research	Pass-through	Georgia Institute Of Technology Total		453,939	
12.300	Basic And Applied Scientific Research	Pass-through	Georgia State University	SP00012914-03	8,715	
12.300	Basic And Applied Scientific Research	Pass-through	Georgia State University Total		8,715	
12.300	Basic And Applied Scientific Research	Pass-through	Hal Technology, LLC	210619-CYC2	28,964	
12.300	Basic And Applied Scientific Research	Pass-through	Hal Technology, LLC	214780	7,322	
12.300	Basic And Applied Scientific Research	Pass-through	Hal Technology, LLC Total		36,286	
12.300	Basic And Applied Scientific Research	Pass-through	Indiana University	57599	3,871	
12.300	Basic And Applied Scientific Research	Pass-through	Indiana University Total		3,871	
12.300	Basic And Applied Scientific Research	Pass-through	Johns Hopkins University	2002694585	273,460	
12.300	Basic And Applied Scientific Research	Pass-through	Johns Hopkins University Total		273,460	
12.300	Basic And Applied Scientific Research	Pass-through	Luna Innovations Incorporated	59423	(328)	
12.300	Basic And Applied Scientific Research	Pass-through	Luna Innovations Incorporated Total		(328)	
12.300	Basic And Applied Scientific Research	Pass-through	Massachusetts Institute Of Technology	5710004237-4	220,986	
12.300	Basic And Applied Scientific Research	Pass-through	Massachusetts Institute Of Technology	60983	66,389	
12.300	Basic And Applied Scientific Research	Pass-through	Massachusetts Institute Of Technology Total		287,375	
12.300	Basic And Applied Scientific Research	Pass-through	North Carolina State University	SUB 2015-1959-03 (N00014-15-1-	289,599	
12.300	Basic And Applied Scientific Research	Pass-through	North Carolina State University Total		289,599	
12.300	Basic And Applied Scientific Research	Pass-through	Northwestern University	011158	25,909	
12.300	Basic And Applied Scientific Research	Pass-through	Northwestern University Total		25,909	
12.300	Basic And Applied Scientific Research	Pass-through	Oak Ridge National Laboratory	009441	698,275	
12.300	Basic And Applied Scientific Research	Pass-through	Oak Ridge National Laboratory Total		698,275	
12.300	Basic And Applied Scientific Research	Pass-through	Ohio State University	60063949	103,737	
12.300	Basic And Applied Scientific Research	Pass-through	Ohio State University Total		103,737	
12.300	Basic And Applied Scientific Research	Pass-through	Princeton University	SUB0000238-1	185,093	
12.300	Basic And Applied Scientific Research	Pass-through	Princeton University Total		185,093	
12.300	Basic And Applied Scientific Research	Pass-through	Purdue University	410478961	31,400	
12.300	Basic And Applied Scientific Research	Pass-through	Purdue University Total		31,400	
12.300	Basic And Applied Scientific Research	Pass-through	Rutgers, The State University Of New Jersey	A20-0174-001	32,576	
12.300	Basic And Applied Scientific Research	Pass-through	Rutgers, The State University Of New Jersey Total		32,576	
12.300	Basic And Applied Scientific Research	Pass-through	Siemens Corporation	1037-01-CYC1	52,889	
12.300	Basic And Applied Scientific Research	Pass-through	Siemens Corporation Total		52,889	
12.300	Basic And Applied Scientific Research	Pass-through	SMRU Limited	63586	17,803	
12.300	Basic And Applied Scientific Research	Pass-through	SMRU Limited Total		17,803	
12.300	Basic And Applied Scientific Research	Pass-through	Southwest Sciences, Inc.	407713	45,000	
12.300	Basic And Applied Scientific Research	Pass-through	Southwest Sciences, Inc., Total		45,000	
12.300	Basic And Applied Scientific Research	Pass-through	Stanford University	60744755-114407-UCB	331,861	
12.300	Basic And Applied Scientific Research	Pass-through	Stanford University	62167799-140670	59,646	
12.300	Basic And Applied Scientific Research	Pass-through	Stanford University	A19-0734-001	49,998	
12.300	Basic And Applied Scientific Research	Pass-through	Stanford University Total		441,505	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Arizona	206874	110,385	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Arizona	2177337	18,708	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Arizona	390506-2	141,616	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Arizona	429405	868	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Arizona	86798	15	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Arizona	SUB 200257(N00014-16-1- 2237)	(34,975)	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Arizona Total		236,617	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Colorado Boulder	1553360 (N0014-15-1- 2809)	191,584	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Colorado Boulder	SUB 1557550(OCG6761B)	115,459	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Colorado Boulder Total		307,043	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Illinois At Urbana-Champaign	088800-16605	1,429	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Illinois At Urbana-Champaign Total		1,429	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Massachusetts Amherst	010076	249,723	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Massachusetts Amherst	18-010467 C 00 SUB 17-009730 B 00	264,587	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Massachusetts Amherst	(N00014-17-	70,127	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Massachusetts Amherst Total		584,438	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Minnesota	A006141804	156,980	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Minnesota Total		156,980	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Nebraska	25-0509-0202-002	277,885	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Nebraska Total		277,885	
12.300	Basic And Applied Scientific Research	Pass-through	University Of North Carolina At Chapel Hill	SUB 5103081 (N00014-15- 1-2578)	(1,829)	
12.300	Basic And Applied Scientific Research	Pass-through	University Of North Carolina At Chapel Hill Total		(1,829)	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Southern California	115250657	213,493	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Southern California	128991742	40,313	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Southern California	82976179	130,672	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Southern California	85470620-2	128,057	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Southern California	876F8	220,551	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Southern California Total		733,086	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Southern Mississippi	87C71	49,906	

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12.300	Basic And Applied Scientific Research	Pass-through	University Of Southern Mississippi Total		49,906	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Tennessee	A19-0099-S004	159,873	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Tennessee Total		159,873	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Texas Health Science Center At Houston	00112211B.3	59,442	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Texas Health Science Center At Houston Total		59,442	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Virginia	GG12149 160225	32,280	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Virginia Total		32,280	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Washington	UWSC11174	73,883	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Washington	UWSC9067	401,957	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Washington	UWSC9069	92,126	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Washington	UWSC9478	111,973	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Washington Total		679,940	
12.300	Basic And Applied Scientific Research	Pass-through	Washington State University	A19-0750-001	11,517	
12.300	Basic And Applied Scientific Research	Pass-through	Washington State University Total		11,517	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Notre Dame	203349UCSD	41,718	
12.300	Basic And Applied Scientific Research	Pass-through	University Of Notre Dame Total		41,718	
12.300	Basic And Applied Scientific Research Total				97,607,822	8,716,706
12.301	Basic And Applied Scientific Research, Reinstated	Pass-through	Leidos, Inc.	SUB 10163495 (N62645-14-C-4030	(1)	
12.301	Basic And Applied Scientific Research, Reinstated	Pass-through	Leidos, Inc. Total		(1)	
12.301	Basic And Applied Scientific Research, Reinstated Total				(1)	
12.330	Science, Technology, Engineering & Mathematics (STEM) Education, Outreach And Workforce Program	Pass-through	New Mexico Institute Of Mining & Technology	A20-0564-001	39,003	
12.330	Science, Technology, Engineering & Mathematics (STEM) Education, Outreach And Workforce Program	Pass-through	New Mexico Institute Of Mining & Technology Total		39,003	
12.330	Science, Technology, Engineering & Mathematics (STEM) Education, Outreach And Workforce Program	Pass-through	RTI Health Solutions	SUB 10-312-0216908-65594L (W91	119,796	
12.330	Science, Technology, Engineering & Mathematics (STEM) Education, Outreach And Workforce Program	Pass-through	RTI Health Solutions Total		119,796	
12.330	Science, Technology, Engineering & Mathematics (STEM) Education, Outreach And Workforce Program Total				158,799	
12.335	Navy Command, Control, Communications, Computers, Intelligence, Surveillance, And Reconnaissance	Direct	Department Of Defense (DOD)	Various	60,780	
12.335	Navy Command, Control, Communications, Computers, Intelligence, Surveillance, And Reconnaissance	Direct	Department Of Defense (DOD) Total		60,780	
12.335	Navy Command, Control, Communications, Computers, Intelligence, Surveillance, And Reconnaissance Total				60,780	
12.340	Naval Medical Research And Development	Pass-through	Oregon Health & Science University	1010447_UCSF	306,557	
12.340	Naval Medical Research And Development	Pass-through	Oregon Health & Science University Total		306,557	
12.340	Naval Medical Research And Development	Pass-through	Soar Technology, Inc.	SC17008	45,707	
12.340	Naval Medical Research And Development	Pass-through	Soar Technology, Inc. Total		45,707	
12.340	Naval Medical Research And Development	Pass-through	University Of Pittsburgh	0043845-1	41,159	
12.340	Naval Medical Research And Development	Pass-through	University Of Pittsburgh Total		41,159	
12.340	Naval Medical Research And Development Total				393,422	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Direct	Department Of Defense (DOD)	Various	7,110,897	1,030,601
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Direct	Department Of Defense (DOD) Total		7,110,897	1,030,601
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	Ohio State University	60059839	112,047	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	Ohio State University Total		112,047	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	Southern Methodist University	GA00176-7506	30,926	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	Southern Methodist University Total		30,926	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	Temple University	80859	672	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	Temple University Total		672	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	University Of Maryland	010727	37,376	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	University Of Maryland	010862	60,064	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	University Of Maryland	011047	70,476	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	University Of Maryland	011090	54,261	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	University Of Maryland Total		232,177	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	University Of Nevada, Las Vegas/Univ Research Foundation	17-22FW-00	118,456	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	University Of Nevada, Las Vegas/Univ Research Foundation Total		118,456	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	University Of New Mexico	HDTRA11810022	74,209	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	University Of New Mexico Total		74,209	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	University Of Tennessee	A18-0780-S001-A01.01	93,072	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	University Of Tennessee Total		93,072	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	Vanderbilt University	UNIV59843.1	125,757	
12.351	Scientific Research - Combating Weapons Of Mass Destruction	Pass-through	Vanderbilt University Total		125,757	
12.351	Scientific Research - Combating Weapons Of Mass Destruction Total				7,888,214	1,030,601
12.355	Pest Management And Vector Control Research	Pass-through	University Of Notre Dame	203396UCSF	35,947	
12.355	Pest Management And Vector Control Research	Pass-through	University Of Notre Dame Total		35,947	
12.355	Pest Management And Vector Control Research Total				35,947	
12.420	Military Medical Research And Development	Direct	Department Of Defense (DOD)	Various	45,418,136	5,771,499
12.420	Military Medical Research And Development	Direct	Department Of Defense (DOD)	W81XWH2010216	47,126	
12.420	Military Medical Research And Development	Direct	Department Of Defense (DOD) Total	W81XWH2010129	32,271	
12.420	Military Medical Research And Development	Pass-through	American Burn Association	W81XWH-16-2-0048	281,639	
12.420	Military Medical Research And Development	Pass-through	American Burn Association	W81XWH-19-2-0043	5,705	
12.420	Military Medical Research And Development	Pass-through	American Burn Association Total		287,344	
12.420	Military Medical Research And Development	Pass-through	Baylor College Of Medicine	89B66	12,026	
12.420	Military Medical Research And Development	Pass-through	Baylor College Of Medicine Total		12,026	
12.420	Military Medical Research And Development	Pass-through	Binghamton University	W81XWH 16 1-0557	56,241	
12.420	Military Medical Research And Development	Pass-through	Binghamton University Total		56,241	
12.420	Military Medical Research And Development	Pass-through	California Institute Of Technology	SUB M S456755 (W81XWH-17-0589)	34,790	
12.420	Military Medical Research And Development	Pass-through	California Institute Of Technology Total		34,790	
12.420	Military Medical Research And Development	Pass-through	Cedars-Sinai Medical Center	W81XWH1910390	47,916	
12.420	Military Medical Research And Development	Pass-through	Cedars-Sinai Medical Center Total		47,916	
12.420	Military Medical Research And Development	Pass-through	Charles River Analytics	SC1708701-CYC1	106,050	
12.420	Military Medical Research And Development	Pass-through	Charles River Analytics Total		106,050	
12.420	Military Medical Research And Development	Pass-through	Chenega Corporation	470049 UCI 001	636,731	
12.420	Military Medical Research And Development	Pass-through	Chenega Corporation Total		636,731	
12.420	Military Medical Research And Development	Pass-through	Coalition For National Trauma Research	NTI-CLOTT17-12	258,782	
12.420	Military Medical Research And Development	Pass-through	Coalition For National Trauma Research	NTI-JWMRP-201501	134,703	
12.420	Military Medical Research And Development	Pass-through	Coalition For National Trauma Research	NTRAP-18-09	15,370	
12.420	Military Medical Research And Development	Pass-through	Coalition For National Trauma Research	SUB NTI-CLOTT17-11 (W81XWH-17-	33,293	
12.420	Military Medical Research And Development	Pass-through	Coalition For National Trauma Research	SUB NTRAP-18-07(W81XWH18C0179)	7,597	
12.420	Military Medical Research And Development	Pass-through	Coalition For National Trauma Research Total		449,745	
12.420	Military Medical Research And Development	Pass-through	Congressionally Directed Medical Research Programs	00018178	29,945	
12.420	Military Medical Research And Development	Pass-through	Congressionally Directed Medical Research Programs Total		29,945	
12.420	Military Medical Research And Development	Pass-through	Dalhousie University	044343	81,648	
12.420	Military Medical Research And Development	Pass-through	Dalhousie University Total		81,648	
12.420	Military Medical Research And Development	Pass-through	Duke University	SUB 3130729(W81XWH-17-1-0372)	57,015	
12.420	Military Medical Research And Development	Pass-through	Duke University Total		57,015	
12.420	Military Medical Research And Development	Pass-through	Geneva Foundation	59476	(6,370)	

University of California
Schedule of Expenditures of Federal Awards

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(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
12.420	Military Medical Research And Development	Pass-through	Geneva Foundation	S-11059-01	77,269	
12.420	Military Medical Research And Development	Pass-through	Geneva Foundation Total		70,899	
12.420	Military Medical Research And Development	Pass-through	Hennepin Healthcare Research Institute	SUB 15059-01 (W81XWH-17-2-0059)	24,120	
12.420	Military Medical Research And Development	Pass-through	Hennepin Healthcare Research Institute Total		24,120	
12.420	Military Medical Research And Development	Pass-through	Henry Ford Health System	B70089UCSF	19,950	
12.420	Military Medical Research And Development	Pass-through	Henry Ford Health System Total		19,950	
12.420	Military Medical Research And Development	Pass-through	Henry M. Jackson Foundation For The Advancement Of Military Medicine	4096	806,965	
12.420	Military Medical Research And Development	Pass-through	Henry M. Jackson Foundation For The Advancement Of Military Medicine	823738/WX81XWH112017	134,028	
12.420	Military Medical Research And Development	Pass-through	Henry M. Jackson Foundation For The Advancement Of Military Medicine Total		940,993	
12.420	Military Medical Research And Development	Pass-through	Inhibrx, Inc.	SUB 20180328 (W81XWH1810131)	25,068	
12.420	Military Medical Research And Development	Pass-through	Inhibrx, Inc. Total		25,068	
12.420	Military Medical Research And Development	Pass-through	Johns Hopkins University	2002015246/METRC2	775	
12.420	Military Medical Research And Development	Pass-through	Johns Hopkins University	2002397378.4	19,606	
12.420	Military Medical Research And Development	Pass-through	Johns Hopkins University	2003611970	12,449	
12.420	Military Medical Research And Development	Pass-through	Johns Hopkins University	2003952086	31,300	
12.420	Military Medical Research And Development	Pass-through	Johns Hopkins University Total		64,130	
12.420	Military Medical Research And Development	Pass-through	Lawrence Livermore National Security, LLC	82831	(364)	
12.420	Military Medical Research And Development	Pass-through	Lawrence Livermore National Security, LLC Total		(364)	
12.420	Military Medical Research And Development	Pass-through	Massachusetts Eye And Ear Infirmary	38033.3	39,332	
12.420	Military Medical Research And Development	Pass-through	Massachusetts Eye And Ear Infirmary	SUB 38039 (W81XWH-15-2-0044)	1,783	
12.420	Military Medical Research And Development	Pass-through	Massachusetts Eye And Ear Infirmary Total		41,114	
12.420	Military Medical Research And Development	Pass-through	Massachusetts General Hospital	234910	113,019	
12.420	Military Medical Research And Development	Pass-through	Massachusetts General Hospital Total		113,019	
12.420	Military Medical Research And Development	Pass-through	Massachusetts Institute Of Technology	S4834 - PO 361087	181,228	
12.420	Military Medical Research And Development	Pass-through	Massachusetts Institute Of Technology Total		181,228	
12.420	Military Medical Research And Development	Pass-through	Medical College Of Wisconsin	80004	(37,028)	
12.420	Military Medical Research And Development	Pass-through	Medical College Of Wisconsin	A132730	39,089	
12.420	Military Medical Research And Development	Pass-through	Medical College Of Wisconsin Total		2,061	
12.420	Military Medical Research And Development	Pass-through	Memorial Sloan-Kettering Cancer Center	BD523951A	76,246	
12.420	Military Medical Research And Development	Pass-through	Memorial Sloan-Kettering Cancer Center Total		76,246	
12.420	Military Medical Research And Development	Pass-through	National Jewish Health	20108701	6,064	
12.420	Military Medical Research And Development	Pass-through	National Jewish Health Total		6,064	
12.420	Military Medical Research And Development	Pass-through	National Jewish Medical And Research Center	20108701	91,073	
12.420	Military Medical Research And Development	Pass-through	National Jewish Medical And Research Center Total		91,073	
12.420	Military Medical Research And Development	Pass-through	New York University	A8585	303	
12.420	Military Medical Research And Development	Pass-through	New York University Total		303	
12.420	Military Medical Research And Development	Pass-through	Northern California Institute For Research And Education, Inc	1810	6,206	
12.420	Military Medical Research And Development	Pass-through	Northern California Institute For Research And Education, Inc	1812	12,441	
12.420	Military Medical Research And Development	Pass-through	Northern California Institute For Research And Education, Inc	WE11872-02	190,211	
12.420	Military Medical Research And Development	Pass-through	Northern California Institute For Research And Education, Inc	WE1187205094728	11,367	
12.420	Military Medical Research And Development	Pass-through	Northern California Institute For Research And Education, Inc	W002191-01	8,789	
12.420	Military Medical Research And Development	Pass-through	Northern California Institute For Research And Education, Inc Total		229,013	
12.420	Military Medical Research And Development	Pass-through	Oregon Health & Science University	1008335 UCSF	325,325	
12.420	Military Medical Research And Development	Pass-through	Oregon Health & Science University Total		325,325	
12.420	Military Medical Research And Development	Pass-through	Partners Healthcare System, Inc	20190730	192,003	
12.420	Military Medical Research And Development	Pass-through	Partners Healthcare System, Inc Total		192,003	
12.420	Military Medical Research And Development	Pass-through	Peiaquie, LLC	57044	7	
12.420	Military Medical Research And Development	Pass-through	Peiaquie, LLC Total		7	
12.420	Military Medical Research And Development	Pass-through	SPR Therapeutics LLC	SUB 20161887 (W81XWH-12-2-0132)	85	
12.420	Military Medical Research And Development	Pass-through	SPR Therapeutics LLC Total		85	
12.420	Military Medical Research And Development	Pass-through	Stanford University	61357202-122325	18,764	
12.420	Military Medical Research And Development	Pass-through	Stanford University	61414227-117996	2,930	
12.420	Military Medical Research And Development	Pass-through	Stanford University	61763383-121561	5,958	
12.420	Military Medical Research And Development	Pass-through	Stanford University Total		27,651	
12.420	Military Medical Research And Development	Pass-through	The University Of Alabama At Birmingham	000507860-014	40,397	
12.420	Military Medical Research And Development	Pass-through	The University Of Alabama At Birmingham	000507860-022	(327)	
12.420	Military Medical Research And Development	Pass-through	The University Of Alabama At Birmingham	000516840-021	5,223	
12.420	Military Medical Research And Development	Pass-through	The University Of Alabama At Birmingham	000518323-005	53,865	
12.420	Military Medical Research And Development	Pass-through	The University Of Alabama At Birmingham Total		99,159	
12.420	Military Medical Research And Development	Pass-through	Translational Genomics Research Institute	SUB NARAYANAN-17-01 (W81XWH-17	30,151	
12.420	Military Medical Research And Development	Pass-through	Translational Genomics Research Institute Total		30,151	
12.420	Military Medical Research And Development	Pass-through	University Of Chicago	SUB FP067927 (W81XWH1810501)	4,060	
12.420	Military Medical Research And Development	Pass-through	University Of Chicago Total		4,060	
12.420	Military Medical Research And Development	Pass-through	University Of Cincinnati	010376-002	203,845	
12.420	Military Medical Research And Development	Pass-through	University Of Cincinnati Total		203,845	
12.420	Military Medical Research And Development	Pass-through	University Of Colorado Denver	FY16.794.007/1000616	13,135	
12.420	Military Medical Research And Development	Pass-through	University Of Colorado Denver	FY18.576.005	18,286	
12.420	Military Medical Research And Development	Pass-through	University Of Colorado Denver	SUB FY17.794.016 (W81XWH-15-1-	35,300	
12.420	Military Medical Research And Development	Pass-through	University Of Colorado Denver Total		66,721	
12.420	Military Medical Research And Development	Pass-through	University Of Maryland School Of Medicine	1802297	39,254	
12.420	Military Medical Research And Development	Pass-through	University Of Maryland School Of Medicine Total		39,254	
12.420	Military Medical Research And Development	Pass-through	University Of Massachusetts Medical School	W81XWH1810094	2,625	
12.420	Military Medical Research And Development	Pass-through	University Of Massachusetts Medical School Total		2,625	
12.420	Military Medical Research And Development	Pass-through	University Of Michigan	SUBK00003465	155,039	
12.420	Military Medical Research And Development	Pass-through	University Of Michigan	SUBK00012666	20,283	
12.420	Military Medical Research And Development	Pass-through	University Of Michigan Total		175,321	
12.420	Military Medical Research And Development	Pass-through	University Of Southern California	69094653	767	
12.420	Military Medical Research And Development	Pass-through	University Of Southern California	69986229	1,350	
12.420	Military Medical Research And Development	Pass-through	University Of Southern California	70043783	25,078	
12.420	Military Medical Research And Development	Pass-through	University Of Southern California	SUB 69979097(W81XWH-14-1-0462)	10,550	
12.420	Military Medical Research And Development	Pass-through	University Of Southern California	SUB 70040455(W81XWH-1916)	20,526	
12.420	Military Medical Research And Development	Pass-through	University Of Southern California Total		58,271	
12.420	Military Medical Research And Development	Pass-through	University Of Texas Medical Branch At Galveston	15-017	18,438	
12.420	Military Medical Research And Development	Pass-through	University Of Texas Medical Branch At Galveston Total		18,438	
12.420	Military Medical Research And Development	Pass-through	University Of Wisconsin-Madison	0000000183	59,919	
12.420	Military Medical Research And Development	Pass-through	University Of Wisconsin-Madison Total		59,919	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	8724C	6,591	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	8741C	448	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	87C9G	11,605	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA AFARI 112579741 (W81XWH-18	21,230	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA FILOTEQ 321967 110786676/W	403	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA JAK (W81XWH-19-20067)	17,110	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA LANG (W81WH-17-1-0041)	12,806	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA LEUNG 323195(WH1910691)	39,367	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA LEUNG W81XWH1910691	9,495	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA NORMAN (W81XWH-15-1-0030)	18,694	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA NORMAN (W81XWH-15-1-0330)	59,258	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA NORMAN (W81XWH-15-1-0330)	25,211	

University of California
Schedule of Expenditures of Federal Awards

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Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA RISBROUGH (W81XWH-181-0761	9,024	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA RISBROUGH 097050000(W81XWH VPA RISBROUGH(W81XWH1810761)	23,193	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA SCHIEHSER 096640001(W81XWH VPA SCHIEHSER 11078676(W81XWH VPA TUSZYNSKI (W81XWH1810470)	38,637	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA TWAMLEY 098560000(W81XWH19 323042(W81XWH19106 VPA TWAMLEY 323410(PK17WMRF1)	3,812	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	WFUHS 441005B GU-05	39,156	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	321170	41,505	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	098560000(W81XWH19 323042(W81XWH19106 VPA TWAMLEY 323410(PK17WMRF1)	11,350	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	321170	27,982	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	321170	10,574	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	321170	427,452	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	321170	(56)	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	321170	(56)	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	321170	176,867	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	321170	176,867	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	321170	45,853	
12.420	Military Medical Research And Development	Pass-through	Veterans Medical Research Foundation Of San Diego	321170	45,853	
12.420	Military Medical Research And Development Total				51,134,851	5,771,499
12.431	Basic Scientific Research	Direct	Department Of Defense (DOD)	Various	26,411,628	7,033,360
12.431	Basic Scientific Research	Direct	Department Of Defense (DOD) Total		26,411,628	7,033,360
12.431	Basic Scientific Research	Pass-through	Boston University	4500003083	220,856	
12.431	Basic Scientific Research	Pass-through	Boston University Total		220,856	
12.431	Basic Scientific Research	Pass-through	California Institute Of Technology	43B-1097280 SUB 43B-1097279 (W911NF-16-1-0	701,542	
12.431	Basic Scientific Research	Pass-through	California Institute Of Technology	43B-1097280 SUB 43B-1097279 (W911NF-16-1-0	166,955	
12.431	Basic Scientific Research	Pass-through	California Institute Of Technology	43B-1097280 SUB 43B-1097279 (W911NF-16-1-0	868,497	
12.431	Basic Scientific Research	Pass-through	California State University, Northridge	A19-0006-S001-1	220,274	
12.431	Basic Scientific Research	Pass-through	California State University, Northridge Total		220,274	
12.431	Basic Scientific Research	Pass-through	Carnegie Mellon University	1130233-409603	393,086	
12.431	Basic Scientific Research	Pass-through	Carnegie Mellon University Total		393,086	
12.431	Basic Scientific Research	Pass-through	Cornell University	76091-10531	218,324	
12.431	Basic Scientific Research	Pass-through	Cornell University	78845-10693	9,435	
12.431	Basic Scientific Research	Pass-through	Cornell University Total		227,759	
12.431	Basic Scientific Research	Pass-through	DCS Corporation	NONE (W911NF-10-2-0022)	76,574	
12.431	Basic Scientific Research	Pass-through	DCS Corporation Total		76,574	
12.431	Basic Scientific Research	Pass-through	Duke University	313-0590	158,798	
12.431	Basic Scientific Research	Pass-through	Duke University	313-0838	247,213	
12.431	Basic Scientific Research	Pass-through	Duke University Total		406,011	
12.431	Basic Scientific Research	Pass-through	Georgia Institute Of Technology	RF228-G1-5	26,801	
12.431	Basic Scientific Research	Pass-through	Georgia Institute Of Technology Total		26,801	
12.431	Basic Scientific Research	Pass-through	Harvard University	130377-5112939	41,020	
12.431	Basic Scientific Research	Pass-through	Harvard University	89283	914	
12.431	Basic Scientific Research	Pass-through	Harvard University Total		41,934	
12.431	Basic Scientific Research	Pass-through	International Business Machines Corporation	W911NF-16-3-0001	436,031	
12.431	Basic Scientific Research	Pass-through	International Business Machines Corporation Total		436,031	
12.431	Basic Scientific Research	Pass-through	Jazz Semiconductor	87B21	250,269	
12.431	Basic Scientific Research	Pass-through	Jazz Semiconductor Total		250,269	
12.431	Basic Scientific Research	Pass-through	Johns Hopkins University	010195	32,465	
12.431	Basic Scientific Research	Pass-through	Johns Hopkins University	2003506204	98,337	
12.431	Basic Scientific Research	Pass-through	Johns Hopkins University	2003550747	88,791	
12.431	Basic Scientific Research	Pass-through	Johns Hopkins University Total		219,592	
12.431	Basic Scientific Research	Pass-through	Lehigh University	79628	19,731	
12.431	Basic Scientific Research	Pass-through	Lehigh University Total		19,731	
12.431	Basic Scientific Research	Pass-through	Massachusetts General Hospital	W911NF-16-C-0079	43,936	
12.431	Basic Scientific Research	Pass-through	Massachusetts General Hospital Total		43,936	
12.431	Basic Scientific Research	Pass-through	Massachusetts Institute Of Technology	S4660 - PO 217710:1	268,290	
12.431	Basic Scientific Research	Pass-through	Massachusetts Institute Of Technology	S5040 - PO	36,544	
12.431	Basic Scientific Research	Pass-through	Massachusetts Institute Of Technology Total		304,834	
12.431	Basic Scientific Research	Pass-through	Maxentrix Technologies LLC	SUB UCSD-4330-1(W81XWH20C0001)	38,675	
12.431	Basic Scientific Research	Pass-through	Maxentrix Technologies LLC Total		38,675	
12.431	Basic Scientific Research	Pass-through	Medical Technology Enterprise Consortium	2018-674	1,819,290	1,092,878
12.431	Basic Scientific Research	Pass-through	Medical Technology Enterprise Consortium Total		1,819,290	1,092,878
12.431	Basic Scientific Research	Pass-through	Microelectronics Advanced Research Corporation	57125	(1,841)	(1,841)
12.431	Basic Scientific Research	Pass-through	Microelectronics Advanced Research Corporation Total		(1,841)	(1,841)
12.431	Basic Scientific Research	Pass-through	Northern Arizona University	W911NF1910040	71,048	
12.431	Basic Scientific Research	Pass-through	Northern Arizona University Total		71,048	
12.431	Basic Scientific Research	Pass-through	Ocean Nanotech LLC	79261	(2,404)	
12.431	Basic Scientific Research	Pass-through	Ocean Nanotech LLC Total		(2,404)	
12.431	Basic Scientific Research	Pass-through	Ohio State University	60043375:11	29,895	
12.431	Basic Scientific Research	Pass-through	Ohio State University Total		29,895	
12.431	Basic Scientific Research	Pass-through	Research Foundation Cumy, City University Of New York	SUB CM00003213-00 (W911NF19103	46,605	
12.431	Basic Scientific Research	Pass-through	Research Foundation Cumy, City University Of New York Total		46,605	
12.431	Basic Scientific Research	Pass-through	Semi	20194311	132,457	
12.431	Basic Scientific Research	Pass-through	Semi Total		132,457	
12.431	Basic Scientific Research	Pass-through	University Of Illinois At Urbana-Champaign	8725G	186,706	
12.431	Basic Scientific Research	Pass-through	University Of Illinois At Urbana-Champaign Total		186,706	
12.431	Basic Scientific Research	Pass-through	University Of Maryland	37919-Z8424101	104,129	
12.431	Basic Scientific Research	Pass-through	University Of Maryland Total		104,129	
12.431	Basic Scientific Research	Pass-through	University Of Michigan	3004628715	117,441	
12.431	Basic Scientific Research	Pass-through	University Of Michigan Total		117,441	
12.431	Basic Scientific Research	Pass-through	University Of Missouri	C00045065-2	119,624	
12.431	Basic Scientific Research	Pass-through	University Of Missouri	C00045065-3	29,495	
12.431	Basic Scientific Research	Pass-through	University Of Missouri Total		149,119	
12.431	Basic Scientific Research	Pass-through	University Of Pennsylvania	571714	118,389	
12.431	Basic Scientific Research	Pass-through	University Of Pennsylvania	574723	122,707	
12.431	Basic Scientific Research	Pass-through	University Of Pennsylvania Total		241,096	
12.431	Basic Scientific Research	Pass-through	University Of Southern California	110247221	218,208	
12.431	Basic Scientific Research	Pass-through	University Of Southern California	80483423	38,278	
12.431	Basic Scientific Research	Pass-through	University Of Southern California Total		256,486	
12.431	Basic Scientific Research	Pass-through	University Of Utah	006950	105,587	
12.431	Basic Scientific Research	Pass-through	University Of Utah	10034220-S5-CYC1	85,384	
12.431	Basic Scientific Research	Pass-through	University Of Utah Total		190,970	
12.431	Basic Scientific Research	Pass-through	University Of Washington	SUB UWSC10378(W911NF-17-1-0595	158,167	
12.431	Basic Scientific Research	Pass-through	University Of Washington Total		158,167	
12.431	Basic Scientific Research	Pass-through	Worcester Polytechnic Institute	10520-GR	243,799	
12.431	Basic Scientific Research	Pass-through	Worcester Polytechnic Institute	18-TMP-01-215468-CYC3	14,872	
12.431	Basic Scientific Research	Pass-through	Worcester Polytechnic Institute Total		258,670	
12.431	Basic Scientific Research Total				34,243,132	8,124,396
12.440	Dissertation Year Fellowship	Pass-through	Worcester Polytechnic Institute	10750-GR	31,966	
12.440	Dissertation Year Fellowship	Pass-through	Worcester Polytechnic Institute Total		31,966	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
12.440	Dissertation Year Fellowship Total				31,966	
12.450	Fort Huachuca Environmental Training	Pass-through	Questek Innovations LLC	009524	11,063	
12.450	Fort Huachuca Environmental Training	Pass-through	Questek Innovations LLC Total		11,063	
12.450	Fort Huachuca Environmental Training Total				11,063	
12.550	The Language Flagship Grants To Institutions Of Higher Education	Pass-through	Institute Of International Education	0054-UCLA-10-3	288,655	
12.550	The Language Flagship Grants To Institutions Of Higher Education	Pass-through	Institute Of International Education Total		288,655	
12.550	The Language Flagship Grants To Institutions Of Higher Education Total				288,655	
12.599	Congressionally Directed Assistance	Pass-through	University Of Florida	UFDSP00012373	40,242	
12.599	Congressionally Directed Assistance	Pass-through	University Of Florida Total		40,242	
12.599	Congressionally Directed Assistance Total				40,242	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Direct	Department Of Defense (DOD)	Various	2,955,696	69,943
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Direct	Department Of Defense (DOD) Total		2,955,696	69,943
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	Advanced Regenerative Manufacturing Institute, Inc.	T0049	330,272	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	Advanced Regenerative Manufacturing Institute, Inc. Total		330,272	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	ERC, Incorporated	PS180038	57,849	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	ERC, Incorporated Total		57,849	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	National Science Teachers Association	19-871-005-CYC1	9,953	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	National Science Teachers Association	19-871-006-CYC1	15,492	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	National Science Teachers Association Total		25,445	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	Pennsylvania State University	006576	472,833	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	Pennsylvania State University	4957UCDARMY0045	502,781	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	Pennsylvania State University Total		975,614	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	Raytheon Bbn Technologies Corp.	W911NF-09-2-0053	234,402	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	Raytheon Bbn Technologies Corp. Total		234,402	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	Siemens Corporation	191-1	44,875	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	Siemens Corporation Total		44,875	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	University Of Illinois At Urbana-Champaign	088331-16649:02	604,017	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	University Of Illinois At Urbana-Champaign Total		604,017	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	University Of Pennsylvania	572622	334,409	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	University Of Pennsylvania	878DD	683,477	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	University Of Pennsylvania Total		1,017,886	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	University Of Southern California	92312369	185,197	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	University Of Southern California Total		185,197	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA LEUNG (W81XWH-16-1-0754)	35,190	
12.630	Basic, Applied, And Advanced Research In Science And Engineering	Pass-through	Veterans Medical Research Foundation Of San Diego Total		35,190	
12.630	Basic, Applied, And Advanced Research In Science And Engineering Total				6,466,445	69,943
12.631	Science, Technology, Engineering And Mathematics (STEM) Educational Program: Science, Mathematics And Research For Transformation (SMART)	Pass-through	RTI Health Solutions	89BD4	60,230	
12.631	Science, Technology, Engineering And Mathematics (STEM) Educational Program: Science, Mathematics And Research For Transformation (SMART)	Pass-through	RTI Health Solutions Total		60,230	
12.631	Science, Technology, Engineering And Mathematics (STEM) Educational Program: Science, Mathematics And Research For Transformation (SMART) Total				60,230	
12.632	Legacy Resource Management Program	Pass-through	Colorado State University	60526	(63)	
12.632	Legacy Resource Management Program	Pass-through	Colorado State University Total		(63)	
12.632	Legacy Resource Management Program Total				(63)	
12.750	Uniformed Services University Medical Research Projects	Pass-through	Henry M. Jackson Foundation For The Advancement Of Military Medicine	3689-CYC6	179,981	
12.750	Uniformed Services University Medical Research Projects	Pass-through	Henry M. Jackson Foundation For The Advancement Of Military Medicine	4571	219,016	
12.750	Uniformed Services University Medical Research Projects	Pass-through	Henry M. Jackson Foundation For The Advancement Of Military Medicine	4689	15,748,228	
12.750	Uniformed Services University Medical Research Projects	Pass-through	SUB 2880/837344			
12.750	Uniformed Services University Medical Research Projects	Pass-through	Henry M. Jackson Foundation For The Advancement Of Military Medicine	(HJ)0001-15-2-0	608,331	
12.750	Uniformed Services University Medical Research Projects	Pass-through	Henry M. Jackson Foundation For The Advancement Of Military Medicine Total		16,755,555	
12.750	Uniformed Services University Medical Research Projects Total				16,755,555	
12.800	Air Force Defense Research Sciences Program	Direct	Department Of Defense (DOD)	Various	27,124,516	4,579,270
12.800	Air Force Defense Research Sciences Program	Direct	Department Of Defense (DOD) Total		27,124,516	4,579,270
12.800	Air Force Defense Research Sciences Program	Pass-through	Acree Technologies Incorporated	A19-3148	48,000	
12.800	Air Force Defense Research Sciences Program	Pass-through	Acree Technologies Incorporated Total		48,000	
12.800	Air Force Defense Research Sciences Program	Pass-through	Ascom Technical Services	A20-0825-001	377	
12.800	Air Force Defense Research Sciences Program	Pass-through	Ascom Technical Services Total		377	
12.800	Air Force Defense Research Sciences Program	Pass-through	Apogee Research LLC	78963	(861)	
12.800	Air Force Defense Research Sciences Program	Pass-through	Apogee Research LLC Total		(861)	
12.800	Air Force Defense Research Sciences Program	Pass-through	Assured Information Security, Inc.	1086-SB	197,775	
12.800	Air Force Defense Research Sciences Program	Pass-through	Assured Information Security, Inc. Total		197,775	
12.800	Air Force Defense Research Sciences Program	Pass-through	California Institute Of Technology	60735	57,070	
12.800	Air Force Defense Research Sciences Program	Pass-through	California Institute Of Technology	S414979	144,846	
12.800	Air Force Defense Research Sciences Program	Pass-through	California Institute Of Technology	S415023	285,792	
12.800	Air Force Defense Research Sciences Program	Pass-through	California Institute Of Technology Total		487,708	
12.800	Air Force Defense Research Sciences Program	Pass-through	Carbon Technology, Inc.	214096-CYC1	29,966	
12.800	Air Force Defense Research Sciences Program	Pass-through	Carbon Technology, Inc. Total		29,966	
12.800	Air Force Defense Research Sciences Program	Pass-through	Cornell University	84713-11113	498,845	
12.800	Air Force Defense Research Sciences Program	Pass-through	Cornell University Total		498,845	
12.800	Air Force Defense Research Sciences Program	Pass-through	Duke University	313-0918	60,542	
12.800	Air Force Defense Research Sciences Program	Pass-through	Duke University Total		60,542	
12.800	Air Force Defense Research Sciences Program	Pass-through	SUB T22981 (FA8750-19-C-0081)			
12.800	Air Force Defense Research Sciences Program	Pass-through	First RF Corporation		102,689	
12.800	Air Force Defense Research Sciences Program	Pass-through	First RF Corporation Total		102,689	
12.800	Air Force Defense Research Sciences Program	Pass-through	Flextech Alliance	042299	27,175	
12.800	Air Force Defense Research Sciences Program	Pass-through	Flextech Alliance Total		27,175	
12.800	Air Force Defense Research Sciences Program	Pass-through	Florida State University	R02151	84,225	
12.800	Air Force Defense Research Sciences Program	Pass-through	Florida State University Total		84,225	
12.800	Air Force Defense Research Sciences Program	Pass-through	Florida Turbine Technologies, Inc.	FTT19-1191	79,253	
12.800	Air Force Defense Research Sciences Program	Pass-through	Florida Turbine Technologies, Inc. Total		79,253	
12.800	Air Force Defense Research Sciences Program	Pass-through	George Washington University	86861	122,721	
12.800	Air Force Defense Research Sciences Program	Pass-through	George Washington University	87ABC	77,329	
12.800	Air Force Defense Research Sciences Program	Pass-through	George Washington University Total		200,050	
12.800	Air Force Defense Research Sciences Program	Pass-through	SUB RJ321-G1 (FA9550-17-1-0274)			
12.800	Air Force Defense Research Sciences Program	Pass-through	Georgia Tech Research Corporation		208,171	
12.800	Air Force Defense Research Sciences Program	Pass-through	Georgia Tech Research Corporation Total		208,171	
12.800	Air Force Defense Research Sciences Program	Pass-through	Henry M. Jackson Foundation For The Advancement Of Military Medicine	FA8650-18-26837	7,466	
12.800	Air Force Defense Research Sciences Program	Pass-through	Henry M. Jackson Foundation For The Advancement Of Military Medicine Total		7,466	
12.800	Air Force Defense Research Sciences Program	Pass-through	Hypres, Inc.	010558	133,217	
12.800	Air Force Defense Research Sciences Program	Pass-through	Hypres, Inc.	87236	2,500	
12.800	Air Force Defense Research Sciences Program	Pass-through	Hypres, Inc. Total		135,717	
12.800	Air Force Defense Research Sciences Program	Pass-through	Intelligent Automation, Inc.	Various	14,824	
12.800	Air Force Defense Research Sciences Program	Pass-through	Intelligent Automation, Inc. Total		14,824	
12.800	Air Force Defense Research Sciences Program	Pass-through	Kitware, Inc.	57576	21,191	
12.800	Air Force Defense Research Sciences Program	Pass-through	Kitware, Inc. Total		21,191	
12.800	Air Force Defense Research Sciences Program	Pass-through	Massachusetts Institute Of Technology	5710003664	92,586	

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12.800	Air Force Defense Research Sciences Program	Pass-through	Massachusetts Institute Of Technology Total		92,586	
12.800	Air Force Defense Research Sciences Program	Pass-through	Maxentric Technologies LLC	87AC3 UCSD-4327-1 (SUB FA8650-19-C-1	(3,938)	
12.800	Air Force Defense Research Sciences Program	Pass-through	Maxentric Technologies LLC		181,259	
12.800	Air Force Defense Research Sciences Program	Pass-through	Maxentric Technologies LLC Total		177,320	
12.800	Air Force Defense Research Sciences Program	Pass-through	Microact Incorporated	59469	3,906	
12.800	Air Force Defense Research Sciences Program	Pass-through	Microact Incorporated Total		3,906	
12.800	Air Force Defense Research Sciences Program	Pass-through	Morton Photonics	MP-UCSB-03	27,271	
12.800	Air Force Defense Research Sciences Program	Pass-through	Morton Photonics Total		27,271	
12.800	Air Force Defense Research Sciences Program	Pass-through	Nano-Bio Manufacturing Consortium	87D5C	22,594	
12.800	Air Force Defense Research Sciences Program	Pass-through	Nano-Bio Manufacturing Consortium Total		22,594	
12.800	Air Force Defense Research Sciences Program	Pass-through	Purdue University	010490	141,967	
12.800	Air Force Defense Research Sciences Program	Pass-through	Purdue University Total		141,967	
12.800	Air Force Defense Research Sciences Program	Pass-through	Questek Innovations LLC	010148	5,300	
12.800	Air Force Defense Research Sciences Program	Pass-through	Questek Innovations LLC Total		5,300	
12.800	Air Force Defense Research Sciences Program	Pass-through	Rensselaer Polytechnic Institute	A12897-S003	110,360	
12.800	Air Force Defense Research Sciences Program	Pass-through	Rensselaer Polytechnic Institute Total		110,360	
12.800	Air Force Defense Research Sciences Program	Pass-through	Rochester Scientific, LLC	048055	37,233	
12.800	Air Force Defense Research Sciences Program	Pass-through	Rochester Scientific, LLC Total		37,233	
12.800	Air Force Defense Research Sciences Program	Pass-through	South 8 Technologies, Inc.	87C97	45,631	
12.800	Air Force Defense Research Sciences Program	Pass-through	South 8 Technologies, Inc. Total		45,631	
12.800	Air Force Defense Research Sciences Program	Pass-through	SRI International	SUB P015349 (FA8750-17- C-115)	176,786	
12.800	Air Force Defense Research Sciences Program	Pass-through	SRI International Total		176,786	
12.800	Air Force Defense Research Sciences Program	Pass-through	Stanford University	008542	34,750	
12.800	Air Force Defense Research Sciences Program	Pass-through	Stanford University	6079566-114411:10	148,277	
12.800	Air Force Defense Research Sciences Program	Pass-through	Stanford University	61964931-136167	51,767	
12.800	Air Force Defense Research Sciences Program	Pass-through	Stanford University Total		234,794	
12.800	Air Force Defense Research Sciences Program	Pass-through	State University Of New York	59709	(3,135)	
12.800	Air Force Defense Research Sciences Program	Pass-through	State University Of New York	SB160126-0003D	225,315	
12.800	Air Force Defense Research Sciences Program	Pass-through	State University Of New York	SB160126-0004C	(1,790)	
12.800	Air Force Defense Research Sciences Program	Pass-through	State University Of New York	SB160126-0004D	233,955	
12.800	Air Force Defense Research Sciences Program	Pass-through	State University Of New York	SB160126-0005D	35,369	
12.800	Air Force Defense Research Sciences Program	Pass-through	State University Of New York	SB160126-0009D	113,223	
12.800	Air Force Defense Research Sciences Program	Pass-through	State University Of New York	SB160126-ADMIN 04	250,802	
12.800	Air Force Defense Research Sciences Program	Pass-through	State University Of New York	SB160126-GDP02	336,873	191,097
12.800	Air Force Defense Research Sciences Program	Pass-through	State University Of New York Total		1,190,612	191,097
12.800	Air Force Defense Research Sciences Program	Pass-through	State University Of New York Polytechnic Institute	89807	410	
12.800	Air Force Defense Research Sciences Program	Pass-through	State University Of New York Polytechnic Institute Total		410	
12.800	Air Force Defense Research Sciences Program	Pass-through	Tristan Technologies	008776	1,551	
12.800	Air Force Defense Research Sciences Program	Pass-through	Tristan Technologies	87255	4,195	
12.800	Air Force Defense Research Sciences Program	Pass-through	Tristan Technologies Total		5,746	
12.800	Air Force Defense Research Sciences Program	Pass-through	Universal Technology Corporation	A18-0724-001	80,244	
12.800	Air Force Defense Research Sciences Program	Pass-through	Universal Technology Corporation Total		80,244	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Central Florida	24086151-01	186,721	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Central Florida	A19-0646-001	132,860	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Central Florida Total		319,581	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Cincinnati	010844-002	88,482	45,270
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Cincinnati Total		88,482	45,270
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Colorado Boulder	009155	19,687	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Colorado Boulder	SUB 1557013(FA9550 -16- 1-0400)	87,727	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Colorado Boulder Total		107,414	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Connecticut	SUB 141414 (FA9550-14-1- 0351)	159,402	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Connecticut Total		159,402	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Dayton	16-D-0311	73,415	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Dayton Total		73,415	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Florida	A19-0638-001	67,906	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Florida	SUB00001676	74,062	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Florida Total		141,968	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Maryland	011110	44,491	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Maryland	3695428165003	112,483	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Maryland	7479-Z8142001:H	82,343	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Maryland	F212384-01	36,721	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Maryland Total		276,038	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Michigan	3003832475-3	156,364	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Michigan Total		156,364	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Texas System	UTA14-001123	514	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Texas System Total		514	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Texas-Austin	87C49	87,607	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Texas-Austin Total		87,607	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Texas-Dallas	A19-0807-001	48,302	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Texas-Dallas Total		48,302	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Texas-Pan American Foundation	12602015163-006	278,677	30,758
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Texas-Pan American Foundation Total		278,677	30,758
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Utah	10052440-S2	105,015	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Utah	80526	(4,130)	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Utah Total		100,884	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Washington	SUB UWSC10456 (FA9550-16-1-014 SUB UWSC8748 (FA9550- 15-1-0273	101,115	
12.800	Air Force Defense Research Sciences Program	Pass-through	University Of Washington Total		100,492	
12.800	Air Force Defense Research Sciences Program	Pass-through	Yale University	SUB C13L11586 (FA9550- 13-1-002	41,415	
12.800	Air Force Defense Research Sciences Program	Pass-through	Yale University Total		41,415	
12.800	Air Force Defense Research Sciences Program	Pass-through	Stony Brook University	77020-1137156-2	159,823	
12.800	Air Force Defense Research Sciences Program	Pass-through	Stony Brook University Total		159,823	
12.800	Air Force Defense Research Sciences Program Total				33,820,770	4,846,394
12.801	Air Force Academy Athletic Programs	Pass-through	Florida Turbine Technologies, Inc.	FTT160403	(7,196)	
12.801	Air Force Academy Athletic Programs	Pass-through	Florida Turbine Technologies, Inc. Total		(7,196)	
12.801	Air Force Academy Athletic Programs Total				(7,196)	
12.810	Air Force Medical Research And Development	Pass-through	Hypres, Inc.	86888	10,907	
12.810	Air Force Medical Research And Development	Pass-through	Hypres, Inc. Total		10,907	
12.810	Air Force Medical Research And Development	Pass-through	Quantum Design International, Inc.	010873	132,388	
12.810	Air Force Medical Research And Development	Pass-through	Quantum Design International, Inc. Total		132,388	
12.810	Air Force Medical Research And Development Total				143,294	
12.901	Mathematical Sciences Grants	Direct	Department Of Defense (DOD)	H98230-18-1-0230	298	
12.901	Mathematical Sciences Grants	Direct	Department Of Defense (DOD) Total		298	
12.901	Mathematical Sciences Grants Total				298	
12.910	Research And Technology Development	Direct	Department Of Defense (DOD)	Various	52,238,745	12,575,681
12.910	Research And Technology Development	Direct	Department Of Defense (DOD) Total		52,238,745	12,575,681
12.910	Research And Technology Development	Pass-through	Autonomous Therapeutics Inc.	D19AC00004	203,397	
12.910	Research And Technology Development	Pass-through	Autonomous Therapeutics Inc. Total		203,397	
12.910	Research And Technology Development	Pass-through	Boeing Company, The	1351956	358,086	
12.910	Research And Technology Development	Pass-through	Boeing Company, The Total		358,086	
12.910	Research And Technology Development	Pass-through	Boyce Thompson Institute For Plant Research, Inc.	17-05	820,497	
12.910	Research And Technology Development	Pass-through	Boyce Thompson Institute For Plant Research, Inc. Total		820,497	
12.910	Research And Technology Development	Pass-through	Broad Institute Inc.	SUB 5000361-5500001046 (N66001	36,715	
12.910	Research And Technology Development	Pass-through	Broad Institute Inc. Total		36,715	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
12.910	Research And Technology Development	Pass-through	Brown University	63493	(3,484)	
12.910	Research And Technology Development	Pass-through	Brown University Total		(3,484)	
12.910	Research And Technology Development	Pass-through	Carnegie Mellon University	61113	53,943	
12.910	Research And Technology Development	Pass-through	Carnegie Mellon University Total		53,943	
12.910	Research And Technology Development	Pass-through	Charles River Analytics	SC1821303	35,665	
12.910	Research And Technology Development	Pass-through	Charles River Analytics Total		35,665	
12.910	Research And Technology Development	Pass-through	Donald Danforth Plant Science Center	010121	458,187	
12.910	Research And Technology Development	Pass-through	Donald Danforth Plant Science Center Total		458,187	
12.910	Research And Technology Development	Pass-through	Duke University	313-0794	366,367	
12.910	Research And Technology Development	Pass-through	Duke University	313-0922	142,472	41,561
12.910	Research And Technology Development	Pass-through	Duke University Total		508,839	41,561
12.910	Research And Technology Development	Pass-through	Galois Inc	SUB 2019-030 (HR00111850052)	70,858	
12.910	Research And Technology Development	Pass-through	Galois Inc Total		70,858	
12.910	Research And Technology Development	Pass-through	Georgia Institute Of Technology	RL041-G5	153,282	
12.910	Research And Technology Development	Pass-through	Georgia Institute Of Technology Total		153,282	
12.910	Research And Technology Development	Pass-through	Harvard University	152236.5099921.0005- CYC3	90,666	
12.910	Research And Technology Development	Pass-through	Harvard University	A19-0906-001	68,824	
12.910	Research And Technology Development	Pass-through	Harvard University Total		159,490	
12.910	Research And Technology Development	Pass-through	Hp Inc.	59269	38,530	
12.910	Research And Technology Development	Pass-through	Hp Inc. Total		38,530	
12.910	Research And Technology Development	Pass-through	HRL Laboratories, LLC	17038-182022-QS	154,879	
12.910	Research And Technology Development	Pass-through	HRL Laboratories, LLC Total		154,879	
12.910	Research And Technology Development	Pass-through	International Business Machines Corporation	A18-0764-001	105,626	
12.910	Research And Technology Development	Pass-through	International Business Machines Corporation Total		105,626	
12.910	Research And Technology Development	Pass-through	John B. Pierce Laboratory, Inc., The	285-E	91,545	
12.910	Research And Technology Development	Pass-through	John B. Pierce Laboratory, Inc., The Total		91,545	
12.910	Research And Technology Development	Pass-through	Johns Hopkins University	2003366140	78,562	
12.910	Research And Technology Development	Pass-through	Johns Hopkins University	2003367845	401,299	
12.910	Research And Technology Development	Pass-through	Johns Hopkins University Total		479,860	
12.910	Research And Technology Development	Pass-through	Montana State University	G173-19-W7329	169,198	
12.910	Research And Technology Development	Pass-through	Montana State University	G176-19-W7329	31,361	
12.910	Research And Technology Development	Pass-through	Montana State University Total		200,559	
12.910	Research And Technology Development	Pass-through	Nevada System Of Higher Education	UNR-19-23	98,898	
12.910	Research And Technology Development	Pass-through	Nevada System Of Higher Education Total		98,898	
12.910	Research And Technology Development	Pass-through	Northeastern University	59503	1,069	
12.910	Research And Technology Development	Pass-through	Northeastern University Total		1,069	
12.910	Research And Technology Development	Pass-through	Pennsylvania State University	SUB 6047-JCSD-DARPA- 0011(D19AC	134,313	
12.910	Research And Technology Development	Pass-through	Pennsylvania State University Total		134,313	
12.910	Research And Technology Development	Pass-through	Profusa, Inc.	C1138	(5,703)	
12.910	Research And Technology Development	Pass-through	Profusa, Inc. Total		(5,703)	
12.910	Research And Technology Development	Pass-through	Raytheon Bbn Technologies Corp.	008658	99,906	
12.910	Research And Technology Development	Pass-through	Raytheon Bbn Technologies Corp.	A20-0424-001	104,743	
12.910	Research And Technology Development	Pass-through	Raytheon Bbn Technologies Corp. Total		204,649	
12.910	Research And Technology Development	Pass-through	SRI International	27-001455	77,975	
12.910	Research And Technology Development	Pass-through	SRI International	A19-0650-002	102,333	
12.910	Research And Technology Development	Pass-through	SRI International Total		180,308	
12.910	Research And Technology Development	Pass-through	The Texas A&M University System	M1901612	266,724	
12.910	Research And Technology Development	Pass-through	The Texas A&M University System Total		266,724	
12.910	Research And Technology Development	Pass-through	University Of Maryland	61397-Z9112201	356,434	
12.910	Research And Technology Development	Pass-through	University Of Maryland Total		356,434	
12.910	Research And Technology Development	Pass-through	University Of Maryland, Baltimore	D18AP00060	136,078	
12.910	Research And Technology Development	Pass-through	University Of Maryland, Baltimore Total		136,078	
12.910	Research And Technology Development	Pass-through	University Of Melbourne	DARPA-CROZIER-1	98,722	
12.910	Research And Technology Development	Pass-through	University Of Melbourne Total		98,722	
12.910	Research And Technology Development	Pass-through	University Of Minnesota	89BCG	2,688	
12.910	Research And Technology Development	Pass-through	University Of Minnesota Total		2,688	
12.910	Research And Technology Development	Pass-through	University Of North Carolina At Chapel Hill	5117495	261,981	
12.910	Research And Technology Development	Pass-through	University Of North Carolina At Chapel Hill Total		261,981	
12.910	Research And Technology Development	Pass-through	University Of Southern California	123878062	74,968	
12.910	Research And Technology Development	Pass-through	University Of Southern California	125049675	78,318	
12.910	Research And Technology Development	Pass-through	University Of Southern California Total		153,286	
12.910	Research And Technology Development	Pass-through	University Of Texas-Dallas	1705120:2	324,570	
12.910	Research And Technology Development	Pass-through	University Of Texas-Dallas Total		324,570	
12.910	Research And Technology Development Total				58,379,235	12,617,242
12.910	COVID-19 - Research And Technology Development	Direct	Department Of Defense (DOD)		5,000,000	
12.910	COVID-19 - Research And Technology Development	Direct	Department Of Defense (DOD) Total		5,000,000	
12.910	COVID-19 - Research And Technology Development Total				5,000,000	
12.RD		Direct	Department Of Energy (DOE)	7365780	69,256	
12.RD		Direct	Department Of Energy (DOE) Total		69,256	
12.RD		Direct	Department Of Defense (DOD)	Various	1,928,728	65,763
12.RD		Direct	Department Of Defense (DOD)	HR00112090084	19,789	
12.RD		Direct	Department Of Defense (DOD)	FA8620-19-C-3028	1,493,837	
12.RD		Direct	Department Of Defense (DOD)	A19-0192-001	105,448	
12.RD		Direct	Department Of Defense (DOD)	F15RQ2827AM002-cvc1	45,094	
12.RD		Direct	Department Of Defense (DOD)	F15RQ23518M001	42,936	
12.RD		Direct	Department Of Defense (DOD)	F15RQ29225M001	30,667	
12.RD		Direct	Department Of Defense (DOD)	FA8650-17-C-5402	3,557	
12.RD		Direct	Department Of Defense (DOD)	N62473-18-2-0004	312,156	260,561
12.RD		Direct	Department Of Defense (DOD)	W911NF-19-D-0001	3,746,247	1,619,705
12.RD		Direct	Department Of Defense (DOD)	W912HZ1920020	3,337,324	
12.RD		Direct	Department Of Defense (DOD)	W911NF-09-D-0001-0044	1,816,548	798,003
12.RD		Direct	Department Of Defense (DOD)	Sub 11239sc (2018-674)	587,508	
12.RD		Direct	Department Of Defense (DOD)	A18-0883-001	327,591	209,481
12.RD		Direct	Department Of Defense (DOD)	W911NF-14-1-0507	239,558	
12.RD		Direct	Department Of Defense (DOD)	SUB 8600 (W81XWH-14-2- 0176)	184,015	
12.RD		Direct	Department Of Defense (DOD)	W912HQ18C0102	158,502	79,507
12.RD		Direct	Department Of Defense (DOD)	W56HZV-16-C- 0117-P00001	113,494	
12.RD		Direct	Department Of Defense (DOD)	W912HQ18C0089	60,304	
12.RD		Direct	Department Of Defense (DOD)	W912HZ18C0031	54,834	6,304
12.RD		Direct	Department Of Defense (DOD)	W913E520C0001	53,457	
12.RD		Direct	Department Of Defense (DOD)	20194412	25,513	
12.RD		Direct	Department Of Defense (DOD)	W56HZV-16-C- 0122-P00002	9,175	
12.RD		Direct	Department Of Defense (DOD)	009753	34,680	34,680
12.RD		Direct	Department Of Defense (DOD)	HR0011-16-C-0052	3,263,061	2,269,449
12.RD		Direct	Department Of Defense (DOD)	HR0011-19-C-0083	1,635,332	579,207
12.RD		Direct	Department Of Defense (DOD)	HR0011-15-C-0055	1,547,044	901,143
12.RD		Direct	Department Of Defense (DOD)	HR001117C0029	524,352	425,482
12.RD		Direct	Department Of Defense (DOD)	HR0011-17-C-0108		
12.RD		Direct	Department Of Defense (DOD)	P00006	478,495	155,380
12.RD		Direct	Department Of Defense (DOD)	HR0011-19-C- 0043-P00003	459,298	69,368
12.RD		Direct	Department Of Defense (DOD)	W911NF-15-C- 0205-P00007	442,194	51,484
12.RD		Direct	Department Of Defense (DOD)	HR00111990050	430,996	137,660
12.RD		Direct	Department Of Defense (DOD)	Sub 2018-3555 (HR0011- 18-2-002	411,757	
12.RD		Direct	Department Of Defense (DOD)	HR0011-17-C- 0023-P00005	379,439	233,334
12.RD		Direct	Department Of Defense (DOD)	HR00111990072	354,398	
12.RD		Direct	Department Of Defense (DOD)	N6600120C4001-P00001	264,530	
12.RD		Direct	Department Of Defense (DOD)	HR001119C0049	259,968	

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
12.RD		Direct	Department Of Defense (DOD)	HR00111990069	248,588	
12.RD		Direct	Department Of Defense (DOD)	20194029-01	191,248	
12.RD		Direct	Department Of Defense (DOD)	HR00112090036	131,768	40,316
12.RD		Direct	Department Of Defense (DOD)	FA8650-19-2-7929	123,962	
12.RD		Direct	Department Of Defense (DOD)	HR00112090027	113,903	
12.RD		Direct	Department Of Defense (DOD)	HR0011-15-C-0134	110,186	
12.RD		Direct	Department Of Defense (DOD)	HR00112090038	106,952	
12.RD		Direct	Department Of Defense (DOD)	FA8750-17-C-0067	(11,978)	
12.RD		Direct	Department Of Defense (DOD)	W912HQ18C0068	496,592	171,416
12.RD		Direct	Department Of Defense (DOD)	H98230-19-C-0209	411,427	
12.RD		Direct	Department Of Defense (DOD)	W912HQ-16-C-0047	395,022	
12.RD		Direct	Department Of Defense (DOD)	W912HQ-17-C-0040	245,136	
12.RD		Direct	Department Of Defense (DOD)	20-C-0020	210,171	
12.RD		Direct	Department Of Defense (DOD)	H98230-17-C-0096	155,452	
12.RD		Direct	Department Of Defense (DOD)	W912HQ-15-C-		
12.RD		Direct	Department Of Defense (DOD)	0053-P00001	133,395	35,660
12.RD		Direct	Department Of Defense (DOD)	H98230-15-P-0150	89,404	
12.RD		Direct	Department Of Defense (DOD)	W912HQ-17-C-0009	67,616	
12.RD		Direct	Department Of Defense (DOD)	H98230-17-C-0343	66,687	
12.RD		Direct	Department Of Defense (DOD)	W912HQ18C0077	30,368	2,341
12.RD		Direct	Department Of Defense (DOD)	DHA PA Braden Hale	24,342	
12.RD		Direct	Department Of Defense (DOD)	H98230-19-C-0461	17,010	
12.RD		Direct	Department Of Defense (DOD)	H98230-18-P-1492	4,630	
12.RD		Direct	Department Of Defense (DOD)	009922	90,982	
12.RD		Direct	Department Of Defense (DOD)	N00014-16-C-3054	21,946,983	
12.RD		Direct	Department Of Defense (DOD)	N00014-12-G-0136, 0011 /		
12.RD		Direct	Department Of Defense (DOD)	N0001	2,207,142	
12.RD		Direct	Department Of Defense (DOD)	FA8750-18-C-0101	2,198,761	
12.RD		Direct	Department Of Defense (DOD)	N66001-15-C-4066	842,093	442,884
12.RD		Direct	Department Of Defense (DOD)	N00014-20-C-2005	467,646	
12.RD		Direct	Department Of Defense (DOD)	W911QY-15-C-0044	456,944	269,656
12.RD		Direct	Department Of Defense (DOD)	N00014-17-C-7049	301,874	
12.RD		Direct	Department Of Defense (DOD)	N66001-15-D-0100	289,115	
12.RD		Direct	Department Of Defense (DOD)	N6264518C4016	253,839	
12.RD		Direct	Department Of Defense (DOD)	N3943019C2149	225,507	
12.RD		Direct	Department Of Defense (DOD)	N39430-15-C-1692	210,519	201,519
12.RD		Direct	Department Of Defense (DOD)	N66001-15-D-0100 / 9091- 5600Y	178,676	
12.RD		Direct	Department Of Defense (DOD)	SUB N00173-19-P-		
12.RD		Direct	Department Of Defense (DOD)	1425(55-1412-1	175,766	
12.RD		Direct	Department Of Defense (DOD)	N00174-16-C-0020	74,113	2,235
12.RD		Direct	Department Of Defense (DOD)	W911QY-15-C-0026	69,033	
12.RD		Direct	Department Of Defense (DOD)	A20-0580-001	69,999	
12.RD		Direct	Department Of Defense (DOD)	N00173-20-P-0059	64,146	
12.RD		Direct	Department Of Defense (DOD)	N3943019P2155	35,389	
12.RD		Direct	Department Of Defense (DOD)	N00174-16-C-0013	31,699	
12.RD		Direct	Department Of Defense (DOD)	N39430-17-P-1911	30,380	
12.RD		Direct	Department Of Defense (DOD)	N00173-18-P-0930	11,657	
12.RD		Direct	Department Of Defense (DOD)	N00014-15-P-5087	5,355	
12.RD		Direct	Department Of Defense (DOD)	010585	271,818	78,529
12.RD		Direct	Department Of Defense (DOD)	010138	40,716	
12.RD		Direct	Department Of Defense (DOD)	008119	6,027	
12.RD		Direct	Department Of Defense (DOD)	10122	301,448	55,440
12.RD		Direct	Department Of Defense (DOD) Total		59,399,315	9,226,506
12.RD		Pass-through	Acree Technologies Incorporated	A20-0929	30,390	
12.RD		Pass-through	Acree Technologies Incorporated Total		30,390	
12.RD		Pass-through	American Burn Association	201119157	85,995	
12.RD		Pass-through	American Burn Association Total		85,995	
12.RD		Pass-through	Boron Specialties, LLC	009563	34,287	
12.RD		Pass-through	Boron Specialties, LLC Total		34,287	
12.RD		Pass-through	California State University, San Diego State University	SA0000449	16,031	
12.RD		Pass-through	California State University, San Diego State University Total		16,031	
12.RD		Pass-through	Cardiac Motion, LLC	A20-0938	70,631	
12.RD		Pass-through	Cardiac Motion, LLC Total		70,631	
12.RD		Pass-through	Carnegie Mellon University	011057	253,390	
12.RD		Pass-through	Carnegie Mellon University Total		253,390	
12.RD		Pass-through	Centeye Inc.	010826	7,451	
12.RD		Pass-through	Centeye Inc. Total		7,451	
12.RD		Pass-through	Charles River Analytics	009762	68,621	
12.RD		Pass-through	Charles River Analytics Total		68,621	
12.RD		Pass-through	Hypres, Inc.	86901	14,471	
12.RD		Pass-through	Hypres, Inc. Total		14,471	
12.RD		Pass-through	Infoclix Corporation	FPH02-S024	109,269	
12.RD		Pass-through	Infoclix Corporation Total		109,269	
12.RD		Pass-through	Johns Hopkins University	134841	56,832	
12.RD		Pass-through	Johns Hopkins University	W81XWH-17-1-0664	33,434	
12.RD		Pass-through	Johns Hopkins University Total		90,265	
12.RD		Pass-through	Kitware, Inc.	K001892-00-S02	207,181	
12.RD		Pass-through	Kitware, Inc. Total		207,181	
12.RD		Pass-through	Lmi Government Consulting	A20-2637-001	13,098	
12.RD		Pass-through	Lmi Government Consulting Total		13,098	
12.RD		Pass-through	Logistic Gliders Inc	201602876	75,228	
12.RD		Pass-through	Logistic Gliders Inc Total		75,228	
12.RD		Pass-through	Manufacturing Techniques, Inc.	38551	58,605	
12.RD		Pass-through	Manufacturing Techniques, Inc. Total		58,605	
12.RD		Pass-through	Mayachitra, Inc.	007843	1,482	
12.RD		Pass-through	Mayachitra, Inc.	57959	15,700	
12.RD		Pass-through	Mayachitra, Inc. Total		17,182	
12.RD		Pass-through	Metro Laser	UCI28DTRA03-CYC1	26,610	
12.RD		Pass-through	Metro Laser Total		26,610	
12.RD		Pass-through	Metron, Incorporated	008423	52,151	
12.RD		Pass-through	Metron, Incorporated Total		52,151	
12.RD		Pass-through	Military Health Research Foundation	0050	98,214	
12.RD		Pass-through	Military Health Research Foundation	FA8650-20-2-6104	25,344	
12.RD		Pass-through	Military Health Research Foundation Total		123,558	
12.RD		Pass-through	National University Of Singapore	RL2016-157	97,985	
12.RD		Pass-through	National University Of Singapore Total		97,985	
12.RD		Pass-through	New Jersey Institute Of Technology	SUB (NP)		
12.RD		Pass-through	New Jersey Institute Of Technology Total	996402/W911NF-15-C-02	30,900	
12.RD		Pass-through	Northern California Institute For Research And Education, Inc.	1679	13,042	
12.RD		Pass-through	Northern California Institute For Research And Education, Inc. Total		13,042	
12.RD		Pass-through	Nvidia Corporation	A18-1587	221,269	
12.RD		Pass-through	Nvidia Corporation Total		221,269	
12.RD		Pass-through	Oak Ridge National Laboratory	010143	177,817	
12.RD		Pass-through	Oak Ridge National Laboratory Total		177,817	
12.RD		Pass-through	Oleandir Scientific LLC	OS-208291	107,722	
12.RD		Pass-through	Oleandir Scientific LLC Total		107,722	
12.RD		Pass-through	Partow Technologies LLC	5562883-CYC1	24,373	
12.RD		Pass-through	Partow Technologies LLC Total		24,373	
12.RD		Pass-through	Pennsylvania State University	5576UCDACC0003	50,554	
12.RD		Pass-through	Pennsylvania State University Total		50,554	
12.RD		Pass-through	Raytheon Bbn Technologies Corp.	007176	61,840	
12.RD		Pass-through	Raytheon Bbn Technologies Corp.	14754	44,493	
12.RD		Pass-through	Raytheon Bbn Technologies Corp.	W911NF0920053	67,595	
12.RD		Pass-through	Raytheon Bbn Technologies Corp. Total		173,928	
12.RD		Pass-through	Real-Time Innovations, Inc.	RTI-3633	34,734	
12.RD		Pass-through	Real-Time Innovations, Inc. Total		34,734	
12.RD		Pass-through	Sandia National Laboratories	010461	1,546	

University of California
Schedule of Expenditures of Federal Awards

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June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
12.RD		Pass-through	Sandia National Laboratories	010467	38,944	
12.RD		Pass-through	Sandia National Laboratories	87A84	153	
12.RD		Pass-through	Sandia National Laboratories	PO 1925990	39,367	
12.RD		Pass-through	Sandia National Laboratories Total		80,010	
12.RD		Pass-through	Siemens Corporation	160-1-CYC2	152,747	
12.RD		Pass-through	Siemens Corporation Total		152,747	
12.RD		Pass-through	Soar Technology, Inc.	SC-18-028	74,253	
12.RD		Pass-through	Soar Technology, Inc.	SC-19-013	45,860	
12.RD		Pass-through	Soar Technology, Inc. Total		120,113	
12.RD		Pass-through	Southern Methodist University	009930	44,411	
12.RD		Pass-through	Southern Methodist University Total		44,411	
12.RD		Pass-through	SPM Labs LLC	A20-1937	83,500	
12.RD		Pass-through	SPM Labs LLC Total		83,500	
12.RD		Pass-through	SRI International	37644	210,380	
12.RD		Pass-through	SRI International	77527	133,916	
12.RD		Pass-through	SRI International	87C1B	109,740	
12.RD		Pass-through	SRI International Total		454,036	
12.RD		Pass-through	The McConnell Group, Inc.	A17-0352	66,836	
12.RD		Pass-through	The McConnell Group, Inc. Total		66,836	
12.RD		Pass-through	TRX Systems, Inc.	W31P4Q-20-C-0007SUB	27,637	
12.RD		Pass-through	TRX Systems, Inc. Total		27,637	
12.RD		Pass-through	UES, Inc.	S-977-055-002	143,694	
12.RD		Pass-through	UES, Inc. Total		143,694	
12.RD		Pass-through	University Of Alaska	UAF 17-0094	362,304	
12.RD		Pass-through	University Of Alaska Total		362,304	
12.RD		Pass-through	University Of Arizona	009643	13,334	
12.RD		Pass-through	University Of Arizona Total		13,334	
12.RD		Pass-through	University Of Illinois At Chicago	011316	96,868	
12.RD		Pass-through	University Of Illinois At Chicago Total		96,868	
12.RD		Pass-through	University Of Southern California	110332909	83,855	
12.RD		Pass-through	University Of Southern California Total		83,855	
12.RD		Pass-through	Vacuum Process Engineering, Inc	A17-0434	151,726	
12.RD		Pass-through	Vacuum Process Engineering, Inc Total		151,726	
12.RD		Pass-through	Washington State University	W912HQ19C0065	26,957	
12.RD		Pass-through	Washington State University Total		26,957	
12.RD		Pass-through	University Of Notre Dame	208126UCI	150,031	
12.RD		Pass-through	University Of Notre Dame Total		150,031	
12.RD	Total				63,813,400	9,226,506
15.029	Tribal Courts	Pass-through	Intertribal Court Of Southern California	20601	(294)	
15.029	Tribal Courts	Pass-through	Intertribal Court Of Southern California Total		(294)	
15.029	Tribal Courts Total				(294)	
15.231	Fish, Wildlife And Plant Conservation Resource Management	Direct	Department Of The Interior (DOI)	Various	49,973	
15.231	Fish, Wildlife And Plant Conservation Resource Management	Direct	Department Of The Interior (DOI) Total		49,973	
15.231	Fish, Wildlife And Plant Conservation Resource Management	Pass-through	University Of Nevada, Las Vegas/Unlv Research Foundation	007919	689	
15.231	Fish, Wildlife And Plant Conservation Resource Management	Pass-through	University Of Nevada, Las Vegas/Unlv Research Foundation Total		689	
15.231	Fish, Wildlife And Plant Conservation Resource Management Total				50,662	
15.232	Joint Fire Science Program	Direct	Department Of The Interior (DOI)	Various	202,340	3,490
15.232	Joint Fire Science Program	Direct	Department Of The Interior (DOI) Total		202,340	3,490
15.232	Joint Fire Science Program	Pass-through	University Of Wisconsin-Madison	57578	7,424	
15.232	Joint Fire Science Program	Pass-through	University Of Wisconsin-Madison Total		7,424	
15.232	Joint Fire Science Program Total				209,765	3,490
15.233	Forest And Woodlands Resource Management	Direct	Department Of The Interior (DOI)	Various	22,501	
15.233	Forest And Woodlands Resource Management	Direct	Department Of The Interior (DOI) Total		22,501	
15.233	Forest And Woodlands Resource Management Total				22,501	
15.246	Threatened And Endangered Species	Direct	Department Of The Interior (DOI)	Various	16,941	
15.246	Threatened And Endangered Species	Direct	Department Of The Interior (DOI) Total		16,941	
15.246	Threatened And Endangered Species Total				16,941	
15.247	Wildlife Resource Management	Direct	Department Of The Interior (DOI)	Various	122,188	
15.247	Wildlife Resource Management	Direct	Department Of The Interior (DOI) Total		122,188	
15.247	Wildlife Resource Management Total				122,188	
15.423	Bureau Of Ocean Energy Management (BOEM) Environmental Studies (ES)	Direct	Department Of The Interior (DOI)	Various	802,227	135,245
15.423	Bureau Of Ocean Energy Management (BOEM) Environmental Studies (ES)	Direct	Department Of The Interior (DOI) Total		802,227	135,245
15.423	Bureau Of Ocean Energy Management (BOEM) Environmental Studies (ES)	Pass-through	California State University, San Diego State University	SA0000474	147,823	
15.423	Bureau Of Ocean Energy Management (BOEM) Environmental Studies (ES)	Pass-through	California State University, San Diego State University Total		147,823	
15.423	Bureau Of Ocean Energy Management (BOEM) Environmental Studies (ES) Total				950,050	135,245
15.506	Water Desalination Research And Development	Direct	Department Of The Interior (DOI)	Various	279,895	
15.506	Water Desalination Research And Development	Direct	Department Of The Interior (DOI) Total		279,895	
15.506	Water Desalination Research And Development Total				279,895	
15.512	Central Valley Improvement Act, Title XXXIV	Direct	Department Of The Interior (DOI)	Various	5,126,647	179,751
15.512	Central Valley Improvement Act, Title XXXIV	Direct	Department Of The Interior (DOI) Total		5,126,647	179,751
15.512	Central Valley Improvement Act, Title XXXIV	Pass-through	California Delta Stewardship Council	18204	112,866	22,269
15.512	Central Valley Improvement Act, Title XXXIV	Pass-through	California Delta Stewardship Council	A20-0088-001	23,732	
15.512	Central Valley Improvement Act, Title XXXIV	Pass-through	California Delta Stewardship Council	Various	329,807	
15.512	Central Valley Improvement Act, Title XXXIV	Pass-through	California Delta Stewardship Council Total		466,405	22,269
15.512	Central Valley Improvement Act, Title XXXIV Total				5,593,052	202,020
15.517	Fish And Wildlife Coordination Act	Direct	Department Of The Interior (DOI)	Various	205,041	
15.517	Fish And Wildlife Coordination Act	Direct	Department Of The Interior (DOI) Total		205,041	
15.517	Fish And Wildlife Coordination Act Total				205,041	
15.530	Water Conservation Field Services (WCFS)	Pass-through	Metropolitan Water Dist Of So California	009980	1,684	
15.530	Water Conservation Field Services (WCFS)	Pass-through	Metropolitan Water Dist Of So California	010196	301	
15.530	Water Conservation Field Services (WCFS)	Pass-through	Metropolitan Water Dist Of So California	011307	758	
15.530	Water Conservation Field Services (WCFS)	Pass-through	Metropolitan Water Dist Of So California	179074	2,115	
15.530	Water Conservation Field Services (WCFS)	Pass-through	Metropolitan Water Dist Of So California Total		4,858	
15.530	Water Conservation Field Services (WCFS) Total				4,858	
15.533	California Water Security And Environmental Enhancement	Direct	Department Of The Interior (DOI)	Various	110,861	
15.533	California Water Security And Environmental Enhancement	Direct	Department Of The Interior (DOI) Total		110,861	
15.533	California Water Security And Environmental Enhancement Total				110,861	
15.560	Secure Water Act - Research Agreements	Direct	Department Of The Interior (DOI)	Various	9,710	

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15.560	Secure Water Act – Research Agreements	Direct	Department Of The Interior (DOI) Total		9,710	
15.560	Secure Water Act – Research Agreements Total				9,710	
15.564	Central Valley Project Conservation	Direct	Department Of The Interior (DOI)	Various	71,631	
15.564	Central Valley Project Conservation	Direct	Department Of The Interior (DOI) Total		71,631	
15.564	Central Valley Project Conservation Total				71,631	
15.608	Fish And Wildlife Management Assistance	Pass-through	Michigan State University	81C91	7,109	
15.608	Fish And Wildlife Management Assistance	Pass-through	Michigan State University Total		7,109	
15.608	Fish And Wildlife Management Assistance Total				7,109	
15.614	Coastal Wetlands Planning, Protection And Restoration Program	Pass-through	California State Coastal Conservancy	16-044	(288,940)	
15.614	Coastal Wetlands Planning, Protection And Restoration Program	Pass-through	California State Coastal Conservancy	Various	437,048	
15.614	Coastal Wetlands Planning, Protection And Restoration Program	Pass-through	California State Coastal Conservancy Total		148,108	
15.614	Coastal Wetlands Planning, Protection And Restoration Program Total				148,108	
15.615	Cooperative Endangered Species Conservation Fund	Pass-through	California Department Of Fish And Wildlife	P1620105	44,363	
15.615	Cooperative Endangered Species Conservation Fund	Pass-through	California Department Of Fish And Wildlife	P1740401	74,546	5,631
15.615	Cooperative Endangered Species Conservation Fund	Pass-through	California Department Of Fish And Wildlife	P1880109	92,436	
15.615	Cooperative Endangered Species Conservation Fund	Pass-through	California Department Of Fish And Wildlife	Q1940402	7,386	
15.615	Cooperative Endangered Species Conservation Fund	Pass-through	California Department Of Fish And Wildlife	Q1982002	13,487	
15.615	Cooperative Endangered Species Conservation Fund	Pass-through	California Department Of Fish And Wildlife Total		232,219	5,631
15.615	Cooperative Endangered Species Conservation Fund Total				232,219	5,631
15.630	Coastal	Direct	Department Of The Interior (DOI)	Various	9	
15.630	Coastal	Direct	Department Of The Interior (DOI) Total		9	
15.630	Coastal Total				9	
15.634	State Wildlife Grants	Pass-through	California Department Of Fish And Wildlife	P1780004	52,698	
15.634	State Wildlife Grants	Pass-through	California Department Of Fish And Wildlife	P1880100	27,005	
15.634	State Wildlife Grants	Pass-through	California Department Of Fish And Wildlife Total		79,703	
15.634	State Wildlife Grants Total				79,703	
15.650	Research Grants (Generic)	Direct	Department Of The Interior (DOI)	Various	11,465	
15.650	Research Grants (Generic)	Direct	Department Of The Interior (DOI) Total		11,465	
15.650	Research Grants (Generic)	Pass-through	Southwest Wetlands Interpretive Association	20181562	11,673	
15.650	Research Grants (Generic)	Pass-through	Southwest Wetlands Interpretive Association Total		11,673	
15.650	Research Grants (Generic) Total				23,138	
15.657	Endangered Species Recovery Implementation	Direct	Department Of The Interior (DOI)	Various	166,348	
15.657	Endangered Species Recovery Implementation	Direct	Department Of The Interior (DOI) Total		166,348	
15.657	Endangered Species Recovery Implementation Total				166,348	
15.658	Natural Resource Damage Assessment And Restoration	Direct	Department Of The Interior (DOI)	Various	1,107	
15.658	Natural Resource Damage Assessment And Restoration	Direct	Department Of The Interior (DOI) Total		1,107	
15.658	Natural Resource Damage Assessment And Restoration Total				1,107	
15.660	Candidate Species Conservation	Direct	Department Of The Interior (DOI)	Various	1,625	
15.660	Candidate Species Conservation	Direct	Department Of The Interior (DOI) Total		1,625	
15.660	Candidate Species Conservation Total				1,625	
15.663	Nfwf-USfws Conservation Partnership	Pass-through	Trout Unlimited	8745B	64,133	
15.663	Nfwf-USfws Conservation Partnership	Pass-through	Trout Unlimited Total		64,133	
15.663	Nfwf-USfws Conservation Partnership Total				64,133	
15.669	Cooperative Landscape Conservation	Direct	Department Of The Interior (DOI)	Various	9,137	
15.669	Cooperative Landscape Conservation	Direct	Department Of The Interior (DOI) Total		9,137	
15.669	Cooperative Landscape Conservation Total				9,137	
15.678	Cooperative Ecosystem Studies Units	Direct	Department Of The Interior (DOI)	Various	1,454,243	
15.678	Cooperative Ecosystem Studies Units	Direct	Department Of The Interior (DOI) Total		1,454,243	
15.678	Cooperative Ecosystem Studies Units Total				1,454,243	
15.805	Assistance To State Water Resources Research Institutes	Direct	Department Of The Interior (DOI)	Various	99,568	7,117
15.805	Assistance To State Water Resources Research Institutes	Direct	Department Of The Interior (DOI) Total		99,568	7,117
15.805	Assistance To State Water Resources Research Institutes Total				99,568	7,117
15.807	Earthquake Hazards Program Assistance	Direct	Department Of The Interior (DOI)	Various	1,784,512	
15.807	Earthquake Hazards Program Assistance	Direct	Department Of The Interior (DOI) Total		1,784,512	
15.807	Earthquake Hazards Program Assistance	Pass-through	University Of Southern California	118062774	6,250	
15.807	Earthquake Hazards Program Assistance	Pass-through	University Of Southern California	118062867-CYC1	677	
15.807	Earthquake Hazards Program Assistance	Pass-through	University Of Southern California	118063052	20,208	
15.807	Earthquake Hazards Program Assistance	Pass-through	University Of Southern California	118063069-H	18,913	
15.807	Earthquake Hazards Program Assistance	Pass-through	University Of Southern California	118063069-I	729	
15.807	Earthquake Hazards Program Assistance	Pass-through	University Of Southern California	59917	1,079	
15.807	Earthquake Hazards Program Assistance	Pass-through	University Of Southern California	59918	9,717	
15.807	Earthquake Hazards Program Assistance	Pass-through	University Of Southern California	59919	10,541	
15.807	Earthquake Hazards Program Assistance	Pass-through	University Of Southern California	86978	241	
15.807	Earthquake Hazards Program Assistance	Pass-through	University Of Southern California	87A40	11,329	
15.807	Earthquake Hazards Program Assistance	Pass-through	University Of Southern California	SUB 118062961	33,110	
15.807	Earthquake Hazards Program Assistance	Pass-through	University Of Southern California Total	(G17AC00047)	121,795	
15.807	Earthquake Hazards Program Assistance Total				1,906,307	
15.808	U.S. Geological Survey Research And Data Collection	Direct	Department Of The Interior (DOI)	Various	4,165,947	10,391
15.808	U.S. Geological Survey Research And Data Collection	Direct	Department Of The Interior (DOI) Total		4,165,947	10,391
15.808	U.S. Geological Survey Research And Data Collection	Pass-through	University Of Southern California	131436500	528	
15.808	U.S. Geological Survey Research And Data Collection	Pass-through	University Of Southern California Total		528	
15.808	U.S. Geological Survey Research And Data Collection Total				4,166,475	10,391
15.815	National Land Remote Sensing Education Outreach And Research	Pass-through	Americaview, Inc.	AV18-CA-01	23,496	
15.815	National Land Remote Sensing Education Outreach And Research	Pass-through	Americaview, Inc. Total		23,496	
15.815	National Land Remote Sensing Education Outreach And Research Total				23,496	
15.820	National And Regional Climate Adaptation Science Centers	Pass-through	Oceans Initiative	A20-0558-001	54,398	
15.820	National And Regional Climate Adaptation Science Centers	Pass-through	Oceans Initiative Total		54,398	
15.820	National And Regional Climate Adaptation Science Centers	Pass-through	University Of Arizona	419572	35,191	(1,121)
15.820	National And Regional Climate Adaptation Science Centers	Pass-through	University Of Arizona	478582	47,964	
15.820	National And Regional Climate Adaptation Science Centers	Pass-through	University Of Arizona	4857641	33,215	
15.820	National And Regional Climate Adaptation Science Centers	Pass-through	University Of Arizona	G18AC00320	78,921	

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15.820	National And Regional Climate Adaptation Science Centers	Pass-through	University Of Arizona	G19AP00038	91,820	
15.820	National And Regional Climate Adaptation Science Centers	Pass-through	University Of Arizona Total		287,110	(1,121)
15.820	National And Regional Climate Adaptation Science Centers Total				341,508	(1,121)
15.904	Historic Preservation Fund Grants-In-Aid	Pass-through	California Parks And Recreation, Department Of	80158	1,000	
15.904	Historic Preservation Fund Grants-In-Aid	Pass-through	California Parks And Recreation, Department Of	C8963514	1,000	
15.904	Historic Preservation Fund Grants-In-Aid	Pass-through	California Parks And Recreation, Department Of Total		2,000	
15.904	Historic Preservation Fund Grants-In-Aid Total				2,000	
15.923	National Center For Preservation Technology And Training	Direct	Department Of The Interior (DOI)	Various	9,752	
15.923	National Center For Preservation Technology And Training	Direct	Department Of The Interior (DOI) Total		9,752	
15.923	National Center For Preservation Technology And Training Total				9,752	
15.945	Cooperative Research And Training Programs – Resources Of The National Park System	Direct	Department Of The Interior (DOI)	Various	1,988,574	119,864
15.945	Cooperative Research And Training Programs – Resources Of The National Park System	Direct	Department Of The Interior (DOI) Total		1,988,574	119,864
15.945	Cooperative Research And Training Programs – Resources Of The National Park System	Pass-through	Colorado State University	G-09814-02	89,281	
15.945	Cooperative Research And Training Programs – Resources Of The National Park System	Pass-through	Colorado State University Total		89,281	
15.945	Cooperative Research And Training Programs – Resources Of The National Park System	Pass-through	Cooperative Ecosystem Studies Units	P13AC00676	2,886	
15.945	Cooperative Research And Training Programs – Resources Of The National Park System	Pass-through	Cooperative Ecosystem Studies Units Total		2,886	
15.945	Cooperative Research And Training Programs – Resources Of The National Park System	Pass-through	University Of Georgia	P17AC01606	2,420	
15.945	Cooperative Research And Training Programs – Resources Of The National Park System	Pass-through	University Of Georgia Total		2,420	
15.945	Cooperative Research And Training Programs – Resources Of The National Park System Total				2,083,161	119,864
15.RD		Direct	Department Of The Interior (DOI)	Various	371,494	
15.RD		Direct	Department Of The Interior (DOI)	G19AC00027	17,371	
15.RD		Direct	Department Of The Interior (DOI)	8841-2017-4234	145,511	
15.RD		Direct	Department Of The Interior (DOI)	15093-2018-4885	108,533	
15.RD		Direct	Department Of The Interior (DOI)	140R8h19P0052	74,399	
15.RD		Direct	Department Of The Interior (DOI)	R16PC00029	56,634	
15.RD		Direct	Department Of The Interior (DOI)	F16PX02290	46,287	
15.RD		Direct	Department Of The Interior (DOI)	140F0118P0248:P00001	15,000	
15.RD		Direct	Department Of The Interior (DOI)	F19AC00389	10,000	
15.RD		Direct	Department Of The Interior (DOI)	A15-0167-006	(535)	
15.RD		Direct	Department Of The Interior (DOI) Total		844,694	
15.RD		Pass-through	California Department Of Fish And Wildlife	011344	44,992	
15.RD		Pass-through	California Department Of Fish And Wildlife Total		44,992	
15.RD		Pass-through	California Division Of Boating And Waterways	C1370030	36,045	
15.RD		Pass-through	California Division Of Boating And Waterways Total		36,045	
15.RD		Pass-through	Colorado State University	007958	39,501	
15.RD		Pass-through	Colorado State University Total		39,501	
15.RD		Pass-through	Friends Of The Desert Mountains	010940	25,000	
15.RD		Pass-through	Friends Of The Desert Mountains Total		25,000	
15.RD		Pass-through	Metro Laser	UCI26DI02	61,490	
15.RD		Pass-through	Metro Laser Total		61,490	
15.RD	Total				1,051,721	
16.026	OWV Research And Evaluation Program	Direct	Department Of Justice (DOJ)	2016-SI-AX-0008	78,748	
16.026	OWV Research And Evaluation Program	Direct	Department Of Justice (DOJ) Total		78,748	
16.026	OWV Research And Evaluation Program Total				78,748	
16.123	Community-Based Violence Prevention Program	Direct	Department Of Justice (DOJ)	20145330-01	19,636	
16.123	Community-Based Violence Prevention Program	Direct	Department Of Justice (DOJ) Total		19,636	
16.123	Community-Based Violence Prevention Program	Pass-through	Research Foundation Cuny, City University Of New York	81695	933	
16.123	Community-Based Violence Prevention Program	Pass-through	Research Foundation Cuny, City University Of New York Total		933	
16.123	Community-Based Violence Prevention Program Total				20,569	
16.525	Grants To Reduce Domestic Violence, Dating Violence, Sexual Assault, And Stalking On Campus	Direct	Department Of Justice (DOJ)	Various	128,886	
16.525	Grants To Reduce Domestic Violence, Dating Violence, Sexual Assault, And Stalking On Campus	Direct	Department Of Justice (DOJ) Total		128,886	
16.525	Grants To Reduce Domestic Violence, Dating Violence, Sexual Assault, And Stalking On Campus Total				128,886	
16.526	OWV Technical Assistance Initiative	Direct	Department Of Justice (DOJ)	2017-JJ-CX-0033	213,905	
16.526	OWV Technical Assistance Initiative	Direct	Department Of Justice (DOJ) Total		213,905	
16.526	OWV Technical Assistance Initiative Total				213,905	
16.560	National Institute Of Justice Research, Evaluation, And Development Project Grants	Direct	Department Of Justice (DOJ)	Various	2,474,283	272,689
16.560	National Institute Of Justice Research, Evaluation, And Development Project Grants	Direct	Department Of Justice (DOJ) Total		2,474,283	272,689
16.560	National Institute Of Justice Research, Evaluation, And Development Project Grants	Pass-through	Colorado State University	SUB G-75544-01 (2016-DN-BX-419	146,192	
16.560	National Institute Of Justice Research, Evaluation, And Development Project Grants	Pass-through	Colorado State University Total		146,192	
16.560	National Institute Of Justice Research, Evaluation, And Development Project Grants	Pass-through	University Of Nebraska	45-0306-1029-202-CYC1	13,654	
16.560	National Institute Of Justice Research, Evaluation, And Development Project Grants	Pass-through	University Of Nebraska Total		13,654	
16.560	National Institute Of Justice Research, Evaluation, And Development Project Grants	Pass-through	University Of Pittsburgh	SUB 0059288(413941-5) (2017-MU	46,640	
16.560	National Institute Of Justice Research, Evaluation, And Development Project Grants	Pass-through	University Of Pittsburgh Total		46,640	
16.560	National Institute Of Justice Research, Evaluation, And Development Project Grants Total				2,680,770	272,689
16.562	Criminal Justice Research And Development Graduate Research Fellowships	Direct	Department Of Justice (DOJ)	Various	9,630	
16.562	Criminal Justice Research And Development Graduate Research Fellowships	Direct	Department Of Justice (DOJ) Total		9,630	
16.562	Criminal Justice Research And Development Graduate Research Fellowships Total				9,630	
16.566	National Institute Of Justice W.E.B. Dubois Fellowship Program	Direct	Department Of Justice (DOJ)	2017-JJ-CX-0044	136,693	
16.566	National Institute Of Justice W.E.B. Dubois Fellowship Program	Direct	Department Of Justice (DOJ) Total		136,693	
16.566	National Institute Of Justice W.E.B. Dubois Fellowship Program Total				136,693	
16.590	Grants To Encourage Arrest Policies And Enforcement Of Protection Orders Program	Pass-through	Contra Costa County	20-084-0	211,760	

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16.590	Grants To Encourage Arrest Policies And Enforcement Of Protection Orders Program	Pass-through	Contra Costa County Total		211,760	
16.590	Grants To Encourage Arrest Policies And Enforcement Of Protection Orders Program Total				211,760	
16.726	Juvenile Mentoring Program	Pass-through	National 4-H Council	32C03	34,728	3,733
16.726	Juvenile Mentoring Program	Pass-through	National 4-H Council	71A77	(2,476)	
16.726	Juvenile Mentoring Program	Pass-through	National 4-H Council Total		32,252	3,733
16.726	Juvenile Mentoring Program Total				32,252	3,733
16.734	Special Data Collections And Statistical Studies	Direct	Department Of Justice (DOJ)	Various	18,085	
16.734	Special Data Collections And Statistical Studies	Direct	Department Of Justice (DOJ) Total		18,085	
16.734	Special Data Collections And Statistical Studies Total				18,085	
16.754	Harold Rogers Prescription Drug Monitoring Program	Direct	Department Of Justice (DOJ)	2018-PM-BX-K026	165,578	317
16.754	Harold Rogers Prescription Drug Monitoring Program	Direct	Department Of Justice (DOJ) Total		165,578	317
16.754	Harold Rogers Prescription Drug Monitoring Program Total				165,578	317
16.RD		Direct	Department Of Justice (DOJ)	Various	34,869	
16.RD		Direct	Department Of Justice (DOJ) Total		34,869	
16.RD	Total				34,869	
17.268	H-1B Job Training Grants	Direct	Department Of Labor (DOL)	HG-34416-20-60-A-6	52,265	
17.268	H-1B Job Training Grants	Direct	Department Of Labor (DOL) Total		52,265	
17.268	H-1B Job Training Grants	Pass-through	Avar Consulting, Inc.	2018-001-CYC1	13,751	
17.268	H-1B Job Training Grants	Pass-through	Avar Consulting, Inc. Total		13,751	
17.268	H-1B Job Training Grants Total				66,016	
17.270	Reentry Employment Opportunities	Pass-through	Avar Consulting, Inc.	DOL-OPS-15-C-0060	(49)	
17.270	Reentry Employment Opportunities	Pass-through	Avar Consulting, Inc. Total		(49)	
17.270	Reentry Employment Opportunities Total				(49)	
17.401	International Labor Programs	Direct	Department Of Labor (DOL)	IL-31824-18-75-K	129,114	
17.401	International Labor Programs	Direct	Department Of Labor (DOL) Total		129,114	
17.401	International Labor Programs Total				129,114	
17.502	Occupational Safety And Health Susan Harwood Training Grants	Direct	Department Of Labor (DOL)	Various	146,485	
17.502	Occupational Safety And Health Susan Harwood Training Grants	Direct	Department Of Labor (DOL) Total		146,485	
17.502	Occupational Safety And Health Susan Harwood Training Grants Total				146,485	
17.791	Department Of Labor Chief Evaluation Office	Direct	Department Of Labor (DOL)	EO-30270-17-60-5-6	17,283	
17.791	Department Of Labor Chief Evaluation Office	Direct	Department Of Labor (DOL) Total		17,283	
17.791	Department Of Labor Chief Evaluation Office Total				17,283	
19.415	Professional And Cultural Exchange Programs - Citizen Exchanges	Pass-through	Aspen Institute, The	043925	53,290	
19.415	Professional And Cultural Exchange Programs - Citizen Exchanges	Pass-through	Aspen Institute, The Total		53,290	
19.415	Professional And Cultural Exchange Programs - Citizen Exchanges Total				53,290	
19.501	Public Diplomacy Programs For Afghanistan And Pakistan	Direct	Department Of State (DOS)	Various	600,350	253,023
19.501	Public Diplomacy Programs For Afghanistan And Pakistan	Direct	Department Of State (DOS) Total		600,350	253,023
19.501	Public Diplomacy Programs For Afghanistan And Pakistan Total				600,350	253,023
19.700	General Department Of State Assistance	Pass-through	Commission Of International Justice And Accountability	048239	28,907	
19.700	General Department Of State Assistance	Pass-through	Commission Of International Justice And Accountability Total		28,907	
19.700	General Department Of State Assistance Total				28,907	
19.705	Trans-National Crime	Direct	Department Of State (DOS)	Various	86,198	
19.705	Trans-National Crime	Direct	Department Of State (DOS) Total		86,198	
19.705	Trans-National Crime Total				86,198	
20.108	Aviation Research Grants	Direct	Department Of Transportation (DOT)	Various	9,908	
20.108	Aviation Research Grants	Direct	Department Of Transportation (DOT) Total		9,908	
20.108	Aviation Research Grants Total				9,908	
20.109	Air Transportation Centers Of Excellence	Direct	Department Of Transportation (DOT)	Various	18,981	
20.109	Air Transportation Centers Of Excellence	Direct	Department Of Transportation (DOT) Total		18,981	
20.109	Air Transportation Centers Of Excellence Total				18,981	
20.200	Highway Research And Development Program	Direct	Department Of Transportation (DOT)	Various	94,493	
20.200	Highway Research And Development Program	Direct	Department Of Transportation (DOT) Total		94,493	
20.200	Highway Research And Development Program	Pass-through	Minnesota Department Of Transportation	1034818	13,982	
20.200	Highway Research And Development Program	Pass-through	Minnesota Department Of Transportation Total		13,982	
20.200	Highway Research And Development Program	Pass-through	Virginia Transportation Research Council	111463	50,930	
20.200	Highway Research And Development Program	Pass-through	Virginia Transportation Research Council Total		50,930	
20.200	Highway Research And Development Program Total				159,405	
20.215	Highway Training And Education	Direct	Department Of Transportation (DOT)	Various	101,809	
20.215	Highway Training And Education	Direct	Department Of Transportation (DOT) Total		101,809	
20.215	Highway Training And Education	Pass-through	Oregon Department Of Transportation	30286	105,150	99,475
20.215	Highway Training And Education	Pass-through	Oregon Department Of Transportation Total		105,150	99,475
20.215	Highway Training And Education Total				206,959	99,475
20.505	Metropolitan Transportation Planning And State And Non-Metropolitan Planning And Research	Pass-through	Southern California Association Of Governments	M-033-18	142,091	
20.505	Metropolitan Transportation Planning And State And Non-Metropolitan Planning And Research	Pass-through	Southern California Association Of Governments Total		142,091	
20.505	Metropolitan Transportation Planning And State And Non-Metropolitan Planning And Research Total				142,091	
20.514	Public Transportation Research, Technical Assistance, And Training	Pass-through	Eno Transportation Foundation Inc.	20183987	25,582	
20.514	Public Transportation Research, Technical Assistance, And Training	Pass-through	Eno Transportation Foundation Inc. Total		25,582	
20.514	Public Transportation Research, Technical Assistance, And Training Total				25,582	
20.701	University Transportation Centers Program	Direct	Department Of Transportation (DOT)	Various	2,662,365	1,121,022
20.701	University Transportation Centers Program	Direct	Department Of Transportation (DOT) Total		2,662,365	1,121,022
20.701	University Transportation Centers Program	Pass-through	Cornell University	79841-10829	495,272	
20.701	University Transportation Centers Program	Pass-through	Cornell University Total		495,272	

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20.701	University Transportation Centers Program	Pass-through	San Jose State University Research Foundation	21-1100-5726-UCI	30,263	
20.701	University Transportation Centers Program	Pass-through	San Jose State University Research Foundation Total		30,263	
20.701	University Transportation Centers Program	Pass-through	Texas A&M University - College Station	008768	12,637	
20.701	University Transportation Centers Program	Pass-through	Texas A&M University - College Station Total		12,637	
20.701	University Transportation Centers Program	Pass-through	University Of North Carolina System	5106575	351,413	
20.701	University Transportation Centers Program	Pass-through	University Of North Carolina System Total		351,413	
20.701	University Transportation Centers Program	Pass-through	University Of Southern California	84377997.2	380,345	
20.701	University Transportation Centers Program	Pass-through	University Of Southern California	84381457	251,715	
20.701	University Transportation Centers Program	Pass-through	University Of Southern California Total		632,061	
20.701	University Transportation Centers Program Total				4,184,011	1,121,022
20.817	Air Emissions And Energy Initiative	Direct	Department Of Transportation (DOT)	Various	3,825	
20.817	Air Emissions And Energy Initiative	Direct	Department Of Transportation (DOT) Total		3,825	
20.817	Air Emissions And Energy Initiative Total				3,825	
20.RD		Direct	Department Of Transportation (DOT)	693JJ319C000006	414,884	200,024
20.RD		Direct	Department Of Transportation (DOT)	A17-0313	240,861	
20.RD		Direct	Department Of Transportation (DOT)	693JJ619C000008	136,760	
20.RD		Direct	Department Of Transportation (DOT)	693JJ6180000002	112,154	
20.RD		Direct	Department Of Transportation (DOT)	693JJ619C0000019	64,329	
20.RD		Direct	Department Of Transportation (DOT)	DTFR53-16-C-00024	(225)	
20.RD		Direct	Department Of Transportation (DOT) Total		968,762	200,024
20.RD		Pass-through	Amec Foster Wheeler Environment & Infrastructure, Inc.	A19-2103	(2,346)	
20.RD		Pass-through	Amec Foster Wheeler Environment & Infrastructure, Inc. Total		(2,346)	
20.RD		Pass-through	Kern Council Of Governments	A20-3269	20,874	
20.RD		Pass-through	Kern Council Of Governments Total		20,874	
20.RD		Pass-through	Sacramento Area Council Of Governments	SACOG MASTER	27,648	
20.RD		Pass-through	Sacramento Area Council Of Governments Total		27,648	
20.RD		Pass-through	University Of Southern California	114483100	56,466	
20.RD		Pass-through	University Of Southern California	65A0674-TO 009	26,880	
20.RD		Pass-through	University Of Southern California	65A0674-TO 007	29,975	
20.RD		Pass-through	University Of Southern California	84380215	207,690	
20.RD		Pass-through	University Of Southern California Total		321,011	
20.RD		Pass-through	University Of Utah	009622	19,690	
20.RD		Pass-through	University Of Utah Total		19,690	
20.RD	Total				1,355,638	200,024
32.RD		Direct	Federal Communications Commission	Various	19,022	
32.RD		Direct	Federal Communications Commission Total		19,022	
32.RD	Total				19,022	
39.RD		Direct	General Services Administration	Various	47,736	
39.RD		Direct	General Services Administration Total		47,736	
39.RD	Total				47,736	
43.001	Science	Direct	National Aeronautics And Space Administration	Various	55,958,093	7,223,513
43.001	Science	Direct	National Aeronautics And Space Administration Total		55,958,093	7,223,513
43.001	Science	Pass-through	Aerospace Corporation	4600005842	9,847	
43.001	Science	Pass-through	Aerospace Corporation	4600006620	16,662	
43.001	Science	Pass-through	Aerospace Corporation Total		26,509	
43.001	Science	Pass-through	Analytical Mechanics Associates, Inc.	010037	48,537	
43.001	Science	Pass-through	Analytical Mechanics Associates, Inc. Total		48,537	
43.001	Science	Pass-through	Arizona State University/Tempe	009968	902	
43.001	Science	Pass-through	Arizona State University/Tempe	17-176	69,786	
43.001	Science	Pass-through	Arizona State University/Tempe	80NSSC19K0475	130	
43.001	Science	Pass-through	Arizona State University/Tempe	A16-0487-008	10,149	
43.001	Science	Pass-through	Arizona State University/Tempe	A17-0383-001	69,380	
43.001	Science	Pass-through	Arizona State University/Tempe	A19-0435-001	45,937	
43.001	Science	Pass-through	Arizona State University/Tempe	ASUB000000023	24,902	
43.001	Science	Pass-through	Arizona State University/Tempe Total		221,187	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	007210	40,225	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	007278	25,606	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	007575	11,200	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	008405	3,215	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	008659	9,706	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	008660	8,852	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	008818	15,853	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	009043	16,111	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	010021	80,373	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	010274	29,202	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	011509	13,086	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	58305	(23)	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	58387	2,374	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	58389	8,645	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	58398	16,830	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	58403	8,323	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	58405	11,476	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	58410	937	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	58889	17	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	79791	2,542	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	80461	(6,189)	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A16-0354-001	18,851	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0419-001	31,707	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0420-001	15,646	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0494-001	20	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0495-001	15,554	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0530-001	97,754	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0533-001	21,665	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0539-002	10,305	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0545-001	1,240	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0547-001	1,210	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0548-001	120,868	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0563-001	2,518	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0564-001	192	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0565-001	6,302	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0577-001	4,947	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A17-0818-001	6,845	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A18-0596-001	59,105	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A18-0606-001	3,778	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A18-0610-001	138,974	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A18-0622-001	3,785	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A18-0623-001	24,981	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A18-0624-001	77,730	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A18-0626-001	97,515	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A18-0627-001	95,458	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A18-0628-001	14,363	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A18-0630-001	31,897	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A18-0796-001	11,822	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A19-0649-001	1,386	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A19-0690-001	17,580	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A19-0746-001	(33)	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A19-0752-001	92	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A19-0755-001	1,537	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A19-0831-001	22,747	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A19-0866-001	19,184	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A20-0419-001	75,783	

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A20-0426-001	91,367	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A20-0575-001	541	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	A20-0577-001	24,812	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-AR-14295.001-A	30,397	
				HST-AR-14554.001-A-CYC1		
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-AR-15006.002-A-CYC1	27,050	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-AR-15026.002-A	10,519	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-AR-15031.001-A	188	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-AR-15031.001-A	84,432	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-AR-15057.001	46,614	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-AR-15801.001-A	13,935	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14646.003-A	10,548	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-12914.008-A.1	37,951	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-13453.004-A.3	(8,082)	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-13742.005-A	61,861	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14044.001-A	1,518	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14045.001-A	19,107	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14117.003-A	5,129	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14467.003-A.1	5,546	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14474.001-A	234	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14528.003-A	(1)	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14610.015-A	17,178	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14621.002-A	3,208	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14630.002-A	1,671	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14668.001-A	11,369	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14701.002-A	(44)	
				HST-GO-14744.002-A-CYC1		
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14744.002-A-CYC1	1,956	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14790.002-A	1,769	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14839.001-A	50,067	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14864.002-A	6,194	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14872.011-A	4,126	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14884.002-A	6,195	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14894.004-A	1,811	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14922.003-A	(657)	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15077.001-A	63,195	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15096.003-A.1	7	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15115.002-A	110,124	
				HST-GO-15123.001-A-CYC1		
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15177.008-A	5,869	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15199.001-A	27,683	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15212.007-A	66,645	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15212.007-A	49,167	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15213.002-A	54,140	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15231.002-A	38,774	
				HST-GO-15242.017-A-CYC1		
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15287.001-A	12,349	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15320.001-A	51,759	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15328.002-A	86,548	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15328.002-A	8,947	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15342.001-A	2,308	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15343.001-A	11,702	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15344.001-A	45,407	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15471.001-A.2	8,516	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15481.002-A	1,577	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15623.002-A	2,248	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15652.001-A	24,977	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15652.005-A	10,921	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15706.002-A	1,580	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15902.033-A	22,362	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15919.007-A	2,995	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15923.002-A	7,082	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15973.001-A	4,441	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-16004.001-A	46,220	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-16009.001-A	850	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	HST-GO-16041.001-A	850	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy	JWST-ERS-01324.001-A.1	63,389	
43.001	Science	Pass-through	Association Of Universities For Research In Astronomy Total		2,754,810	
43.001	Science	Pass-through	Atac	10-1616-UCB	67,505	
43.001	Science	Pass-through	Atac Total		67,505	
43.001	Science	Pass-through	Auburn University	17-PHY5-209378-UCLA.2	23,590	
43.001	Science	Pass-through	Auburn University Total		23,590	
43.001	Science	Pass-through	Bay Area Research Corporation	047819	38,486	
43.001	Science	Pass-through	Bay Area Research Corporation Total		38,486	
43.001	Science	Pass-through	Baylor College Of Medicine	010481	554,766	
43.001	Science	Pass-through	Baylor College Of Medicine Total		554,766	
43.001	Science	Pass-through	Bermuda Institute Of Ocean Sciences	15444UCSB	(30)	
43.001	Science	Pass-through	Bermuda Institute Of Ocean Sciences Total		(30)	
43.001	Science	Pass-through	Bigelow Laboratory For Ocean Sciences	BLOS 17-001	61,063	
43.001	Science	Pass-through	Bigelow Laboratory For Ocean Sciences Total		61,063	
43.001	Science	Pass-through	Blue Marble Space	009672	54,864	
43.001	Science	Pass-through	Blue Marble Space Total		54,864	
43.001	Science	Pass-through	Boston University	4500002617.002	20,072	
43.001	Science	Pass-through	Boston University Total		20,072	
43.001	Science	Pass-through	California Institute Of Technology	011169	100,329	
43.001	Science	Pass-through	California Institute Of Technology	80NSSC19M0129	42,289	
43.001	Science	Pass-through	California Institute Of Technology	S382664-CYC3	14,730	
43.001	Science	Pass-through	California Institute Of Technology	S390588.02	12,357	
43.001	Science	Pass-through	California Institute Of Technology	S437620	3,503	
43.001	Science	Pass-through	California Institute Of Technology	S467134	20,976	
43.001	Science	Pass-through	California Institute Of Technology	S419758	108,386	
43.001	Science	Pass-through	California Institute Of Technology Total		302,570	
43.001	Science	Pass-through	California State University	117801	14,615	
43.001	Science	Pass-through	California State University Total		14,615	
43.001	Science	Pass-through	California State University San Marcos Corporation	93239/85142 - UCSB	16,459	
43.001	Science	Pass-through	California State University San Marcos Corporation Total		16,459	
43.001	Science	Pass-through	California State University, San Diego State University	63710	1,135	
43.001	Science	Pass-through	California State University, San Diego State University Total		1,135	
43.001	Science	Pass-through	Catholic University Of America, The	88745	8,935	
43.001	Science	Pass-through	Catholic University Of America, The Total		8,935	
43.001	Science	Pass-through	Clemson University	2151-204-2013427	11,308	
43.001	Science	Pass-through	Clemson University Total		11,308	
43.001	Science	Pass-through	Consortium For Ocean Leadership	87CD6	51,366	
43.001	Science	Pass-through	Consortium For Ocean Leadership	SA 16-33	48,479	
43.001	Science	Pass-through	Consortium For Ocean Leadership Total		99,846	
43.001	Science	Pass-through	Drexel University	850059	64,630	
43.001	Science	Pass-through	Drexel University Total		64,630	
43.001	Science	Pass-through	Earth And Space Research	ESR-2016-224-UCSD	105,063	
43.001	Science	Pass-through	Earth And Space Research Total		105,063	
43.001	Science	Pass-through	George Mason University	E2048401	35,117	
43.001	Science	Pass-through	George Mason University Total		35,117	
43.001	Science	Pass-through	Georgia Institute Of Technology	AWD-101557-G2	137,053	
43.001	Science	Pass-through	Georgia Institute Of Technology	AWD-102551-G4	47,716	
43.001	Science	Pass-through	Georgia Institute Of Technology Total		184,768	
43.001	Science	Pass-through	GSI Environmental, Inc	13-009	409,431	147,646
43.001	Science	Pass-through	GSI Environmental, Inc Total		409,431	147,646
43.001	Science	Pass-through	Harvard University	130812-5096205	117,544	
43.001	Science	Pass-through	Harvard University Total		117,544	
43.001	Science	Pass-through	Incom, Inc.	047863	9,842	

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
43.001	Science	Pass-through	Incom, Inc. Total		9,842	
43.001	Science	Pass-through	Jet Propulsion Laboratory	010080	224	
43.001	Science	Pass-through	Jet Propulsion Laboratory	010410	3,259	
43.001	Science	Pass-through	Jet Propulsion Laboratory	010648	20,855	
43.001	Science	Pass-through	Jet Propulsion Laboratory	010711	5,774	
43.001	Science	Pass-through	Jet Propulsion Laboratory	010800	7,781	
43.001	Science	Pass-through	Jet Propulsion Laboratory	010814	49,985	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1401886-013	136,007	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1409806-034	31,064	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1409809-044	(14,414)	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1490248-013	82,825	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1512986-002	334,058	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1522155-006	(692)	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1524322	56,333	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1525520-005	8,369	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1536981	80,864	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1537426-012	1,284,586	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1542315-008	13,834	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1557709	28,986	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1564598	406	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1565346-003	32,737	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1565887-001	2,712	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1567551-002	17,625	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1568910	139,973	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1570200-008	30	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1570407-003	63,394	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1572480-CYC2	17,470	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1572667	14,033	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1581947	1,572	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1584427	12,616	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1612525	25,821	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1613317-CYC1	13,813	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1613461-CYC1	26,905	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1616972	13,165	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1618801	81,343	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1619275	23,623	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1619578	35,150	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1620723	101,351	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1622593	31,045	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1623803-CYC1	26,024	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1625238	3,334	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1643024	9,545	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1644664	23,974	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1647964	1,529	
43.001	Science	Pass-through	Jet Propulsion Laboratory	79316	37	
43.001	Science	Pass-through	Jet Propulsion Laboratory	79468	(882)	
43.001	Science	Pass-through	Jet Propulsion Laboratory	79493	26	
43.001	Science	Pass-through	Jet Propulsion Laboratory	86963	348	
43.001	Science	Pass-through	Jet Propulsion Laboratory	87A9A	31,690	
43.001	Science	Pass-through	Jet Propulsion Laboratory	A16-0081-001	77,665	
43.001	Science	Pass-through	Jet Propulsion Laboratory	A19-0431-001	5,697	
43.001	Science	Pass-through	Jet Propulsion Laboratory	A19-0872-001	14,577	
43.001	Science	Pass-through	Jet Propulsion Laboratory	A20-0801-001	721	
43.001	Science	Pass-through	Jet Propulsion Laboratory	SUB 1583135 (NONE)	88,000	
43.001	Science	Pass-through	Jet Propulsion Laboratory	SUB 1621635(NONE)	40,622	
43.001	Science	Pass-through	Jet Propulsion Laboratory	SUB 1626317(NONE)	15,939	
43.001	Science	Pass-through	Jet Propulsion Laboratory	SUB 1642277(NONE)	63,479	
43.001	Science	Pass-through	Jet Propulsion Laboratory Total		3,206,809	
43.001	Science	Pass-through	Johns Hopkins University	132224-11	81,202	
43.001	Science	Pass-through	Johns Hopkins University Total		81,202	
43.001	Science	Pass-through	Los Alamos National Security, LLC	424098	39,657	
43.001	Science	Pass-through	Los Alamos National Security, LLC Total		39,657	
43.001	Science	Pass-through	Mclean Hospital	401498	97,066	
43.001	Science	Pass-through	Mclean Hospital Total		97,066	
43.001	Science	Pass-through	Metron Aviation, Inc.	UCB-0001-96C-N132	44,738	
43.001	Science	Pass-through	Metron Aviation, Inc. Total		44,738	
43.001	Science	Pass-through	Montana State University	63550	(94)	
43.001	Science	Pass-through	Montana State University	A19-0697-001	14,488	
43.001	Science	Pass-through	Montana State University	G241-19-W7767	31,409	
43.001	Science	Pass-through	Montana State University Total		45,863	
43.001	Science	Pass-through	Monterey Bay Aquarium Research Institute	A17-0665-004	55,651	
43.001	Science	Pass-through	Monterey Bay Aquarium Research Institute Total		55,651	
43.001	Science	Pass-through	Mosaic Materials	044959	23,027	
43.001	Science	Pass-through	Mosaic Materials Total		23,027	
43.001	Science	Pass-through	Northern Arizona University	010645	841	
43.001	Science	Pass-through	Northern Arizona University	A18-0732-003	15,247	
43.001	Science	Pass-through	Northern Arizona University Total		16,088	
43.001	Science	Pass-through	Northwest Indian College	A17-0857-002	79,389	
43.001	Science	Pass-through	Northwest Indian College Total		79,389	
43.001	Science	Pass-through	Ohio State University	60057395-2	46,249	
43.001	Science	Pass-through	Ohio State University	60066885	9,233	
43.001	Science	Pass-through	Ohio State University	SUB 60050483 (NNX16AF48G)	84,228	
43.001	Science	Pass-through	Ohio State University Total		139,710	
43.001	Science	Pass-through	Oregon State University	NS278A-B-5	7,790	
43.001	Science	Pass-through	Oregon State University Total		7,790	
43.001	Science	Pass-through	Planetary Science Institute	1492-2	21,224	
43.001	Science	Pass-through	Planetary Science Institute	1566-UCLA-3	25,379	
43.001	Science	Pass-through	Planetary Science Institute	1660-UCLA	20,219	
43.001	Science	Pass-through	Planetary Science Institute	A17-0402-001	11,329	
43.001	Science	Pass-through	Planetary Science Institute Total		78,150	
43.001	Science	Pass-through	Predictive Science Inc.	20154780-006	5,518	
43.001	Science	Pass-through	Predictive Science Inc.	20181402	23,909	
43.001	Science	Pass-through	Predictive Science Inc. Total		29,427	
43.001	Science	Pass-through	Princeton University	SUB00000304	12,255	
43.001	Science	Pass-through	Princeton University Total		12,255	
43.001	Science	Pass-through	Q-Peak	SUB SC-30-01032-2765-46 (80NSS	4,932	
43.001	Science	Pass-through	Q-Peak	SUB SC-30-01033-2764-46 (80NSS	14,297	
43.001	Science	Pass-through	Q-Peak Total		19,229	
43.001	Science	Pass-through	Rice University	80NSSC18K0828	117,158	
43.001	Science	Pass-through	Rice University	R53822	44,453	
43.001	Science	Pass-through	Rice University Total		161,611	
43.001	Science	Pass-through	Rilee Systems Technologies LLC	80NSSC18M0118-1	111,027	
43.001	Science	Pass-through	Rilee Systems Technologies LLC Total		111,027	
43.001	Science	Pass-through	Rochester Institute Of Technology	31967-01	18,620	
43.001	Science	Pass-through	Rochester Institute Of Technology	31967-02-CYC1	40,560	
43.001	Science	Pass-through	Rochester Institute Of Technology	32463-02	813	
43.001	Science	Pass-through	Rochester Institute Of Technology	79758	(194)	
43.001	Science	Pass-through	Rochester Institute Of Technology Total		59,799	
43.001	Science	Pass-through	Rutgers, The State University Of New Jersey	SUB 0643 (80NSSC18M0093)	118,040	
43.001	Science	Pass-through	Rutgers, The State University Of New Jersey Total		118,040	
43.001	Science	Pass-through	San Jose State University Research Foundation	008690	38,834	
43.001	Science	Pass-through	San Jose State University Research Foundation Total		38,834	
43.001	Science	Pass-through	Seti Institute	009725	29,428	
43.001	Science	Pass-through	Seti Institute	80NSSC18K0854	4,598	
43.001	Science	Pass-through	Seti Institute	A18-0744-001	14,987	
43.001	Science	Pass-through	Seti Institute	SC 3354	24,486	
43.001	Science	Pass-through	Seti Institute Total		73,498	
43.001	Science	Pass-through	Smithsonian	TM8-19009X	49,480	

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43.001	Science	Pass-through	Smithsonian	AR9-20010X	44,881	
43.001	Science	Pass-through	Smithsonian	G07-18030X	36,726	
43.001	Science	Pass-through	Smithsonian	G08-19065X	32,672	
				Sub G09-20090X (NAS8-03060)	31,350	
43.001	Science	Pass-through	Smithsonian	G07-18125X	30,084	
43.001	Science	Pass-through	Smithsonian	G07-18067X	24,322	
43.001	Science	Pass-through	Smithsonian	AR8-19024X	21,258	
43.001	Science	Pass-through	Smithsonian	G08-19030X	18,951	
43.001	Science	Pass-through	Smithsonian	G09-20075X-cyc1	7,763	
43.001	Science	Pass-through	Smithsonian	AR9-20005B	2,923	
43.001	Science	Pass-through	Smithsonian	G04150	1,863	
43.001	Science	Pass-through	Smithsonian	D08-19102C	714	
43.001	Science	Pass-through	Smithsonian	G09-20045X	322	
43.001	Science	Pass-through	Smithsonian	G07-18133X-1	(39)	
43.001	Science	Pass-through	Smithsonian Total		303,272	
43.001	Science	Pass-through	Southwest Research Institute	699046X-27	16,939	
43.001	Science	Pass-through	Southwest Research Institute	A20-0408-001	7,460	
43.001	Science	Pass-through	Southwest Research Institute	L99039MJM-1	29,631	
43.001	Science	Pass-through	Southwest Research Institute	M99019CAC	21,792	
43.001	Science	Pass-through	Southwest Research Institute	M99056DS	9,846	
43.001	Science	Pass-through	Southwest Research Institute Total		85,668	
43.001	Science	Pass-through	Space Science Institute	79784	2,126	
43.001	Science	Pass-through	Space Science Institute Total		2,126	
43.001	Science	Pass-through	SRI International	PO36751	10,006	
43.001	Science	Pass-through	SRI International Total		10,006	
43.001	Science	Pass-through	Stanford University	62356549-145590	3,321	
43.001	Science	Pass-through	Stanford University	A00-1350-024	127,761	
43.001	Science	Pass-through	Stanford University	A17-0621-004	87,273	
43.001	Science	Pass-through	Stanford University Total		218,356	
43.001	Science	Pass-through	System Science Applications Inc.	20195435	18,417	
43.001	Science	Pass-through	System Science Applications Inc.	SSA-001	20,878	
43.001	Science	Pass-through	System Science Applications Inc. Total		39,295	
				SUB G08-19071X (NAS8-03060)	4,602	
43.001	Science	Pass-through	The Smithsonian Astrophysical Observatory		4,602	
43.001	Science	Pass-through	The Smithsonian Astrophysical Observatory Total		4,602	
43.001	Science	Pass-through	The University Of Alabama (Tuscaloosa)	A00-513-S001	84,492	
43.001	Science	Pass-through	The University Of Alabama (Tuscaloosa) Total		84,492	
43.001	Science	Pass-through	Universities Space Research Association	02274-01	28,190	
43.001	Science	Pass-through	Universities Space Research Association	05-0089 MORRIS-01	2,011	
43.001	Science	Pass-through	Universities Space Research Association	07-0239	31,606	
43.001	Science	Pass-through	Universities Space Research Association	08-0095	63,226	
43.001	Science	Pass-through	Universities Space Research Association	09959-02	(2,036)	
43.001	Science	Pass-through	Universities Space Research Association Total		122,988	
43.001	Science	Pass-through	University Corporation At Monterey Bay	28C69	58,285	
43.001	Science	Pass-through	University Corporation At Monterey Bay Total		58,285	
43.001	Science	Pass-through	University Corporation For Atmospheric Research	SUBAWD000668-1	7,734	
43.001	Science	Pass-through	University Corporation For Atmospheric Research Total		7,734	
43.001	Science	Pass-through	University Of Alaska	UAF 20-0029	4,253	
43.001	Science	Pass-through	University Of Alaska	UAF 20-0056	11,915	
43.001	Science	Pass-through	University Of Alaska	UAF19-0015	37,804	
43.001	Science	Pass-through	University Of Alaska Total		53,972	
43.001	Science	Pass-through	University Of Arizona	010750	2,780	
43.001	Science	Pass-through	University Of Arizona	374492-2	14,226	
43.001	Science	Pass-through	University Of Arizona	A16-0505-005	32,673	
43.001	Science	Pass-through	University Of Arizona Total		49,680	
				SUB FP061308-A/NNX16AJ34G)	52,501	
43.001	Science	Pass-through	University Of Chicago		52,501	
43.001	Science	Pass-through	University Of Chicago Total		52,501	
43.001	Science	Pass-through	University Of Colorado Boulder	1554485-1000818335	19,961	
43.001	Science	Pass-through	University Of Colorado Boulder	61172	753	
43.001	Science	Pass-through	University Of Colorado Boulder Total		20,714	
43.001	Science	Pass-through	University Of Colorado Denver	FY19.977.001	30,591	
43.001	Science	Pass-through	University Of Colorado Denver Total		30,591	
43.001	Science	Pass-through	University Of Delaware	45335-2	21,704	
43.001	Science	Pass-through	University Of Delaware	48247	36,034	
43.001	Science	Pass-through	University Of Delaware	63468	1	
43.001	Science	Pass-through	University Of Delaware Total		172,461	
43.001	Science	Pass-through	University Of Florida	UFDSP00011825	6,442	
43.001	Science	Pass-through	University Of Florida Total		6,442	
43.001	Science	Pass-through	University Of Hawaii System	MA1306	89,611	
43.001	Science	Pass-through	University Of Hawaii System Total		89,611	
43.001	Science	Pass-through	University Of Houston	UH-R-20-0013	13,338	
43.001	Science	Pass-through	University Of Houston Total		13,338	
43.001	Science	Pass-through	University Of Iowa	1001515160	1,411	
43.001	Science	Pass-through	University Of Iowa	1001652308-04	20,794	
43.001	Science	Pass-through	University Of Iowa	1001745125-10	121,581	
43.001	Science	Pass-through	University Of Iowa	S00973-01	11,308	
43.001	Science	Pass-through	University Of Iowa	S01120-01	23,294	
43.001	Science	Pass-through	University Of Iowa Total		178,389	
43.001	Science	Pass-through	University Of Maine System	UMS1200	27,731	
43.001	Science	Pass-through	University Of Maine System Total		27,731	
43.001	Science	Pass-through	University Of Maryland	54296-Z6059207	267,703	
43.001	Science	Pass-through	University Of Maryland	78798-Z6199202	20,269	
43.001	Science	Pass-through	University Of Maryland	A16-0050-004	(156)	
				SUB 79032-Z6208201/80NSSC19K005	51,020	
43.001	Science	Pass-through	University Of Maryland		51,020	
43.001	Science	Pass-through	University Of Maryland Total		338,836	
43.001	Science	Pass-through	University Of Maryland, Baltimore	87355-Z6260201	6,888	
43.001	Science	Pass-through	University Of Maryland, Baltimore Total		6,888	
43.001	Science	Pass-through	University Of Massachusetts Amherst	19-010845 A 00	83,383	
43.001	Science	Pass-through	University Of Massachusetts Amherst	B000768569-1	20,083	
43.001	Science	Pass-through	University Of Massachusetts Amherst Total		103,465	
43.001	Science	Pass-through	University Of Massachusetts Lowell	S52000000027333	72,472	
43.001	Science	Pass-through	University Of Massachusetts Lowell Total		72,472	
43.001	Science	Pass-through	University Of Michigan	3004569434-2	19,001	
43.001	Science	Pass-through	University Of Michigan	3004683323-1	14,556	
43.001	Science	Pass-through	University Of Michigan	SUBK000008080	58,271	
43.001	Science	Pass-through	University Of Michigan Total		91,828	
43.001	Science	Pass-through	University Of Minnesota	A005276801	70,341	
43.001	Science	Pass-through	University Of Minnesota	A005821701	446,911	
				SUB A007249101 (80NSSC19K0858)	10,423	
43.001	Science	Pass-through	University Of Minnesota		527,674	
43.001	Science	Pass-through	University Of Minnesota Total		527,674	
43.001	Science	Pass-through	University Of New Hampshire	06-001	1,003,298	116,992
43.001	Science	Pass-through	University Of New Hampshire Total		1,003,298	116,992
43.001	Science	Pass-through	University Of South Florida	A16-0255-006	40,289	
43.001	Science	Pass-through	University Of South Florida Total		40,289	
43.001	Science	Pass-through	University Of Southern California	118062835	19,992	
43.001	Science	Pass-through	University Of Southern California	80NSSC19K0739	25,000	
43.001	Science	Pass-through	University Of Southern California	87C39	32,495	
43.001	Science	Pass-through	University Of Southern California Total		77,487	
43.001	Science	Pass-through	University Of Texas-Austin	A17-0561-009	9,456	
43.001	Science	Pass-through	University Of Texas-Austin	UTA16-000861	30,524	
43.001	Science	Pass-through	University Of Texas-Austin	UTA19-000493	3,239	
43.001	Science	Pass-through	University Of Texas-Austin Total		43,219	
43.001	Science	Pass-through	University Of Texas-Dallas	1705881-001	25,086	
43.001	Science	Pass-through	University Of Texas-Dallas	1806773	11,767	
43.001	Science	Pass-through	University Of Texas-Dallas Total		36,852	
43.001	Science	Pass-through	University Of Washington	UWSC9241	13,496	

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43.001	Science	Pass-through	University Of Washington	UWSC9264	28,993	
43.001	Science	Pass-through	University Of Washington Total		42,489	
43.001	Science	Pass-through	University Of Wisconsin-Madison	0000000144	39,741	
43.001	Science	Pass-through	University Of Wisconsin-Madison	796K655	120,925	
				SUB 790K101(SOF-06-0191-TREMON	(877)	
43.001	Science	Pass-through	University Of Wisconsin-Madison		159,738	
43.001	Science	Pass-through	Virginia Polytechnic Institute And State University	426699-19910	21,746	
43.001	Science	Pass-through	Virginia Polytechnic Institute And State University Total		21,746	
43.001	Science	Pass-through	West Virginia University	89451	(1,919)	
43.001	Science	Pass-through	West Virginia University Total		(1,919)	
43.001	Science	Pass-through	Wested	S00030264.0	72,160	
43.001	Science	Pass-through	Wested Total		72,160	
43.001	Science	Pass-through	Woods Hole Oceanographic Institution	A101349	68,909	
43.001	Science	Pass-through	Woods Hole Oceanographic Institution	A18-0503-001	10,258	
43.001	Science	Pass-through	Woods Hole Oceanographic Institution Total		79,167	
43.001	Science	Pass-through	Wyle Laboratories	T803652	109,423	
43.001	Science	Pass-through	Wyle Laboratories Total		109,423	
43.001	Science	Pass-through	Xs Research LLC	80NSSC17K0056	39,407	
43.001	Science	Pass-through	Xs Research LLC Total		39,407	
43.001	Science	Pass-through	University Of Colorado System	1546525-10	98,407	
43.001	Science	Pass-through	University Of Colorado System	1554053.3	88,429	
43.001	Science	Pass-through	University Of Colorado System	1556287	39,472	
43.001	Science	Pass-through	University Of Colorado System	1556906	77,677	
43.001	Science	Pass-through	University Of Colorado System	1557517	27,124	
43.001	Science	Pass-through	University Of Colorado System	1557867	15,676	
43.001	Science	Pass-through	University Of Colorado System	A19-0444-001	20,696	
43.001	Science	Pass-through	University Of Colorado System Total		367,471	
43.001	Science	Pass-through	University Of Notre Dame	203769UCLA-BEGHEIN	2,845	
43.001	Science	Pass-through	University Of Notre Dame	203769UCLA-CHI	7,040	
43.001	Science	Pass-through	University Of Notre Dame	A20-0429-001	2,235	
43.001	Science	Pass-through	University Of Notre Dame Total		12,120	
43.001	Science Total				70,683,680	7,488,151
43.002	Aeronautics	Direct	National Aeronautics And Space Administration	Various	819,242	113,273
43.002	Aeronautics	Direct	National Aeronautics And Space Administration Total		819,242	113,273
				HST-GO-14083.002-A-CYC2	13,356	
43.002	Aeronautics	Pass-through	Association Of Universities For Research In Astronomy		13,356	
43.002	Aeronautics	Pass-through	Association Of Universities For Research In Astronomy Total		13,356	
43.002	Aeronautics	Pass-through	California Institute Of Technology	S403570	564,465	
43.002	Aeronautics	Pass-through	California Institute Of Technology Total		564,465	
				SUB RG183-G1	1,334	
43.002	Aeronautics	Pass-through	Georgia Tech Research Corporation	(NX15AUJ22A)	1,334	
43.002	Aeronautics	Pass-through	Georgia Tech Research Corporation Total		1,334	
43.002	Aeronautics	Pass-through	Jet Propulsion Laboratory	1528152	588,612	271,655
43.002	Aeronautics	Pass-through	Jet Propulsion Laboratory Total		588,612	271,655
43.002	Aeronautics	Pass-through	San Jose State University Research Foundation	21-1614-5736-UCD2018	63,339	
43.002	Aeronautics	Pass-through	San Jose State University Research Foundation Total		63,339	
43.002	Aeronautics Total				2,050,349	384,928
43.003	Exploration	Direct	National Aeronautics And Space Administration	Various	3,002,863	591,117
43.003	Exploration	Direct	National Aeronautics And Space Administration Total		3,002,863	591,117
				7000000516	146,736	78,499
43.003	Exploration	Pass-through	Baylor College Of Medicine	A19-4066	229,500	
43.003	Exploration	Pass-through	Baylor College Of Medicine	INN0001	689,157	
43.003	Exploration	Pass-through	Baylor College Of Medicine	NNX16A069A	190,187	
43.003	Exploration	Pass-through	Baylor College Of Medicine	NNX16A069A	56,897	
43.003	Exploration	Pass-through	Baylor College Of Medicine Total		1,312,477	78,499
43.003	Exploration	Pass-through	Jet Propulsion Laboratory	1616712	35,305	
43.003	Exploration	Pass-through	Jet Propulsion Laboratory Total		35,305	
43.003	Exploration	Pass-through	Southwest Research Institute	J99018CP	114,957	
43.003	Exploration	Pass-through	Southwest Research Institute Total		114,957	
43.003	Exploration	Pass-through	University Of Colorado System	1555630.3	67,505	
43.003	Exploration	Pass-through	University Of Colorado System Total		67,505	
43.003	Exploration	Pass-through	Loma Linda University	2180202	23,369	
43.003	Exploration	Pass-through	Loma Linda University Total		23,369	
43.003	Exploration Total				4,556,475	669,616
43.007	Space Operations	Direct	National Aeronautics And Space Administration	Various	623,323	
43.007	Space Operations	Direct	National Aeronautics And Space Administration Total		623,323	
				88889	13,805	
43.007	Space Operations	Pass-through	Association Of Universities For Research In Astronomy		13,805	
43.007	Space Operations	Pass-through	Association Of Universities For Research In Astronomy Total		13,805	
43.007	Space Operations	Pass-through	Wake Forest University	NNX17AE49G	12,000	
43.007	Space Operations	Pass-through	Wake Forest University Total		12,000	
43.007	Space Operations Total				649,127	
43.008	Office Of Stem Engagement (OSTEM)	Direct	National Aeronautics And Space Administration	Various	1,774,836	
43.008	Office Of Stem Engagement (OSTEM)	Direct	National Aeronautics And Space Administration Total		1,774,836	
				UC1231210-CYC5	288,535	
43.008	Office Of Stem Engagement (OSTEM)	Pass-through	Cal State L.A. University Auxiliary Services, Inc. (UAS)		288,535	
43.008	Office Of Stem Engagement (OSTEM)	Pass-through	Cal State L.A. University Auxiliary Services, Inc. (UAS) Total		288,535	
43.008	Office Of Stem Engagement (OSTEM)	Pass-through	CSU, Sonoma State University	8754E	20	
43.008	Office Of Stem Engagement (OSTEM)	Pass-through	CSU, Sonoma State University Total		20	
43.008	Office Of Stem Engagement (OSTEM)	Pass-through	University Of Texas-San Antonio	1000003323	15,305	
43.008	Office Of Stem Engagement (OSTEM)	Pass-through	University Of Texas-San Antonio Total		15,305	
43.008	Office Of Stem Engagement (OSTEM) Total				2,078,696	
43.009	Safety, Security And Mission Services	Direct	National Aeronautics And Space Administration	NNX16AL32G	24,516	
43.009	Safety, Security And Mission Services	Direct	National Aeronautics And Space Administration Total		24,516	
43.009	Safety, Security And Mission Services Total				24,516	
43.012	Space Technology	Direct	National Aeronautics And Space Administration	Various	5,458,414	1,591,479
43.012	Space Technology	Direct	National Aeronautics And Space Administration Total		5,458,414	1,591,479
				62044742-137652	70,975	
43.012	Space Technology	Pass-through	Stanford University		70,975	
43.012	Space Technology Total				5,529,388	1,591,479
43.RD		Direct	National Aeronautics And Space Administration	Various	(80,876)	
43.RD		Direct	National Aeronautics And Space Administration	80NSSC19K0020	68,857	
43.RD		Direct	National Aeronautics And Space Administration	NNX13AM89G	4,388	
				Sub 00009958 (80NSSC18K1487)	104,640	
43.RD		Direct	National Aeronautics And Space Administration	NGN12FA45C	9,019,328	3,273,712
43.RD		Direct	National Aeronautics And Space Administration	NASS-02099	3,714,756	388,970
43.RD		Direct	National Aeronautics And Space Administration	80MSFC19C0041	2,515,489	564,961
43.RD		Direct	National Aeronautics And Space Administration	NNG09EK06C-47	1,864,072	892,251
43.RD		Direct	National Aeronautics And Space Administration	A17-0699-004	727,042	422,964
43.RD		Direct	National Aeronautics And Space Administration	80GSFC17C0044.7	515,176	
43.RD		Direct	National Aeronautics And Space Administration	00010187	266,819	
43.RD		Direct	National Aeronautics And Space Administration	NNM05AA86C:57	261,629	193,983

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43.RD		Direct	National Aeronautics And Space Administration	80GSFC17C0018.P00003	244,515	
43.RD		Direct	National Aeronautics And Space Administration	80MSFC20C0025	138,615	4,222
43.RD		Direct	National Aeronautics And Space Administration	80ARCO20C0007	133,526	
43.RD		Direct	National Aeronautics And Space Administration	A16-0381-S006.A05	104,591	
43.RD		Direct	National Aeronautics And Space Administration	80NSSC19P2239	40,454	
43.RD		Direct	National Aeronautics And Space Administration	80GSFC18C0003	2,598	
43.RD		Direct	National Aeronautics And Space Administration	80GSFC18C0040.P00001	(2,245)	
43.RD		Direct	National Aeronautics And Space Administration Total		19,443,377	5,741,062
43.RD		Pass-through	Association Of Universities For Research In Astronomy	010874	61,726	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	88732	63,403	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-AR-15024.001-A	(382)	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15169.001-A	79,897	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-13725.001-A	64,016	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-13776.001-A	7,089	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-13777.001-A	2,488	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-13837.003-A	221,280	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14096.007-A	15,330	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14118.002	25,851	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14492.001-A	1,809	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14661.001-A	15,421	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14717.001-A	(1,043)	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14734.016-A	73,097	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14754.001-A	4,113	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15170.001-A	7,620	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15275.012-A	27,402	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15320.005	18,155	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-HF2-51395.001-A	112,480	
43.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-HF2-51409.001-A	69,440	
43.RD		Pass-through	SUB HST-GO-15275.008-A (NAS5-2		124	
43.RD		Pass-through	Association Of Universities For Research In Astronomy Total		869,516	
43.RD		Pass-through	ATA Engineering, Inc.	69060-100-CYC1	28,305	
43.RD		Pass-through	ATA Engineering, Inc. Total		28,305	
43.RD		Pass-through	California Institute Of Technology	S442555	52,000	
43.RD		Pass-through	California Institute Of Technology Total		52,000	
43.RD		Pass-through	Charles Stark Draper Laboratory, Inc.	SC001-0000001246	4,289	
43.RD		Pass-through	Charles Stark Draper Laboratory, Inc. Total		4,289	
43.RD		Pass-through	Jet Propulsion Laboratory	011394	17,708	
43.RD		Pass-through	Jet Propulsion Laboratory	1521597	25,042	
43.RD		Pass-through	Jet Propulsion Laboratory	1562208	349,531	
43.RD		Pass-through	Jet Propulsion Laboratory	1587062	26,328	
43.RD		Pass-through	Jet Propulsion Laboratory	1616446	(159)	
43.RD		Pass-through	Jet Propulsion Laboratory	1629627	60,576	
43.RD		Pass-through	Jet Propulsion Laboratory	1641764	36,971	
43.RD		Pass-through	Jet Propulsion Laboratory	1641977	4,666	
43.RD		Pass-through	Jet Propulsion Laboratory	1647775	166	
43.RD		Pass-through	Jet Propulsion Laboratory Total		520,829	
43.RD		Pass-through	Johns Hopkins University	975268	2,778,999	881,675
43.RD		Pass-through	Johns Hopkins University Total		2,778,999	881,675
43.RD		Pass-through	Malin Space Science Systems, Inc.	12-0256	79,368	
43.RD		Pass-through	Malin Space Science Systems, Inc. Total		79,368	
43.RD		Pass-through	Nexolve Holding Company, LLC	A20-3252	11,618	
43.RD		Pass-through	Nexolve Holding Company, LLC Total		11,618	
43.RD		Pass-through	Southwest Research Institute	D99005L	26,233	
43.RD		Pass-through	Southwest Research Institute Total		26,233	
43.RD		Pass-through	Spectral Energies, LLC	SB1916-001-1	76,025	
43.RD		Pass-through	Spectral Energies, LLC Total		76,025	
43.RD		Pass-through	Universities Space Research Association	08-0205	8,163	
43.RD		Pass-through	Universities Space Research Association	08-0255	8,048	
43.RD		Pass-through	Universities Space Research Association	NNA17BF53C	784	
43.RD		Pass-through	Universities Space Research Association	SOF-06-0215-RICHTER	51,876	
43.RD		Pass-through	Universities Space Research Association	SUB 08-0086		
43.RD		Pass-through	Universities Space Research Association	(NNA17BF53C)	11,096	
43.RD		Pass-through	Universities Space Research Association Total		79,967	
43.RD		Pass-through	University Of Colorado Boulder	1000013136	2,296,897	
43.RD		Pass-through	University Of Colorado Boulder Total		2,296,897	
43.RD	Total				26,267,423	6,622,737
45.024	Promotion Of The Arts Grants To Organizations And Individuals	Direct	The Institute Of Museum And Library Services	Various	144,482	
45.024	Promotion Of The Arts Grants To Organizations And Individuals	Direct	The Institute Of Museum And Library Services Total		144,482	
45.024	Promotion Of The Arts Grants To Organizations And Individuals Total				144,482	
45.129	Promotion Of The Humanities-Federal/State Partnership	Pass-through	California Humanities	A18-0591-001	5,110	
45.129	Promotion Of The Humanities-Federal/State Partnership	Pass-through	California Humanities	SUB HFAP18-33(NONE)	5,385	
45.129	Promotion Of The Humanities-Federal/State Partnership	Pass-through	California Humanities Total		10,496	
45.129	Promotion Of The Humanities-Federal/State Partnership Total				10,496	
45.149	Promotion Of The Humanities Division Of Preservation And Access	Direct	The Institute Of Museum And Library Services	Various	308,718	
45.149	Promotion Of The Humanities Division Of Preservation And Access	Direct	The Institute Of Museum And Library Services Total		308,718	
45.149	Promotion Of The Humanities Division Of Preservation And Access Total				308,718	
45.160	Promotion Of The Humanities Fellowships And Stipends	Direct	The Institute Of Museum And Library Services	Various	57,951	
45.160	Promotion Of The Humanities Fellowships And Stipends	Direct	The Institute Of Museum And Library Services Total		57,951	
45.160	Promotion Of The Humanities Fellowships And Stipends Total				57,951	
45.161	Promotion Of The Humanities Research	Direct	The Institute Of Museum And Library Services	Various	45,967	10,548
45.161	Promotion Of The Humanities Research	Direct	The Institute Of Museum And Library Services Total		45,967	10,548
45.161	Promotion Of The Humanities Research Total				45,967	10,548
45.163	Promotion Of The Humanities Professional Development	Direct	The Institute Of Museum And Library Services	Various	201,841	
45.163	Promotion Of The Humanities Professional Development	Direct	The Institute Of Museum And Library Services Total		201,841	
45.163	Promotion Of The Humanities Professional Development Total				201,841	
45.164	Promotion Of The Humanities Public Programs	Direct	The Institute Of Museum And Library Services	Various	1,117	
45.164	Promotion Of The Humanities Public Programs	Direct	The Institute Of Museum And Library Services Total		1,117	
45.164	Promotion Of The Humanities Public Programs Total				1,117	
45.169	Promotion Of The Humanities Office Of Digital Humanities	Direct	The Institute Of Museum And Library Services	Various	132,877	
45.169	Promotion Of The Humanities Office Of Digital Humanities	Direct	The Institute Of Museum And Library Services Total		132,877	
45.169	Promotion Of The Humanities Office Of Digital Humanities	Pass-through	Carnegie Mellon University	1080400-395143	14,145	
45.169	Promotion Of The Humanities Office Of Digital Humanities	Pass-through	Carnegie Mellon University Total		14,145	
45.169	Promotion Of The Humanities Office Of Digital Humanities Total				147,023	
45.301	Museums For America	Direct	The Institute Of Museum And Library Services	Various	244,371	
45.301	Museums For America	Direct	The Institute Of Museum And Library Services Total		244,371	
45.301	Museums For America Total				244,371	
45.312	National Leadership Grants	Direct	The Institute Of Museum And Library Services	Various	530,409	89,454

University of California
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Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
45.312	National Leadership Grants	Direct	The Institute Of Museum And Library Services Total		530,409	89,454
45.312	National Leadership Grants	Pass-through	University Of Notre Dame	87CAC	16,616	
45.312	National Leadership Grants	Pass-through	University Of Notre Dame	89BG0	8,038	
45.312	National Leadership Grants	Pass-through	University Of Notre Dame Total		24,654	
45.312	National Leadership Grants Total				555,063	89,454
45.313	Laura Bush 21st Century Librarian Program	Direct	The Institute Of Museum And Library Services	Various	87,188	
45.313	Laura Bush 21st Century Librarian Program	Direct	The Institute Of Museum And Library Services Total		87,188	
45.313	Laura Bush 21st Century Librarian Program Total				87,188	
47.041	Engineering	Direct	National Science Foundation (NSF)	Various	58,904,475	4,731,411
47.041	Engineering	Direct	National Science Foundation (NSF) Total		58,904,475	4,731,411
47.041	Engineering	Pass-through	Amberstone Biosciences, Inc.	AB-1913404-CYC1	54,676	
47.041	Engineering	Pass-through	Amberstone Biosciences, Inc. Total		54,676	
47.041	Engineering	Pass-through	Arizona State University/Tempe	1449501	260,963	19,878
47.041	Engineering	Pass-through	Arizona State University/Tempe	17-026-04	29,908	
47.041	Engineering	Pass-through	Arizona State University/Tempe	75C72	679,028	
47.041	Engineering	Pass-through	Arizona State University/Tempe	ASUB00000189	13,177	
47.041	Engineering	Pass-through	Arizona State University/Tempe Total		983,076	19,878
47.041	Engineering	Pass-through	Boston University	4500002865	50,557	
47.041	Engineering	Pass-through	Boston University Total		50,557	
47.041	Engineering	Pass-through	California State University Fullerton/Csu Fullerton Auxiliary Services	S-7223-UCI	6,933	
47.041	Engineering	Pass-through	California State University Fullerton/Csu Fullerton Auxiliary Services Total		6,933	
47.041	Engineering	Pass-through	California State University, San Francisco State University	S19-0001	58,312	
47.041	Engineering	Pass-through	California State University, San Francisco State University Total		58,312	
47.041	Engineering	Pass-through	Calyx, Inc.	042894	43,737	
47.041	Engineering	Pass-through	Calyx, Inc. Total		43,737	
47.041	Engineering	Pass-through	Cardiac Motion, LLC	201403401	123,077	
47.041	Engineering	Pass-through	Cardiac Motion, LLC Total		123,077	
47.041	Engineering	Pass-through	City University Of New York	40E48-A	65,588	
47.041	Engineering	Pass-through	City University Of New York Total		65,588	
47.041	Engineering	Pass-through	Colorado State University	007837	12,947	
47.041	Engineering	Pass-through	Colorado State University	G-00973-2	95,923	
47.041	Engineering	Pass-through	Colorado State University Total		108,870	
47.041	Engineering	Pass-through	Cornell University	70369-10329.4	164,168	
47.041	Engineering	Pass-through	Cornell University Total		164,168	
47.041	Engineering	Pass-through	Georgia Institute Of Technology	AWD-100771-G1	72,592	
47.041	Engineering	Pass-through	Georgia Institute Of Technology Total		72,592	
47.041	Engineering	Pass-through	Harvey Mudd College	1745970	37,764	
47.041	Engineering	Pass-through	Harvey Mudd College Total		37,764	
47.041	Engineering	Pass-through	Inston, Inc.	59242	(4,583)	
47.041	Engineering	Pass-through	Inston, Inc Total		(4,583)	
47.041	Engineering	Pass-through	Johns Hopkins University	2002761143	77,465	
47.041	Engineering	Pass-through	Johns Hopkins University Total		77,465	
47.041	Engineering	Pass-through	Kent State University	402091-UCLA	11,964	
47.041	Engineering	Pass-through	Kent State University Total		11,964	
47.041	Engineering	Pass-through	Knox Medical Diagnostics Inc.	A130875	44,966	
47.041	Engineering	Pass-through	Knox Medical Diagnostics Inc Total		44,966	
47.041	Engineering	Pass-through	Metal Fatigue Solutions, Inc.	79418	(33)	
47.041	Engineering	Pass-through	Metal Fatigue Solutions, Inc. Total		(33)	
47.041	Engineering	Pass-through	Nanoelectronics Research Corporation	SUB 2016-NE-2701 (EECS-1640173)	90,547	45,711
47.041	Engineering	Pass-through	Nanoelectronics Research Corporation Total		90,547	45,711
47.041	Engineering	Pass-through	Niche Biomedical LLC	NSF 1938625	23,624	
47.041	Engineering	Pass-through	Niche Biomedical LLC Total		23,624	
47.041	Engineering	Pass-through	Northwestern University	SP0032077-PROJ0008536	14,600	
47.041	Engineering	Pass-through	Northwestern University Total		14,600	
47.041	Engineering	Pass-through	Oregon State University	S1826A-A	48,892	
47.041	Engineering	Pass-through	Oregon State University Total		48,892	
47.041	Engineering	Pass-through	Phase Diagnostics, Inc.	20170815	68,517	
47.041	Engineering	Pass-through	Phase Diagnostics, Inc. Total		68,517	
47.041	Engineering	Pass-through	Purdue University	80117 SUB 10000719-081 (EEC-1227110)	632,235	
47.041	Engineering	Pass-through	Purdue University Total		627,101	
47.041	Engineering	Pass-through	Rutgers, The State University Of New Jersey	011261	39,500	
47.041	Engineering	Pass-through	Rutgers, The State University Of New Jersey Total		39,500	
47.041	Engineering	Pass-through	South 8 Technologies, Inc.	SUIB 20183017(1831087)	54,992	
47.041	Engineering	Pass-through	South 8 Technologies, Inc. Total		54,992	
47.041	Engineering	Pass-through	Stanford University	28139880-50542-C	789,217	
47.041	Engineering	Pass-through	Stanford University	61613955-124096	71,194	
47.041	Engineering	Pass-through	Stanford University	61621756-121587	20,160	
47.041	Engineering	Pass-through	Stanford University	SUB 61174008-120872 (CBET-1508)	1,957	
47.041	Engineering	Pass-through	Stanford University Total		882,528	
47.041	Engineering	Pass-through	Texas A&M University - College Station	M1801370.1	760,823	
47.041	Engineering	Pass-through	Texas A&M University - College Station	SUB 28-M1803463 (EEC-1648016)	(1,809)	
47.041	Engineering	Pass-through	Texas A&M University - College Station Total		759,014	
47.041	Engineering	Pass-through	University Of Arizona	878E6	194,311	
47.041	Engineering	Pass-through	University Of Arizona	SUB 454513(EFMA-1640860)	120,533	
47.041	Engineering	Pass-through	University Of Arizona	SUB Y502629 (EEC-0812072)	(6,611)	
47.041	Engineering	Pass-through	University Of Arizona	Y503161	36,923	
47.041	Engineering	Pass-through	University Of Arizona Total		345,156	
47.041	Engineering	Pass-through	University Of Idaho	FEK232-SB-001.02	35,094	
47.041	Engineering	Pass-through	University Of Idaho Total		35,094	
47.041	Engineering	Pass-through	University Of Illinois At Chicago	17350	15,179	
47.041	Engineering	Pass-through	University Of Illinois At Chicago Total		15,179	
47.041	Engineering	Pass-through	University Of Illinois At Urbana-Champaign	087442-16581	80,710	
47.041	Engineering	Pass-through	University Of Illinois At Urbana-Champaign Total		80,710	
47.041	Engineering	Pass-through	University Of Pennsylvania	570440	43,509	
47.041	Engineering	Pass-through	University Of Pennsylvania	SUB 567084 (EFMA-1542879)	8,635	
47.041	Engineering	Pass-through	University Of Pennsylvania Total		52,144	
47.041	Engineering	Pass-through	University Of Pittsburgh	CNVA00060421(012196-1)	155,450	
47.041	Engineering	Pass-through	University Of Pittsburgh Total		155,450	
47.041	Engineering	Pass-through	University Of South Carolina	1464630	14,357	
47.041	Engineering	Pass-through	University Of South Carolina Total		14,357	
47.041	Engineering	Pass-through	University Of Southern California	96586107.1	175,710	
47.041	Engineering	Pass-through	University Of Southern California Total		175,710	
47.041	Engineering	Pass-through	University Of Texas-Austin	SUB UTA15-000855 (1520817)	29,940	
47.041	Engineering	Pass-through	University Of Texas-Austin	UTA12-000944	330,108	
47.041	Engineering	Pass-through	University Of Texas-Austin	UTA15-000860.3	28,294	
47.041	Engineering	Pass-through	University Of Texas-Austin	UTA18-000266-CYC1	5,106	
47.041	Engineering	Pass-through	University Of Texas-Austin Total		393,448	
47.041	Engineering	Pass-through	University Of Texas-El Paso	226100998G	25,251	
47.041	Engineering	Pass-through	University Of Texas-El Paso Total		25,251	
47.041	Engineering	Pass-through	Vault Nano Inc.	77642	(8,872)	
47.041	Engineering	Pass-through	Vault Nano Inc. Total		(8,872)	
47.041	Engineering	Pass-through	Virginia Polytechnic Institute And State University	480090-19B03	5,456	
47.041	Engineering	Pass-through	Virginia Polytechnic Institute And State University Total		5,456	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
47.041	Engineering	Pass-through	University Of Notre Dame	203435UCB	33,391	
47.041	Engineering	Pass-through	University Of Notre Dame Total		33,391	
47.041	Engineering Total				64,735,392	4,797,000
47.041	COVID-19 - Engineering	Direct	National Science Foundation (NSF)	Various	12,966	
47.041	COVID-19 - Engineering	Direct	National Science Foundation (NSF) Total		12,966	
47.041	COVID-19 - Engineering Total				12,966	
47.046	Science Education Problem Assessment And Experimental Projects	Direct	National Science Foundation (NSF)	Various	(39)	
47.046	Science Education Problem Assessment And Experimental Projects	Direct	National Science Foundation (NSF) Total		(39)	
47.046	Science Education Problem Assessment And Experimental Projects Total				(39)	
47.048	Science Education Development And Research And Resources Improvement	Direct	National Science Foundation (NSF)	Various	111,445	
47.048	Science Education Development And Research And Resources Improvement	Direct	National Science Foundation (NSF) Total		111,445	
47.048	Science Education Development And Research And Resources Improvement Total				111,445	
47.049	Mathematical And Physical Sciences	Direct	National Science Foundation (NSF)	Various	100,420,630	4,706,207
47.049	Mathematical And Physical Sciences	Direct	National Science Foundation (NSF) Total		100,420,630	4,706,207
47.049	Mathematical And Physical Sciences	Pass-through	Associated Universities, Inc	358709	782	
47.049	Mathematical And Physical Sciences	Pass-through	Associated Universities, Inc	360180	3,957	
47.049	Mathematical And Physical Sciences	Pass-through	Associated Universities, Inc	SQSPA6-003-CYC1	30,653	
47.049	Mathematical And Physical Sciences	Pass-through	Associated Universities, Inc	SQSPA6-006	17,500	
47.049	Mathematical And Physical Sciences	Pass-through	Associated Universities, Inc	SUB VLA/17A-073 (AST-1519126)	17,465	
47.049	Mathematical And Physical Sciences	Pass-through	Associated Universities, Inc Total		70,357	
47.049	Mathematical And Physical Sciences	Pass-through	Association Of Universities For Research In Astronomy	A17-0909-003	84,216	
47.049	Mathematical And Physical Sciences	Pass-through	Association Of Universities For Research In Astronomy	N56981C	255,143	
47.049	Mathematical And Physical Sciences	Pass-through	Association Of Universities For Research In Astronomy Total		339,360	
47.049	Mathematical And Physical Sciences	Pass-through	Astronomical Society Of The Pacific, The	63302	19	
47.049	Mathematical And Physical Sciences	Pass-through	Astronomical Society Of The Pacific, The Total		19	
47.049	Mathematical And Physical Sciences	Pass-through	Barnard College	A19-0334-001	26,438	
47.049	Mathematical And Physical Sciences	Pass-through	Barnard College Total		26,438	
47.049	Mathematical And Physical Sciences	Pass-through	Baylor University	1800411	27,925	
47.049	Mathematical And Physical Sciences	Pass-through	Baylor University	SUB 30240114-1 (1740203)	13,946	
47.049	Mathematical And Physical Sciences	Pass-through	Baylor University Total		41,871	
47.049	Mathematical And Physical Sciences	Pass-through	California Association For Research In Astronomy	13401-6	36,891	
47.049	Mathematical And Physical Sciences	Pass-through	California Association For Research In Astronomy	14868	19,982	
47.049	Mathematical And Physical Sciences	Pass-through	California Association For Research In Astronomy	A18-0926-002	379,728	
47.049	Mathematical And Physical Sciences	Pass-through	California Association For Research In Astronomy	A19-0370-001	12,937	
47.049	Mathematical And Physical Sciences	Pass-through	California Association For Research In Astronomy Total		449,537	
47.049	Mathematical And Physical Sciences	Pass-through	California Institute Of Technology	59087	(6)	
47.049	Mathematical And Physical Sciences	Pass-through	California Institute Of Technology	68D1094593	2,093	
47.049	Mathematical And Physical Sciences	Pass-through	California Institute Of Technology	A17-0921-001	3,172	
47.049	Mathematical And Physical Sciences	Pass-through	California Institute Of Technology Total		8,259	
47.049	Mathematical And Physical Sciences	Pass-through	California State University, Northridge	A20-0009-S001	111,065	
47.049	Mathematical And Physical Sciences	Pass-through	California State University, Northridge Total		111,065	
47.049	Mathematical And Physical Sciences	Pass-through	City University Of New York	CM00001662-00-CYC1	61,702	
47.049	Mathematical And Physical Sciences	Pass-through	City University Of New York Total		61,702	
47.049	Mathematical And Physical Sciences	Pass-through	College Of William And Mary	SUB 714488-71268(DUE-1446258)	42,033	
47.049	Mathematical And Physical Sciences	Pass-through	College Of William And Mary Total		42,033	
47.049	Mathematical And Physical Sciences	Pass-through	Columbia University	31(GG016228)	40,097	
47.049	Mathematical And Physical Sciences	Pass-through	Columbia University	32(GG016228)	14,249	
47.049	Mathematical And Physical Sciences	Pass-through	Columbia University Total		54,346	
47.049	Mathematical And Physical Sciences	Pass-through	Cornell University	009069	1,871	
47.049	Mathematical And Physical Sciences	Pass-through	Cornell University	1624356	10,351	
47.049	Mathematical And Physical Sciences	Pass-through	Cornell University	75548-10820-3	443,930	
47.049	Mathematical And Physical Sciences	Pass-through	Cornell University	78877-10862-1	127,458	
47.049	Mathematical And Physical Sciences	Pass-through	Cornell University	79433-20660	9,170	
47.049	Mathematical And Physical Sciences	Pass-through	Cornell University Total		592,782	
47.049	Mathematical And Physical Sciences	Pass-through	Duke University	333-2455	358,874	
47.049	Mathematical And Physical Sciences	Pass-through	Duke University	333-2553	11,089	
47.049	Mathematical And Physical Sciences	Pass-through	Duke University Total		369,963	
47.049	Mathematical And Physical Sciences	Pass-through	Emory University	A025454	146,065	
47.049	Mathematical And Physical Sciences	Pass-through	Emory University	A025589-1	144,438	
47.049	Mathematical And Physical Sciences	Pass-through	Emory University Total		290,503	
47.049	Mathematical And Physical Sciences	Pass-through	Georgia Institute Of Technology	AWD-000181-G2	3,952	
47.049	Mathematical And Physical Sciences	Pass-through	Georgia Institute Of Technology Total		3,952	
47.049	Mathematical And Physical Sciences	Pass-through	Indiana University	8554-UCLA	11,407	
47.049	Mathematical And Physical Sciences	Pass-through	Indiana University Total		11,407	
47.049	Mathematical And Physical Sciences	Pass-through	Jackson State University	633215-UCSB	43,789	
47.049	Mathematical And Physical Sciences	Pass-through	Jackson State University Total		43,789	
47.049	Mathematical And Physical Sciences	Pass-through	Massachusetts Institute Of Technology	5710003959	29,909	
47.049	Mathematical And Physical Sciences	Pass-through	Massachusetts Institute Of Technology	SUB 5710004001-3 (PHY-1541160)	4,508	
47.049	Mathematical And Physical Sciences	Pass-through	Massachusetts Institute Of Technology	Massachusetts Institute Of Technology	65,096	
47.049	Mathematical And Physical Sciences	Pass-through	Massachusetts Institute Of Technology Total		90,497	
47.049	Mathematical And Physical Sciences	Pass-through	Nevada System Of Higher Education	UNR 18-25	22,904	
47.049	Mathematical And Physical Sciences	Pass-through	Nevada System Of Higher Education Total		22,904	
47.049	Mathematical And Physical Sciences	Pass-through	Northwestern University	8798F	1	
47.049	Mathematical And Physical Sciences	Pass-through	Northwestern University Total		1	
47.049	Mathematical And Physical Sciences	Pass-through	Ohio State University	60046614-6	26,933	
47.049	Mathematical And Physical Sciences	Pass-through	Ohio State University Total		26,933	
47.049	Mathematical And Physical Sciences	Pass-through	Oregon State University	89547	2,632	
47.049	Mathematical And Physical Sciences	Pass-through	Oregon State University Total		2,632	
47.049	Mathematical And Physical Sciences	Pass-through	Pennsylvania State University	88877	719	
47.049	Mathematical And Physical Sciences	Pass-through	Pennsylvania State University Total		719	
47.049	Mathematical And Physical Sciences	Pass-through	Princeton University	SUB SUB0000182(PHY-1624356)	1,429,888	
47.049	Mathematical And Physical Sciences	Pass-through	Princeton University Total		1,429,888	
47.049	Mathematical And Physical Sciences	Pass-through	Renaissance Computing Institute	SUB 5115825 (CNS-1935966)	12,484	
47.049	Mathematical And Physical Sciences	Pass-through	Renaissance Computing Institute Total		12,484	
47.049	Mathematical And Physical Sciences	Pass-through	Smithsonian	Various	46,446	
47.049	Mathematical And Physical Sciences	Pass-through	Smithsonian Total		46,446	
47.049	Mathematical And Physical Sciences	Pass-through	Stanford University	61941275-134448	68,059	
47.049	Mathematical And Physical Sciences	Pass-through	Stanford University Total		68,059	
47.049	Mathematical And Physical Sciences	Pass-through	Texas A&M University - College Station	02S170204	15,690	
47.049	Mathematical And Physical Sciences	Pass-through	Texas A&M University - College Station	1547436	104,586	
47.049	Mathematical And Physical Sciences	Pass-through	Texas A&M University - College Station Total		120,276	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Arizona	466912	37,122	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Arizona Total		37,122	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Colorado Boulder	1554565	877,174	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Colorado Boulder	1554568	152,735	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Colorado Boulder Total		1,029,909	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Florida	SUB00001607	14,790	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Florida	UFDSP00011774	7,023	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Florida Total		21,812	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Illinois At Urbana-Champaign	011568	10,956	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Illinois At Urbana-Champaign Total		10,956	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Iowa	011058	37,249	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Iowa Total		37,249	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Michigan	3003700330-CYC5	7,255	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Michigan	89072	10,992	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Michigan Total		18,247	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
47.049	Mathematical And Physical Sciences	Pass-through	University Of Minnesota	30919	23,011	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Minnesota	A004088504	22,343	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Minnesota	A007231601	235,937	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Minnesota	A008060103	148,911	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Minnesota Total		430,202	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Nebraska-Lincoln	UNL-209765-CYC2	2,510	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Nebraska-Lincoln Total		2,510	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Southern California	78356329.2	9,055	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Southern California Total		9,056	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Texas-Ei Paso	226100993A	70,730	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Texas-Ei Paso	59874	239	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Texas-Ei Paso Total		70,969	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Washington	UWSC11327-CYC1	56,622	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Washington	UWSC111424	86,638	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Washington	UWSC3674.3	125,980	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Washington Total		269,240	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Wisconsin-Madison	0000000294	37,170	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Wisconsin-Madison	0000000443	19,943	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Wisconsin-Madison	010364	151,806	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Wisconsin-Madison	728K305	(6,569)	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Wisconsin-Madison	776K193	94,234	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Wisconsin-Madison	838K073	83,329	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Wisconsin-Madison	88314	172,612	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Wisconsin-Madison Total		552,524	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Colorado System	1554564.5	1,306,285	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Colorado System	1556927	97,451	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Colorado System Total		1,403,735	
47.049	Mathematical And Physical Sciences	Pass-through	Stony Brook University	76749/1136652/2	204,809	
47.049	Mathematical And Physical Sciences	Pass-through	Stony Brook University Total		204,809	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Notre Dame	203643UCB	6,520	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Notre Dame	SUB 203615UCSD (1918692)	33,060	
47.049	Mathematical And Physical Sciences	Pass-through	University Of Notre Dame Total		39,580	
47.049	Mathematical And Physical Sciences Total				108,893,772	4,706,207
47.049	COVID-19 - Mathematical And Physical Sciences	Direct	National Science Foundation (NSF)	Various	10,775	
47.049	COVID-19 - Mathematical And Physical Sciences	Direct	National Science Foundation (NSF) Total		10,775	
47.049	COVID-19 - Mathematical And Physical Sciences Total				10,775	
47.050	Geosciences	Direct	National Science Foundation (NSF)	Various	67,218,189	3,224,658
47.050	Geosciences	Direct	National Science Foundation (NSF) Total		67,218,189	3,224,658
47.050	Geosciences	Pass-through	Arizona State University/Tempe	16-001	506	
47.050	Geosciences	Pass-through	Arizona State University/Tempe	17-170	20,186	
47.050	Geosciences	Pass-through	Arizona State University/Tempe Total		20,692	
47.050	Geosciences	Pass-through	Colorado State University	G-96783-1	(195)	
47.050	Geosciences	Pass-through	Colorado State University	G-96783-2	2,715	
47.050	Geosciences	Pass-through	Colorado State University Total		2,520	
47.050	Geosciences	Pass-through	Columbia University	1(GG013237) PO G12813	102,005	
47.050	Geosciences	Pass-through	Columbia University	2(GG009393-01)	13,274	
47.050	Geosciences	Pass-through	Columbia University	3 (GG008992)	136,001	
47.050	Geosciences	Pass-through	Columbia University	3(GG008855)	25,608	
47.050	Geosciences	Pass-through	Columbia University	3(GG015488)	32,502	
47.050	Geosciences	Pass-through	Columbia University	63484	2,235	
47.050	Geosciences	Pass-through	Columbia University	63580	5,735	
47.050	Geosciences	Pass-through	Columbia University	87305	14,619	
47.050	Geosciences	Pass-through	Columbia University	87C48	20,299	
47.050	Geosciences	Pass-through	Columbia University	A15-0275-003	10,911	
47.050	Geosciences	Pass-through	Columbia University	A17-0484-006	92,100	
47.050	Geosciences	Pass-through	Columbia University	A20-0020-001	83,055	
47.050	Geosciences	Pass-through	Columbia University	A20-0337-001	15,473	
47.050	Geosciences	Pass-through	Columbia University Total		553,817	
47.050	Geosciences	Pass-through	Consortium For Ocean Leadership	63305	79	
47.050	Geosciences	Pass-through	Consortium For Ocean Leadership Total		79	
47.050	Geosciences	Pass-through	Cornell University	71423-11142	924	
47.050	Geosciences	Pass-through	Cornell University	78328-10638	44,115	
47.050	Geosciences	Pass-through	Cornell University	A17-0542-001	37,150	
47.050	Geosciences	Pass-through	Cornell University Total		82,189	
47.050	Geosciences	Pass-through	Duke University	SUB 333-2419 (1721611)	191,781	
47.050	Geosciences	Pass-through	Duke University Total		191,781	
47.050	Geosciences	Pass-through	Hampton University	A19-0659-001	38,434	
47.050	Geosciences	Pass-through	Hampton University Total		38,434	
47.050	Geosciences	Pass-through	Incorporated Research Institutions For Seismology	08-UCSD-SAGE	834,280	
47.050	Geosciences	Pass-through	Incorporated Research Institutions For Seismology	09-UCSD (MD)-SAGE	515,006	
47.050	Geosciences	Pass-through	Incorporated Research Institutions For Seismology	IRIS 56-OMO	13,991	
47.050	Geosciences	Pass-through	Incorporated Research Institutions For Seismology	SU-19-1001-08-UCSD, TASK ORDER	3,096,990	
47.050	Geosciences	Pass-through	Incorporated Research Institutions For Seismology Total		4,460,267	
47.050	Geosciences	Pass-through	Massachusetts Institute Of Technology	5710003955	82,906	
47.050	Geosciences	Pass-through	Massachusetts Institute Of Technology	5710004225-1	47,491	
47.050	Geosciences	Pass-through	Massachusetts Institute Of Technology Total		130,398	
47.050	Geosciences	Pass-through	New York University	G0691-04-CYC1	49,367	
47.050	Geosciences	Pass-through	New York University Total		49,367	
47.050	Geosciences	Pass-through	Northern Arizona University	63506	2,693	
47.050	Geosciences	Pass-through	Northern Arizona University Total		2,693	
47.050	Geosciences	Pass-through	Oregon State University	87427	52,277	
47.050	Geosciences	Pass-through	Oregon State University Total		52,277	
47.050	Geosciences	Pass-through	Pennsylvania State University	85954	23,794	
47.050	Geosciences	Pass-through	Pennsylvania State University Total		23,794	
47.050	Geosciences	Pass-through	Portland State University	100077.2	44,937	
47.050	Geosciences	Pass-through	Portland State University Total		44,937	
47.050	Geosciences	Pass-through	Princeton University	SUB0000008	778,106	
47.050	Geosciences	Pass-through	Princeton University Total		778,106	
47.050	Geosciences	Pass-through	Rutgers, The State University Of New Jersey	0696	43,622	
47.050	Geosciences	Pass-through	Rutgers, The State University Of New Jersey Total		43,622	
47.050	Geosciences	Pass-through	Southern California Earthquake Center	91269673	44,021	
47.050	Geosciences	Pass-through	Southern California Earthquake Center Total		44,021	
47.050	Geosciences	Pass-through	Stanford University	61573650-125839	35,079	
47.050	Geosciences	Pass-through	Stanford University Total		35,079	
47.050	Geosciences	Pass-through	Tufts University	NS3819	(22,036)	
47.050	Geosciences	Pass-through	Tufts University Total		(22,036)	
47.050	Geosciences	Pass-through	University Of Alaska	A18-0011-002	1,896	
47.050	Geosciences	Pass-through	University Of Alaska Total		1,896	
47.050	Geosciences	Pass-through	University Of Chicago	1852617	106,701	
47.050	Geosciences	Pass-through	University Of Chicago	55885	(6,627)	
47.050	Geosciences	Pass-through	University Of Chicago	AWD0100221 (SUB00000066)	386,674	
47.050	Geosciences	Pass-through	University Of Chicago	AWD100221 (SUB00000070)	20,568	
47.050	Geosciences	Pass-through	University Of Chicago	FP052668	38	
47.050	Geosciences	Pass-through	University Of Chicago Total		507,353	
47.050	Geosciences	Pass-through	University Of Hawaii - West Oahu	MA 1389	34,863	
47.050	Geosciences	Pass-through	University Of Hawaii - West Oahu Total		34,863	
47.050	Geosciences	Pass-through	University Of Hawaii At Manoa	MA 1392	(5,054)	
47.050	Geosciences	Pass-through	University Of Hawaii At Manoa Total		(5,054)	
47.050	Geosciences	Pass-through	University Of Miami	S15-49	172,075	
47.050	Geosciences	Pass-through	University Of Miami	S15-50	170,830	
47.050	Geosciences	Pass-through	University Of Miami Total		342,905	

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47.050	Geosciences	Pass-through	University Of New Hampshire	14-063	116,895	
47.050	Geosciences	Pass-through	University Of New Hampshire	17-014	42,174	
47.050	Geosciences	Pass-through	University Of New Hampshire	89138	9,792	
47.050	Geosciences	Pass-through	University Of New Hampshire Total		168,861	
47.050	Geosciences	Pass-through	University Of New Mexico	876G2	2,251	
47.050	Geosciences	Pass-through	University Of New Mexico	A17-0628-003	308,938	
47.050	Geosciences	Pass-through	University Of New Mexico Total		311,189	
47.050	Geosciences	Pass-through	University Of Rhode Island	A18-0921-001	5,509	
47.050	Geosciences	Pass-through	University Of Rhode Island Total		5,509	
47.050	Geosciences	Pass-through	University Of Southern California	010008	24,151	
47.050	Geosciences	Pass-through	University Of Southern California	010060	1,884	
47.050	Geosciences	Pass-through	University Of Southern California	011246	27,013	
47.050	Geosciences	Pass-through	University Of Southern California	100670135-1	56,903	
47.050	Geosciences	Pass-through	University Of Southern California	118062755	8,375	
47.050	Geosciences	Pass-through	University Of Southern California	118063041-MSI-C	27,270	
47.050	Geosciences	Pass-through	University Of Southern California	81854	2,026	
47.050	Geosciences	Pass-through	University Of Southern California	91261301	3,451	
47.050	Geosciences	Pass-through	University Of Southern California	A17-0917-005	62,457	
47.050	Geosciences	Pass-through	University Of Southern California	EAR-1600087	9,639	
47.050	Geosciences	Pass-through	University Of Southern California Total		223,169	
47.050	Geosciences	Pass-through	University Of Utah	10043668	108,699	
47.050	Geosciences	Pass-through	University Of Utah Total		108,699	
47.050	Geosciences	Pass-through	University Of Washington	UWSC10548	63,953	
47.050	Geosciences	Pass-through	University Of Washington Total		63,953	
47.050	Geosciences	Pass-through	University System Of Maryland	86308-Z3459201	25,903	
47.050	Geosciences	Pass-through	University System Of Maryland Total		25,903	
47.050	Geosciences	Pass-through	Woods Hole Oceanographic Institution	63592	28,688	
47.050	Geosciences	Pass-through	Woods Hole Oceanographic Institution	87BE3	1,776,347	
47.050	Geosciences	Pass-through	Woods Hole Oceanographic Institution	A101360	104,489	
47.050	Geosciences	Pass-through	Woods Hole Oceanographic Institution	A101369	106,353	
47.050	Geosciences	Pass-through	Woods Hole Oceanographic Institution Total		2,015,877	
47.050	Geosciences	Pass-through	Yale University	009738	15,571	
47.050	Geosciences	Pass-through	Yale University Total		15,571	
47.050	Geosciences	Pass-through	University At Buffalo	R983146	(19,435)	
47.050	Geosciences	Pass-through	University At Buffalo Total		(19,435)	
47.050	Geosciences Total				77,551,483	3,224,658
47.050	COVID-19 - Geosciences	Direct	National Science Foundation (NSF)	Various	357	
47.050	COVID-19 - Geosciences	Direct	National Science Foundation (NSF) Total		357	
47.050	COVID-19 - Geosciences Total				357	
47.070	Computer And Information Science And Engineering	Direct	National Science Foundation (NSF)	Various	79,489,500	3,962,419
47.070	Computer And Information Science And Engineering	Direct	National Science Foundation (NSF) Total		79,489,500	3,962,419
47.070	Computer And Information Science And Engineering	Pass-through	Association Of American Geographers	010352	40,562	
47.070	Computer And Information Science And Engineering	Pass-through	Association Of American Geographers Total		40,562	
47.070	Computer And Information Science And Engineering	Pass-through	Cornell University	76221-10547	211,793	
47.070	Computer And Information Science And Engineering	Pass-through	Cornell University Total		211,793	
47.070	Computer And Information Science And Engineering	Pass-through	Indiana University	SUB BL4812537UCSD	97,456	
47.070	Computer And Information Science And Engineering	Pass-through	Indiana University	(OAC-1840034	1,804	
47.070	Computer And Information Science And Engineering	Pass-through	Indiana University Total		99,260	
47.070	Computer And Information Science And Engineering	Pass-through	Internet2	87BB7	61,957	
47.070	Computer And Information Science And Engineering	Pass-through	Internet2 Total		61,957	
47.070	Computer And Information Science And Engineering	Pass-through	Michigan State University	SUB RC108911UCSD	44,193	
47.070	Computer And Information Science And Engineering	Pass-through	Michigan State University Total		44,193	
47.070	Computer And Information Science And Engineering	Pass-through	Nano Composite Products, Inc	89BD1	13,644	
47.070	Computer And Information Science And Engineering	Pass-through	Nano Composite Products, Inc Total		13,644	
47.070	Computer And Information Science And Engineering	Pass-through	Northwestern University	010367	177,018	
47.070	Computer And Information Science And Engineering	Pass-through	Northwestern University	010715	71,277	
47.070	Computer And Information Science And Engineering	Pass-through	Northwestern University	871A4	128,829	
47.070	Computer And Information Science And Engineering	Pass-through	Northwestern University	SUB 60054740 UCSD (45,497	
47.070	Computer And Information Science And Engineering	Pass-through	Northwestern University Total		422,621	
47.070	Computer And Information Science And Engineering	Pass-through	Ohio State University	60068496	24,276	
47.070	Computer And Information Science And Engineering	Pass-through	Ohio State University Total		24,276	
47.070	Computer And Information Science And Engineering	Pass-through	Princeton University	A19-0420-001	343,043	
47.070	Computer And Information Science And Engineering	Pass-through	Princeton University	SUB 0000269(OCA-1836650)	492,167	
47.070	Computer And Information Science And Engineering	Pass-through	Princeton University	SUB0000268	181,545	
47.070	Computer And Information Science And Engineering	Pass-through	Princeton University Total		1,016,755	
47.070	Computer And Information Science And Engineering	Pass-through	Purdue University	10000686-018	482,070	
47.070	Computer And Information Science And Engineering	Pass-through	Purdue University	10001257-015	84,831	
47.070	Computer And Information Science And Engineering	Pass-through	Purdue University	SUB 10000686-019 (CCF-0939370)	348,147	
47.070	Computer And Information Science And Engineering	Pass-through	Purdue University	SUB 10001171-19(OAC-1724728)	34,949	
47.070	Computer And Information Science And Engineering	Pass-through	Purdue University Total		949,998	
47.070	Computer And Information Science And Engineering	Pass-through	Research Foundation For State University Of New York, The	21C85	(508)	
47.070	Computer And Information Science And Engineering	Pass-through	Research Foundation For State University Of New York, The Total		(508)	
47.070	Computer And Information Science And Engineering	Pass-through	Rice University	80013	(106,336)	
47.070	Computer And Information Science And Engineering	Pass-through	Rice University	R3F773	119	
47.070	Computer And Information Science And Engineering	Pass-through	Rice University Total		(106,218)	
47.070	Computer And Information Science And Engineering	Pass-through	Texas A&M University - College Station	M1903347	47,228	
47.070	Computer And Information Science And Engineering	Pass-through	Texas A&M University - College Station Total		47,228	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Illinois At Urbana-Champaign	078343-15668	158,599	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Illinois At Urbana-Champaign	SUB 083842-16110(ACI-1548562)	2,838,326	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Illinois At Urbana-Champaign	SUB 054096-17249	33,021	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Illinois At Urbana-Champaign Total		3,029,946	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Memphis	1640813	107,129	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Memphis	20163902.2	42,665	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Memphis Total		149,794	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Michigan	3004636405-CYC2	32,698	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Michigan Total		32,698	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Missouri	010810	314,446	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Missouri	877CE	34,380	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Missouri Total		348,827	
47.070	Computer And Information Science And Engineering	Pass-through	University Of New Mexico	007941	67,029	
47.070	Computer And Information Science And Engineering	Pass-through	University Of New Mexico	063045-873R	83,164	
47.070	Computer And Information Science And Engineering	Pass-through	University Of New Mexico Total		150,192	
47.070	Computer And Information Science And Engineering	Pass-through	University Of North Carolina At Chapel Hill	5105700	184,198	
47.070	Computer And Information Science And Engineering	Pass-through	University Of North Carolina At Chapel Hill Total		184,198	
47.070	Computer And Information Science And Engineering	Pass-through	University Of South Florida	2106-1251-00-A	67,441	
47.070	Computer And Information Science And Engineering	Pass-through	University Of South Florida Total		67,441	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Southern California	108502103	44,180	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Southern California Total		44,180	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Texas-Austin	UTA18-001252	37,707	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Texas-Austin Total		37,707	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Virginia	GA11276 PO #2141108	201,315	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Virginia	GA11421 POW#2197128	38,312	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Virginia Total		239,627	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Washington	UWSC9467	43,019	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Washington	UWSC9942.1	51,417	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Washington Total		94,436	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Wisconsin-Madison	203405439	18,809	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Wisconsin-Madison	SUB 855K724(1506657)	324,640	

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47.070	Computer And Information Science And Engineering	Pass-through	University Of Wisconsin-Madison Total		343,449	
47.070	Computer And Information Science And Engineering	Pass-through	Vanderbilt University	UNIV59060-2	148,095	
47.070	Computer And Information Science And Engineering	Pass-through	Vanderbilt University	UNIV59076	15,597	
47.070	Computer And Information Science And Engineering	Pass-through	Vanderbilt University Total		163,692	
				SUB FP00008963_SA001 (1902395)	11,889	
47.070	Computer And Information Science And Engineering	Pass-through	Virginia Commonwealth University Total		11,889	
47.070	Computer And Information Science And Engineering	Pass-through	Virginia Polytechnic Institute And State University	479589-19910	115,354	
47.070	Computer And Information Science And Engineering	Pass-through	Virginia Polytechnic Institute And State University	479590-19905A-CYC2	10,000	
47.070	Computer And Information Science And Engineering	Pass-through	Virginia Polytechnic Institute And State University	A20-1726-001	53,598	
47.070	Computer And Information Science And Engineering	Pass-through	Virginia Polytechnic Institute And State University Total		178,952	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Notre Dame	202917UCI-CYC1	89,662	
47.070	Computer And Information Science And Engineering	Pass-through	University Of Notre Dame Total		89,662	
47.070	Computer And Information Science And Engineering Total				87,481,753	3,962,419
47.074	Biological Sciences	Direct	National Science Foundation (NSF)	Various	54,354,764	6,356,800
47.074	Biological Sciences	Direct	National Science Foundation (NSF) Total		54,354,764	6,356,800
47.074	Biological Sciences	Pass-through	American Society For Cell Biology	201400396	11,877	
47.074	Biological Sciences	Pass-through	American Society For Cell Biology Total		11,877	
47.074	Biological Sciences	Pass-through	Arizona State University/Tempe	25B85	355	
47.074	Biological Sciences	Pass-through	Arizona State University/Tempe	DEB1414374	33,647	
47.074	Biological Sciences	Pass-through	Arizona State University/Tempe Total		34,002	
47.074	Biological Sciences	Pass-through	Barnard College	UCD1455957	754	
47.074	Biological Sciences	Pass-through	Barnard College Total		754	
47.074	Biological Sciences	Pass-through	Brown University	SUB 00001351 (DBI-1707352)	557,830	
47.074	Biological Sciences	Pass-through	Brown University Total		557,830	
47.074	Biological Sciences	Pass-through	California Institute Of Technology	1926023	10,154	
47.074	Biological Sciences	Pass-through	California Institute Of Technology	S456833	28,949	
47.074	Biological Sciences	Pass-through	California Institute Of Technology Total		39,104	
47.074	Biological Sciences	Pass-through	California State University Fullerton/Csu Fullerton Auxiliary Services	S-6824-LUCD	26,189	
47.074	Biological Sciences	Pass-through	California State University Fullerton/Csu Fullerton Auxiliary Services Total		26,189	
47.074	Biological Sciences	Pass-through	California State University, San Francisco State University	S18-0019	84,976	
47.074	Biological Sciences	Pass-through	California State University, San Francisco State University	S19-0007	17,052	
47.074	Biological Sciences	Pass-through	California State University, San Francisco State University Total		102,038	
47.074	Biological Sciences	Pass-through	Cary Institute Of Ecosystem Studies	1637661	17,034	
47.074	Biological Sciences	Pass-through	Cary Institute Of Ecosystem Studies	DEB-1855277	22,219	
47.074	Biological Sciences	Pass-through	Cary Institute Of Ecosystem Studies Total		39,253	
47.074	Biological Sciences	Pass-through	Central Michigan University	F63362	9,472	
47.074	Biological Sciences	Pass-through	Central Michigan University Total		9,472	
47.074	Biological Sciences	Pass-through	Cornell University	1822330	182,779	
47.074	Biological Sciences	Pass-through	Cornell University Total		182,779	
47.074	Biological Sciences	Pass-through	Donald Danforth Plant Science Center	23704-C	149,809	
47.074	Biological Sciences	Pass-through	Donald Danforth Plant Science Center Total		149,809	
47.074	Biological Sciences	Pass-through	Emory University	1844803	846	
47.074	Biological Sciences	Pass-through	Emory University Total		846	
47.074	Biological Sciences	Pass-through	Florida International University	800001404-05UG	8,075	
47.074	Biological Sciences	Pass-through	Florida International University Total		8,075	
47.074	Biological Sciences	Pass-through	Harvard University	111269-5110907	129,379	
47.074	Biological Sciences	Pass-through	Harvard University	A19-0392-001	63,098	
47.074	Biological Sciences	Pass-through	Harvard University Total		192,476	
47.074	Biological Sciences	Pass-through	Iowa State University	009496 (26,423)		
47.074	Biological Sciences	Pass-through	Iowa State University	85622 (57,503)		
47.074	Biological Sciences	Pass-through	Iowa State University Total		(83,926)	
47.074	Biological Sciences	Pass-through	J. Craig Venter Institute	JCVI-19-005	158,169	
47.074	Biological Sciences	Pass-through	J. Craig Venter Institute Total		158,169	
47.074	Biological Sciences	Pass-through	Kansas State University	S19023	81,517	
47.074	Biological Sciences	Pass-through	Kansas State University Total		81,517	
47.074	Biological Sciences	Pass-through	Massachusetts Institute Of Technology	S4885/ PO375554	24,147	
47.074	Biological Sciences	Pass-through	Massachusetts Institute Of Technology Total		24,147	
47.074	Biological Sciences	Pass-through	Ohio State University	60061209	48,520	
47.074	Biological Sciences	Pass-through	Ohio State University Total		48,520	
47.074	Biological Sciences	Pass-through	Pennsylvania State University	S000240-NSF	5,225	
47.074	Biological Sciences	Pass-through	Pennsylvania State University Total		5,225	
47.074	Biological Sciences	Pass-through	Purdue University	4101-81438	42,566	
47.074	Biological Sciences	Pass-through	Purdue University Total		42,566	
47.074	Biological Sciences	Pass-through	Rice University	SUB R3G401 (MCB-1616755)	39,503	
47.074	Biological Sciences	Pass-through	Rice University Total		39,503	
47.074	Biological Sciences	Pass-through	Rutgers, The State University Of New Jersey	0913	132,033	
47.074	Biological Sciences	Pass-through	Rutgers, The State University Of New Jersey	88997	50,257	
47.074	Biological Sciences	Pass-through	Rutgers, The State University Of New Jersey	SUB 0912 (DBI-1832184)	1,281,811	
47.074	Biological Sciences	Pass-through	Rutgers, The State University Of New Jersey Total		1,464,101	
47.074	Biological Sciences	Pass-through	Stanford University	61091724-118374.3	131,456	
47.074	Biological Sciences	Pass-through	Stanford University Total		131,456	
47.074	Biological Sciences	Pass-through	Tennessee State University	TSU-05555411	28,492	
47.074	Biological Sciences	Pass-through	Tennessee State University Total		28,492	
47.074	Biological Sciences	Pass-through	The National Marine Mammal Foundation	NSF-1656077-1	6,249	
47.074	Biological Sciences	Pass-through	The National Marine Mammal Foundation Total		6,249	
47.074	Biological Sciences	Pass-through	Tufts University	A19-0780-001	12,268	
47.074	Biological Sciences	Pass-through	Tufts University Total		12,268	
47.074	Biological Sciences	Pass-through	University Of Arizona	152976	11,120	
47.074	Biological Sciences	Pass-through	University Of Arizona	357961	131,475	
47.074	Biological Sciences	Pass-through	University Of Arizona	531848	5,053	
47.074	Biological Sciences	Pass-through	University Of Arizona Total		147,648	
47.074	Biological Sciences	Pass-through	University Of Colorado Boulder	1556974	158,483	
47.074	Biological Sciences	Pass-through	University Of Colorado Boulder Total		158,483	
47.074	Biological Sciences	Pass-through	University Of Connecticut	331024	86,882	
47.074	Biological Sciences	Pass-through	University Of Connecticut Total		86,882	
47.074	Biological Sciences	Pass-through	University Of Florida	A18-0936-001	51,217	
47.074	Biological Sciences	Pass-through	University Of Florida Total		51,217	
47.074	Biological Sciences	Pass-through	University Of Georgia	007057	23,235	
47.074	Biological Sciences	Pass-through	University Of Georgia	39A78	46,691	
47.074	Biological Sciences	Pass-through	University Of Georgia Total		69,926	
47.074	Biological Sciences	Pass-through	University Of Illinois At Urbana-Champaign	87B24	187,533	
47.074	Biological Sciences	Pass-through	University Of Illinois At Urbana-Champaign Total		187,533	
47.074	Biological Sciences	Pass-through	University Of Maine System	UMS-1046	13,035	
47.074	Biological Sciences	Pass-through	University Of Maine System Total		13,035	
47.074	Biological Sciences	Pass-through	University Of Maryland	75977-Z4808007	23,356	
47.074	Biological Sciences	Pass-through	University Of Maryland Total		23,356	
47.074	Biological Sciences	Pass-through	University Of Minnesota	1934384	8,205	
47.074	Biological Sciences	Pass-through	University Of Minnesota Total		8,205	
47.074	Biological Sciences	Pass-through	University Of Nebraska	A18-0889-001	39,098	
47.074	Biological Sciences	Pass-through	University Of Nebraska Total		39,098	
47.074	Biological Sciences	Pass-through	University Of North Carolina At Chapel Hill	5111338	29,745	
47.074	Biological Sciences	Pass-through	University Of North Carolina At Chapel Hill	5111339	46,512	
47.074	Biological Sciences	Pass-through	University Of North Carolina At Chapel Hill Total		76,257	
47.074	Biological Sciences	Pass-through	University Of Puerto Rico	2019-005	10,244	
47.074	Biological Sciences	Pass-through	University Of Puerto Rico	89321	24,752	
47.074	Biological Sciences	Pass-through	University Of Puerto Rico Total		34,996	
47.074	Biological Sciences	Pass-through	University Of Tennessee	9500073623	37,102	
47.074	Biological Sciences	Pass-through	University Of Tennessee Total		37,102	
47.074	Biological Sciences	Pass-through	University Of Washington	1748843	46,770	
47.074	Biological Sciences	Pass-through	University Of Washington Total		46,770	
47.074	Biological Sciences	Pass-through	University Of Wisconsin-Madison	0000000179	111,919	
47.074	Biological Sciences	Pass-through	University Of Wisconsin-Madison	692K182	36,026	
47.074	Biological Sciences	Pass-through	University Of Wisconsin-Madison Total		147,945	

University of California
Schedule of Expenditures of Federal Awards

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(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
47.074	Biological Sciences	Pass-through	University Of Wyoming	1002790A	131,283	
47.074	Biological Sciences	Pass-through	University Of Wyoming	1547796	147,117	
47.074	Biological Sciences	Pass-through	University Of Wyoming Total		279,001	
47.074	Biological Sciences	Pass-through	University System Of Maryland	8450-24808006	110,288	
47.074	Biological Sciences	Pass-through	University System Of Maryland Total		110,288	
47.074	Biological Sciences	Pass-through	Virginia Polytechnic Institute And State University	A20-0115-001	2,280	
47.074	Biological Sciences	Pass-through	Virginia Polytechnic Institute And State University Total		2,280	
47.074	Biological Sciences	Pass-through	Washington State University	127507-G003626	14,513	
47.074	Biological Sciences	Pass-through	Washington State University Total		14,513	
47.074	Biological Sciences	Pass-through	Washington University In St. Louis	008615	3,460	
47.074	Biological Sciences	Pass-through	Washington University In St. Louis	009658	30,032	
47.074	Biological Sciences	Pass-through	Washington University In St. Louis Total		33,492	
47.074	Biological Sciences	Pass-through	University Of Colorado System	1556857	145,553	
47.074	Biological Sciences	Pass-through	University Of Colorado System Total		145,553	
47.074	Biological Sciences	Pass-through	University At Buffalo	6230	63,264	
47.074	Biological Sciences	Pass-through	University At Buffalo	R1092333	142,267	
47.074	Biological Sciences	Pass-through	University At Buffalo Total		205,531	
47.074	Biological Sciences Total				59,586,664	6,356,800
47.074	COVID-19 - Biological Sciences	Direct	National Science Foundation (NSF)	Various	1,086	
47.074	COVID-19 - Biological Sciences	Direct	National Science Foundation (NSF) Total		1,086	
47.074	COVID-19 - Biological Sciences Total				1,086	
47.075	Social, Behavioral, And Economic Sciences	Direct	National Science Foundation (NSF)	Various	16,809,941	1,407,347
47.075	Social, Behavioral, And Economic Sciences	Direct	National Science Foundation (NSF) Total		16,809,941	1,407,347
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Arizona State University/Tempe	16-823.03	28,296	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Arizona State University/Tempe Total		28,296	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Boston University	4500003335 SUB 4500001956 (SMA-1540920)	5,379	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Boston University		519	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Boston University Total		5,898	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Carnegie Mellon University	1123278-399794-CYC3	10,919	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Carnegie Mellon University Total		10,919	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Clark University	2A325-7533	8,100	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Clark University Total		8,100	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Cornell University	1823489	97,413	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Cornell University Total		97,413	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Georgia State University	1949003	1,865	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Georgia State University Total		1,865	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Haskins Laboratories, Inc	1-A215	30,716	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Haskins Laboratories, Inc Total		30,716	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Johns Hopkins University	2003169999	28,309	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Johns Hopkins University Total		28,309	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	National Bureau Of Economic Research, Inc	36296.00.01.00-7700	22,602	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	National Bureau Of Economic Research, Inc Total		22,602	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Portland State University	100104	17,884	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Portland State University Total		17,884	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Princeton University	SUB0000373	22,500	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Princeton University Total		22,500	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Stanford University	61343100-122890	84,453	28,928
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Stanford University Total		84,453	28,928
47.075	Social, Behavioral, And Economic Sciences	Pass-through	State University Of New York	550-1142143-79134	65,636	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	State University Of New York Total		65,636	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	University Of Arizona	1922439	35,122	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	University Of Arizona Total		35,122	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	University Of Houston	57587	(2,488)	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	University Of Houston Total		(2,488)	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	University Of Massachusetts Amherst	19-010844B00	2,779	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	University Of Massachusetts Amherst Total		2,779	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	University Of Minnesota	A005858801	38,503	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	University Of Minnesota Total		38,503	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	University Of Washington	A17-0315-003	17,416	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	University Of Washington Total		17,416	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	University Of Wisconsin-Madison	57562	(2,020)	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	University Of Wisconsin-Madison Total		(2,020)	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Vanderbilt University	SUB 58534 (1640681)	18,285	
47.075	Social, Behavioral, And Economic Sciences	Pass-through	Vanderbilt University Total		18,285	
47.075	Social, Behavioral, And Economic Sciences Total				17,342,128	1,436,274
47.075	COVID-19 - Social, Behavioral, And Economic Sciences	Direct	National Science Foundation (NSF)	Various	1,597	
47.075	COVID-19 - Social, Behavioral, And Economic Sciences	Direct	National Science Foundation (NSF) Total		1,597	
47.075	COVID-19 - Social, Behavioral, And Economic Sciences Total				1,597	
47.076	Education And Human Resources	Direct	National Science Foundation (NSF)	Various	76,517,508	2,456,904
47.076	Education And Human Resources	Direct	National Science Foundation (NSF) Total		76,517,508	2,456,904
47.076	Education And Human Resources	Pass-through	9 Dots Community Learning Center	002	82,348	
47.076	Education And Human Resources	Pass-through	9 Dots Community Learning Center Total		82,348	
47.076	Education And Human Resources	Pass-through	American Museum Of Natural History	3-2014	31,561	
47.076	Education And Human Resources	Pass-through	American Museum Of Natural History Total		31,561	
47.076	Education And Human Resources	Pass-through	Astronomical Society Of The Pacific, The	2018-02-77-LHS	24,729	
47.076	Education And Human Resources	Pass-through	Astronomical Society Of The Pacific, The Total		24,729	
47.076	Education And Human Resources	Pass-through	California State University Sacramento/University Enterprises, Inc.	532571A-CYC1	4,034	
47.076	Education And Human Resources	Pass-through	California State University Sacramento/University Enterprises, Inc. Total		4,034	
47.076	Education And Human Resources	Pass-through	Carleton College	87BF4	31,151	
47.076	Education And Human Resources	Pass-through	Carleton College Total		31,151	
47.076	Education And Human Resources	Pass-through	Colorado State University	G-96702-4	5,932	
47.076	Education And Human Resources	Pass-through	Colorado State University Total		5,932	
47.076	Education And Human Resources	Pass-through	Concord Consortium, The	89276	815	
47.076	Education And Human Resources	Pass-through	Concord Consortium, The Total		815	
47.076	Education And Human Resources	Pass-through	Education Development Center, Inc.	11826	150,237	
47.076	Education And Human Resources	Pass-through	Education Development Center, Inc. Total		150,237	
47.076	Education And Human Resources	Pass-through	Foundation For California Community Colleges	8784G	38,079	
47.076	Education And Human Resources	Pass-through	Foundation For California Community Colleges Total		38,079	
47.076	Education And Human Resources	Pass-through	Harvard University	123930-5097974-CYC3	8,609	
47.076	Education And Human Resources	Pass-through	Harvard University Total		8,609	
47.076	Education And Human Resources	Pass-through	Michigan State University	RC104101UCB	(221)	
47.076	Education And Human Resources	Pass-through	Michigan State University Total		(221)	
47.076	Education And Human Resources	Pass-through	National University	87BF5	12,047	
47.076	Education And Human Resources	Pass-through	National University Total		12,047	
47.076	Education And Human Resources	Pass-through	New York Hall Of Science	NSF0026-03	156,690	
47.076	Education And Human Resources	Pass-through	New York Hall Of Science Total		156,690	
47.076	Education And Human Resources	Pass-through	Pennsylvania State University	5510-UCI-NSF-4355	80,422	
47.076	Education And Human Resources	Pass-through	Pennsylvania State University	5864-UCI-NSF-1012	103,827	
47.076	Education And Human Resources	Pass-through	Pennsylvania State University Total		184,249	
47.076	Education And Human Resources	Pass-through	Riverside Community College District	010725	31,377	
47.076	Education And Human Resources	Pass-through	Riverside Community College District	C00006461-CYC1	8,588	
47.076	Education And Human Resources	Pass-through	Riverside Community College District Total		39,965	
47.076	Education And Human Resources	Pass-through	Riverside Unified School District	81087	57,582	
47.076	Education And Human Resources	Pass-through	Riverside Unified School District	81091	10,541	
47.076	Education And Human Resources	Pass-through	Riverside Unified School District Total		68,123	
47.076	Education And Human Resources	Pass-through	Rutgers, The State University Of New Jersey	SUB 1170 (DGE-1561687)	38,948	
47.076	Education And Human Resources	Pass-through	Rutgers, The State University Of New Jersey Total		38,948	
47.076	Education And Human Resources	Pass-through	University Of Kansas/KU Center For Research, Inc.	FY2016056	5,103	

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Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
47.076	Education And Human Resources	Pass-through	University Of Kansas/KU Center For Research, Inc. Total		5,103	
47.076	Education And Human Resources	Pass-through	University Of Maryland	49427-Z3016202:A	13,763	
47.076	Education And Human Resources	Pass-through	University Of Maryland Total		13,763	
47.076	Education And Human Resources	Pass-through	University Of Michigan	3003593049	1,047	
47.076	Education And Human Resources	Pass-through	University Of Michigan	SUB 3004501602(DRL-1743150)	21,837	
47.076	Education And Human Resources	Pass-through	University Of Michigan Total		22,884	
47.076	Education And Human Resources	Pass-through	University Of North Carolina At Chapel Hill	125105374	9,000	
47.076	Education And Human Resources	Pass-through	University Of North Carolina At Chapel Hill Total		9,000	
47.076	Education And Human Resources	Pass-through	University Of San Diego	A19-0783-001	183	
47.076	Education And Human Resources	Pass-through	University Of San Diego	MATHS1230	2	
47.076	Education And Human Resources	Pass-through	University Of San Diego Total		186	
47.076	Education And Human Resources	Pass-through	University Of Southern California	126168692	44,727	
47.076	Education And Human Resources	Pass-through	University Of Southern California	1634528	48,323	
47.076	Education And Human Resources	Pass-through	University Of Southern California Total		93,051	
47.076	Education And Human Resources	Pass-through	University Of Washington	UWSC10468	99,040	
47.076	Education And Human Resources	Pass-through	University Of Washington Total		99,040	
47.076	Education And Human Resources	Pass-through	University Of Wisconsin-Madison	787K161	26,509	
47.076	Education And Human Resources	Pass-through	University Of Wisconsin-Madison Total		26,509	
47.076	Education And Human Resources	Pass-through	Vanderbilt University	UNIV61158	70,783	
47.076	Education And Human Resources	Pass-through	Vanderbilt University Total		70,783	
47.076	Education And Human Resources	Pass-through	Wested	S-00014572	95,447	
47.076	Education And Human Resources	Pass-through	Wested	S-00016448	92,748	
47.076	Education And Human Resources	Pass-through	Wested Total		188,195	
47.076	Education And Human Resources	Pass-through	WGBH Educational Foundation	K201803096	235,594	
47.076	Education And Human Resources	Pass-through	WGBH Educational Foundation Total		235,594	
47.076	Education And Human Resources Total				78,158,910	2,456,904
47.078	Polar Programs	Pass-through	Rutgers, The State University Of New Jersey	87D44	47,848	
47.078	Polar Programs	Pass-through	Rutgers, The State University Of New Jersey	A20-0745-001	72,498	
47.078	Polar Programs	Pass-through	Rutgers, The State University Of New Jersey Total		120,346	
47.078	Polar Programs Total				120,346	
47.079	Office Of International Science And Engineering	Direct	National Science Foundation (NSF)	Various	1,025,387	36,708
47.079	Office Of International Science And Engineering	Direct	National Science Foundation (NSF) Total		1,025,387	36,708
47.079	Office Of International Science And Engineering	Pass-through	California State University, San Diego State University	SA0000200:11	(33,166)	
47.079	Office Of International Science And Engineering	Pass-through	California State University, San Diego State University Total		(33,166)	
47.079	Office Of International Science And Engineering	Pass-through	CRDF Global	OISE-16-62791-0	5,023	
47.079	Office Of International Science And Engineering	Pass-through	CRDF Global Total		5,023	
47.079	Office Of International Science And Engineering	Pass-through	Kansas State University	1743701	81,600	
47.079	Office Of International Science And Engineering	Pass-through	Kansas State University Total		81,600	
47.079	Office Of International Science And Engineering	Pass-through	University Of Delaware	SUB 51656(1844463)	185,572	
47.079	Office Of International Science And Engineering	Pass-through	University Of Delaware Total		185,572	
47.079	Office Of International Science And Engineering	Pass-through	University Of Pittsburgh	0055445	237,229	
47.079	Office Of International Science And Engineering	Pass-through	University Of Pittsburgh Total		237,229	
47.079	Office Of International Science And Engineering	Pass-through	Vanderbilt University	60461	159,085	
47.079	Office Of International Science And Engineering	Pass-through	Vanderbilt University Total		159,085	
47.079	Office Of International Science And Engineering Total				1,660,730	36,708
47.080	Office Of Cyberinfrastructure	Direct	National Science Foundation (NSF)	Various	362,219	201,628
47.080	Office Of Cyberinfrastructure	Direct	National Science Foundation (NSF) Total		362,219	201,628
47.080	Office Of Cyberinfrastructure Total				362,219	201,628
47.083	Integrative Activities	Direct	National Science Foundation (NSF)	Various	2,988,403	1,020,435
47.083	Integrative Activities	Direct	National Science Foundation (NSF) Total		2,988,403	1,020,435
47.083	Integrative Activities	Pass-through	Boise State University	6800-PO124352	98,199	
47.083	Integrative Activities	Pass-through	Boise State University Total		98,199	
47.083	Integrative Activities	Pass-through	Pennsylvania State University	008449	1,393	
47.083	Integrative Activities	Pass-through	Pennsylvania State University	86702	1,658	
47.083	Integrative Activities	Pass-through	Pennsylvania State University	S000227-NSF	143,002	
47.083	Integrative Activities	Pass-through	Pennsylvania State University Total		146,053	
47.083	Integrative Activities	Pass-through	Purdue University	10001600-035	98,423	
47.083	Integrative Activities	Pass-through	Purdue University Total		98,423	
47.083	Integrative Activities	Pass-through	Texas A&M University - College Station	009285	139,516	
47.083	Integrative Activities	Pass-through	Texas A&M University - College Station Total		139,516	
47.083	Integrative Activities	Pass-through	University Of Illinois At Urbana-Champaign	077340-15579	55,103	
47.083	Integrative Activities	Pass-through	University Of Illinois At Urbana-Champaign Total		55,103	
47.083	Integrative Activities	Pass-through	University Of Southern California	A16-0468-008	153,221	
47.083	Integrative Activities	Pass-through	University Of Southern California Total		153,221	
47.083	Integrative Activities	Pass-through	University Of Texas-Arlington	2019GC4663	19,575	
47.083	Integrative Activities	Pass-through	University Of Texas-Arlington Total		19,575	
47.083	Integrative Activities Total				3,698,493	1,020,435
47.083	COVID-19 - Integrative Activities	Direct	National Science Foundation (NSF)	Various	47,714	
47.083	COVID-19 - Integrative Activities	Direct	National Science Foundation (NSF) Total		47,714	
47.083	COVID-19 - Integrative Activities Total				47,714	
47.RD		Direct	National Science Foundation (NSF)	Various	442,258	
47.RD		Direct	National Science Foundation (NSF)	011159	216,451	
47.RD		Direct	National Science Foundation (NSF)	CISE-1947719	245,368	
47.RD		Direct	National Science Foundation (NSF)	DOE-2013542	139,718	
47.RD		Direct	National Science Foundation (NSF) Total		1,043,795	
47.RD		Pass-through	California State Polytechnic University, Pomona	A20-2812-001	10,000	
47.RD		Pass-through	California State Polytechnic University, Pomona Total		10,000	
47.RD		Pass-through	George Mason University	BCS-1849067	67,749	
47.RD		Pass-through	George Mason University Total		67,749	
47.RD		Pass-through	Harvard University	130783-5097125	5,825	
47.RD		Pass-through	Harvard University Total		5,825	
47.RD		Pass-through	K2 Communications	201301455	21,064	
47.RD		Pass-through	K2 Communications Total		21,064	
47.RD		Pass-through	Mentor On The Go, LLC	SUB 20183028 (1831257)	156,917	
47.RD		Pass-through	Mentor On The Go, LLC Total		156,917	
47.RD		Pass-through	Ohio State University	735818	21,561	
47.RD		Pass-through	Ohio State University Total		21,561	
47.RD		Pass-through	Visolis, Inc.	86422	12	
47.RD		Pass-through	Visolis, Inc. Total		12	
47.RD	Total				1,326,924	
59.037	Small Business Development Centers	Direct	Small Business Administration (SBA)	Various	40,422	
59.037	Small Business Development Centers	Direct	Small Business Administration (SBA) Total		40,422	
59.037	Small Business Development Centers	Pass-through	California State University Fullerton/Cau Fullerton Auxiliary Services	77862	65,014	
59.037	Small Business Development Centers	Pass-through	California State University Fullerton/Cau Fullerton Auxiliary Services	S-7056-UJC1-CYC1	53,486	
59.037	Small Business Development Centers	Pass-through	California State University Fullerton/Cau Fullerton Auxiliary Services Total		118,499	
59.037	Small Business Development Centers Total				158,921	
60.RD		Direct	Smithsonian	SV1-81001	2,214,454	(643)
60.RD		Direct	Smithsonian	17-SUBC-440-0000372141	232,557	

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60 RD		Direct	Smithsonian	SV3-43019	30,171	
60 RD		Direct	Smithsonian	A18-0106-001	27,449	
60 RD		Direct	Smithsonian	A18-0709-001	20,089	
60 RD		Direct	Smithsonian	F13CC10098	745	
60 RD		Direct	Smithsonian	AR819012X	17,646	
60 RD		Direct	Smithsonian Total		2,543,111	(643)
60 RD	Total				2,543,111	(643)
64.009	Veterans Medical Care Benefits	Direct	Department Of Veterans Administration	Various	(784)	
64.009	Veterans Medical Care Benefits	Direct	Department Of Veterans Administration Total		(784)	
64.009	Veterans Medical Care Benefits Total				(784)	
64.054	Research And Development	Direct	Department Of Veterans Administration	A20-0795-001	473	
64.054	Research And Development	Direct	Department Of Veterans Administration Total		473	
64.054	Research And Development Total				473	
64 RD		Direct	Department Of Veterans Administration	Various	10,925,681	
64 RD		Direct	Department Of Veterans Administration Total		10,925,681	
64 RD	Total				10,925,681	
66.202	Congressionally Mandated Projects	Direct	Environmental Protection Agency (EPA)	TAA20-002/NADBC20-030	730	
66.202	Congressionally Mandated Projects	Direct	Environmental Protection Agency (EPA) Total		730	
66.202	Congressionally Mandated Projects Total				730	
66.454	Water Quality Management Planning	Pass-through	State Water Resources Control Board	19-012-110	1,250	
66.454	Water Quality Management Planning	Pass-through	State Water Resources Control Board	D1615002	2,612	
66.454	Water Quality Management Planning	Pass-through	State Water Resources Control Board Total		3,862	
66.454	Water Quality Management Planning Total				3,862	
66.509	Science To Achieve Results (STAR) Research Program	Direct	Environmental Protection Agency (EPA)	Various	1,653,005	143,876
66.509	Science To Achieve Results (STAR) Research Program	Direct	Environmental Protection Agency (EPA) Total		1,653,005	143,876
66.509	Science To Achieve Results (STAR) Research Program	Pass-through	Oregon State University	E0196B-B	8,340	
66.509	Science To Achieve Results (STAR) Research Program	Pass-through	Oregon State University Total		8,340	
66.509	Science To Achieve Results (STAR) Research Program	Pass-through	South Coast Air Quality Management District	172032-2	8,866	
66.509	Science To Achieve Results (STAR) Research Program	Pass-through	South Coast Air Quality Management District Total		8,866	
66.509	Science To Achieve Results (STAR) Research Program	Pass-through	University Of Washington	UWSC10117-1	81,581	
66.509	Science To Achieve Results (STAR) Research Program	Pass-through	University Of Washington Total		81,581	
66.509	Science To Achieve Results (STAR) Research Program Total				1,751,793	143,876
66.511	Office Of Research And Development Consolidated Research/Training/Fellowships	Pass-through	Colorado School Of Mines	401090-5801	244,765	89,779
66.511	Office Of Research And Development Consolidated Research/Training/Fellowships	Pass-through	Colorado School Of Mines Total		244,765	89,779
66.511	Office Of Research And Development Consolidated Research/Training/Fellowships	Pass-through	Health Effects Institute	4964-RFA17-3/18-6	190,636	
66.511	Office Of Research And Development Consolidated Research/Training/Fellowships	Pass-through	Health Effects Institute Total		190,636	
66.511	Office Of Research And Development Consolidated Research/Training/Fellowships	Pass-through	University Of Southern California	89BF8	1,973	
66.511	Office Of Research And Development Consolidated Research/Training/Fellowships	Pass-through	University Of Southern California Total		1,973	
66.511	Office Of Research And Development Consolidated Research/Training/Fellowships Total				437,373	89,779
66.514	Science To Achieve Results (STAR) Fellowship Program	Direct	Environmental Protection Agency (EPA)	Various	13,560	
66.514	Science To Achieve Results (STAR) Fellowship Program	Direct	Environmental Protection Agency (EPA) Total		13,560	
66.514	Science To Achieve Results (STAR) Fellowship Program Total				13,560	
66.516	P3 Award: National Student Design Competition For Sustainability	Direct	Environmental Protection Agency (EPA)	Various	22,974	
66.516	P3 Award: National Student Design Competition For Sustainability	Direct	Environmental Protection Agency (EPA) Total		22,974	
66.516	P3 Award: National Student Design Competition For Sustainability Total				22,974	
66.605	Performance Partnership Grants	Pass-through	California Department Of Pesticide Regulation	71A09	74	
66.605	Performance Partnership Grants	Pass-through	California Department Of Pesticide Regulation Total		74	
66.605	Performance Partnership Grants Total				74	
66.708	Pollution Prevention Grants Program	Direct	Environmental Protection Agency (EPA)	99T77801	96,005	
66.708	Pollution Prevention Grants Program	Direct	Environmental Protection Agency (EPA) Total		96,005	
66.708	Pollution Prevention Grants Program Total				96,005	
66.931	International Financial Assistance Projects Sponsored By The Office Of International And Tribal Affairs	Pass-through	4 Walls International Incorporated	FWI-5581315	8,538	
66.931	International Financial Assistance Projects Sponsored By The Office Of International And Tribal Affairs	Pass-through	4 Walls International Incorporated Total		8,538	
66.931	International Financial Assistance Projects Sponsored By The Office Of International And Tribal Affairs	Pass-through	North American Development Bank	TAA17-023	35,840	
66.931	International Financial Assistance Projects Sponsored By The Office Of International And Tribal Affairs	Pass-through	North American Development Bank Total		35,840	
66.931	International Financial Assistance Projects Sponsored By The Office Of International And Tribal Affairs Total				44,378	
66 RD		Direct	Environmental Protection Agency (EPA)	68HERC19C0004	177,597	
66 RD		Direct	Environmental Protection Agency (EPA) Total		177,597	
66 RD		Pass-through	Bigelow Laboratory For Ocean Sciences	2000008903	(61,570)	
66 RD		Pass-through	Bigelow Laboratory For Ocean Sciences Total		(61,570)	
66 RD		Pass-through	California Department Of Pesticide Regulation	18-C0042	4,956	
66 RD		Pass-through	California Department Of Pesticide Regulation Total		4,956	
66 RD		Pass-through	RTI International	5-312-0215574-52958L	31,987	
66 RD		Pass-through	RTI International Total		31,987	
66 RD	Total				152,970	
77.006	U.S. Nuclear Regulatory Commission Nuclear Education Grant Program	Direct	Nuclear Regulatory Commission	NRC-HQ-60-17-G-0028	260,685	
77.006	U.S. Nuclear Regulatory Commission Nuclear Education Grant Program	Direct	Nuclear Regulatory Commission Total		260,685	
77.006	U.S. Nuclear Regulatory Commission Nuclear Education Grant Program Total				260,685	
77.008	U.S. Nuclear Regulatory Commission Scholarship And Fellowship Program	Direct	Nuclear Regulatory Commission	Various	279,582	
77.008	U.S. Nuclear Regulatory Commission Scholarship And Fellowship Program	Direct	Nuclear Regulatory Commission Total		279,582	
77.008	U.S. Nuclear Regulatory Commission Scholarship And Fellowship Program Total				279,582	
81.036	Inventions And Innovations	Pass-through	Battelle Memorial Institute	86265	(533)	
81.036	Inventions And Innovations	Pass-through	Battelle Memorial Institute Total		(533)	

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81.036	Inventions And Innovations	Pass-through	General Atomics	4500059737-CYC10	223,287	50,000
81.036	Inventions And Innovations	Pass-through	General Atomics Total		223,287	50,000
81.036	Inventions And Innovations	Pass-through	Oak Ridge National Laboratory	4000159454	408,391	
81.036	Inventions And Innovations	Pass-through	Oak Ridge National Laboratory Total		408,391	
81.036	Inventions And Innovations Total				631,145	50,000
81.049	Office Of Science Financial Assistance Program	Direct	Department Of Energy (DOE)	A19-0679-001	3,226	
81.049	Office Of Science Financial Assistance Program	Direct	Department Of Energy (DOE)	Various	85,095,000	6,547,971
81.049	Office Of Science Financial Assistance Program	Direct	Department Of Energy (DOE) Total		85,098,226	6,547,971
81.049	Office Of Science Financial Assistance Program	Pass-through	Accustrata, Inc.	5576353	95,515	
81.049	Office Of Science Financial Assistance Program	Pass-through	Accustrata, Inc. Total		95,515	
81.049	Office Of Science Financial Assistance Program	Pass-through	Alliance For Sustainable Energy, LLC	89BGD	9,772	
81.049	Office Of Science Financial Assistance Program	Pass-through	Alliance For Sustainable Energy, LLC Total		9,772	
81.049	Office Of Science Financial Assistance Program	Pass-through	American Physical Society	CWC-051	38,991	
81.049	Office Of Science Financial Assistance Program	Pass-through	American Physical Society Total		38,991	
81.049	Office Of Science Financial Assistance Program	Pass-through	Argonne National Laboratory	9F-60156	100,000	
81.049	Office Of Science Financial Assistance Program	Pass-through	Argonne National Laboratory Total		100,000	
81.049	Office Of Science Financial Assistance Program	Pass-through	Arizona State University/Tempe	ASUB00000188	41,158	
81.049	Office Of Science Financial Assistance Program	Pass-through	Arizona State University/Tempe Total		41,158	
81.049	Office Of Science Financial Assistance Program	Pass-through	Bridge12 Technologies Inc.	A19-1070	57,673	
81.049	Office Of Science Financial Assistance Program	Pass-through	Bridge12 Technologies Inc.	A20-1150	44,821	
81.049	Office Of Science Financial Assistance Program	Pass-through	Bridge12 Technologies Inc. Total		102,494	
81.049	Office Of Science Financial Assistance Program	Pass-through	Cactus Materials, Inc.	A20-0813-001	7,867	
81.049	Office Of Science Financial Assistance Program	Pass-through	Cactus Materials, Inc. Total		7,867	
81.049	Office Of Science Financial Assistance Program	Pass-through	California Institute Of Technology	68J-1090279-CYC11	222,416	
81.049	Office Of Science Financial Assistance Program	Pass-through	SUB 68JCAP-1090300			
81.049	Office Of Science Financial Assistance Program	Pass-through	DE-SC00049		125,541	
81.049	Office Of Science Financial Assistance Program	Pass-through	SUB S390826 (DE-SC0016469)		75,105	
81.049	Office Of Science Financial Assistance Program	Pass-through	SUB S450724 (DE-SC0020373)		105,449	
81.049	Office Of Science Financial Assistance Program	Pass-through	California Institute Of Technology		528,511	
81.049	Office Of Science Financial Assistance Program	Pass-through	California Institute Of Technology Total		528,511	
81.049	Office Of Science Financial Assistance Program	Pass-through	Carnegie Institution Of Washington	6-10931-01	21,659	
81.049	Office Of Science Financial Assistance Program	Pass-through	Carnegie Institution Of Washington Total		21,659	
81.049	Office Of Science Financial Assistance Program	Pass-through	Columbia University	1(GG008772)	11,584	
81.049	Office Of Science Financial Assistance Program	Pass-through	Columbia University	DE-SC0018218	336,680	
81.049	Office Of Science Financial Assistance Program	Pass-through	Columbia University Total		408,263	
81.049	Office Of Science Financial Assistance Program	Pass-through	Cornell University	86832-11130	86,017	
81.049	Office Of Science Financial Assistance Program	Pass-through	Cornell University Total		86,017	
81.049	Office Of Science Financial Assistance Program	Pass-through	Dirac Solutions Inc.	A18-0322-001	15,931	
81.049	Office Of Science Financial Assistance Program	Pass-through	Dirac Solutions Inc.	A19-0391-001	99,437	
81.049	Office Of Science Financial Assistance Program	Pass-through	Dirac Solutions Inc.	A19-0895-001	11,461	
81.049	Office Of Science Financial Assistance Program	Pass-through	Dirac Solutions Inc. Total		126,829	
81.049	Office Of Science Financial Assistance Program	Pass-through	Freedom Photonics LLC	A19-3057	74,150	6,783
81.049	Office Of Science Financial Assistance Program	Pass-through	Freedom Photonics LLC Total		74,150	6,783
81.049	Office Of Science Financial Assistance Program	Pass-through	General Atomics	4500059085	571,488	
81.049	Office Of Science Financial Assistance Program	Pass-through	General Atomics Total		571,488	
81.049	Office Of Science Financial Assistance Program	Pass-through	General Engineering & Research, LLC	SUB 20173815 (DE-SC0015932)	88,605	
81.049	Office Of Science Financial Assistance Program	Pass-through	General Engineering & Research, LLC Total		88,605	
81.049	Office Of Science Financial Assistance Program	Pass-through	Georgia Institute Of Technology	AWD-102524-G1	118,784	
81.049	Office Of Science Financial Assistance Program	Pass-through	Georgia Institute Of Technology Total		118,784	
81.049	Office Of Science Financial Assistance Program	Pass-through	Giner, Inc.	403105	23,813	
81.049	Office Of Science Financial Assistance Program	Pass-through	Giner, Inc. Total		23,813	
81.049	Office Of Science Financial Assistance Program	Pass-through	Global Algae Innovations	SUB 20195147 (DE-SC0018781)	101,691	
81.049	Office Of Science Financial Assistance Program	Pass-through	Global Algae Innovations Total		101,691	
81.049	Office Of Science Financial Assistance Program	Pass-through	Harvard University	130298-5106298.01	152,397	
81.049	Office Of Science Financial Assistance Program	Pass-through	Harvard University Total		152,397	
81.049	Office Of Science Financial Assistance Program	Pass-through	Hj Science And Technology, Inc.	86258	34,324	
81.049	Office Of Science Financial Assistance Program	Pass-through	Hj Science And Technology, Inc. Total		34,324	
81.049	Office Of Science Financial Assistance Program	Pass-through	Idaho National Laboratory	SUB 217350 (DE-AC07-05D14517)	50,275	
81.049	Office Of Science Financial Assistance Program	Pass-through	Idaho National Laboratory Total		50,275	
81.049	Office Of Science Financial Assistance Program	Pass-through	Incorm, Inc.	60973	(49)	
81.049	Office Of Science Financial Assistance Program	Pass-through	Incorm, Inc. Total		(49)	
81.049	Office Of Science Financial Assistance Program	Pass-through	Iowa State University	401-21-37D.2	215,674	
81.049	Office Of Science Financial Assistance Program	Pass-through	Iowa State University Total		215,674	
81.049	Office Of Science Financial Assistance Program	Pass-through	J. Craig Venter Institute	SUB JCVI-17-014 (DE-SC0018344)	253,079	
81.049	Office Of Science Financial Assistance Program	Pass-through	J. Craig Venter Institute Total		253,079	
81.049	Office Of Science Financial Assistance Program	Pass-through	Johns Hopkins University	SUB 2004033307 (DE-SC0019388)	80,510	
81.049	Office Of Science Financial Assistance Program	Pass-through	Johns Hopkins University Total		80,510	
81.049	Office Of Science Financial Assistance Program	Pass-through	Laser Prismatics, LLC	047443	178,065	
81.049	Office Of Science Financial Assistance Program	Pass-through	Laser Prismatics, LLC	048830	39,680	
81.049	Office Of Science Financial Assistance Program	Pass-through	Laser Prismatics, LLC Total		217,745	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	87048	31,219	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	A17-0491-003	(800)	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	A19-0694-001	180,890	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	A19-0852-001	16,800	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	A20-0416-001	15,000	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	A20-0556-001	547	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	A20-0719-001	30,034	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	A20-0741-001	35,123	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	A20-0769-001	22,427	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	B628449	302,685	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	B628729	390,244	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	B632435	37,303	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC Total		1,961,472	
81.049	Office Of Science Financial Assistance Program	Pass-through	Life-E, LLC	A19-1171	6,029	
81.049	Office Of Science Financial Assistance Program	Pass-through	Life-E, LLC Total		6,029	
81.049	Office Of Science Financial Assistance Program	Pass-through	Los Alamos National Security, LLC	520116	599,804	
81.049	Office Of Science Financial Assistance Program	Pass-through	Los Alamos National Security, LLC Total		599,804	
81.049	Office Of Science Financial Assistance Program	Pass-through	Massachusetts Institute Of Technology	DE-FG02-94ER61937	49,920	
81.049	Office Of Science Financial Assistance Program	Pass-through	Massachusetts Institute Of Technology	S4686 - PO	208,571	
81.049	Office Of Science Financial Assistance Program	Pass-through	Massachusetts Institute Of Technology Total		258,491	
81.049	Office Of Science Financial Assistance Program	Pass-through	Nhanced Semiconductors	A19-3055	74,500	12,374
81.049	Office Of Science Financial Assistance Program	Pass-through	Nhanced Semiconductors Total		74,500	12,374
81.049	Office Of Science Financial Assistance Program	Pass-through	Northwestern University	60051564UCB	136,860	
81.049	Office Of Science Financial Assistance Program	Pass-through	Northwestern University	77852	75,808	
81.049	Office Of Science Financial Assistance Program	Pass-through	Northwestern University Total		212,668	
81.049	Office Of Science Financial Assistance Program	Pass-through	Oak Ridge Associated Universities	047405	4,401	
81.049	Office Of Science Financial Assistance Program	Pass-through	Oak Ridge Associated Universities Total		4,401	
81.049	Office Of Science Financial Assistance Program	Pass-through	Oak Ridge National Laboratory	4000154999-10	175,795	
81.049	Office Of Science Financial Assistance Program	Pass-through	Oak Ridge National Laboratory Total		175,795	
81.049	Office Of Science Financial Assistance Program	Pass-through	Operant Solar Corporation	DE-SC0018863	40	
81.049	Office Of Science Financial Assistance Program	Pass-through	Operant Solar Corporation Total		40	
81.049	Office Of Science Financial Assistance Program	Pass-through	Optelligent, LLC	A19-3058	74,500	15,024
81.049	Office Of Science Financial Assistance Program	Pass-through	Optelligent, LLC Total		74,500	15,024
81.049	Office Of Science Financial Assistance Program	Pass-through	Pacific Northwest National Laboratories	261296-4	38	
81.049	Office Of Science Financial Assistance Program	Pass-through	Pacific Northwest National Laboratories	503235	14,114	
81.049	Office Of Science Financial Assistance Program	Pass-through	Pacific Northwest National Laboratories Total		14,152	
81.049	Office Of Science Financial Assistance Program	Pass-through	Pennsylvania State University	SUB 5065-UCSD-DOE-2375 (DE-SC0	147,711	
81.049	Office Of Science Financial Assistance Program	Pass-through	Pennsylvania State University Total		147,711	
81.049	Office Of Science Financial Assistance Program	Pass-through	Purdue University	SUB 14000380-009(DESC0018952)	25,272	
81.049	Office Of Science Financial Assistance Program	Pass-through	Purdue University Total		25,272	
81.049	Office Of Science Financial Assistance Program	Pass-through	Radiabeam Technologies, LLC	2019-17690	20,000	

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81.049	Office Of Science Financial Assistance Program	Pass-through	Radiabeam Technologies, LLC Total		20,000	
81.049	Office Of Science Financial Assistance Program	Pass-through	Sandia National Laboratories	SUB 1856102 (NONE)	158,847	
81.049	Office Of Science Financial Assistance Program	Pass-through	Sandia National Laboratories Total		158,847	
81.049	Office Of Science Financial Assistance Program	Pass-through	Slac National Accelerator Laboratory	196758	86,984	
81.049	Office Of Science Financial Assistance Program	Pass-through	Slac National Accelerator Laboratory Total		86,984	
81.049	Office Of Science Financial Assistance Program	Pass-through	Smart Manufacturing Leadership Coalition	81320	(9,439)	
81.049	Office Of Science Financial Assistance Program	Pass-through	Smart Manufacturing Leadership Coalition Total		(9,439)	
81.049	Office Of Science Financial Assistance Program	Pass-through	Stanford University	61961563-136555	785,399	
81.049	Office Of Science Financial Assistance Program	Pass-through	Stanford University	A19-0496-001	2,770	
81.049	Office Of Science Financial Assistance Program	Pass-through	Stanford University Total		788,609	
81.049	Office Of Science Financial Assistance Program	Pass-through	State University Of New York	68799	87,016	
81.049	Office Of Science Financial Assistance Program	Pass-through	State University Of New York	SUB		
81.049	Office Of Science Financial Assistance Program	Pass-through	State University Of New York Total	68799(DESC0012583)	332,997	
81.049	Office Of Science Financial Assistance Program	Pass-through	The University Of Alabama (Tuscaloosa)	000517656-SC002.03	69,664	
81.049	Office Of Science Financial Assistance Program	Pass-through	The University Of Alabama (Tuscaloosa) Total		69,664	
81.049	Office Of Science Financial Assistance Program	Pass-through	Translume Inc	20201448	33,946	
81.049	Office Of Science Financial Assistance Program	Pass-through	Translume Inc Total		33,946	
81.049	Office Of Science Financial Assistance Program	Pass-through	Triad National Security, LLC	A19-0858-001	18,407	
81.049	Office Of Science Financial Assistance Program	Pass-through	Triad National Security, LLC Total		18,407	
81.049	Office Of Science Financial Assistance Program	Pass-through	Ultramet	SUB S0M16788 (DE-SC0017846)	12,038	
81.049	Office Of Science Financial Assistance Program	Pass-through	Ultramet Total		12,038	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Corporation For Atmospheric Research	001765	15,564	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Corporation For Atmospheric Research Total		15,564	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Central Florida	004518	81,523	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Central Florida Total		81,523	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Delaware	51428	216,233	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Delaware Total		216,233	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Illinois At Urbana-Champaign	090634-16915	331,247	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Illinois At Urbana-Champaign	63654	9,071	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Illinois At Urbana-Champaign Total		340,317	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Iowa	S00456-01	113,728	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Iowa Total		113,728	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Kansas/KU Center For Research, Inc.	007775	13,935	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Kansas/KU Center For Research, Inc. Total		13,935	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Maryland	18028-Z7181002:D	49,384	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Maryland Total		49,384	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Miami	SPC-000615.1	70,305	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Miami Total		70,305	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Michigan	3003694279	(49,927)	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Michigan	3004764256	206,191	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Michigan	59780	(62,463)	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Michigan	SUBJK00009231-CYC1	63,590	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Michigan	SUBJK00001112	57,599	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Michigan Total		215,388	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Minnesota	A003127005	16,345	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Minnesota	A004527503	153,318	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Minnesota	A007230203	232,714	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Minnesota	A007660701	69,145	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Minnesota Total		471,521	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Nebraska-Lincoln	SUB 25-0521-0220-002 (DE-SC001)	41	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Nebraska-Lincoln Total		41	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of North Carolina At Chapel Hill	5107499	75,259	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of North Carolina At Chapel Hill Total		75,259	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Southern California	80417	(5,642)	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Southern California Total		(5,642)	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Texas-Austin	SUB UTA18-001255(DE-SC0019100)	39,208	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Texas-Austin	UTA18-001379	988,580	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Texas-Austin Total		1,027,788	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Utah	10051975	27,239	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Utah	DE-SC0019285	197,927	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Utah Total		225,166	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Washington	SUB UWSCI0739(DE-SC0019288)	143,836	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Washington Total		143,836	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Wisconsin-Madison	0000000368	52,627	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Wisconsin-Madison	614K924-5	56,392	
81.049	Office Of Science Financial Assistance Program	Pass-through	University Of Wisconsin-Madison Total		109,019	
81.049	Office Of Science Financial Assistance Program	Pass-through	Visolis, Inc.	60259	3,485	
81.049	Office Of Science Financial Assistance Program	Pass-through	Visolis, Inc. Total		3,485	
81.049	Office Of Science Financial Assistance Program	Pass-through	Washington University In St. Louis	006723	169,175	
81.049	Office Of Science Financial Assistance Program	Pass-through	Washington University In St. Louis Total		169,175	
81.049	Office Of Science Financial Assistance Program	Pass-through	Wayne State University	79542	(16,023)	
81.049	Office Of Science Financial Assistance Program	Pass-through	Wayne State University Total		(16,023)	
81.049	Office Of Science Financial Assistance Program	Pass-through	Brookhaven National Laboratory	198731:12	13,968	
81.049	Office Of Science Financial Assistance Program	Pass-through	Brookhaven National Laboratory	233044:7	154,111	
81.049	Office Of Science Financial Assistance Program	Pass-through	Brookhaven National Laboratory	A00-1382-021	23	
81.049	Office Of Science Financial Assistance Program	Pass-through	Brookhaven National Laboratory Total		168,102	
81.049	Office Of Science Financial Assistance Program	Pass-through	Fermi Research Alliance, LLC (FRA)	PO 613885	276,541	1,275
81.049	Office Of Science Financial Assistance Program	Pass-through	Fermi Research Alliance, LLC (FRA) Total		276,541	1,275
81.049	Office Of Science Financial Assistance Program	Pass-through	Universities Research Association	PO#603654:18	86,455	
81.049	Office Of Science Financial Assistance Program	Pass-through	Universities Research Association Total		86,455	
81.049	Office Of Science Financial Assistance Program Total				96,752,996	6,583,427
81.086	Conservation Research And Development	Direct	Department Of Energy (DOE)	Various	4,909,984	649,920
81.086	Conservation Research And Development	Direct	Department Of Energy (DOE) Total		4,909,984	649,920
81.086	Conservation Research And Development	Pass-through	Center For Energy And Environment	A19-1934	34,969	
81.086	Conservation Research And Development	Pass-through	Center For Energy And Environment Total		34,969	
81.086	Conservation Research And Development	Pass-through	Southwest Research Institute	L99081MJM	42,117	
81.086	Conservation Research And Development	Pass-through	Southwest Research Institute Total		42,117	
81.086	Conservation Research And Development	Pass-through	University Of Kentucky/University Of Kentucky Research Foundation	3200001517-18-075	209,728	
81.086	Conservation Research And Development	Pass-through	University Of Kentucky/University Of Kentucky Research Foundation Total		209,728	
81.086	Conservation Research And Development Total				5,196,799	649,920
81.087	Renewable Energy Research And Development	Direct	Department Of Energy (DOE)	Various	16,979,436	4,298,168
81.087	Renewable Energy Research And Development	Direct	Department Of Energy (DOE) Total		16,979,436	4,298,168
81.087	Renewable Energy Research And Development	Pass-through	Arizona State University/Tempe	8773A	178,587	
81.087	Renewable Energy Research And Development	Pass-through	Arizona State University/Tempe Total		178,587	
81.087	Renewable Energy Research And Development	Pass-through	Calwave Power Technologies, Inc.	043841	19,241	
81.087	Renewable Energy Research And Development	Pass-through	Calwave Power Technologies, Inc. Total		19,241	
81.087	Renewable Energy Research And Development	Pass-through	Cornell University	SUB 81344-10987 (DE-EE0007978)	76,092	
81.087	Renewable Energy Research And Development	Pass-through	Cornell University Total		76,092	
81.087	Renewable Energy Research And Development	Pass-through	Duke University	A19-0484-001	16,948	
81.087	Renewable Energy Research And Development	Pass-through	Duke University Total		16,948	
81.087	Renewable Energy Research And Development	Pass-through	El Camino College	047307	46,194	
81.087	Renewable Energy Research And Development	Pass-through	El Camino College Total		46,194	
81.087	Renewable Energy Research And Development	Pass-through	Electric Power Research Institute	011440	182	
81.087	Renewable Energy Research And Development	Pass-through	Electric Power Research Institute Total		182	
81.087	Renewable Energy Research And Development	Pass-through	Global Algae Innovations	8757D	219	
81.087	Renewable Energy Research And Development	Pass-through	Global Algae Innovations Total		219	
81.087	Renewable Energy Research And Development	Pass-through	Lawrence Livermore National Security, LLC	A20-3164	28,907	
81.087	Renewable Energy Research And Development	Pass-through	Lawrence Livermore National Security, LLC	B639114	15,542	
81.087	Renewable Energy Research And Development	Pass-through	Lawrence Livermore National Security, LLC		47,407	

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Schedule of Expenditures of Federal Awards

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Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
81.087	Renewable Energy Research And Development	Pass-through	Lawrence Livermore National Security, LLC Total		91,856	
81.087	Renewable Energy Research And Development	Pass-through	Midwest Research Inst	XGJ-9-92039-01	69,710	
81.087	Renewable Energy Research And Development	Pass-through	Midwest Research Inst Total		69,710	
81.087	Renewable Energy Research And Development	Pass-through	New Mexico Consortium, Inc.	89C16	334	
81.087	Renewable Energy Research And Development	Pass-through	New Mexico Consortium, Inc. Total		334	
81.087	Renewable Energy Research And Development	Pass-through	Oregon State University	G0154F-A	40,163	
81.087	Renewable Energy Research And Development	Pass-through	Oregon State University Total		40,163	
81.087	Renewable Energy Research And Development	Pass-through	Pacific Northwest National Laboratories	422454	310,147	
81.087	Renewable Energy Research And Development	Pass-through	Pacific Northwest National Laboratories Total		310,147	
81.087	Renewable Energy Research And Development	Pass-through	University Of Central Florida	SUB 16226104-06 (EE0007327)	25,124	
81.087	Renewable Energy Research And Development	Pass-through	University Of Central Florida Total		25,124	
81.087	Renewable Energy Research And Development	Pass-through	University Of Illinois At Urbana-Champaign	094489-17319	67,891	
81.087	Renewable Energy Research And Development	Pass-through	University Of Illinois At Urbana-Champaign Total		67,891	
81.087	Renewable Energy Research And Development	Pass-through	Visolis, Inc.	A20-1599	23,975	
81.087	Renewable Energy Research And Development	Pass-through	Visolis, Inc. Total		23,975	
81.087	Renewable Energy Research And Development	Pass-through	Washington University In St. Louis	WU-20-58	153,940	
81.087	Renewable Energy Research And Development	Pass-through	Washington University In St. Louis Total		153,940	
81.087	Renewable Energy Research And Development	Pass-through	Worcester Polytechnic Institute	011481	38,189	
81.087	Renewable Energy Research And Development	Pass-through	Worcester Polytechnic Institute Total		38,189	
81.087	Renewable Energy Research And Development	Pass-through	Brookhaven National Laboratory	325257	1,411,692	
81.087	Renewable Energy Research And Development	Pass-through	Brookhaven National Laboratory Total		1,411,692	
81.087	Renewable Energy Research And Development Total				19,549,921	4,298,168
81.089	Fossil Energy Research And Development	Direct	Department Of Energy (DOE)	Various	2,515,566	396,329
81.089	Fossil Energy Research And Development	Direct	Department Of Energy (DOE) Total		2,515,566	396,329
81.089	Fossil Energy Research And Development	Pass-through	Lawrence Livermore National Security, LLC	57589	(5,752)	
81.089	Fossil Energy Research And Development	Pass-through	Lawrence Livermore National Security, LLC	B634023	12,018	
81.089	Fossil Energy Research And Development	Pass-through	Lawrence Livermore National Security, LLC	B634466	19,501	
81.089	Fossil Energy Research And Development	Pass-through	Lawrence Livermore National Security, LLC Total		25,767	
81.089	Fossil Energy Research And Development	Pass-through	Opto-Knowledge Systems, Inc.	18040601-02-CYC1	6,058	
81.089	Fossil Energy Research And Development	Pass-through	Opto-Knowledge Systems, Inc. Total		6,058	
81.089	Fossil Energy Research And Development	Pass-through	Pacific Northwest National Laboratories	009513	52,679	
81.089	Fossil Energy Research And Development	Pass-through	Pacific Northwest National Laboratories Total		52,679	
81.089	Fossil Energy Research And Development	Pass-through	Proton Onsite, Inc.	EC-0008081-01-CYC1	97,656	
81.089	Fossil Energy Research And Development	Pass-through	Proton Onsite, Inc. Total		97,656	
81.089	Fossil Energy Research And Development	Pass-through	Savannah River Nuclear Solutions, LLC	667	171,070	
81.089	Fossil Energy Research And Development	Pass-through	Savannah River Nuclear Solutions, LLC Total		171,070	
81.089	Fossil Energy Research And Development	Pass-through	Slac National Accelerator Laboratory	191924	303	
81.089	Fossil Energy Research And Development	Pass-through	Slac National Accelerator Laboratory Total		303	
81.089	Fossil Energy Research And Development	Pass-through	TDA Research, Inc.	GA.2201.008.UCI.18.01- CYC2	13,724	
81.089	Fossil Energy Research And Development	Pass-through	TDA Research, Inc.	GA.2201.009.UCI.19.02	60,563	
81.089	Fossil Energy Research And Development	Pass-through	TDA Research, Inc.	GA.2201.010.UCI.19.02	60,367	
81.089	Fossil Energy Research And Development	Pass-through	TDA Research, Inc.	GA.2201.011.UCI.19.01- CYC1	40,632	
81.089	Fossil Energy Research And Development	Pass-through	TDA Research, Inc.	GA.2339.UCI.16.01	47,347	
81.089	Fossil Energy Research And Development	Pass-through	TDA Research, Inc. Total		222,633	
81.089	Fossil Energy Research And Development	Pass-through	University Of Iowa	S00700-01	72,565	
81.089	Fossil Energy Research And Development	Pass-through	University Of Iowa Total		72,565	
81.089	Fossil Energy Research And Development	Pass-through	University Of Kansas/KU Center For Research, Inc.	FY2020-035	40,289	
81.089	Fossil Energy Research And Development	Pass-through	University Of Kansas/KU Center For Research, Inc. Total		40,289	
81.089	Fossil Energy Research And Development	Pass-through	University Of Southern California	119684338	92,845	
81.089	Fossil Energy Research And Development	Pass-through	University Of Southern California Total		92,845	
81.089	Fossil Energy Research And Development	Pass-through	University Of Wisconsin-Madison	877K855	248,967	
81.089	Fossil Energy Research And Development	Pass-through	University Of Wisconsin-Madison Total		248,967	
81.089	Fossil Energy Research And Development	Pass-through	Wayne State University	WSU18043-A1	36,041	
81.089	Fossil Energy Research And Development	Pass-through	Wayne State University Total		36,041	
81.089	Fossil Energy Research And Development Total				3,582,441	396,329
81.108	Epidemiology And Other Health Studies Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	B633616	50,000	
81.108	Epidemiology And Other Health Studies Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC Total		50,000	
81.108	Epidemiology And Other Health Studies Financial Assistance Program	Pass-through	Sandia National Laboratories	2105842	48,498	
81.108	Epidemiology And Other Health Studies Financial Assistance Program	Pass-through	Sandia National Laboratories Total		48,498	
81.108	Epidemiology And Other Health Studies Financial Assistance Program Total				98,498	
81.112	Stewardship Science Grant Program	Direct	Department Of Energy (DOE)	Various	3,071,445	239,896
81.112	Stewardship Science Grant Program	Direct	Department Of Energy (DOE) Total		3,071,445	239,896
81.112	Stewardship Science Grant Program	Pass-through	Cornell University	SUB 83228-10970 (DE- NA0003764)	232,324	
81.112	Stewardship Science Grant Program	Pass-through	Cornell University Total		232,324	
81.112	Stewardship Science Grant Program	Pass-through	George Washington University	18-S22	138,524	
81.112	Stewardship Science Grant Program	Pass-through	George Washington University Total		138,524	
81.112	Stewardship Science Grant Program	Pass-through	Harvard University	130805-5088706	11,457	
81.112	Stewardship Science Grant Program	Pass-through	Harvard University	DE-NA0003904	40,895	
81.112	Stewardship Science Grant Program	Pass-through	Harvard University Total		52,352	
81.112	Stewardship Science Grant Program	Pass-through	Oak Ridge National Laboratory	79234	(5,393)	
81.112	Stewardship Science Grant Program	Pass-through	Oak Ridge National Laboratory Total		(5,393)	
81.112	Stewardship Science Grant Program	Pass-through	Texas A&M University - College Station	M1803474	830,395	
81.112	Stewardship Science Grant Program	Pass-through	Texas A&M University - College Station Total		830,395	
81.112	Stewardship Science Grant Program Total				4,319,647	239,896
81.113	Defense Nuclear Nonproliferation Research	Direct	Department Of Energy (DOE)	Various	5,294,063	2,896,141
81.113	Defense Nuclear Nonproliferation Research	Direct	Department Of Energy (DOE) Total		5,294,063	2,896,141
81.113	Defense Nuclear Nonproliferation Research	Pass-through	Lawrence Livermore National Security, LLC	B628129	1,425	
81.113	Defense Nuclear Nonproliferation Research	Pass-through	Lawrence Livermore National Security, LLC Total		1,425	
81.113	Defense Nuclear Nonproliferation Research	Pass-through	Triad National Security, LLC	SUB 507174(NONE)	123,289	
81.113	Defense Nuclear Nonproliferation Research	Pass-through	Triad National Security, LLC Total		123,289	
81.113	Defense Nuclear Nonproliferation Research	Pass-through	University Of Michigan	61853	3,696	
81.113	Defense Nuclear Nonproliferation Research	Pass-through	University Of Michigan	SUBK00010006	40,617	
81.113	Defense Nuclear Nonproliferation Research	Pass-through	University Of Michigan Total		44,313	
81.113	Defense Nuclear Nonproliferation Research Total				5,463,090	2,896,141
81.119	State Energy Program Special Projects	Pass-through	Sandia National Laboratories	SUB 2082375(NONE)	48,264	
81.119	State Energy Program Special Projects	Pass-through	Sandia National Laboratories Total		48,264	
81.119	State Energy Program Special Projects Total				48,264	
81.121	Nuclear Energy Research, Development And Demonstration	Direct	Department Of Energy (DOE)	Various	1,554,858	560,170
81.121	Nuclear Energy Research, Development And Demonstration	Direct	Department Of Energy (DOE) Total		1,554,858	560,170
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	Lawrence Livermore National Security, LLC	57604	10,659	
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	Lawrence Livermore National Security, LLC	B632821	67,116	
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	Lawrence Livermore National Security, LLC	B633579	101,127	
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	Lawrence Livermore National Security, LLC	B637627	10,912	
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	Lawrence Livermore National Security, LLC	B637848	44,144	
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	Lawrence Livermore National Security, LLC	B639812	47,976	
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	Lawrence Livermore National Security, LLC Total		281,934	
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	Texas A&M University - College Station	28-M1800913	137,784	
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	Texas A&M University - College Station Total		137,784	
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	University Of Tennessee	010336	115,360	
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	University Of Tennessee	DE-NE0008694	36,007	
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	University Of Tennessee Total		151,367	
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	University Of Wisconsin-Madison	776K775	220,046	

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Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
81.121	Nuclear Energy Research, Development And Demonstration	Pass-through	University Of Wisconsin-Madison Total		220,046	
81.121	Nuclear Energy Research, Development And Demonstration Total				2,345,989	560,170
81.122	Electricity Research, Development And Analysis	Direct	Department Of Energy (DOE)	Various	305,857	200,395
81.122	Electricity Research, Development And Analysis	Direct	Department Of Energy (DOE) Total		305,857	200,395
81.122	Electricity Research, Development And Analysis Total				305,857	200,395
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Florida Agricultural And Mechanical University	C-5000	364,264	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Florida Agricultural And Mechanical University Total		364,264	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Lawrence Livermore National Security, LLC	879DC	388,032	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Lawrence Livermore National Security, LLC Total		388,032	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Los Alamos National Security, LLC	009503	6,729	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Los Alamos National Security, LLC Total		6,729	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Savannah River Nuclear Solutions, LLC	0000456321	127,167	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Savannah River Nuclear Solutions, LLC Total		127,167	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Brookhaven National Laboratory	A17-0695-009	74,133	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Brookhaven National Laboratory	A17-0696-004	226	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Brookhaven National Laboratory	A17-0698-009	171,142	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Brookhaven National Laboratory	A17-0699-009	687,893	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Brookhaven National Laboratory	A17-0700-009	10,842	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Brookhaven National Laboratory	A18-0712-001	29,333	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	Pass-through	Brookhaven National Laboratory Total		973,568	
81.123	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program Total				1,859,761	
81.124	Predictive Science Academic Alliance Program	Pass-through	University Of Utah	10029200-UCB	72,042	
81.124	Predictive Science Academic Alliance Program	Pass-through	University Of Utah Total		72,042	
81.124	Predictive Science Academic Alliance Program Total				72,042	
81.135	Advanced Research Projects Agency - Energy	Direct	Department Of Energy (DOE)	Various	12,280,404	2,214,813
81.135	Advanced Research Projects Agency - Energy	Direct	Department Of Energy (DOE) Total		12,280,404	2,214,813
81.135	Advanced Research Projects Agency - Energy	Pass-through	Carnegie Mellon University	DE-AR0001127	118,126	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Carnegie Mellon University Total		118,126	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Columbia University	4(GG008711)	123,661	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Columbia University Total		123,661	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Endeavor Inc.	046289	81,409	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Endeavor Inc. Total		81,409	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Gas Technology Institute	S492	25,594	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Gas Technology Institute Total		25,594	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Hp Inc.	GSD004813856	53,531	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Hp Inc. Total		53,531	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Ionic Materials, Inc.	5563738	82,104	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Ionic Materials, Inc. Total		82,104	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Johns Hopkins University	89C1G	9,356	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Johns Hopkins University Total		9,356	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Lehigh University	SUB 543891-78002(DE-AR0001073)	23,499	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Lehigh University Total		23,499	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Metropia Inc.	81A60	(347)	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Metropia Inc. Total		(347)	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Nanosd, Inc.	874GF	27	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Nanosd, Inc. Total		27	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Ocean Era, LLC	SUB 1037-003 (DE-AR0001037)	41,455	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Ocean Era, LLC Total		41,455	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Ping Things, Inc.	DE-AR0001104-UCB1	15,181	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Ping Things, Inc. Total		15,181	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Princeton Plasma Physics Laboratory	79487	(565)	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Princeton Plasma Physics Laboratory Total		(565)	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Qromis, Inc.	SUB 20192709(NONE)	62,492	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Qromis, Inc. Total		62,492	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Stanford University	62291108-137893	107,270	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Stanford University Total		107,270	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Colorado Boulder	1557736	375,096	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Colorado Boulder Total		375,096	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Maryland	SUB 80152- Z7064203	104,690	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Maryland Total		104,690	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Michigan	SUBK00009722	7,968	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Michigan	SUBK000010994	65,791	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Michigan Total		73,759	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Missouri	C00069059-1	167,386	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Missouri Total		167,386	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of New Mexico	433623-873R	223,240	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of New Mexico Total		223,240	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Texas-Arlington	26080154061	50,000	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Texas-Arlington Total		50,000	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Wisconsin-Madison	183405383	163,998	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Wisconsin-Madison Total		163,998	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Colorado System	SUB 1554800 (DE-AR0000770)	12,400	
81.135	Advanced Research Projects Agency - Energy	Pass-through	University Of Colorado System Total		12,400	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Fermi Research Alliance, LLC (FRA)	655221	6,582	
81.135	Advanced Research Projects Agency - Energy	Pass-through	Fermi Research Alliance, LLC (FRA) Total		6,582	
81.135	Advanced Research Projects Agency - Energy Total				14,200,350	2,214,813
81.RD		Direct	Department Of Energy (DOE)	7528509	17,303	
81.RD		Direct	Department Of Energy (DOE)	Various	325,433	
81.RD		Direct	Department Of Energy (DOE)	7257699	365,222	
81.RD		Direct	Department Of Energy (DOE)	7385883	325,211	
81.RD		Direct	Department Of Energy (DOE)	7399542	225,716	
81.RD		Direct	Department Of Energy (DOE)	044901	135,127	
81.RD		Direct	Department Of Energy (DOE)	DE-EE0008491	130,628	
81.RD		Direct	Department Of Energy (DOE)	DE-AR0001074	66,616	
81.RD		Direct	Department Of Energy (DOE)	7388280	23,439	
81.RD		Direct	Department Of Energy (DOE)	A18-0390-002	22,177	
81.RD		Direct	Department Of Energy (DOE)	Sub 656411 (none)	12,786	
81.RD		Direct	Department Of Energy (DOE)	7340464	1,395,806	
81.RD		Direct	Department Of Energy (DOE)	7410053	987,724	
81.RD		Direct	Department Of Energy (DOE)	7495288	767,742	
81.RD		Direct	Department Of Energy (DOE)	7450663	709,393	
81.RD		Direct	Department Of Energy (DOE)	DE-AQ02-05CH11231	329,373	

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
81.RD		Direct	Department Of Energy (DOE)	7510743	312,655	
81.RD		Direct	Department Of Energy (DOE)	Sub 7389785 (DE-AC02-		
81.RD		Direct	Department Of Energy (DOE)	05CH11231	306,347	
81.RD		Direct	Department Of Energy (DOE)	7388102	306,021	
81.RD		Direct	Department Of Energy (DOE)	7434501	277,424	
81.RD		Direct	Department Of Energy (DOE)	7315221-02	248,159	
81.RD		Direct	Department Of Energy (DOE)	7421690	245,945	
81.RD		Direct	Department Of Energy (DOE)	7446512	212,297	
81.RD		Direct	Department Of Energy (DOE)	7474271	208,297	
81.RD		Direct	Department Of Energy (DOE)	7497998	206,840	
81.RD		Direct	Department Of Energy (DOE)	7057129	198,300	
81.RD		Direct	Department Of Energy (DOE)	7482952	191,110	
81.RD		Direct	Department Of Energy (DOE)	7398467	188,977	
81.RD		Direct	Department Of Energy (DOE)	7440361	187,703	
81.RD		Direct	Department Of Energy (DOE)	7423243	179,287	
81.RD		Direct	Department Of Energy (DOE)	7248612	174,323	
81.RD		Direct	Department Of Energy (DOE)	6981595 (6817715)	172,433	
81.RD		Direct	Department Of Energy (DOE)	7309277	168,344	
81.RD		Direct	Department Of Energy (DOE)	7452576	160,130	
81.RD		Direct	Department Of Energy (DOE)	7456453	157,232	
81.RD		Direct	Department Of Energy (DOE)	7442641	153,328	
81.RD		Direct	Department Of Energy (DOE)	7268046	149,276	
81.RD		Direct	Department Of Energy (DOE)	7425630	145,743	
81.RD		Direct	Department Of Energy (DOE)	7320296	144,726	
81.RD		Direct	Department Of Energy (DOE)	7523151	142,710	
81.RD		Direct	Department Of Energy (DOE)	7526188	139,992	
81.RD		Direct	Department Of Energy (DOE)	7477879	135,767	
81.RD		Direct	Department Of Energy (DOE)	7382626	132,569	
81.RD		Direct	Department Of Energy (DOE)	7468111	122,291	
81.RD		Direct	Department Of Energy (DOE)	7460026	121,229	
81.RD		Direct	Department Of Energy (DOE)	SUB 7433610(NONE)	121,037	
81.RD		Direct	Department Of Energy (DOE)	7381976	120,583	
81.RD		Direct	Department Of Energy (DOE)	7420345	119,038	
81.RD		Direct	Department Of Energy (DOE)	7384027	118,195	
81.RD		Direct	Department Of Energy (DOE)	7446371	116,291	
81.RD		Direct	Department Of Energy (DOE)	7242955	114,669	
81.RD		Direct	Department Of Energy (DOE)	7388466	111,365	
81.RD		Direct	Department Of Energy (DOE)	Sub 7067968 (DE-AC02-		
81.RD		Direct	Department Of Energy (DOE)	05CH11231	110,756	
81.RD		Direct	Department Of Energy (DOE)	7451474	107,920	
81.RD		Direct	Department Of Energy (DOE)	7423415	104,556	
81.RD		Direct	Department Of Energy (DOE)	7372291	104,216	
81.RD		Direct	Department Of Energy (DOE)	7202212	100,656	
81.RD		Direct	Department Of Energy (DOE)	7468054	97,692	
81.RD		Direct	Department Of Energy (DOE)	7400776	92,501	
81.RD		Direct	Department Of Energy (DOE)	7329930	91,658	
81.RD		Direct	Department Of Energy (DOE)	7381165	88,652	
81.RD		Direct	Department Of Energy (DOE)	7462909	87,844	
81.RD		Direct	Department Of Energy (DOE)	7264139	84,361	
81.RD		Direct	Department Of Energy (DOE)	7463748	77,348	
81.RD		Direct	Department Of Energy (DOE)	7443081	75,457	
81.RD		Direct	Department Of Energy (DOE)	7480283	72,995	
81.RD		Direct	Department Of Energy (DOE)	7488938	70,641	
81.RD		Direct	Department Of Energy (DOE)	7408000	70,511	
81.RD		Direct	Department Of Energy (DOE)	7448981	69,897	
81.RD		Direct	Department Of Energy (DOE)	7462836	68,504	
81.RD		Direct	Department Of Energy (DOE)	7413745	68,312	
81.RD		Direct	Department Of Energy (DOE)	7432125	65,856	
81.RD		Direct	Department Of Energy (DOE)	7413680	64,755	
81.RD		Direct	Department Of Energy (DOE)	7333018	64,714	
81.RD		Direct	Department Of Energy (DOE)	7487651	64,344	
81.RD		Direct	Department Of Energy (DOE)	7307391	60,189	
81.RD		Direct	Department Of Energy (DOE)	7494816	59,829	
81.RD		Direct	Department Of Energy (DOE)	7227709	58,981	
81.RD		Direct	Department Of Energy (DOE)	7321836	58,791	
81.RD		Direct	Department Of Energy (DOE)	7495486	58,257	
81.RD		Direct	Department Of Energy (DOE)	7402487	58,243	
81.RD		Direct	Department Of Energy (DOE)	7325326	55,181	
81.RD		Direct	Department Of Energy (DOE)	7532069	55,165	
81.RD		Direct	Department Of Energy (DOE)	7426154	55,139	
81.RD		Direct	Department Of Energy (DOE)	7318272	51,626	
81.RD		Direct	Department Of Energy (DOE)	7438716	50,783	
81.RD		Direct	Department Of Energy (DOE)	7409472	50,678	
81.RD		Direct	Department Of Energy (DOE)	7333664	50,554	
81.RD		Direct	Department Of Energy (DOE)	7341168	50,489	
81.RD		Direct	Department Of Energy (DOE)	7410958-02	49,908	
81.RD		Direct	Department Of Energy (DOE)	7472218	49,614	
81.RD		Direct	Department Of Energy (DOE)	7500690	49,519	
81.RD		Direct	Department Of Energy (DOE)	7465733	48,901	
81.RD		Direct	Department Of Energy (DOE)	7451221	48,010	
81.RD		Direct	Department Of Energy (DOE)	7225754	47,026	
81.RD		Direct	Department Of Energy (DOE)	7488762	46,832	
81.RD		Direct	Department Of Energy (DOE)	7466140	46,717	
81.RD		Direct	Department Of Energy (DOE)	7320514	46,377	
81.RD		Direct	Department Of Energy (DOE)	7388168	44,810	
81.RD		Direct	Department Of Energy (DOE)	7351011	44,520	
81.RD		Direct	Department Of Energy (DOE)	7306856	42,701	
81.RD		Direct	Department Of Energy (DOE)	7370840	42,046	
81.RD		Direct	Department Of Energy (DOE)	7501998	40,000	
81.RD		Direct	Department Of Energy (DOE)	7213159	39,880	
81.RD		Direct	Department Of Energy (DOE)	7203202	39,475	
81.RD		Direct	Department Of Energy (DOE)	7465827	39,332	
81.RD		Direct	Department Of Energy (DOE)	7439605	39,268	
81.RD		Direct	Department Of Energy (DOE)	7375862	38,557	
81.RD		Direct	Department Of Energy (DOE)	7442315	38,506	
81.RD		Direct	Department Of Energy (DOE)	7388969	38,098	
81.RD		Direct	Department Of Energy (DOE)	7446868	37,208	
81.RD		Direct	Department Of Energy (DOE)	7477268	36,760	
81.RD		Direct	Department Of Energy (DOE)	7525598	36,407	
81.RD		Direct	Department Of Energy (DOE)	7375052	36,244	
81.RD		Direct	Department Of Energy (DOE)	7424343	36,000	
81.RD		Direct	Department Of Energy (DOE)	7480097	35,731	
81.RD		Direct	Department Of Energy (DOE)	7353372	35,674	
81.RD		Direct	Department Of Energy (DOE)	7249113	34,220	
81.RD		Direct	Department Of Energy (DOE)	7428037	33,882	
81.RD		Direct	Department Of Energy (DOE)	7443823	33,567	
81.RD		Direct	Department Of Energy (DOE)	7516079	33,204	
81.RD		Direct	Department Of Energy (DOE)	7423445	33,039	
81.RD		Direct	Department Of Energy (DOE)	7262544	32,277	
81.RD		Direct	Department Of Energy (DOE)	7359542	31,925	
81.RD		Direct	Department Of Energy (DOE)	7517258	31,859	
81.RD		Direct	Department Of Energy (DOE)	7497071	31,845	
81.RD		Direct	Department Of Energy (DOE)	7343496	31,825	
81.RD		Direct	Department Of Energy (DOE)	7307471	31,809	
81.RD		Direct	Department Of Energy (DOE)	7419865	31,745	
81.RD		Direct	Department Of Energy (DOE)	7510083	31,095	
81.RD		Direct	Department Of Energy (DOE)	7464076	30,817	
81.RD		Direct	Department Of Energy (DOE)	7518952	30,444	
81.RD		Direct	Department Of Energy (DOE)	7428321	29,897	
81.RD		Direct	Department Of Energy (DOE)	7440560	29,823	
81.RD		Direct	Department Of Energy (DOE)	7488063	28,792	

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
81.RD		Direct	Department Of Energy (DOE)	7514118	27,445	
81.RD		Direct	Department Of Energy (DOE)	7410771	27,186	
81.RD		Direct	Department Of Energy (DOE)	7320509	26,644	
81.RD		Direct	Department Of Energy (DOE)	7266240	25,561	
81.RD		Direct	Department Of Energy (DOE)	7416793	25,458	
81.RD		Direct	Department Of Energy (DOE)	7447221	25,020	
81.RD		Direct	Department Of Energy (DOE)	7453998	24,884	
81.RD		Direct	Department Of Energy (DOE)	7266072	24,601	
81.RD		Direct	Department Of Energy (DOE)	7423696	23,747	
81.RD		Direct	Department Of Energy (DOE)	7500685	23,726	
81.RD		Direct	Department Of Energy (DOE)	7403375	23,422	
81.RD		Direct	Department Of Energy (DOE)	7531513	23,168	
81.RD		Direct	Department Of Energy (DOE)	7529060	23,040	
81.RD		Direct	Department Of Energy (DOE)	7320455	22,978	
81.RD		Direct	Department Of Energy (DOE)	7508359	22,976	
81.RD		Direct	Department Of Energy (DOE)	7444601	22,740	
81.RD		Direct	Department Of Energy (DOE)	7382366	22,352	
81.RD		Direct	Department Of Energy (DOE)	7473430	22,228	
81.RD		Direct	Department Of Energy (DOE)	7405880	21,676	
81.RD		Direct	Department Of Energy (DOE)	7317887	21,579	
81.RD		Direct	Department Of Energy (DOE)	7452088	21,516	
81.RD		Direct	Department Of Energy (DOE)	7375998	21,197	
81.RD		Direct	Department Of Energy (DOE)	7487661	21,185	
81.RD		Direct	Department Of Energy (DOE)	7472769	20,935	
81.RD		Direct	Department Of Energy (DOE)	7423242	20,742	
81.RD		Direct	Department Of Energy (DOE)	7489866	20,634	
81.RD		Direct	Department Of Energy (DOE)	7212896	20,390	
81.RD		Direct	Department Of Energy (DOE)	7100483	19,765	
81.RD		Direct	Department Of Energy (DOE)	7351272	19,759	
81.RD		Direct	Department Of Energy (DOE)	7484479	19,688	
81.RD		Direct	Department Of Energy (DOE)	7504135	19,612	
81.RD		Direct	Department Of Energy (DOE)	7399633	19,608	
81.RD		Direct	Department Of Energy (DOE)	7331912	19,525	
81.RD		Direct	Department Of Energy (DOE)	7207174	18,538	
81.RD		Direct	Department Of Energy (DOE)	7442704	18,521	
81.RD		Direct	Department Of Energy (DOE)	7491767	18,391	
81.RD		Direct	Department Of Energy (DOE)	7524619	18,171	
81.RD		Direct	Department Of Energy (DOE)	7448096	18,145	
81.RD		Direct	Department Of Energy (DOE)	7202740	17,435	
81.RD		Direct	Department Of Energy (DOE)	7448416	16,837	
81.RD		Direct	Department Of Energy (DOE)	7525138	16,210	
81.RD		Direct	Department Of Energy (DOE)	7328881	16,074	
81.RD		Direct	Department Of Energy (DOE)	7440082	16,016	
81.RD		Direct	Department Of Energy (DOE)	7432152	15,991	
81.RD		Direct	Department Of Energy (DOE)	7522012	15,945	
81.RD		Direct	Department Of Energy (DOE)	7478166	15,900	
81.RD		Direct	Department Of Energy (DOE)	7309154	15,642	
81.RD		Direct	Department Of Energy (DOE)	7406572	15,475	
81.RD		Direct	Department Of Energy (DOE)	7385996	15,200	
81.RD		Direct	Department Of Energy (DOE)	7346227	15,151	
81.RD		Direct	Department Of Energy (DOE)	7211853	15,005	
81.RD		Direct	Department Of Energy (DOE)	7522822	14,962	
81.RD		Direct	Department Of Energy (DOE)	7307581	14,845	
81.RD		Direct	Department Of Energy (DOE)	7446630	14,701	
81.RD		Direct	Department Of Energy (DOE)	7531450	14,620	
81.RD		Direct	Department Of Energy (DOE)	7441675	14,193	
81.RD		Direct	Department Of Energy (DOE)	7478735	13,969	
81.RD		Direct	Department Of Energy (DOE)	7117828	13,935	
81.RD		Direct	Department Of Energy (DOE)	7267410	13,619	
81.RD		Direct	Department Of Energy (DOE)	7429256	13,559	
81.RD		Direct	Department Of Energy (DOE)	7367425	13,388	
81.RD		Direct	Department Of Energy (DOE)	7069014	12,300	
81.RD		Direct	Department Of Energy (DOE)	7518941	12,169	
81.RD		Direct	Department Of Energy (DOE)	7527814	11,661	
81.RD		Direct	Department Of Energy (DOE)	7528113	11,609	
81.RD		Direct	Department Of Energy (DOE)	7447610	11,400	
81.RD		Direct	Department Of Energy (DOE)	7417049	11,373	
81.RD		Direct	Department Of Energy (DOE)	7513877	10,931	
81.RD		Direct	Department Of Energy (DOE)	7531158	10,871	
81.RD		Direct	Department Of Energy (DOE)	7531079	10,234	
81.RD		Direct	Department Of Energy (DOE)	7307580	10,138	
81.RD		Direct	Department Of Energy (DOE)	7242684	10,085	
81.RD		Direct	Department Of Energy (DOE)	7455421	10,052	
81.RD		Direct	Department Of Energy (DOE)	7448842	9,688	
81.RD		Direct	Department Of Energy (DOE)	7439643	9,624	
81.RD		Direct	Department Of Energy (DOE)	7458260	9,506	
81.RD		Direct	Department Of Energy (DOE)	7478941	9,543	
81.RD		Direct	Department Of Energy (DOE)	7339721	9,402	
81.RD		Direct	Department Of Energy (DOE)	7529681	9,316	
81.RD		Direct	Department Of Energy (DOE)	7531613	9,313	
81.RD		Direct	Department Of Energy (DOE)	7275070	8,807	
81.RD		Direct	Department Of Energy (DOE)	7502763	8,805	
81.RD		Direct	Department Of Energy (DOE)	7441342	8,360	
81.RD		Direct	Department Of Energy (DOE)	7448092	8,352	
81.RD		Direct	Department Of Energy (DOE)	7515300	8,040	
81.RD		Direct	Department Of Energy (DOE)	7483717	7,973	
81.RD		Direct	Department Of Energy (DOE)	7099793	7,566	
81.RD		Direct	Department Of Energy (DOE)	7489394	7,471	
81.RD		Direct	Department Of Energy (DOE)	7486614	7,280	
81.RD		Direct	Department Of Energy (DOE)	7517238	7,196	
81.RD		Direct	Department Of Energy (DOE)	7486305	7,167	
81.RD		Direct	Department Of Energy (DOE)	7383175	7,003	
81.RD		Direct	Department Of Energy (DOE)	7263187	6,635	
81.RD		Direct	Department Of Energy (DOE)	7532337	6,148	
81.RD		Direct	Department Of Energy (DOE)	7498889	6,067	
81.RD		Direct	Department Of Energy (DOE)	7532201	6,037	
81.RD		Direct	Department Of Energy (DOE)	7471178	5,417	
81.RD		Direct	Department Of Energy (DOE)	7323728	5,308	
81.RD		Direct	Department Of Energy (DOE)	7521356	5,203	
81.RD		Direct	Department Of Energy (DOE)	7399268	4,969	
81.RD		Direct	Department Of Energy (DOE)	7501285	4,463	
81.RD		Direct	Department Of Energy (DOE)	7443472	4,420	
81.RD		Direct	Department Of Energy (DOE)	7311439	4,293	
81.RD		Direct	Department Of Energy (DOE)	7267343	4,152	
81.RD		Direct	Department Of Energy (DOE)	7519992	4,136	
81.RD		Direct	Department Of Energy (DOE)	7533900	3,777	
81.RD		Direct	Department Of Energy (DOE)	7527462	3,489	
81.RD		Direct	Department Of Energy (DOE)	7238104	3,352	
81.RD		Direct	Department Of Energy (DOE)	7442422	3,161	
81.RD		Direct	Department Of Energy (DOE)	7429807	2,999	
81.RD		Direct	Department Of Energy (DOE)	7370706	2,901	
81.RD		Direct	Department Of Energy (DOE)	7434187	2,520	
81.RD		Direct	Department Of Energy (DOE)	7474986	2,226	
81.RD		Direct	Department Of Energy (DOE)	7321416	2,122	
81.RD		Direct	Department Of Energy (DOE)	7320508	2,020	
81.RD		Direct	Department Of Energy (DOE)	7514559	1,833	
81.RD		Direct	Department Of Energy (DOE)	7480639	1,798	
81.RD		Direct	Department Of Energy (DOE)	7275521	1,638	
81.RD		Direct	Department Of Energy (DOE)	7277291	1,271	
81.RD		Direct	Department Of Energy (DOE)	7432864	1,269	
81.RD		Direct	Department Of Energy (DOE)	7416674	658	

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
81.RD		Direct	Department Of Energy (DOE)	7340960	581	
81.RD		Direct	Department Of Energy (DOE)	7306814	535	
81.RD		Direct	Department Of Energy (DOE)	7499356	336	
81.RD		Direct	Department Of Energy (DOE)	7392148	316	
81.RD		Direct	Department Of Energy (DOE)	7515392	224	
81.RD		Direct	Department Of Energy (DOE)	7509646	114	
81.RD		Direct	Department Of Energy (DOE)	7371137	37	
81.RD		Direct	Department Of Energy (DOE)	7211926	1	
81.RD		Direct	Department Of Energy (DOE)	7530190		
81.RD		Direct	Department Of Energy (DOE)	7446461	(241)	
81.RD		Direct	Department Of Energy (DOE)	7373571	(309)	
81.RD		Direct	Department Of Energy (DOE)	7100747	(2,317)	
81.RD		Direct	Department Of Energy (DOE)	7432862	(4,737)	
81.RD		Direct	Department Of Energy (DOE)	7350365-2	(30,920)	
81.RD		Direct	Department Of Energy (DOE)	010723	180,115	
81.RD		Direct	Department Of Energy (DOE)	011166	3,079	
81.RD		Direct	Department Of Energy (DOE)	DE-FG02-04ER54738	451,650	
81.RD		Direct	Department Of Energy (DOE) Total		18,756,084	
81.RD		Pass-through	Advanced Research Corporation	17335	41,271	
81.RD		Pass-through	Advanced Research Corporation Total		41,271	
81.RD		Pass-through	Aerodyne Research, Inc.	ARI 11293-3	149,208	
81.RD		Pass-through	Aerodyne Research, Inc. Total		149,208	
81.RD		Pass-through	Alliance For Sustainable Energy, LLC	010616	50,000	
81.RD		Pass-through	Alliance For Sustainable Energy, LLC Total		50,000	
81.RD		Pass-through	Ames Laboratory	SC-18-474	88,277	
81.RD		Pass-through	Ames Laboratory Total		88,277	
81.RD		Pass-through	Argonne National Laboratory	010343	22,217	
81.RD		Pass-through	Argonne National Laboratory	010921	21,352	
81.RD		Pass-through	Argonne National Laboratory	011087	58,895	
81.RD		Pass-through	Argonne National Laboratory	011089	38,875	
81.RD		Pass-through	Argonne National Laboratory	6F-30603	158,054	
81.RD		Pass-through	Argonne National Laboratory	7F-30219	86,176	
81.RD		Pass-through	Argonne National Laboratory	87320	11,312	
81.RD		Pass-through	Argonne National Laboratory	87B54	147,932	
81.RD		Pass-through	Argonne National Laboratory	8F-30225	71,489	
81.RD		Pass-through	Argonne National Laboratory	9F-60022	48,350	
81.RD		Pass-through	Argonne National Laboratory	9F-60030	144,294	
81.RD		Pass-through	Argonne National Laboratory Total		899,546	
81.RD		Pass-through	Center For Energy And Environment	201602545	(2,165)	
81.RD		Pass-through	Center For Energy And Environment Total		(2,165)	
81.RD		Pass-through	Digital Promise Global	DP-208459	123,890	
81.RD		Pass-through	Digital Promise Global Total		123,890	
81.RD		Pass-through	Eastern Research Group, Inc.	010996	1,191	
81.RD		Pass-through	Eastern Research Group, Inc.	011041	24,729	
81.RD		Pass-through	Eastern Research Group, Inc.	011084	21,568	
81.RD		Pass-through	Eastern Research Group, Inc.	011298	49,450	
81.RD		Pass-through	Eastern Research Group, Inc. Total		96,939	
81.RD		Pass-through	Fuel Cell Energy Inc.	F720180001S2	119,527	
81.RD		Pass-through	Fuel Cell Energy Inc. Total		119,527	
81.RD		Pass-through	General Atomics	87D45	12,508	
81.RD		Pass-through	General Atomics	SUB 4500060525(DE-FC02-04ER546	108,095	
81.RD		Pass-through	General Atomics Total		120,603	
81.RD		Pass-through	Global Algae Innovations	87C08	80,244	
81.RD		Pass-through	Global Algae Innovations Total		80,244	
81.RD		Pass-through	Idaho National Laboratory	193494	34,000	
81.RD		Pass-through	Idaho National Laboratory	221765	93,869	
81.RD		Pass-through	Idaho National Laboratory Total		127,869	
81.RD		Pass-through	Jefferson Science Associates, LLC	011527	28,071	
81.RD		Pass-through	Jefferson Science Associates, LLC Total		28,071	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	87D4C	21,441	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	A20-3626	10,142	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B621286	19,868	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B624727	27,436	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B627271-CYC3	28,318	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B628407	221,481	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B628415	54,414	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B628440	23,398	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B629922	35,852	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B630058	19,651	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B632083	280,537	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B632242	272,745	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B632305	39,794	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B632535	14,799	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B632718	58,867	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B632745	30,784	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B632788	5,891	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B633183	74,288	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B633349	28,718	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B634186	9,420	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B634267	35,826	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B634802	84,172	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B634887	61,624	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B637960	44,650	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B638227	125,864	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B638362	35,551	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B638372	76,405	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B638422	43,985	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B638423	63,872	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B638425	3,726	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B638620	85,167	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B639345	62,058	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	B639667	34,306	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	SUB B6221711 (DE-AC52-07NA27344	16,444	
81.RD		Pass-through	Lawrence Livermore National Security, LLC	SUB B639340 (B23353)	93,505	
81.RD		Pass-through	Lawrence Livermore National Security, LLC Total		2,124,020	
81.RD		Pass-through	Los Alamos National Security, LLC	351438	17,807	
81.RD		Pass-through	Los Alamos National Security, LLC	520385	151,528	
81.RD		Pass-through	Los Alamos National Security, LLC	DE-AC52-06NA25396	14,386	
81.RD		Pass-through	Los Alamos National Security, LLC	SUB 351623 (DEAC52-06NA25396)	1,169,914	
81.RD		Pass-through	Los Alamos National Security, LLC Total		1,353,635	
81.RD		Pass-through	Midwest Research Inst	XGJ-7-62614-01	285,181	
81.RD		Pass-through	Midwest Research Inst Total		285,181	
81.RD		Pass-through	Mission Support And Test Services LLC	SUB 20194613(NONE)	124,564	
81.RD		Pass-through	Mission Support And Test Services LLC Total		124,564	
81.RD		Pass-through	National Writing Project	77350	3,795	
81.RD		Pass-through	National Writing Project Total		3,795	
81.RD		Pass-through	Oak Ridge National Laboratory	008531	77,703	
81.RD		Pass-through	Oak Ridge National Laboratory	010137	149,128	
81.RD		Pass-through	Oak Ridge National Laboratory	011164	55,908	
81.RD		Pass-through	Oak Ridge National Laboratory	4000139641	40,734	
81.RD		Pass-through	Oak Ridge National Laboratory	4000151688	124,249	
81.RD		Pass-through	Oak Ridge National Laboratory	4000156470	98,352	
81.RD		Pass-through	Oak Ridge National Laboratory	4000158037	37,712	
81.RD		Pass-through	Oak Ridge National Laboratory	4000158675	132,271	
81.RD		Pass-through	Oak Ridge National Laboratory	4000164804	29,492	
81.RD		Pass-through	Oak Ridge National Laboratory	4000164960	137,284	
81.RD		Pass-through	Oak Ridge National Laboratory	4000167628	75,220	
81.RD		Pass-through	Oak Ridge National Laboratory	4000168298	99,206	

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81 RD		Pass-through	Oak Ridge National Laboratory	4000171188	496,366	
81 RD		Pass-through	Oak Ridge National Laboratory	4000175188	31,159	
81 RD		Pass-through	Oak Ridge National Laboratory	86585	(3,523)	
81 RD		Pass-through	Oak Ridge National Laboratory	DE-AC05-00OR22725	143,709	
81 RD		Pass-through	Oak Ridge National Laboratory	Various	9,776	
81 RD		Pass-through	Oak Ridge National Laboratory Total		1,734,747	
81 RD		Pass-through	Pacific Northwest National Laboratories	010696	107,861	
81 RD		Pass-through	Pacific Northwest National Laboratories	011213	41,565	
81 RD		Pass-through	Pacific Northwest National Laboratories	011284	85,622	
81 RD		Pass-through	Pacific Northwest National Laboratories	440551	203,767	
81 RD		Pass-through	Pacific Northwest National Laboratories	445977	105,278	
81 RD		Pass-through	Pacific Northwest National Laboratories	455500	364,853	
81 RD		Pass-through	Pacific Northwest National Laboratories	476695	15,131	
81 RD		Pass-through	Pacific Northwest National Laboratories	490521	45,709	
81 RD		Pass-through	Pacific Northwest National Laboratories	500186	61,982	
81 RD		Pass-through	Pacific Northwest National Laboratories	508509	495	
81 RD		Pass-through	Pacific Northwest National Laboratories	DE-AC05-76RL01830	45,399	
81 RD		Pass-through	Pacific Northwest National Laboratories Total		1,077,661	
81 RD		Pass-through	Princeton Plasma Physics Laboratory	S017389	38,676	
81 RD		Pass-through	Princeton Plasma Physics Laboratory Total		38,676	
81 RD		Pass-through	Sandia National Laboratories	1655264	24,461	
81 RD		Pass-through	Sandia National Laboratories	1742701	91,754	
81 RD		Pass-through	Sandia National Laboratories	1744159	2,945	
81 RD		Pass-through	Sandia National Laboratories	1772593	223,723	
81 RD		Pass-through	Sandia National Laboratories	1786332	159,869	
81 RD		Pass-through	Sandia National Laboratories	1838273	25,656	
81 RD		Pass-through	Sandia National Laboratories	1850573	49,472	
81 RD		Pass-through	Sandia National Laboratories	1953622	48,068	
81 RD		Pass-through	Sandia National Laboratories	1976904	104,722	
81 RD		Pass-through	Sandia National Laboratories	1979920	39,244	
81 RD		Pass-through	Sandia National Laboratories	1985070	66,342	
81 RD		Pass-through	Sandia National Laboratories	1985350	15,620	
81 RD		Pass-through	Sandia National Laboratories	1988051	68,151	
81 RD		Pass-through	Sandia National Laboratories	1995400	36,295	
81 RD		Pass-through	Sandia National Laboratories	2051264	45,001	
81 RD		Pass-through	Sandia National Laboratories	2061550	91,592	
81 RD		Pass-through	Sandia National Laboratories	2098554	684	
81 RD		Pass-through	Sandia National Laboratories	2101705	49,066	
81 RD		Pass-through	Sandia National Laboratories	2113318	25,000	
81 RD		Pass-through	Sandia National Laboratories	77823	7,599	
81 RD		Pass-through	Sandia National Laboratories	80C72	10,980	
81 RD		Pass-through	Sandia National Laboratories	873AG	126,348	
81 RD		Pass-through	Sandia National Laboratories	87D70	2,728	
81 RD		Pass-through	Sandia National Laboratories	PO 2081583	43,866	
81 RD		Pass-through	Sandia National Laboratories	SUB 2004104 (NONE)	128,526	
81 RD		Pass-through	Sandia National Laboratories Total		1,487,713	
81 RD		Pass-through	Slac National Accelerator Laboratory	187775	41,681	
81 RD		Pass-through	Slac National Accelerator Laboratory Total		41,681	
81 RD		Pass-through	Solid Power, Inc.	SUB SC-SP01-718 (DE-EE0008861)	116,662	
81 RD		Pass-through	Solid Power, Inc. Total		116,662	
81 RD		Pass-through	Triad National Security, LLC	520117	80,371	
81 RD		Pass-through	Triad National Security, LLC	523272	16,695	
81 RD		Pass-through	Triad National Security, LLC	530587	186,222	
81 RD		Pass-through	Triad National Security, LLC Total		283,288	
81 RD		Pass-through	University Of Pittsburgh	AWD00000095-CYC1	29,838	
81 RD		Pass-through	University Of Pittsburgh Total		29,838	
81 RD		Pass-through	Brookhaven National Laboratory	366357	16,529	
81 RD		Pass-through	Brookhaven National Laboratory	367042	127,499	
81 RD		Pass-through	Brookhaven National Laboratory	39554	186,455	
81 RD		Pass-through	Brookhaven National Laboratory	63913	314,979	
81 RD		Pass-through	Brookhaven National Laboratory Total		645,462	
81 RD		Pass-through	Fermi Research Alliance, LLC (FRA)	553611	24,884	
81 RD		Pass-through	Fermi Research Alliance, LLC (FRA)	633923	17,593	
81 RD		Pass-through	Fermi Research Alliance, LLC (FRA)	657498	87,966	
81 RD		Pass-through	Fermi Research Alliance, LLC (FRA)	DE-AC02-07CH11359	45,754	
81 RD		Pass-through	Fermi Research Alliance, LLC (FRA)	DE-AC02-07CH11359	75,663	
81 RD		Pass-through	Fermi Research Alliance, LLC (FRA) Total		251,860	
81 RD		Pass-through	Universities Research Association	59788	(8,803)	
81 RD		Pass-through	Universities Research Association Total		(8,803)	
81 RD	Total				30,179,343	
84.015	National Resource Centers Program For Foreign Language And Area Studies Or Foreign Language And International Studies Program And Foreign Language And Area Studies Fellowship Program	Direct	Department Of Education (ED)	Various	1,429,285	3,750
84.015	National Resource Centers Program For Foreign Language And Area Studies Or Foreign Language And International Studies Program And Foreign Language And Area Studies Fellowship Program	Direct	Department Of Education (ED) Total		1,429,285	3,750
84.015	National Resource Centers Program For Foreign Language And Area Studies Or Foreign Language And International Studies Program And Foreign Language And Area Studies Fellowship Program Total				1,429,285	3,750
84.022	Overseas Programs - Doctoral Dissertation Research Abroad	Direct	Department Of Education (ED)	Various	86,450	
84.022	Overseas Programs - Doctoral Dissertation Research Abroad	Direct	Department Of Education (ED) Total		86,450	
84.022	Overseas Programs - Doctoral Dissertation Research Abroad Total				86,450	
84.031	Higher Education Institutional Aid	Direct	Department Of Education (ED)	Various	918,054	
84.031	Higher Education Institutional Aid	Direct	Department Of Education (ED) Total		918,054	
84.031	Higher Education Institutional Aid Total				918,054	
84.116	Fund For The Improvement Of Postsecondary Education	Direct	Department Of Education (ED)	Various	306,246	(242,662)
84.116	Fund For The Improvement Of Postsecondary Education	Direct	Department Of Education (ED) Total		306,246	(242,662)
84.116	Fund For The Improvement Of Postsecondary Education	Pass-through	Georgia State University	008047	19,692	
84.116	Fund For The Improvement Of Postsecondary Education	Pass-through	Georgia State University	86631	71,548	
84.116	Fund For The Improvement Of Postsecondary Education	Pass-through	Georgia State University Total		91,240	
84.116	Fund For The Improvement Of Postsecondary Education Total				397,486	(242,662)
84.200	Graduate Assistance In Areas Of National Need	Direct	Department Of Education (ED)	Various	403,261	
84.200	Graduate Assistance In Areas Of National Need	Direct	Department Of Education (ED) Total		403,261	
84.200	Graduate Assistance In Areas Of National Need Total				403,261	
84.287	Twenty-First Century Community Learning Centers	Pass-through	California Department Of Education	16-14349-3001-9A	33,909	45,370
84.287	Twenty-First Century Community Learning Centers	Pass-through	California Department Of Education	19-14349-30010-2A	332,763	201,786
84.287	Twenty-First Century Community Learning Centers	Pass-through	California Department Of Education	1914765300102A	2,778	
84.287	Twenty-First Century Community Learning Centers	Pass-through	California Department Of Education Total		369,449	247,156
84.287	Twenty-First Century Community Learning Centers Total				369,449	247,156
84.305	Education Research, Development And Dissemination	Direct	Department Of Education (ED)	Various	7,817,444	1,269,132
84.305	Education Research, Development And Dissemination	Direct	Department Of Education (ED) Total		7,817,444	1,269,132
84.305	Education Research, Development And Dissemination	Pass-through	Arizona State University/Tempe	77498	55,158	
84.305	Education Research, Development And Dissemination	Pass-through	Arizona State University/Tempe Total		55,158	
84.305	Education Research, Development And Dissemination	Pass-through	Columbia University	1(GG014056)	80,088	
84.305	Education Research, Development And Dissemination	Pass-through	Columbia University Total		80,088	

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84.305	Education Research, Development And Dissemination	Pass-through	Educational Testing Service	UCLA-ED-305A-01	30,821	
84.305	Education Research, Development And Dissemination	Pass-through	Educational Testing Service Total		30,821	
84.305	Education Research, Development And Dissemination	Pass-through	Harvard University	108135-5099346	29,347	
84.305	Education Research, Development And Dissemination	Pass-through	Harvard University Total		29,347	
84.305	Education Research, Development And Dissemination	Pass-through	Literacy Design Collaborative, Inc	20145515	323,116	
84.305	Education Research, Development And Dissemination	Pass-through	Literacy Design Collaborative, Inc Total		323,116	
84.305	Education Research, Development And Dissemination	Pass-through	Mindset Works, Inc.	201500250	302,860	
84.305	Education Research, Development And Dissemination	Pass-through	Mindset Works, Inc. Total		302,860	
84.305	Education Research, Development And Dissemination	Pass-through	New York University	F0959-02	93,290	
84.305	Education Research, Development And Dissemination	Pass-through	New York University Total		93,290	
84.305	Education Research, Development And Dissemination	Pass-through	Rand Corporation	9920180118-CYC1	32,727	
84.305	Education Research, Development And Dissemination	Pass-through	Rand Corporation Total		32,727	
84.305	Education Research, Development And Dissemination	Pass-through	University Of Chicago	AWD100044 (SUB00000047)-CYC1	95,652	
84.305	Education Research, Development And Dissemination	Pass-through	University Of Chicago	FP064959-01-PR	121,568	
84.305	Education Research, Development And Dissemination	Pass-through	University Of Chicago Total		217,220	
84.305	Education Research, Development And Dissemination	Pass-through	University Of South Carolina	15-2906	37,723	
84.305	Education Research, Development And Dissemination	Pass-through	University Of South Carolina Total		37,723	
84.305	Education Research, Development And Dissemination	Pass-through	Washington State University	27135	(1,592)	
84.305	Education Research, Development And Dissemination	Pass-through	Washington State University Total		(1,592)	
84.305	Education Research, Development And Dissemination	Pass-through	Wested	S-00016176	315,061	
84.305	Education Research, Development And Dissemination	Pass-through	Wested Total		315,061	
84.305	Education Research, Development And Dissemination Total				9,333,263	1,269,132
84.324	Research In Special Education	Direct	Department Of Education (ED)	Various	2,140,619	979,911
84.324	Research In Special Education	Direct	Department Of Education (ED) Total		2,140,619	979,911
84.324	Research In Special Education	Pass-through	California State University, San Diego State University	R324A190076	97,321	
84.324	Research In Special Education	Pass-through	California State University, San Diego State University Total		97,321	
84.324	Research In Special Education	Pass-through	Lawrence Livermore National Security, LLC	B620630-2	71,979	
84.324	Research In Special Education	Pass-through	Lawrence Livermore National Security, LLC Total		71,979	
84.324	Research In Special Education	Pass-through	University Of Michigan	3003847265-CYC2	93,399	
84.324	Research In Special Education	Pass-through	University Of Michigan Total		93,399	
84.324	Research In Special Education	Pass-through	University Of Virginia	R324A180221	14,237	
84.324	Research In Special Education	Pass-through	University Of Virginia Total		14,237	
84.324	Research In Special Education Total				2,417,554	979,911
84.324	COVID-19 - Research In Special Education	Direct	Department Of Education (ED)	Various	243,645	
84.324	COVID-19 - Research In Special Education	Direct	Department Of Education (ED) Total		243,645	
84.324	COVID-19 - Research In Special Education Total				243,645	
84.325	Special Education - Personnel Development To Improve Services And Results For Children With Disabilities	Direct	Department Of Education (ED)	Various	164,282	
84.325	Special Education - Personnel Development To Improve Services And Results For Children With Disabilities	Direct	Department Of Education (ED) Total		164,282	
84.325	Special Education - Personnel Development To Improve Services And Results For Children With Disabilities Total				164,282	
84.326	Special Education Technical Assistance And Dissemination To Improve Services And Results For Children With Disabilities	Direct	Department Of Education (ED)	Various	78,701	
84.326	Special Education Technical Assistance And Dissemination To Improve Services And Results For Children With Disabilities	Direct	Department Of Education (ED) Total		78,701	
84.326	Special Education Technical Assistance And Dissemination To Improve Services And Results For Children With Disabilities Total				78,701	
84.334	Gaining Early Awareness And Readiness For Undergraduate Programs	Direct	Department Of Education (ED)	Various	2,634,464	
84.334	Gaining Early Awareness And Readiness For Undergraduate Programs	Direct	Department Of Education (ED) Total		2,634,464	
84.334	Gaining Early Awareness And Readiness For Undergraduate Programs Total				2,634,464	
84.365	English Language Acquisition State Grants	Direct	Department Of Education (ED)	Various	630,540	
84.365	English Language Acquisition State Grants	Direct	Department Of Education (ED) Total		630,540	
84.365	English Language Acquisition State Grants	Pass-through	Pennsylvania State University	SUB 5590-UCSD-USDE-0311 (T3652)	99,308	
84.365	English Language Acquisition State Grants	Pass-through	Pennsylvania State University Total		99,308	
84.365	English Language Acquisition State Grants	Pass-through	Santa Clara University	A18-0382-002	66,286	
84.365	English Language Acquisition State Grants	Pass-through	Santa Clara University Total		66,286	
84.365	English Language Acquisition State Grants Total				796,135	
84.366	Mathematics And Science Partnerships	Direct	Department Of Energy (DOE)	18315	19,971	
84.366	Mathematics And Science Partnerships	Direct	Department Of Energy (DOE) Total		19,971	
84.366	Mathematics And Science Partnerships	Pass-through	Oakland Unified School District	048017	3,082	
84.366	Mathematics And Science Partnerships	Pass-through	Oakland Unified School District Total		3,082	
84.366	Mathematics And Science Partnerships Total				23,054	
84.367	Supporting Effective Instruction State Grants	Direct	Department Of Education (ED)	Various	80,292	
84.367	Supporting Effective Instruction State Grants	Direct	Department Of Education (ED) Total		80,292	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education	ESSA18-CRLP-UCB	30,153	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Total		30,153	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA18-CMP-UCSB	8,533	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA18-CSP-UCSB	61	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA18-CWLP-UCB	25,200	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA18-CWP-UCB	32,772	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA18-CWP-UCI-CYC1	(104)	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA19-CHSP-UCI	45,000	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA19-CMP-UCSB	11,127	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA19-CSP-UCSB	34,990	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA19-CWLP-UCB	32,000	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA19-CWP-UCB	39,082	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA19-CWP-UCI	28,362	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA19-CWP-UCSB	32,461	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction Total		289,485	
84.367	Supporting Effective Instruction State Grants	Pass-through	U.S. Department Of Education Miscellaneous Agencies	011059	55,382	
84.367	Supporting Effective Instruction State Grants	Pass-through	U.S. Department Of Education Miscellaneous Agencies Total		55,382	
84.367	Supporting Effective Instruction State Grants Total				455,313	
84.368	Competitive Grants For State Assessments (Formerly Grants For Enhanced Assessment Instruments)	Pass-through	Council Of Chief State School Officers	20193963	15,014	
84.368	Competitive Grants For State Assessments (Formerly Grants For Enhanced Assessment Instruments)	Pass-through	Council Of Chief State School Officers Total		15,014	
84.368	Competitive Grants For State Assessments (Formerly Grants For Enhanced Assessment Instruments) Total				15,014	
84.411	Education Innovation And Research (Formerly Investing In Innovation (I3))	Direct	Department Of Education (ED)	Various	2,052,263	(6,040)
84.411	Education Innovation And Research (Formerly Investing In Innovation (I3))	Direct	Department Of Education (ED) Total		2,052,263	(6,040)
84.411	Education Innovation And Research (Formerly Investing In Innovation (I3))	Pass-through	National Math And Science Initiative, Inc.	20160003	639,244	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
84.411	Education Innovation And Research (Formerly Investing In Innovation (I3))	Pass-through	National Math And Science Initiative, Inc. Total		639,244	
84.411	Education Innovation And Research (Formerly Investing In Innovation (I3)) Total				2,691,507	(6,040)
84.423	Supporting Effective Educator Development Program	Pass-through	University Of Kansas/KU Center For Research, Inc.	SUB FY2019-055 (U423A180029)	56,238	
84.423	Supporting Effective Educator Development Program	Pass-through	University Of Kansas/KU Center For Research, Inc. Total		56,238	
84.423	Supporting Effective Educator Development Program Total				56,238	
84.RD		Pass-through	California Department Of Education Curriculum And Instruction	ESSA18-CWP-UCSB	1,620	
84.RD		Pass-through	California Department Of Education Curriculum And Instruction Total		1,620	
84.RD	Total				1,620	
85.601	Smithsonian Institution Fellowship Program	Direct	Smithsonian		(14,343)	
85.601	Smithsonian Institution Fellowship Program	Direct	Smithsonian Total		(14,343)	
85.601	Smithsonian Institution Fellowship Program Total				(14,343)	
85.802	Fellowship Program	Direct	Millenium Challenge Corporation	Various	(1,413)	
85.802	Fellowship Program	Direct	Millenium Challenge Corporation Total		(1,413)	
85.802	Fellowship Program Total				(1,413)	
89.003	National Historical Publications And Records Grants	Direct	National Archives And Records Administration	Various	(19,718)	
89.003	National Historical Publications And Records Grants	Direct	National Archives And Records Administration Total		(19,718)	
89.003	National Historical Publications And Records Grants Total				(19,718)	
91.RD		Pass-through	Atox Bio	201600397	26,142	
91.RD		Pass-through	Atox Bio Total		26,142	
91.RD	Total				26,142	
93.048	Special Programs For The Aging, Title IV, And Title II, Discretionary Projects	Direct	Office of Human Development Services (OHDS)	Various	(13,826)	
93.048	Special Programs For The Aging, Title IV, And Title II, Discretionary Projects	Direct	Office of Human Development Services (OHDS) Total		(13,826)	
93.048	Special Programs For The Aging, Title IV, And Title II, Discretionary Projects Total				(13,826)	
93.061	Innovations In Applied Public Health Research	Pass-through	University Of Arizona	278887	4,904	
93.061	Innovations In Applied Public Health Research	Pass-through	University Of Arizona Total		4,904	
93.061	Innovations In Applied Public Health Research Total				4,904	
93.067	Global Aids	Direct	Centers for Diseas Control and Prevention (CDC)	Various	17,065,263	7,094,070
93.067	Global Aids	Direct	Centers for Diseas Control and Prevention (CDC) Total		17,065,263	7,094,070
93.067	Global Aids Total				17,521,595	7,094,070
93.070	Environmental Public Health And Emergency Response	Direct	Centers for Diseas Control and Prevention (CDC)	Various	169,101	
93.070	Environmental Public Health And Emergency Response	Direct	Centers for Diseas Control and Prevention (CDC) Total		169,101	
93.070	Environmental Public Health And Emergency Response Total				169,101	
93.073	Birth Defects And Developmental Disabilities - Prevention And Surveillance	Direct	Centers for Diseas Control and Prevention (CDC)	Various	2,226	
93.073	Birth Defects And Developmental Disabilities - Prevention And Surveillance	Direct	Centers for Diseas Control and Prevention (CDC) Total		2,226	
93.073	Birth Defects And Developmental Disabilities - Prevention And Surveillance Total				2,226	
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Direct	National Institutes of Health (NIH)	Various	6,894,268	584,550
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Direct	National Institutes of Health (NIH) Total		6,894,268	584,550
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Pass-through	Brigham And Women's Hospital	A20-0230-001	78,963	
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Pass-through	Brigham And Women's Hospital Total		78,963	
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Pass-through	Oregon Health & Science University	R01HL144384	317,647	
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Pass-through	Oregon Health & Science University Total		317,647	
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Pass-through	Portland State University	007815	20,699	
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Pass-through	Portland State University Total		20,699	
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Pass-through	University Of Michigan	SUBK00007976	16,183	
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Pass-through	University Of Michigan Total		16,183	
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Pass-through	University Of Minnesota	P006754502	443,472	
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Pass-through	University Of Minnesota Total		443,472	
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Pass-through	University Of Wisconsin-Madison	60SK356	249,655	
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research	Pass-through	University Of Wisconsin-Madison Total		249,655	
93.077	Family Smoking Prevention And Tobacco Control Act Regulatory Research Total				8,020,888	584,550
93.080	Blood Disorder Program: Prevention, Surveillance, And Research	Direct	Centers for Diseas Control and Prevention (CDC)	Various	43,302	
93.080	Blood Disorder Program: Prevention, Surveillance, And Research	Direct	Centers for Diseas Control and Prevention (CDC) Total		43,302	
93.080	Blood Disorder Program: Prevention, Surveillance, And Research Total				43,302	
93.080	Blood Disorder Program: Prevention, Surveillance, And Research	Pass-through	Center For Comprehensive Care & Diaqnosis Of Inherited Blood Disorders	CIBDIX2015CDC-BCHO-5	2,976	
93.080	Blood Disorder Program: Prevention, Surveillance, And Research	Pass-through	Center For Comprehensive Care & Diaqnosis Of Inherited Blood Disorders	SUB CIBDIX2015CDC-UCSD-1 (DD0	17,228	
93.080	Blood Disorder Program: Prevention, Surveillance, And Research	Pass-through	Center For Comprehensive Care & Diaqnosis Of Inherited Blood Disorders Total		20,204	
93.080	Blood Disorder Program: Prevention, Surveillance, And Research Total				63,506	
93.081	Aspr Science Preparedness And Response Grants	Pass-through	Stratatech LLC	STRATA2016-CYC1	21,484	
93.081	Aspr Science Preparedness And Response Grants	Pass-through	Stratatech LLC Total		21,484	
93.081	Aspr Science Preparedness And Response Grants Total				21,484	
93.084	Prevention Of Disease, Disability, And Death By Infectious Diseases	Direct	Centers for Diseas Control and Prevention (CDC)	Various	1,700,563	55,148
93.084	Prevention Of Disease, Disability, And Death By Infectious Diseases	Direct	Centers for Diseas Control and Prevention (CDC) Total		1,700,563	55,148
93.084	Prevention Of Disease, Disability, And Death By Infectious Diseases Total				1,823,771	55,148
93.084	COVID-19 - Prevention Of Disease, Disability, And Death By Infectious Diseases	Pass-through	Harvard Pilgrim Health Care	HPHC-204704-CYC4	68,013	
93.084	COVID-19 - Prevention Of Disease, Disability, And Death By Infectious Diseases	Pass-through	Harvard Pilgrim Health Care Total		68,013	
93.084	COVID-19 - Prevention Of Disease, Disability, And Death By Infectious Diseases Total				68,013	
93.085	Research On Research Integrity	Direct	Office of the Assistant Secretary for Health (OASH)	Various	48,098	
93.085	Research On Research Integrity	Direct	Office of the Assistant Secretary for Health (OASH) Total		48,098	
93.085	Research On Research Integrity Total				48,098	
93.085	Research On Research Integrity	Pass-through	Sanford Research	SR-2018-14	7,140	

University of California
Schedule of Expenditures of Federal Awards

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.085	Research On Research Integrity	Pass-through	Sanford Research Total		7,140	
93.085	Research On Research Integrity Total				55,239	
93.088	Advancing System Improvements For Key Issues In Women'S Health	Direct	Office of the Assistant Secretary for Health (OASH)	ASTWH150034	111,368	12,708
93.088	Advancing System Improvements For Key Issues In Women'S Health	Direct	Office of the Assistant Secretary for Health (OASH) Total		111,368	12,708
93.088	Advancing System Improvements For Key Issues In Women'S Health Total				111,368	12,708
93.103	Food And Drug Administration Research	Direct	U.S. Food and Drug Administration (FDA)	Various	7,386,965	1,931,136
93.103	Food And Drug Administration Research	Direct	U.S. Food and Drug Administration (FDA) Total		7,386,965	1,931,136
93.103	Food And Drug Administration Research	Pass-through	California Department Of Food And Agriculture	18-0372	16,364	
93.103	Food And Drug Administration Research	Pass-through	California Department Of Food And Agriculture Total		16,364	
93.103	Food And Drug Administration Research	Pass-through	Cedars-Sinai Medical Center	0001494325	31,132	
93.103	Food And Drug Administration Research	Pass-through	Cedars-Sinai Medical Center Total		31,132	
93.103	Food And Drug Administration Research	Pass-through	Children's Hospital Of Philadelphia	3200840819:1	70,906	
93.103	Food And Drug Administration Research	Pass-through	Children's Hospital Of Philadelphia Total		70,906	
93.103	Food And Drug Administration Research	Pass-through	Cornell University	184021	58,763	
93.103	Food And Drug Administration Research	Pass-through	Cornell University Total		58,763	
93.103	Food And Drug Administration Research	Pass-through	Duke University	234691/ 240919	9,222	
93.103	Food And Drug Administration Research	Pass-through	Duke University	A039104	21,447	
93.103	Food And Drug Administration Research	Pass-through	Duke University Total		30,669	
93.103	Food And Drug Administration Research	Pass-through	Institute For Advanced Clinical Trials For Children	20191636	2,195	
93.103	Food And Drug Administration Research	Pass-through	Institute For Advanced Clinical Trials For Children Total		2,195	
93.103	Food And Drug Administration Research	Pass-through	Johns Hopkins University	B4089	(37,660)	
93.103	Food And Drug Administration Research	Pass-through	Johns Hopkins University Total		(37,660)	
93.103	Food And Drug Administration Research	Pass-through	Neurocoq Trials Inc.	SUB 20200271(FD006872)	34,141	
93.103	Food And Drug Administration Research	Pass-through	Neurocoq Trials Inc. Total		34,141	
93.103	Food And Drug Administration Research	Pass-through	New York Medical College	120005	37,247	
93.103	Food And Drug Administration Research	Pass-through	New York Medical College	79174	(4,700)	
93.103	Food And Drug Administration Research	Pass-through	New York Medical College Total		32,548	
93.103	Food And Drug Administration Research	Pass-through	Real Prevention LLC	RP-205497-CYC3	3,138	
93.103	Food And Drug Administration Research	Pass-through	Real Prevention LLC Total		3,138	
93.103	Food And Drug Administration Research	Pass-through	Stanford University	HHSF223201610081C	3,226	
93.103	Food And Drug Administration Research	Pass-through	Stanford University Total		3,226	
93.103	Food And Drug Administration Research	Pass-through	Trace-Ability, Inc	TA-UCSF-SUB1	(4,740)	
93.103	Food And Drug Administration Research	Pass-through	Trace-Ability, Inc Total		(4,749)	
93.103	Food And Drug Administration Research	Pass-through	University Of Kansas Medical Center Research Institute, Inc.	Z8B00010	1,891	
93.103	Food And Drug Administration Research	Pass-through	University Of Kansas Medical Center Research Institute, Inc. Total		1,891	
93.103	Food And Drug Administration Research	Pass-through	University Of Texas-M.D. Anderson Cancer Center	3001483892	154,236	
93.103	Food And Drug Administration Research	Pass-through	University Of Texas-M.D. Anderson Cancer Center Total		154,236	
93.103	Food And Drug Administration Research	Pass-through	Yale University	GR108013(CON-80002049)	36,390	
93.103	Food And Drug Administration Research	Pass-through	Yale University Total		36,390	
93.103	Food And Drug Administration Research	Pass-through	The Children's Hospital Corp.	SUB GENFD0001336281 (FD006003)	69,640	
93.103	Food And Drug Administration Research	Pass-through	The Children's Hospital Corp. Total		69,640	
93.103	Food And Drug Administration Research Total				7,889,796	1,931,136
93.110	Maternal And Child Health Federal Consolidated Programs	Direct	National Institutes of Health (NIH)	Various	525,486	77,343
93.110	Maternal And Child Health Federal Consolidated Programs	Direct	National Institutes of Health (NIH) Total		525,486	77,343
93.110	Maternal And Child Health Federal Consolidated Programs	Direct	Health Resources and Services Administration (HRSA)	Various	4,299,003	1,814,438
93.110	Maternal And Child Health Federal Consolidated Programs	Direct	Health Resources and Services Administration (HRSA) Total		4,299,003	1,814,438
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders	CIBD0XHSRA2012-BCHO-08	5,951	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders	SUB CIBDX0212HSRA-UCSD-7/5 H3	14,756	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders Total		20,707	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Children's Hospital And Research Center Foundation	U1AMC28548	5,000	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Children's Hospital And Research Center Foundation Total		5,000	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Massachusetts General Hospital	226859	60,564	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Massachusetts General Hospital	MGH-205328-CYC5	186,632	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Massachusetts General Hospital Total		266,571	60,564
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Partners Healthcare System, Inc	226858	32,530	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Partners Healthcare System, Inc	226859-CYC5	27,794	17,780
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Partners Healthcare System, Inc Total		60,324	17,780
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	University Of Colorado System	FY19.609.008	12,687	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	University Of Colorado System	FY20.609.007	437	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	University Of Colorado System Total		13,124	
93.110	Maternal And Child Health Federal Consolidated Programs Total				5,180,214	1,970,125
93.113	Environmental Health	Direct	National Institutes of Health (NIH)	Various	27,459,839	3,369,118
93.113	Environmental Health	Direct	National Institutes of Health (NIH) Total		27,459,839	3,369,118
93.113	Environmental Health	Pass-through	Beckman Research Institute Of The City Of Hope	52044.2001758.669302	16,939	
93.113	Environmental Health	Pass-through	Beckman Research Institute Of The City Of Hope Total		16,939	
93.113	Environmental Health	Pass-through	California State University, Northridge	F-14-3503UCLA:4	18,030	
93.113	Environmental Health	Pass-through	California State University, Northridge Total		18,030	
93.113	Environmental Health	Pass-through	Children's Hospital Medical Center Of Cincinnati	U01ES029234	15,765	
93.113	Environmental Health	Pass-through	Children's Hospital Medical Center Of Cincinnati Total		15,765	
93.113	Environmental Health	Pass-through	Colorado State University	G-33752-01	253,677	
93.113	Environmental Health	Pass-through	Colorado State University	G-45067-02	5,452	
93.113	Environmental Health	Pass-through	Colorado State University Total		259,129	
93.113	Environmental Health	Pass-through	Columbia University	SUB 3(GG010691) (ES025225)	101,481	
93.113	Environmental Health	Pass-through	Columbia University Total		101,481	
93.113	Environmental Health	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-8271-4609	52,667	
93.113	Environmental Health	Pass-through	Icahn School Of Medicine At Mount Sinai	A17-0820-003	76,779	
93.113	Environmental Health	Pass-through	Icahn School Of Medicine At Mount Sinai Total		129,446	
93.113	Environmental Health	Pass-through	Johns Hopkins University	2003191417	18,017	
93.113	Environmental Health	Pass-through	Johns Hopkins University	2003218455	144,116	
93.113	Environmental Health	Pass-through	Johns Hopkins University	R24ES030893	9,045	
93.113	Environmental Health	Pass-through	Johns Hopkins University Total		171,178	
93.113	Environmental Health	Pass-through	Princeton University	SUB0000327	85,094	
93.113	Environmental Health	Pass-through	Princeton University Total		85,094	
93.113	Environmental Health	Pass-through	Public Health Institute	01884	18,832	
93.113	Environmental Health	Pass-through	Public Health Institute Total		18,832	
93.113	Environmental Health	Pass-through	Research Foundation For Mental Hygiene	R01ES029281	134,761	
93.113	Environmental Health	Pass-through	Research Foundation For Mental Hygiene Total		134,761	
93.113	Environmental Health	Pass-through	Salk Institute For Biological Studies	SUB NONE (ES025585)	112,736	
93.113	Environmental Health	Pass-through	Salk Institute For Biological Studies	SUB P0170265 (ES025585)	63,117	
93.113	Environmental Health	Pass-through	Salk Institute For Biological Studies Total		175,854	
93.113	Environmental Health	Pass-through	Silent Spring Institute	7370-UCSF-Y01	21,602	
93.113	Environmental Health	Pass-through	Silent Spring Institute Total		21,602	
93.113	Environmental Health	Pass-through	University Of Arizona	R01ES020867	163,331	
93.113	Environmental Health	Pass-through	University Of Arizona Total		163,331	
93.113	Environmental Health	Pass-through	University Of Colorado Boulder	SUB 1557262 (ES027853)	67,185	
93.113	Environmental Health	Pass-through	University Of Colorado Boulder Total		67,185	
93.113	Environmental Health	Pass-through	University Of Colorado Denver	875AC	283,783	
93.113	Environmental Health	Pass-through	University Of Colorado Denver	FY17.625.006	601,509	
93.113	Environmental Health	Pass-through	University Of Colorado Denver Total		885,292	
93.113	Environmental Health	Pass-through	University Of Michigan	008002	10,300	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.113	Environmental Health	Pass-through	University Of Michigan Total		10,300	
93.113	Environmental Health	Pass-through	University Of Missouri	005947	13,100	
93.113	Environmental Health	Pass-through	University Of Missouri	010644	127,111	
93.113	Environmental Health	Pass-through	University Of Missouri Total		140,211	
93.113	Environmental Health	Pass-through	University Of New Mexico	3RT23.4	28,858	
93.113	Environmental Health	Pass-through	University Of New Mexico Total		28,858	
93.113	Environmental Health	Pass-through	University Of Southern California	102683343	84,526	
93.113	Environmental Health	Pass-through	University Of Southern California	1R01ES030364	4,338	
93.113	Environmental Health	Pass-through	University Of Southern California	61933158	73,889	
93.113	Environmental Health	Pass-through	University Of Southern California	87B3C	(75)	
93.113	Environmental Health	Pass-through	University Of Southern California Total		162,678	
93.113	Environmental Health	Pass-through	University Of Texas-Arlington	R21ES028131	2,073	
93.113	Environmental Health	Pass-through	University Of Texas-Arlington Total		2,073	
93.113	Environmental Health	Pass-through	University Of Texas-Austin	A16-0601-004	111,848	
93.113	Environmental Health	Pass-through	University Of Texas-Austin Total		111,848	
93.113	Environmental Health	Pass-through	Wake Forest University	SUB WFUHS 115660 (ES025645)	28,581	
93.113	Environmental Health	Pass-through	Wake Forest University Total		28,581	
93.113	Environmental Health	Pass-through	Washington University In St. Louis	WU-16-159	18,868	
93.113	Environmental Health	Pass-through	Washington University In St. Louis Total		18,868	
93.113	Environmental Health Total				30,227,173	3,369,118
93.116	Project Grants And Cooperative Agreements For Tuberculosis Control Programs	Pass-through	California Department Of Public Health	17-10035	3,335,660	
93.116	Project Grants And Cooperative Agreements For Tuberculosis Control Programs	Pass-through	California Department Of Public Health	A8156	79,121	
93.116	Project Grants And Cooperative Agreements For Tuberculosis Control Programs	Pass-through	California Department Of Public Health Total		3,414,781	
93.116	Project Grants And Cooperative Agreements For Tuberculosis Control Programs Total				3,414,781	
93.117	Preventive Medicine Residency	Direct	Health Resources and Services Administration (HRSA)	Various	813,914	
93.117	Preventive Medicine Residency	Direct	Health Resources and Services Administration (HRSA) Total		813,914	
93.117	Preventive Medicine Residency Total				813,914	
93.121	Oral Diseases And Disorders Research	Direct	National Institutes of Health (NIH)	Various	39,693,614	3,917,618
93.121	Oral Diseases And Disorders Research	Direct	National Institutes of Health (NIH) Total		39,693,614	3,917,618
93.121	Oral Diseases And Disorders Research	Pass-through	Arthritis, Musculoskeletal & Skin Diseases, National Institute Of	8920SC.5	7,320	
93.121	Oral Diseases And Disorders Research	Pass-through	Arthritis, Musculoskeletal & Skin Diseases, National Institute Of Total		7,320	
93.121	Oral Diseases And Disorders Research	Pass-through	Biovinc LLC	5R44DE025524-03S1	135,519	
93.121	Oral Diseases And Disorders Research	Pass-through	Biovinc LLC Total		135,519	
93.121	Oral Diseases And Disorders Research	Pass-through	Brigham And Women's Hospital	B3548	217	
93.121	Oral Diseases And Disorders Research	Pass-through	Brigham And Women's Hospital	B4921	(13,138)	
93.121	Oral Diseases And Disorders Research	Pass-through	Brigham And Women's Hospital Total		(12,921)	
93.121	Oral Diseases And Disorders Research	Pass-through	California State University, San Diego State University	SA0000601	34,096	
93.121	Oral Diseases And Disorders Research	Pass-through	California State University, San Diego State University Total		34,096	
93.121	Oral Diseases And Disorders Research	Pass-through	Columbia University	1(GG013390).1	237,566	
93.121	Oral Diseases And Disorders Research	Pass-through	Columbia University Total		237,566	
93.121	Oral Diseases And Disorders Research	Pass-through	Duke University	5R01 DE025444	380,663	
93.121	Oral Diseases And Disorders Research	Pass-through	Duke University Total		380,663	
93.121	Oral Diseases And Disorders Research	Pass-through	Lankenau Institute For Medical Research	06297-0793	127,850	
93.121	Oral Diseases And Disorders Research	Pass-through	Lankenau Institute For Medical Research Total		127,850	
93.121	Oral Diseases And Disorders Research	Pass-through	New York University	89284	(57)	
93.121	Oral Diseases And Disorders Research	Pass-through	New York University	C1153	(746)	
93.121	Oral Diseases And Disorders Research	Pass-through	New York University Total		(803)	
93.121	Oral Diseases And Disorders Research	Pass-through	Palo Alto Veterans Institute For Research, Inc.	B2788	23	
93.121	Oral Diseases And Disorders Research	Pass-through	Palo Alto Veterans Institute For Research, Inc. Total		23	
93.121	Oral Diseases And Disorders Research	Pass-through	Scarless Laboratories, Inc	2SB1DE026972-04A1	90,845	
93.121	Oral Diseases And Disorders Research	Pass-through	Scarless Laboratories, Inc	77669	(1,682)	
93.121	Oral Diseases And Disorders Research	Pass-through	Scarless Laboratories, Inc Total		89,163	
93.121	Oral Diseases And Disorders Research	Pass-through	Stanford University	1U01DE024430- 0161206320	2,707	
93.121	Oral Diseases And Disorders Research	Pass-through	Stanford University	61676501-123526	33,576	
93.121	Oral Diseases And Disorders Research	Pass-through	Stanford University Total		36,284	
93.121	Oral Diseases And Disorders Research	Pass-through	The University Of Alabama At Birmingham	000504965-001	7,659	
93.121	Oral Diseases And Disorders Research	Pass-through	The University Of Alabama At Birmingham Total		7,659	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Colorado Denver	FY19.530.001-CYC1	79,413	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Colorado Denver	FY19.655.001-CYC2	42,135	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Colorado Denver Total		121,549	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Michigan	3004085830	419,684	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Michigan	3004119292/ 3004531885	(98)	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Michigan	3004644384	5,043	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Michigan Total		424,629	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of North Carolina System	R01DE028146	122,226	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of North Carolina System Total		122,226	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Pennsylvania	573964.1	45,700	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Pennsylvania Total		45,700	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Puerto Rico	SUB NONE (DE027235)	(8,682)	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Puerto Rico Total		(8,682)	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Southern California	59902	(40)	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Southern California Total		(40)	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Texas Health Science Center At Houston	0010816B	127,881	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Texas Health Science Center At Houston	0011414C	40,518	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Texas Health Science Center At Houston Total		168,399	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Colorado System	B4149	(13,000)	
93.121	Oral Diseases And Disorders Research	Pass-through	University Of Colorado System Total		(13,000)	
93.121	Oral Diseases And Disorders Research Total				41,596,812	3,917,618
93.121	COVID-19 - Oral Diseases And Disorders Research	Direct	National Institutes of Health (NIH)		242,250	
93.121	COVID-19 - Oral Diseases And Disorders Research	Direct	National Institutes of Health (NIH) Total		242,250	
93.121	COVID-19 - Oral Diseases And Disorders Research Total				242,250	
93.127	Emergency Medical Services For Children	Pass-through	Rhode Island Hospital	7017137490	67,543	
93.127	Emergency Medical Services For Children	Pass-through	Rhode Island Hospital Total		67,543	
93.127	Emergency Medical Services For Children Total				67,543	
93.134	Grants To Increase Organ Donations	Direct	Health Resources and Services Administration (HRSA)	Various	692,128	226,687
93.134	Grants To Increase Organ Donations	Direct	Health Resources and Services Administration (HRSA) Total		692,128	226,687
93.134	Grants To Increase Organ Donations Total				692,128	226,687
93.135	Centers For Research And Demonstration For Health Promotion And Disease Prevention	Direct	Centers for Disease Control and Prevention (CDC)	Various	480,916	103,804
93.135	Centers For Research And Demonstration For Health Promotion And Disease Prevention	Direct	Centers for Disease Control and Prevention (CDC) Total		480,916	103,804
93.135	Centers For Research And Demonstration For Health Promotion And Disease Prevention Total				480,916	103,804
93.136	Injury Prevention And Control Research And State And Community Based Programs	Direct	Centers for Disease Control and Prevention (CDC)	Various	378,284	168,141
93.136	Injury Prevention And Control Research And State And Community Based Programs	Direct	Centers for Disease Control and Prevention (CDC) Total		378,284	168,141
93.136	Injury Prevention And Control Research And State And Community Based Programs	Pass-through	California Department Of Public Health	1511002	12,059	

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Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.136	Injury Prevention And Control Research And State And Community Based Programs	Pass-through	California Department Of Public Health	17-10480	382	
93.136	Injury Prevention And Control Research And State And Community Based Programs	Pass-through	California Department Of Public Health	SUB 18-10753(NUF2CE002501-01-0	312,001	
93.136	Injury Prevention And Control Research And State And Community Based Programs	Pass-through	California Department Of Public Health Total		324,441	
93.136	Injury Prevention And Control Research And State And Community Based Programs	Pass-through	Children's Hospital Of Pittsburgh	88156	2,150	
93.136	Injury Prevention And Control Research And State And Community Based Programs	Pass-through	Children's Hospital Of Pittsburgh Total		2,150	
93.136	Injury Prevention And Control Research And State And Community Based Programs	Pass-through	Heluna Health	B9769	14,107	
93.136	Injury Prevention And Control Research And State And Community Based Programs	Pass-through	Heluna Health Total		14,107	
93.136	Injury Prevention And Control Research And State And Community Based Programs Total				718,983	168,141
93.137	Community Programs To Improve Minority Health Grant Program	Direct	Health Resources and Services Administration (HRSA)	Various	570,687	81,950
93.137	Community Programs To Improve Minority Health Grant Program	Direct	Health Resources and Services Administration (HRSA) Total		570,687	81,950
93.137	Community Programs To Improve Minority Health Grant Program Total				570,687	81,950
93.140	Intramural Research Training Award	Pass-through	Carnegie Institution Of Washington	05-87000-01	20,127	
93.140	Intramural Research Training Award	Pass-through	Carnegie Institution Of Washington Total		20,127	
93.140	Intramural Research Training Award Total				20,127	
93.142	Niehs Hazardous Waste Worker Health And Safety Training	Direct	National Institutes Of Health (NIH)	Various	1,979,966	745,581
93.142	Niehs Hazardous Waste Worker Health And Safety Training	Direct	National Institutes Of Health (NIH) Total		1,979,966	745,581
93.142	Niehs Hazardous Waste Worker Health And Safety Training Total				1,979,966	745,581
93.143	Niehs Superfund Hazardous Substances Basic Research And Education	Direct	National Institutes Of Health (NIH)	Various	7,759,743	455,387
93.143	Niehs Superfund Hazardous Substances Basic Research And Education	Direct	National Institutes Of Health (NIH) Total		7,759,743	455,387
93.143	Niehs Superfund Hazardous Substances Basic Research And Education	Pass-through	Boston University	4500003077	28,886	
93.143	Niehs Superfund Hazardous Substances Basic Research And Education	Pass-through	Boston University Total		28,886	
93.143	Niehs Superfund Hazardous Substances Basic Research And Education Total				7,788,629	455,387
93.145	HIV-Related Training And Technical Assistance	Direct	Health Resources and Services Administration (HRSA)	Various	533,837	
93.145	HIV-Related Training And Technical Assistance	Direct	Health Resources and Services Administration (HRSA) Total		533,837	
93.145	HIV-Related Training And Technical Assistance	Pass-through	City And County Of San Francisco	A8531	(35,598)	
93.145	HIV-Related Training And Technical Assistance	Pass-through	City And County Of San Francisco Total		(35,598)	
93.145	HIV-Related Training And Technical Assistance Total				498,240	
93.153	Coordinated Services And Access To Research For Women, Infants, Children, And Youth (Ryan White Program Part D Women, Infants, Children And Youth WICY Program)	Direct	Health Resources and Services Administration (HRSA)	Various	1,470,924	28,776
93.153	Coordinated Services And Access To Research For Women, Infants, Children, And Youth (Ryan White Program Part D Women, Infants, Children And Youth WICY Program)	Direct	Health Resources and Services Administration (HRSA) Total		1,470,924	28,776
93.153	Coordinated Services And Access To Research For Women, Infants, Children, And Youth (Ryan White Program Part D Women, Infants, Children And Youth WICY Program) Total				1,470,924	28,776
93.157	Centers Of Excellence	Direct	Health Resources and Services Administration (HRSA)	Various	1,480,285	105,304
93.157	Centers Of Excellence	Direct	Health Resources and Services Administration (HRSA) Total		1,480,285	105,304
93.157	Centers Of Excellence Total				1,480,285	105,304
93.172	Human Genome Research	Direct	National Institutes Of Health (NIH)	Various	30,425,224	4,239,080
93.172	Human Genome Research	Direct	National Institutes Of Health (NIH) Total		30,425,224	4,239,080
93.172	Human Genome Research	Pass-through	Albert Einstein College Of Medicine	SUB 311106 (HG008153)	19,020	
93.172	Human Genome Research	Pass-through	Albert Einstein College Of Medicine Total		19,020	
93.172	Human Genome Research	Pass-through	Arima Genomics, Inc.	SUB 20173614 (HG008118)	20,001	
93.172	Human Genome Research	Pass-through	Arima Genomics, Inc. Total		20,001	
93.172	Human Genome Research	Pass-through	Broad Institute Inc.	A17-0095-003	68,705	
93.172	Human Genome Research	Pass-through	Broad Institute Inc.	A19-0066-001	870,065	
93.172	Human Genome Research	Pass-through	Broad Institute Inc. Total		938,770	
93.172	Human Genome Research	Pass-through	California Institute Of Technology	S380706	1,397,489	
93.172	Human Genome Research	Pass-through	California Institute Of Technology	S447723	201,376	
93.172	Human Genome Research	Pass-through	California Institute Of Technology Total		1,598,865	
93.172	Human Genome Research	Pass-through	California State University, Northridge	A18-0057-S001:1	3,012	
93.172	Human Genome Research	Pass-through	California State University, Northridge Total		3,012	
93.172	Human Genome Research	Pass-through	Columbia University	2(GG014890-01)	226,018	
93.172	Human Genome Research	Pass-through	Columbia University Total		226,018	
93.172	Human Genome Research	Pass-through	Dana-Farber Cancer Institute	62767	16,017	
93.172	Human Genome Research	Pass-through	Dana-Farber Cancer Institute Total		16,017	
93.172	Human Genome Research	Pass-through	European Bioinformatics Institute	A17-0370-003	271,092	
93.172	Human Genome Research	Pass-through	European Bioinformatics Institute Total		271,092	
93.172	Human Genome Research	Pass-through	Harvard University	117112-5098555	260,423	
93.172	Human Genome Research	Pass-through	Harvard University	153056.5112935.0507	210,897	
93.172	Human Genome Research	Pass-through	Harvard University Total		471,320	
93.172	Human Genome Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-C681-4609	120,627	
93.172	Human Genome Research	Pass-through	Icahn School Of Medicine At Mount Sinai Total		120,627	
93.172	Human Genome Research	Pass-through	Indiana University	88984	295	
93.172	Human Genome Research	Pass-through	Indiana University Total		295	
93.172	Human Genome Research	Pass-through	Kaiser Permanente Division Of Research	00S030229-UCSF	412,105	
93.172	Human Genome Research	Pass-through	Kaiser Permanente Division Of Research Total		412,105	
93.172	Human Genome Research	Pass-through	Ludwig Institute For Cancer Research	871F1	449	
93.172	Human Genome Research	Pass-through	Ludwig Institute For Cancer Research Total		449	
93.172	Human Genome Research	Pass-through	New York Genome Center Inc	UM1-UCLA-4	48,105	
93.172	Human Genome Research	Pass-through	New York Genome Center Inc	UM1-UCSF-4	8,955	
93.172	Human Genome Research	Pass-through	New York Genome Center Inc Total		57,060	
93.172	Human Genome Research	Pass-through	Oregon Health & Science University	1013661 UCSF	230,600	
93.172	Human Genome Research	Pass-through	Oregon Health & Science University Total		230,600	
93.172	Human Genome Research	Pass-through	Rutgers, The State University Of New Jersey	0761	(5,048)	
93.172	Human Genome Research	Pass-through	Rutgers, The State University Of New Jersey	1206	44,425	
93.172	Human Genome Research	Pass-through	Rutgers, The State University Of New Jersey Total		39,378	
93.172	Human Genome Research	Pass-through	SRI International	A17-0549-003	173,643	
93.172	Human Genome Research	Pass-through	SRI International Total		173,643	
93.172	Human Genome Research	Pass-through	Stanford University	61280478-121626	(64,158)	
93.172	Human Genome Research	Pass-through	Stanford University	B9092	(22,253)	
93.172	Human Genome Research	Pass-through	Stanford University Total		(86,410)	
93.172	Human Genome Research	Pass-through	University Of Connecticut	SUB UCHC7-101026114 (HG009889	603,266	
93.172	Human Genome Research	Pass-through	University Of Connecticut Total		603,266	
93.172	Human Genome Research	Pass-through	University Of Southern California	R21HG009742	12,126	
93.172	Human Genome Research	Pass-through	University Of Southern California Total		12,126	
93.172	Human Genome Research	Pass-through	Washington University In St. Louis	WU-20-171	19,977	
93.172	Human Genome Research	Pass-through	Washington University In St. Louis Total		19,977	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.172	Human Genome Research Total				35,572,455	4,239,080
93.173	Research Related To Deafness And Communication Disorders	Direct	National Institutes of Health (NIH)	Various	22,877,710	1,091,785
93.173	Research Related To Deafness And Communication Disorders	Direct	National Institutes of Health (NIH) Total		22,877,710	1,091,785
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Boston University	4500003210	30,342	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Boston University	4500003211	10,994	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Boston University	4500003212	51,142	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Boston University Total		92,477	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	California State University, San Diego State University	8762B	305,299	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	California State University, San Diego State University Total		305,299	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Cold Spring Harbor Laboratory	89BFB	83,877	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Cold Spring Harbor Laboratory Total		83,877	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Drexel University	R01DC017181	30,143	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Drexel University Total		30,143	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Father Flanagan Boys Home	96411-B	2,448	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Father Flanagan Boys Home Total		2,448	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Florida Atlantic University	010442	168,986	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Florida Atlantic University Total		168,986	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Indiana University	IN4685446UCSF	51,977	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Indiana University Total		51,977	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Johns Hopkins University	2002596820:3	18,255	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Johns Hopkins University Total		18,255	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Massachusetts Eye And Ear Infirmary	530750	70,187	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Massachusetts Eye And Ear Infirmary Total		70,187	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Oregon Health & Science University	008310	86,352	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Oregon Health & Science University	1010095 UCDAVIS	140,732	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Oregon Health & Science University Total		227,134	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Research Foundation For State University Of New York, The	R1048815	112,725	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Research Foundation For State University Of New York, The Total		112,725	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Temple University	263001-UCI	74,476	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	Temple University Total		74,476	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Pittsburgh	0062065 (131832-1)	276,486	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Pittsburgh Total		276,486	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of South Carolina	19-3846-CYC1	214,897	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of South Carolina Total		214,897	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of South Florida	SUB 2121-1001-00-C (DC015901)	163,108	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of South Florida Total		163,108	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Southern California	127175722	11,903	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Southern California Total		11,903	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Texas Health Science Center At Houston	0011468C	36,659	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Texas Health Science Center At Houston Total		36,659	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Texas-Austin	B3865	5	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Texas-Austin	UTAT17-000879	270,903	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Texas-Austin Total		270,903	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Utah	10041913-027	(241)	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Utah Total		(241)	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Washington	A19-0899-001	63,811	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Washington Total		63,811	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Wisconsin-Madison	SUB 830K966 (DC004336)	20,819	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	University Of Wisconsin-Madison Total		20,819	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	The Children's Hospital Corp.	GENFD0001723195	60,263	
93.173	Research Related To Deafness And Communication Disorders	Pass-through	The Children's Hospital Corp. Total		60,263	
93.173	Research Related To Deafness And Communication Disorders Total				25,234,307	1,091,785
93.184	Disabilities Prevention	Pass-through	Children's Hospital And Research Center Foundation	NU58DD006093	5,200	
93.184	Disabilities Prevention	Pass-through	Children's Hospital And Research Center Foundation	SUB VICHINSKY E 807905.UCSD.00	5,200	
93.184	Disabilities Prevention	Pass-through	Children's Hospital And Research Center Foundation Total		10,400	
93.184	Disabilities Prevention Total				10,400	
93.185	Immunization Research, Demonstration, Public Information And Education Training And Clinical Skills Improvement Projects	Pass-through	University Of Rochester	417201:3	43,483	
93.185	Immunization Research, Demonstration, Public Information And Education Training And Clinical Skills Improvement Projects	Pass-through	University Of Rochester	417820 / URFAO: GR510954	136,014	
93.185	Immunization Research, Demonstration, Public Information And Education Training And Clinical Skills Improvement Projects	Pass-through	University Of Rochester Total		179,497	
93.185	Immunization Research, Demonstration, Public Information And Education Training And Clinical Skills Improvement Projects Total				179,497	
93.197	Childhood Lead Poisoning Prevention Projects, State And Local Childhood Lead Poisoning Prevention And Surveillance Of Blood Lead Levels In Children	Pass-through	Michigan State University	RC107653-UCSF	36,615	
93.197	Childhood Lead Poisoning Prevention Projects, State And Local Childhood Lead Poisoning Prevention And Surveillance Of Blood Lead Levels In Children	Pass-through	Michigan State University Total		36,615	
93.197	Childhood Lead Poisoning Prevention Projects, State And Local Childhood Lead Poisoning Prevention And Surveillance Of Blood Lead Levels In Children Total				36,615	
93.211	Telehealth Programs	Direct	Health Resources and Services Administration (HRSA)	Various	305,233	
93.211	Telehealth Programs	Direct	Health Resources and Services Administration (HRSA) Total		305,233	
93.211	Telehealth Programs Total				305,233	
93.213	Research And Training In Complementary And Integrative Health	Direct	National Institutes of Health (NIH)	Various	10,614,343	604,375
93.213	Research And Training In Complementary And Integrative Health	Direct	National Institutes of Health (NIH) Total		10,614,343	604,375
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Health Research, Inc.	R01AT010216	78,280	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Health Research, Inc. Total		78,280	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Johns Hopkins University	SUB 20043363313 (AT010134)	29,123	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Johns Hopkins University Total		29,123	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Laureate Institute For Brain Research	SUB 1R34AT009889(AT009889)	15,792	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Laureate Institute For Brain Research Total		15,792	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	New York University	17-A0-00-008501	19,776	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	New York University Total		19,776	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Nextxtr, Inc	A130673	100,253	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Nextxtr, Inc Total		100,253	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Rand Corporation	57578	28	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Rand Corporation	SCON-00000315	25,979	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Rand Corporation Total		26,006	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Stanford University	R01AT010593	10,419	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Stanford University Total		10,419	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Veterans Medical Research Foundation Of San Diego	87C4F	17,357	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Veterans Medical Research Foundation Of San Diego	87CAG	35,065	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA LANG (AT010332)	8,866	
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA LANG		
93.213	Research And Training In Complementary And Integrative Health	Pass-through	Veterans Medical Research Foundation Of San Diego Total		14,169	
93.213	Research And Training In Complementary And Integrative Health	Pass-through		097470001(AT010332)	75,456	
93.213	Research And Training In Complementary And Integrative Health Total				10,969,450	604,375
93.226	Research On Healthcare Costs, Quality And Outcomes	Direct	Agency for Healthcare Research and Quality (AHRQ)	Various	9,265,149	1,204,026
93.226	Research On Healthcare Costs, Quality And Outcomes	Direct	Agency for Healthcare Research and Quality (AHRQ) Total		9,265,149	1,204,026

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Agency For Healthcare Research And Quality	10754SC-01	117,148	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Agency For Healthcare Research And Quality Total		117,148	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	American College Of Surgeons	A129384	(29,598)	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	American College Of Surgeons Total		(29,598)	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Children's Hospital And Research Center Foundation	U18HS025297	3,749	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Children's Hospital And Research Center Foundation Total		3,749	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Columbia University	1(GG014652-01)	15,842	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Columbia University Total		15,842	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Dartmouth College	R1371	35,764	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Dartmouth College	R814	30,616	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Dartmouth College	R815	343,216	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Dartmouth College Total		409,596	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Duke University	10746SC	15,069	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Duke University	203-7623	114,084	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Duke University	203-7629	123,278	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Duke University	5P50HS023418	13,814	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Duke University Total		266,245	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Johns Hopkins University	2002441400-CYC4	55,305	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Johns Hopkins University	2003905101	375,722	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Johns Hopkins University Total		431,027	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Kaiser Foundation Research Institution	HHSA290201500007I	(152,119)	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Kaiser Foundation Research Institution	T.O. 5		
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Kaiser Foundation Research Institution	HHSA290201500007I	220,088	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Kaiser Foundation Research Institution	TO 7		
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Kaiser Foundation Research Institution Total		1,709	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	New York University	F1154-01	92,817	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	New York University Total		92,817	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Rand Corporation	9920160022-5	46,695	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Rand Corporation	9920180026-01	45,730	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Rand Corporation Total		92,425	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	University Of Colorado Denver	SUB FY19.817.001		
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	University Of Colorado Denver Total		6,694	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	University Of Minnesota	N008050101	24,677	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	University Of Minnesota Total		24,677	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	University Of Rochester	416933-CYC3	31,941	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	University Of Rochester Total		31,941	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	University Of Southern California	125556820	44,314	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	University Of Southern California Total		44,314	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	University Of Texas Health Science Center At Houston	0011289	64,942	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	University Of Texas Health Science Center At Houston	0014841B	145,784	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	University Of Texas Health Science Center At Houston Total		210,726	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	University Of Utah	10042477-02.2	30,809	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	University Of Utah Total		30,809	
93.226	Research On Healthcare Costs, Quality And Outcomes Total				11,083,241	1,204,026
93.233	National Center On Sleep Disorders Research	Direct	National Institutes Of Health (NIH)	Various	2,205,739	43,312
93.233	National Center On Sleep Disorders Research	Direct	National Institutes Of Health (NIH) Total		2,205,739	43,312
93.233	National Center On Sleep Disorders Research	Pass-through	University Of Miami	SPC-001031(HL140437)	30,208	
93.233	National Center On Sleep Disorders Research	Pass-through	University Of Miami Total		30,208	
93.233	National Center On Sleep Disorders Research	Pass-through	Wayne State University	WSU19118	34,511	
93.233	National Center On Sleep Disorders Research	Pass-through	Wayne State University Total		34,511	
93.233	National Center On Sleep Disorders Research Total				2,270,457	43,312
93.242	Mental Health Research Grants	Direct	National Institutes Of Health (NIH)	Various	158,048,501	17,982,022
93.242	Mental Health Research Grants	Direct	National Institutes Of Health (NIH) Total		158,048,501	17,982,022
93.242	Mental Health Research Grants	Pass-through	Allen Institute	2017-0573	892,463	
93.242	Mental Health Research Grants	Pass-through	Allen Institute	SUB 20170566		
93.242	Mental Health Research Grants	Pass-through	Allen Institute Total		365,187	
93.242	Mental Health Research Grants	Pass-through	Allen/Loeb Associates	R44MH099917	131,876	
93.242	Mental Health Research Grants	Pass-through	Allen/Loeb Associates Total		131,876	
93.242	Mental Health Research Grants	Pass-through	Baylor College Of Medicine	7000000444	91,011	
93.242	Mental Health Research Grants	Pass-through	Baylor College Of Medicine Total		91,011	
93.242	Mental Health Research Grants	Pass-through	BlueLight Therapeutics, Inc.	SB200146	43,780	
93.242	Mental Health Research Grants	Pass-through	BlueLight Therapeutics, Inc. Total		43,780	
93.242	Mental Health Research Grants	Pass-through	Boise State University	8424-PO133994		
93.242	Mental Health Research Grants	Pass-through	Boise State University Total		164,708	
93.242	Mental Health Research Grants	Pass-through	Brigham And Women's Hospital	SUB 112807 (MH091448)	31,276	
93.242	Mental Health Research Grants	Pass-through	Brigham And Women's Hospital	U19MH113201	59,896	
93.242	Mental Health Research Grants	Pass-through	Brigham And Women's Hospital Total		91,171	
93.242	Mental Health Research Grants	Pass-through	Brown University	00001172-1	69,544	
93.242	Mental Health Research Grants	Pass-through	Brown University Total		69,544	
93.242	Mental Health Research Grants	Pass-through	California Institute Of Technology	S456163	9,931	
93.242	Mental Health Research Grants	Pass-through	California Institute Of Technology Total		9,931	
93.242	Mental Health Research Grants	Pass-through	California State University, San Diego State University	SUB SA0000475(MH103494)	15,062	
93.242	Mental Health Research Grants	Pass-through	California State University, San Diego State University	SUB SA00000478		
93.242	Mental Health Research Grants	Pass-through	California State University, San Diego State University Total		2,898	
93.242	Mental Health Research Grants	Pass-through	California State University, San Francisco State University	S16-0021	119,470	
93.242	Mental Health Research Grants	Pass-through	California State University, San Francisco State University Total		119,470	
93.242	Mental Health Research Grants	Pass-through	Cedars-Sinai Medical Center	SUB 0255-2131-4609(MH111499)	168,454	
93.242	Mental Health Research Grants	Pass-through	Cedars-Sinai Medical Center Total		168,454	
93.242	Mental Health Research Grants	Pass-through	Child Mind Institute Inc	1R01MH115363 SUBN3	15,855	
93.242	Mental Health Research Grants	Pass-through	Child Mind Institute Inc	7R01MH105506 SUBN3	12,834	
93.242	Mental Health Research Grants	Pass-through	Child Mind Institute Inc Total		28,689	
93.242	Mental Health Research Grants	Pass-through	Children's Hospital Medical Center Of Cincinnati	306236	39,239	
93.242	Mental Health Research Grants	Pass-through	Children's Hospital Medical Center Of Cincinnati Total		39,239	
93.242	Mental Health Research Grants	Pass-through	Cold Spring Harbor Laboratory	64580239	158,120	
93.242	Mental Health Research Grants	Pass-through	Cold Spring Harbor Laboratory	R01MH101214	12,599	
93.242	Mental Health Research Grants	Pass-through	Cold Spring Harbor Laboratory	SUB 64090112		
93.242	Mental Health Research Grants	Pass-through	Cold Spring Harbor Laboratory Total		(141)	
93.242	Mental Health Research Grants	Pass-through	Columbia University	4(GG012936-01)	176,130	
93.242	Mental Health Research Grants	Pass-through	Columbia University Total		176,130	
93.242	Mental Health Research Grants	Pass-through	Cornell University	190415-4	19,592	
93.242	Mental Health Research Grants	Pass-through	Cornell University Total		19,592	
93.242	Mental Health Research Grants	Pass-through	Digital Artefacts, LLC	SUB 20162384		
93.242	Mental Health Research Grants	Pass-through	Digital Artefacts, LLC Total		29,955	
93.242	Mental Health Research Grants	Pass-through	Drexel University	R01MH115715	544,980	
93.242	Mental Health Research Grants	Pass-through	Drexel University Total		544,980	
93.242	Mental Health Research Grants	Pass-through	Duke University	76C67	85,637	
93.242	Mental Health Research Grants	Pass-through	Duke University Total		85,637	
93.242	Mental Health Research Grants	Pass-through	Eastern Virginia Medical School	5R01MH107333	287,837	
93.242	Mental Health Research Grants	Pass-through	Eastern Virginia Medical School	R01MH118139	197,053	
93.242	Mental Health Research Grants	Pass-through	Eastern Virginia Medical School Total		484,890	
93.242	Mental Health Research Grants	Pass-through	Emma Pendleton Bradley Hospital	712-7522-3	16,781	
93.242	Mental Health Research Grants	Pass-through	Emma Pendleton Bradley Hospital Total		16,781	
93.242	Mental Health Research Grants	Pass-through	Emory University	SUB A051335		
93.242	Mental Health Research Grants	Pass-through	Emory University	(MH118092)	50,834	
93.242	Mental Health Research Grants	Pass-through	Emory University	SUB T674498(MH108826)	98,121	

University of California
Schedule of Expenditures of Federal Awards

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(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.242	Mental Health Research Grants	Pass-through	Emory University Total		148,956	
93.242	Mental Health Research Grants	Pass-through	Epigen Biosciences, Inc.	SUB 20173585	117,425	
93.242	Mental Health Research Grants	Pass-through	Epigen Biosciences, Inc. Total	(MH115529)	117,425	
93.242	Mental Health Research Grants	Pass-through	Florida State University	R02127	7,838	
93.242	Mental Health Research Grants	Pass-through	Florida State University Total		7,838	
93.242	Mental Health Research Grants	Pass-through	George Washington University	81192	(53,178)	
93.242	Mental Health Research Grants	Pass-through	George Washington University	81796	(728)	
93.242	Mental Health Research Grants	Pass-through	George Washington University	SUB 18-M60(MH104310)	(62)	
93.242	Mental Health Research Grants	Pass-through	George Washington University Total		(53,969)	
93.242	Mental Health Research Grants	Pass-through	Georgetown University	SUB 411069 GR411012-UCSD (MH10)	77,798	
93.242	Mental Health Research Grants	Pass-through	Georgetown University Total		77,798	
93.242	Mental Health Research Grants	Pass-through	Georgia State University	SP00013948-01-CYC1	42,543	
93.242	Mental Health Research Grants	Pass-through	Georgia State University Total		42,543	
93.242	Mental Health Research Grants	Pass-through	Gladstone Institutes	R2419-A	299,915	
93.242	Mental Health Research Grants	Pass-through	Gladstone Institutes Total		299,915	
93.242	Mental Health Research Grants	Pass-through	Heluna Health	1R01MH119956-01	26,522	
93.242	Mental Health Research Grants	Pass-through	Heluna Health	A134549	5,972	
93.242	Mental Health Research Grants	Pass-through	Heluna Health	R01MH109320	6,215	
93.242	Mental Health Research Grants	Pass-through	Heluna Health Total		38,709	
93.242	Mental Health Research Grants	Pass-through	Icahn School Of Medicine At Mount Sinai	896E0	(1,906)	
93.242	Mental Health Research Grants	Pass-through	Icahn School Of Medicine At Mount Sinai Total		(1,906)	
93.242	Mental Health Research Grants	Pass-through	Johns Hopkins University	2003097374.3	22,092	
93.242	Mental Health Research Grants	Pass-through	Johns Hopkins University	88402	20,999	
93.242	Mental Health Research Grants	Pass-through	Johns Hopkins University	88417	6	
93.242	Mental Health Research Grants	Pass-through	Johns Hopkins University	SUB		
93.242	Mental Health Research Grants	Pass-through	Johns Hopkins University	2003199958(MH111516)	206,775	
93.242	Mental Health Research Grants	Pass-through	Johns Hopkins University Total		249,872	
93.242	Mental Health Research Grants	Pass-through	Kaiser Permanente Washington Health Research Institute	878DB	1,017	
93.242	Mental Health Research Grants	Pass-through	Kaiser Permanente Washington Health Research Institute Total		1,017	
93.242	Mental Health Research Grants	Pass-through	Mahidol University	1R01MH119015-01A1	107,603	
93.242	Mental Health Research Grants	Pass-through	Mahidol University Total		107,603	
93.242	Mental Health Research Grants	Pass-through	Mclean Hospital	401366-CYC2	71,195	
93.242	Mental Health Research Grants	Pass-through	Mclean Hospital	SUB 401185 (MH109334)	84,052	
93.242	Mental Health Research Grants	Pass-through	Mclean Hospital Total		165,247	
93.242	Mental Health Research Grants	Pass-through	Meadowark Optics, Inc.	044261	165,152	
93.242	Mental Health Research Grants	Pass-through	Meadowark Optics, Inc. Total		165,152	
93.242	Mental Health Research Grants	Pass-through	Northern California Institute For Research And Education, Inc	NEY2150-01	312,599	
93.242	Mental Health Research Grants	Pass-through	Northern California Institute For Research And Education, Inc Total		312,599	
93.242	Mental Health Research Grants	Pass-through	Orygen Youth Health Research Centre	A132507	55,949	
93.242	Mental Health Research Grants	Pass-through	Orygen Youth Health Research Centre	U01MH105258	169,047	
93.242	Mental Health Research Grants	Pass-through	Orygen Youth Health Research Centre Total		224,995	
93.242	Mental Health Research Grants	Pass-through	Palo Alto Veterans Institute For Research, Inc.	R21MH1117634	17,050	
93.242	Mental Health Research Grants	Pass-through	Palo Alto Veterans Institute For Research, Inc. Total		17,050	
93.242	Mental Health Research Grants	Pass-through	Princeton University	SUB0000130	8,555	
93.242	Mental Health Research Grants	Pass-through	Princeton University Total		8,555	
93.242	Mental Health Research Grants	Pass-through	Rady Children's Hospital-San Diego	SUB 1001923(MH111491)	6,802	
93.242	Mental Health Research Grants	Pass-through	Rady Children's Hospital-San Diego Total		6,802	
93.242	Mental Health Research Grants	Pass-through	Rand Corporation	9920150037-8	126,106	
93.242	Mental Health Research Grants	Pass-through	Rand Corporation	9920150088	62,535	
93.242	Mental Health Research Grants	Pass-through	Rand Corporation Total		188,640	
93.242	Mental Health Research Grants	Pass-through	Research Foundation For Mental Hygiene	122583.4	(1,609)	
93.242	Mental Health Research Grants	Pass-through	Research Foundation For Mental Hygiene	79405	(353)	
93.242	Mental Health Research Grants	Pass-through	Research Foundation For Mental Hygiene Total		(1,963)	
93.242	Mental Health Research Grants	Pass-through	Research Foundation For State University Of New York, The	100-1145511-80872	7,140	
93.242	Mental Health Research Grants	Pass-through	Research Foundation For State University Of New York, The Total		7,140	
93.242	Mental Health Research Grants	Pass-through	Rush University Medical Center	13041702-SUB01	58,705	
93.242	Mental Health Research Grants	Pass-through	Rush University Medical Center Total		58,705	
93.242	Mental Health Research Grants	Pass-through	Rutgers, The State University Of New Jersey	0029	30,804	
93.242	Mental Health Research Grants	Pass-through	Rutgers, The State University Of New Jersey	009727	82,361	
93.242	Mental Health Research Grants	Pass-through	Rutgers, The State University Of New Jersey	0402	2,065	
93.242	Mental Health Research Grants	Pass-through	Rutgers, The State University Of New Jersey Total		115,230	
93.242	Mental Health Research Grants	Pass-through	Salk Institute For Biological Studies	SUB244872(MH114831)	154,745	
93.242	Mental Health Research Grants	Pass-through	Salk Institute For Biological Studies	SUB0230285(MH1127630)	20,688	
93.242	Mental Health Research Grants	Pass-through	Salk Institute For Biological Studies Total		175,433	
93.242	Mental Health Research Grants	Pass-through	Sanford Burnham Prebys Medical Discovery Institute	SUB 59273-12708-UCSD (MH106865)	13,631	
93.242	Mental Health Research Grants	Pass-through	Sanford Burnham Prebys Medical Discovery Institute Total		13,631	
93.242	Mental Health Research Grants	Pass-through	Scicrunch	SUB 20182150 (MH119094)	208,862	
93.242	Mental Health Research Grants	Pass-through	Scicrunch Total		208,862	
93.242	Mental Health Research Grants	Pass-through	Social And Scientific Systems, Inc.	77683	(17,857)	
93.242	Mental Health Research Grants	Pass-through	Social And Scientific Systems, Inc. Total		(17,857)	
93.242	Mental Health Research Grants	Pass-through	Sofie Biosciences, Inc	2R44MH097271-05	25,028	
93.242	Mental Health Research Grants	Pass-through	Sofie Biosciences, Inc Total		25,028	
93.242	Mental Health Research Grants	Pass-through	Stanford University	60546456-108656.6	19,882	
93.242	Mental Health Research Grants	Pass-through	Stanford University	61540206-121859	304,546	
93.242	Mental Health Research Grants	Pass-through	Stanford University	61593944-123692	93,405	
93.242	Mental Health Research Grants	Pass-through	Stanford University	61835892-132392	337,894	
93.242	Mental Health Research Grants	Pass-through	Stanford University	62101628-128139	38,626	
93.242	Mental Health Research Grants	Pass-through	Stanford University	62199004-140720	439	
93.242	Mental Health Research Grants	Pass-through	Stanford University	81687	(1,040)	
93.242	Mental Health Research Grants	Pass-through	Stanford University	B6718	212	
93.242	Mental Health Research Grants	Pass-through	Stanford University	C0938	(2)	
93.242	Mental Health Research Grants	Pass-through	Stanford University	R01MH108319	131,283	
93.242	Mental Health Research Grants	Pass-through	Stanford University	SUB 6044056-108656 (MH100900)	(1,663)	
93.242	Mental Health Research Grants	Pass-through	Stanford University	SUB 62031592-127992 (MH114856)	79,746	
93.242	Mental Health Research Grants	Pass-through	Stanford University Total		1,803,327	
93.242	Mental Health Research Grants	Pass-through	Temple University	259238-01-UCSF	11,313	
93.242	Mental Health Research Grants	Pass-through	Temple University	264202-UC	277,774	
93.242	Mental Health Research Grants	Pass-through	Temple University Total		289,087	
93.242	Mental Health Research Grants	Pass-through	The Hektoen Institute Of Medicine	50081-R01-UCSF01	8,926	
93.242	Mental Health Research Grants	Pass-through	The Hektoen Institute Of Medicine	50082-R01-UCLA02.1	14,543	
93.242	Mental Health Research Grants	Pass-through	The Hektoen Institute Of Medicine Total		23,470	
93.242	Mental Health Research Grants	Pass-through	The Scripps Research Institute	SUB 5-50366 (MH100175)	299,475	
93.242	Mental Health Research Grants	Pass-through	The Scripps Research Institute Total		299,475	
93.242	Mental Health Research Grants	Pass-through	The University Of Alabama At Birmingham	000506211-002	100,498	
93.242	Mental Health Research Grants	Pass-through	The University Of Alabama At Birmingham	000519413-001	99,093	24,066
93.242	Mental Health Research Grants	Pass-through	The University Of Alabama At Birmingham Total		199,591	24,066
93.242	Mental Health Research Grants	Pass-through	Think-Now Inc.	20154140	(2,735)	
93.242	Mental Health Research Grants	Pass-through	Think-Now Inc. Total		(2,735)	
93.242	Mental Health Research Grants	Pass-through	Translucence Biosystems LLC	TB-5553950-CYC1	53,610	
93.242	Mental Health Research Grants	Pass-through	Translucence Biosystems LLC	TB-5566105	41,021	
93.242	Mental Health Research Grants	Pass-through	Translucence Biosystems LLC Total		94,631	
93.242	Mental Health Research Grants	Pass-through	University Of Cape Town	A125318	17,994	
93.242	Mental Health Research Grants	Pass-through	University Of Cape Town Total		17,994	
93.242	Mental Health Research Grants	Pass-through	University Of Chicago	FP056858-02-PR	45,738	
93.242	Mental Health Research Grants	Pass-through	University Of Chicago	FP067605-01-PR B	204,620	
93.242	Mental Health Research Grants	Pass-through	University Of Chicago	SUB AWD100409		
93.242	Mental Health Research Grants	Pass-through	University Of Chicago	SUB00000146(MH08)	89,700	
93.242	Mental Health Research Grants	Pass-through	University Of Chicago	SUB FP060924 (MH087214)	36,884	

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Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.242	Mental Health Research Grants	Pass-through	University Of Chicago Total		376,943	
93.242	Mental Health Research Grants	Pass-through	University Of Colorado Denver	B8779	(9)	
93.242	Mental Health Research Grants	Pass-through	University Of Colorado Denver Total		(9)	
93.242	Mental Health Research Grants	Pass-through	University Of Connecticut	136123	49,023	
93.242	Mental Health Research Grants	Pass-through	University Of Connecticut Total		49,023	
93.242	Mental Health Research Grants	Pass-through	University Of Florida	UFDS00012225	195,412	
93.242	Mental Health Research Grants	Pass-through	University Of Florida Total		195,412	
93.242	Mental Health Research Grants	Pass-through	University Of Illinois At Urbana-Champaign	17128.1	77,650	
93.242	Mental Health Research Grants	Pass-through	University Of Illinois At Urbana-Champaign Total		77,650	
93.242	Mental Health Research Grants	Pass-through	University Of Maryland, Baltimore	R01MH065034	202,767	
93.242	Mental Health Research Grants	Pass-through	University Of Maryland, Baltimore Total		202,767	
93.242	Mental Health Research Grants	Pass-through	University Of Massachusetts Amherst	SUB 18-010032 B00(MH114277)	54,200	
93.242	Mental Health Research Grants	Pass-through	University Of Massachusetts Amherst Total		54,200	
93.242	Mental Health Research Grants	Pass-through	University Of Miami	SUB 663805 (MH100942)	150,525	
93.242	Mental Health Research Grants	Pass-through	University Of Miami Total		150,525	
93.242	Mental Health Research Grants	Pass-through	University Of Michigan	3003844676-CYC5	16,342	
93.242	Mental Health Research Grants	Pass-through	University Of Michigan	3004476836	64,895	
93.242	Mental Health Research Grants	Pass-through	University Of Michigan	3004636437-CYC3	19,690	
93.242	Mental Health Research Grants	Pass-through	University Of Michigan	3004796644	42,524	
93.242	Mental Health Research Grants	Pass-through	University Of Michigan	SUBK00008746	585,231	
93.242	Mental Health Research Grants	Pass-through	University Of Michigan	SUBK00010093-CYC1	44,600	
93.242	Mental Health Research Grants	Pass-through	University Of Michigan	SUBK00010147	35,885	
93.242	Mental Health Research Grants	Pass-through	University Of Michigan Total		809,167	
93.242	Mental Health Research Grants	Pass-through	University Of Minnesota	N006175601	296	
93.242	Mental Health Research Grants	Pass-through	University Of Minnesota	N006909501	131,822	
93.242	Mental Health Research Grants	Pass-through	University Of Minnesota Total		132,119	
93.242	Mental Health Research Grants	Pass-through	University Of Missouri - St. Louis	00056433-2	75,991	
93.242	Mental Health Research Grants	Pass-through	University Of Missouri - St. Louis Total		75,991	
93.242	Mental Health Research Grants	Pass-through	University Of Nairobi	SR01MH115512-02	432,029	
93.242	Mental Health Research Grants	Pass-through	University Of Nairobi Total		432,029	
93.242	Mental Health Research Grants	Pass-through	University Of North Carolina At Chapel Hill	5101901	7,925	
93.242	Mental Health Research Grants	Pass-through	University Of North Carolina At Chapel Hill	5101902.4	36,438	
93.242	Mental Health Research Grants	Pass-through	University Of North Carolina At Chapel Hill	5104172	57,167	
93.242	Mental Health Research Grants	Pass-through	University Of North Carolina At Chapel Hill	5104173	155,567	
93.242	Mental Health Research Grants	Pass-through	University Of North Carolina At Chapel Hill	5107035	76,203	
93.242	Mental Health Research Grants	Pass-through	University Of North Carolina At Chapel Hill	A7710	(24)	
93.242	Mental Health Research Grants	Pass-through	University Of North Carolina At Chapel Hill Total		333,278	
93.242	Mental Health Research Grants	Pass-through	University Of Pennsylvania	8760F	63,816	
93.242	Mental Health Research Grants	Pass-through	University Of Pennsylvania	SUB 569829(MH109382)	94,560	
93.242	Mental Health Research Grants	Pass-through	University Of Pennsylvania Total		158,376	
93.242	Mental Health Research Grants	Pass-through	University Of Pittsburgh	0057692 (130512-1):1	132,828	
93.242	Mental Health Research Grants	Pass-through	University Of Pittsburgh	0061652 (131408-1)	9,999	
93.242	Mental Health Research Grants	Pass-through	University Of Pittsburgh	80968	(822)	
93.242	Mental Health Research Grants	Pass-through	University Of Pittsburgh Total		142,005	
93.242	Mental Health Research Grants	Pass-through	University Of Southern California	104020221	16,822	
93.242	Mental Health Research Grants	Pass-through	University Of Southern California	104478552.1	77,513	
93.242	Mental Health Research Grants	Pass-through	University Of Southern California	108530993.1	186,588	
93.242	Mental Health Research Grants	Pass-through	University Of Southern California	113864507	137,613	
93.242	Mental Health Research Grants	Pass-through	University Of Southern California	44748603.5	20,018	
93.242	Mental Health Research Grants	Pass-through	University Of Southern California	81570	(194)	
93.242	Mental Health Research Grants	Pass-through	University Of Southern California	87A3D	94,307	
93.242	Mental Health Research Grants	Pass-through	University Of Southern California	87B0E	764,259	
93.242	Mental Health Research Grants	Pass-through	University Of Southern California	90341158.2	89,772	
93.242	Mental Health Research Grants	Pass-through	University Of Southern California	90342607.1	1,190	
93.242	Mental Health Research Grants	Pass-through	University Of Southern California	SUB 96417636 (MH114829)	424,588	
93.242	Mental Health Research Grants	Pass-through	University Of Southern California Total		1,812,476	
93.242	Mental Health Research Grants	Pass-through	University Of Texas-Dallas	87A25	205,407	
93.242	Mental Health Research Grants	Pass-through	University Of Texas-Dallas Total		205,407	
93.242	Mental Health Research Grants	Pass-through	University Of Texas-Southwestern Medical Center At Dallas	GMO1096007 PO 0000001787-CYC1	241,149	
93.242	Mental Health Research Grants	Pass-through	University Of Texas-Southwestern Medical Center At Dallas Total		241,149	
93.242	Mental Health Research Grants	Pass-through	University Of Virginia	GB10691.P0#2133383	259,205	
93.242	Mental Health Research Grants	Pass-through	University Of Virginia Total		259,205	
93.242	Mental Health Research Grants	Pass-through	University Of Washington	3UH3MH106338 SUB UWSC11075	4,773	
93.242	Mental Health Research Grants	Pass-through	University Of Washington	(MH111520)	222,773	
93.242	Mental Health Research Grants	Pass-through	University Of Washington	UWSC10127	74,339	
93.242	Mental Health Research Grants	Pass-through	University Of Washington	UWSC8566	11,105	
93.242	Mental Health Research Grants	Pass-through	University Of Washington	UWSC9388	53,176	
93.242	Mental Health Research Grants	Pass-through	University Of Washington Total		366,166	
93.242	Mental Health Research Grants	Pass-through	Vanderbilt University	UNIV61086	15,257	
93.242	Mental Health Research Grants	Pass-through	Vanderbilt University Total		15,257	
93.242	Mental Health Research Grants	Pass-through	Veterans Medical Research Foundation Of San Diego	SUB 095810003-322636 (MH103421)	11,356	
93.242	Mental Health Research Grants	Pass-through	Veterans Medical Research Foundation Of San Diego Total		11,356	
93.242	Mental Health Research Grants	Pass-through	Virginia Polytechnic Institute And State University	R01MH110504	174,739	
93.242	Mental Health Research Grants	Pass-through	Virginia Polytechnic Institute And State University Total		174,739	
93.242	Mental Health Research Grants	Pass-through	Virtually Better, Inc.	20191615	239,551	
93.242	Mental Health Research Grants	Pass-through	Virtually Better, Inc.	77787	(6,143)	
93.242	Mental Health Research Grants	Pass-through	Virtually Better, Inc. Total		233,409	
93.242	Mental Health Research Grants	Pass-through	Washington University In St. Louis	SUB WU-19-35 (MH116031)	11,632	
93.242	Mental Health Research Grants	Pass-through	Washington University In St. Louis	WU-19-16	133,840	
93.242	Mental Health Research Grants	Pass-through	Washington University In St. Louis	WU-19-436	793,739	
93.242	Mental Health Research Grants	Pass-through	Washington University In St. Louis	WU-20-348	5,410	
93.242	Mental Health Research Grants	Pass-through	Washington University In St. Louis Total		944,621	
93.242	Mental Health Research Grants	Pass-through	Wayne State University	WSU16124	39,238	
93.242	Mental Health Research Grants	Pass-through	Wayne State University Total		39,238	
93.242	Mental Health Research Grants	Pass-through	Yale University	B4554 GR102864(CON- 80001339):4	76,866	
93.242	Mental Health Research Grants	Pass-through	Yale University	GR102867(CON- 80001335):6	9,624	
93.242	Mental Health Research Grants	Pass-through	Yale University	GR103397 (CON- 80001300):5	275,066	
93.242	Mental Health Research Grants	Pass-through	Yale University	GR103441 (CON- 80001302):4	205,323	
93.242	Mental Health Research Grants	Pass-through	Yale University		(27,941)	
93.242	Mental Health Research Grants	Pass-through	Yale University Total		538,938	
93.242	Mental Health Research Grants	Pass-through	University Of Colorado System	1556802	4,139	
93.242	Mental Health Research Grants	Pass-through	University Of Colorado System Total		4,139	
93.242	Mental Health Research Grants Total				174,470,593	18,006,088
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Direct	Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA)	Various	1,980,669	885,914
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Direct	Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA) Total		1,980,669	885,914
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	American Psychiatric Association	H79SM080818-01	218,423	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	American Psychiatric Association Total		218,423	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Hunter College	41973-00-03	10,208	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Hunter College Total		10,208	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	La Clinica De La Raza Fruitvale Health Project, Inc.	A132959	29,242	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	La Clínica De La Raza Fruitvale Health Project, Inc. Total		23,242	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Rand Corporation	9920170049.02	48,409	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Rand Corporation Total		48,409	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Santa Barbara, County Of	BC18-121	52,858	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Santa Barbara, County Of Total		52,858	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Skid Row Housing Trust	90-118	2,339	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Skid Row Housing Trust Total		2,339	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance Total				2,342,148	885,914
93.247	Advanced Nursing Education Workforce Grant Program	Direct	Health Resources and Services Administration (HRSA)	Various	1,195,430	37,667
93.247	Advanced Nursing Education Workforce Grant Program	Direct	Health Resources and Services Administration (HRSA) Total		1,195,430	37,667
93.247	Advanced Nursing Education Workforce Grant Program Total				1,195,430	37,667
93.250	Geriatric Academic Career Awards Department Of Health And Human Services	Direct	Health Resources and Services Administration (HRSA)	Various	75,885	
93.250	Geriatric Academic Career Awards Department Of Health And Human Services	Direct	Health Resources and Services Administration (HRSA) Total		75,885	
93.250	Geriatric Academic Career Awards Department Of Health And Human Services Total				75,885	
93.262	Occupational Safety And Health Program	Direct	Centers for Disease Control and Prevention (CDC)	Various	3,417,622	237,996
93.262	Occupational Safety And Health Program	Direct	Centers for Disease Control and Prevention (CDC) Total		3,417,622	237,996
93.262	Occupational Safety And Health Program	Pass-through	CPWR - The Center For Construction Research And Training	3001-613-01	55,069	
93.262	Occupational Safety And Health Program	Pass-through	CPWR - The Center For Construction Research And Training Total		55,069	
93.262	Occupational Safety And Health Program	Pass-through	Harvard University	112199-5106829	19,290	
93.262	Occupational Safety And Health Program	Pass-through	Harvard University Total		19,290	
93.262	Occupational Safety And Health Program	Pass-through	Stanford University	61405844-48844	82,551	
93.262	Occupational Safety And Health Program	Pass-through	Stanford University Total		82,551	
93.262	Occupational Safety And Health Program	Pass-through	University Of Wisconsin-Madison	707K545	43,679	
93.262	Occupational Safety And Health Program	Pass-through	University Of Wisconsin-Madison Total		43,679	
93.262	Occupational Safety And Health Program Total				3,618,210	237,996
93.266	Health Systems Strengthening And HIV/AIDS Prevention, Care And Treatment Under The President'S Emergency Plan For Aids Relief	Direct	Health Resources and Services Administration (HRSA)	Various	3,022,068	1,578,628
93.266	Health Systems Strengthening And HIV/AIDS Prevention, Care And Treatment Under The President'S Emergency Plan For Aids Relief	Direct	Health Resources and Services Administration (HRSA) Total		3,022,068	1,578,628
93.266	Health Systems Strengthening And HIV/AIDS Prevention, Care And Treatment Under The President'S Emergency Plan For Aids Relief Total				3,022,068	1,578,628
93.268	Immunization Cooperative Agreements	Pass-through	California Department Of Public Health	18-10092	14,941,849	
93.268	Immunization Cooperative Agreements	Pass-through	California Department Of Public Health	B1548	(118,452)	
93.268	Immunization Cooperative Agreements	Pass-through	California Department Of Public Health Total		14,823,397	
93.268	Immunization Cooperative Agreements Total				14,823,397	
93.273	Alcohol Research Programs	Direct	National Institutes of Health (NIH)	Various	20,893,460	2,834,366
93.273	Alcohol Research Programs	Direct	National Institutes of Health (NIH) Total		20,893,460	2,834,366
93.273	Alcohol Research Programs	Pass-through	Brown University	00001122.2	25,072	
93.273	Alcohol Research Programs	Pass-through	Brown University Total		25,072	
93.273	Alcohol Research Programs	Pass-through	California State University, San Diego State University	SA0000659	14,399	
93.273	Alcohol Research Programs	Pass-through	California State University, San Diego State University	SUB SA0000641(AA026994)	66,887	
93.273	Alcohol Research Programs	Pass-through	California State University, San Diego State University	SUB SA0000707 (AA026997)	12,899	
93.273	Alcohol Research Programs	Pass-through	California State University, San Diego State University Total		94,175	
93.273	Alcohol Research Programs	Pass-through	Case Western Reserve University	1273-SUB	22,827	
93.273	Alcohol Research Programs	Pass-through	Case Western Reserve University Total		22,827	
93.273	Alcohol Research Programs	Pass-through	Cedars-Sinai Medical Center	SUB 0001493560 (AA027036)	52,751	
93.273	Alcohol Research Programs	Pass-through	Cedars-Sinai Medical Center Total		52,751	
93.273	Alcohol Research Programs	Pass-through	Children's Hospital Los Angeles	RGF010036-B-2	77,003	
93.273	Alcohol Research Programs	Pass-through	Children's Hospital Los Angeles Total		77,003	
93.273	Alcohol Research Programs	Pass-through	Children's National Health System	877G8	2,308	
93.273	Alcohol Research Programs	Pass-through	Children's National Health System Total		2,308	
93.273	Alcohol Research Programs	Pass-through	Cleveland Clinic Foundation	SUB 733-SUB(NS100610)	68,654	
93.273	Alcohol Research Programs	Pass-through	Cleveland Clinic Foundation Total		68,654	
93.273	Alcohol Research Programs	Pass-through	Douleur Therapeutics Inc.	89B6B	37,886	
93.273	Alcohol Research Programs	Pass-through	Douleur Therapeutics Inc. Total		37,886	
93.273	Alcohol Research Programs	Pass-through	Florida State University	SUB R01979 (AA022891)	1,334	
93.273	Alcohol Research Programs	Pass-through	Florida State University Total		1,334	
93.273	Alcohol Research Programs	Pass-through	Indiana University	8392	28,178	
93.273	Alcohol Research Programs	Pass-through	Indiana University Total		28,178	
93.273	Alcohol Research Programs	Pass-through	Kaiser Permanente Division Of Research	RNG209393-UCSF-03	56,708	
93.273	Alcohol Research Programs	Pass-through	Kaiser Permanente Division Of Research Total		56,708	
93.273	Alcohol Research Programs	Pass-through	Rand Corporation	9920130157.07	20,973	
93.273	Alcohol Research Programs	Pass-through	Rand Corporation	9920170096.01	91,498	
93.273	Alcohol Research Programs	Pass-through	Rand Corporation Total		112,472	
93.273	Alcohol Research Programs	Pass-through	Southern California Institute For Research And Education	77381	39,464	
93.273	Alcohol Research Programs	Pass-through	Southern California Institute For Research And Education	77872	109,072	
93.273	Alcohol Research Programs	Pass-through	Southern California Institute For Research And Education Total		148,536	
93.273	Alcohol Research Programs	Pass-through	SRI International	SUB P017058 (AA021697)	62,265	
93.273	Alcohol Research Programs	Pass-through	SRI International Total		62,265	
93.273	Alcohol Research Programs	Pass-through	Suny Downstate Medical Center	SUB 1009189 (AA008401)	463,932	
93.273	Alcohol Research Programs	Pass-through	Suny Downstate Medical Center Total		463,932	
93.273	Alcohol Research Programs	Pass-through	Syracuse University	29625-04959-S02	22,683	
93.273	Alcohol Research Programs	Pass-through	Syracuse University Total		22,683	
93.273	Alcohol Research Programs	Pass-through	The Scripps Research Institute	5-53745.2	22,450	
93.273	Alcohol Research Programs	Pass-through	The Scripps Research Institute	SUB 5-53976 (AA006420-36)	153,677	
93.273	Alcohol Research Programs	Pass-through	The Scripps Research Institute	SUB 5-53977 (AA006420-36)	295,362	
93.273	Alcohol Research Programs	Pass-through	The Scripps Research Institute Total		471,489	
93.273	Alcohol Research Programs	Pass-through	The University Of Alabama At Birmingham	SUB 000512064-003 (AA020802)	190,689	
93.273	Alcohol Research Programs	Pass-through	The University Of Alabama At Birmingham Total		190,689	
93.273	Alcohol Research Programs	Pass-through	University Of Cape Town	IRMA 30491	(11,091)	
93.273	Alcohol Research Programs	Pass-through	University Of Cape Town Total		(11,091)	
93.273	Alcohol Research Programs	Pass-through	University Of Colorado Denver	FY19.580.004	18,220	
93.273	Alcohol Research Programs	Pass-through	University Of Colorado Denver Total		18,220	
93.273	Alcohol Research Programs	Pass-through	University Of Missouri - Kansas City	R01AA0201510	31,661	
93.273	Alcohol Research Programs	Pass-through	University Of Missouri - Kansas City Total		31,661	
93.273	Alcohol Research Programs	Pass-through	University Of New Mexico	028402-873N-4	1,868	
93.273	Alcohol Research Programs	Pass-through	University Of New Mexico Total		1,868	
93.273	Alcohol Research Programs	Pass-through	University Of Southern California	115959767	193,861	

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93.273	Alcohol Research Programs	Pass-through	University Of Southern California	116943275	22,634	
93.273	Alcohol Research Programs	Pass-through	University Of Southern California	116943373	28,080	
93.273	Alcohol Research Programs	Pass-through	University Of Southern California	SUB 115957438 (AA011999)	42,982	
93.273	Alcohol Research Programs	Pass-through	University Of Southern California	SUB 115958500 (AA011999)	88,453	
93.273	Alcohol Research Programs	Pass-through	University Of Southern California	SUB 115958813 (AA011999)	168,684	
93.273	Alcohol Research Programs	Pass-through	University Of Southern California	SUB 120835816 (AA025470)	92,428	
93.273	Alcohol Research Programs	Pass-through	University Of Southern California	SUB 93814100 (AA18663)	47,736	
93.273	Alcohol Research Programs	Pass-through	University Of Southern California Total	SUB - BD02660 131213(NS092870)	684,858	
93.273	Alcohol Research Programs	Pass-through	University Of Wisconsin-Madison	VPA MANDYAM (AA020098)	68,815	
93.273	Alcohol Research Programs	Pass-through	Veterans Medical Research Foundation Of San Diego		68,815	
93.273	Alcohol Research Programs Total				23,636,919	2,834,366
93.279	Drug Abuse And Addiction Research Programs	Direct	National Institutes Of Health (NIH)	Various	72,192,582	13,605,997
93.279	Drug Abuse And Addiction Research Programs	Direct	National Institutes Of Health (NIH) Total		72,192,582	13,605,997
93.279	Drug Abuse And Addiction Research Programs	Pass-through	American Academy Of Child & Adolescent Psychiatry	20164307.3 SUB 20163988 (DA000357)	199,232	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	American Academy Of Child & Adolescent Psychiatry	AT1-202776	36,787	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	American Academy Of Child & Adolescent Psychiatry Total		236,019	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Anteana Therapeutics, Inc.	2R42DA044788-02	170,059	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Anteana Therapeutics, Inc. Total		170,059	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Automate Scientific, Inc.	NIHNIDA 1R41DA044788-01	77,565	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Automate Scientific, Inc.		(34,079)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Automate Scientific, Inc. Total		43,486	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Boston Medical Center Corporation	88021	431	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Boston Medical Center Corporation	SUB 617070535601(DA045547)	21,978	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Boston Medical Center Corporation Total		22,409	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Boston University	4500001814	(19,649)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Boston University Total		(19,649)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Brown University	00001523	8,461	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Brown University Total		8,461	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	California State University, San Diego State University	SA0000721 SUB SA000072 (DA042666)	16,364	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	California State University, San Diego State University		122,446	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	California State University, San Diego State University Total		138,811	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Children's Hospital Los Angeles	RGF009209-A6	852,019	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Children's Hospital Los Angeles Total		852,019	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Children's Hospital Of Philadelphia	SUB 8902890618 (H0000850)	(505)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Children's Hospital Of Philadelphia Total		(505)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Columbia University	1 (GG011510)	197,529	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Columbia University Total		197,529	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Dartmouth College	R1049.1	399,527	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Dartmouth College	R1057	187,823	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Dartmouth College Total		587,349	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Duke University	8797G	26,255	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Duke University	A03-2098	31,673	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Duke University	SUB A039115(HHSN27520100 00031)	51,282	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Duke University Total		109,210	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Fordham University	898G7 FORD0036 (R25 DA031608)	1,745	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Fordham University	FORD0037	5,346	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Fordham University	FORD0042 (DA031608)	(91)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Fordham University Total		21,812	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Fred Hutchinson Cancer Research Center	0000970303	132,115	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Fred Hutchinson Cancer Research Center Total		132,115	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Gladstone Institutes	R2512-A	216,360	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Gladstone Institutes	R2512-B	204,566	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Gladstone Institutes Total		420,926	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Heluna Health	0391.0103	57,530	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Heluna Health	A133064	(3,026)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Heluna Health Total		54,504	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Hunter College	41996-A	3,442	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Hunter College Total		3,442	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-C341-4609	30,695	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Icahn School Of Medicine At Mount Sinai Total		30,695	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	International Rett Syndrome Foundation	SUB 20160918 (H061222)	10,652	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	International Rett Syndrome Foundation Total		10,652	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	IQ Solutions Inc.	879F0	499	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	IQ Solutions Inc. Total		499	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Kaiser Permanente Division Of Research	RNG200340-UJCSF-01	(4,946)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Kaiser Permanente Division Of Research Total		(4,946)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Medical University Of South Carolina	SUB MUSC18-041-8D268 (DA044438)	81,988	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Medical University Of South Carolina	SUB MUSC19-010-8D703 (DA045300)	64,558	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Medical University Of South Carolina Total		146,546	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Nanoclect Biomedical, Inc.	20200994	98,235	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Nanoclect Biomedical, Inc. Total		98,235	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	New York University	19-A0-S6-003671	118,136	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	New York University	19-A0-S9-003671	27,374	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	New York University	80235	(15)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	New York University	80499	(725)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	New York University Total		144,779	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Northwestern University	60044679 UCI	47,633	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Northwestern University Total		47,633	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Oregon Health & Science University	1003544 UCI-CYC9	210,042	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Oregon Health & Science University	1015420 UCI-RVINE	105,380	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Oregon Health & Science University	1017225 UCSF_A1	8,000	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Oregon Health & Science University	SUB 1012971 UCSF(DA04607 7)	89,327	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Oregon Health & Science University	UCSF A125686	1,113	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Oregon Health & Science University Total		413,863	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Q21, LLC	1R42DA050398-01	115,682	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Q21, LLC Total		115,682	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Rand Corporation	9920190051	25,607	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Rand Corporation	R01DA046226	62,830	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Rand Corporation	SCON-00000250	42,608	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Rand Corporation	SUB 9920170060 (DA044073)	7,655	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Rand Corporation Total		138,699	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	RTI International	1R01DA038632-01	856	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	RTI International	2-312-0216573-65365L	15,794	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	RTI International	5-312-0216621-65427L	112,097	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	RTI International	8-312-0216621-65699L	27,563	

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93.279	Drug Abuse And Addiction Research Programs	Pass-through	RTI International Total		156,389	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	San Francisco Public Health Foundation	1R01DA045690 - 01A1	51,389	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	San Francisco Public Health Foundation Total		51,389	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Sanford Burnham Prebys Medical Discovery Institute	8787G	342,676	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Sanford Burnham Prebys Medical Discovery Institute Total		342,676	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Stanford University	62097886-26345	209,930	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Stanford University Total		209,930	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Stochastech Corporation	8771C	(1,331)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Stochastech Corporation Total		(1,331)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Texas Christian University	25935-LESA19-00	11,817	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Texas Christian University Total		11,817	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	The Scripps Research Institute	874E1	52,971	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	The Scripps Research Institute	876F6	201	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	The Scripps Research Institute	87A00	1,426	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	The Scripps Research Institute	SUB 5-53784 (A043268)	22,985	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	The Scripps Research Institute Total		77,583	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Chicago	AWD059270-01 (SUB00000049)	92,006	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Chicago	AWD100228 (SUB00000208)	37,288	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Chicago	FP060079-01-PR	103,012	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Chicago Total		232,306	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Colorado Denver	SUB NONE (DA035804)	48,400	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Colorado Denver Total		48,400	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Georgia	SUB00000337-6	3,962	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Georgia Total		3,962	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Kansas/KU Center For Research, Inc.	B3907	(30)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Kansas/KU Center For Research, Inc. Total		(30)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Michigan	R01DA045705	26,372	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Michigan	SUB 3004429839 (U01DA043098)	165,076	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Michigan	SUBK00010479-CYC1	44,210	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Michigan Total		235,658	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Nevada, Reno	8728C	38,979	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Nevada, Reno Total		38,979	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of New Mexico	2R01DA016017-12	142,899	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of New Mexico Total		142,899	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of New South Wales	SUB RG192392-UCSD (DA044170)	(18,127)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of New South Wales Total		(18,127)	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Pittsburgh	0046202-CYC4	22,067	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Pittsburgh Total		22,067	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Southern California	87935113	108,987	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Southern California Total		108,987	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Texas-Southwestern Medical Center At Dallas	GMO 190412	256,902	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Texas-Southwestern Medical Center At Dallas Total		256,902	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Utah	SUB 10045277-02(DA043775)	12,466	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Utah Total		12,466	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Washington	UWSC10591	16,632	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	University Of Washington Total		16,632	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA MANDYAM (DA034140)	17,305	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Veterans Medical Research Foundation Of San Diego Total		17,305	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Washington University In St. Louis	WU-18-234-MOD-2	2,761	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Washington University In St. Louis	WU-20-115	3,219	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Washington University In St. Louis Total		5,980	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Yale University	GR106902 (CON-80001833)	56,132	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Yale University	GR107284 (CON-80002106)	88,062	
93.279	Drug Abuse And Addiction Research Programs	Pass-through	Yale University Total		144,194	
93.279	Drug Abuse And Addiction Research Programs Total				78,429,761	13,605,997
93.281	Mental Health Research Career/Scientist Development Awards	Direct	National Institutes Of Health (NIH)	Various	83,828	
93.281	Mental Health Research Career/Scientist Development Awards	Direct	National Institutes Of Health (NIH) Total		83,828	
93.281	Mental Health Research Career/Scientist Development Awards Total				83,828	
93.282	Mental Health National Research Service Awards For Research Training	Direct	National Institutes Of Health (NIH)	Various	360,809	
93.282	Mental Health National Research Service Awards For Research Training	Direct	National Institutes Of Health (NIH) Total		360,809	
93.282	Mental Health National Research Service Awards For Research Training Total				360,809	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance	Direct	Centers for Disease Control and Prevention (CDC)	Various	845,356	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance	Direct	Centers for Disease Control and Prevention (CDC) Total		845,356	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance	Pass-through	American Thrombosis And Hemostasis Network	SUB ATHN2015-ATHN1 EXTENSION	2,692	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance	Pass-through	American Thrombosis And Hemostasis Network Total		2,692	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance	Pass-through	California Department Of Public Health	A18-2634-S001	12,398	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance	Pass-through	California Department Of Public Health Total		12,398	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance	Pass-through	Harvard Pilgrim Health Care	HPHC-205795	164,744	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance	Pass-through	Harvard Pilgrim Health Care Total		164,744	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance Total				1,025,191	
93.283	COVID-19 - Centers For Disease Control And Prevention Investigations And Technical Assistance	Pass-through	Olive View-Ucla Education & Research Institute, Inc.	19-33	13,975	
93.283	COVID-19 - Centers For Disease Control And Prevention Investigations And Technical Assistance	Pass-through	Olive View-Ucla Education & Research Institute, Inc. Total		13,975	
93.283	COVID-19 - Centers For Disease Control And Prevention Investigations And Technical Assistance Total				13,975	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Direct	National Institutes Of Health (NIH)	Various	36,325,158	4,610,095
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Direct	National Institutes Of Health (NIH) Total		36,325,158	4,610,095
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Aptitude Medical	1R43EB025095-01	4,944	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Aptitude Medical Total		4,944	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Case Western Reserve University	R01EB028635	173,326	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Case Western Reserve University	RESS14345	72,486	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Case Western Reserve University Total		245,812	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Celsense, Inc.	SUB 20183800(EB023761)	836	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Celsense, Inc.	SUB 20194123(EB023761)	48,012	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Celsense, Inc. Total		48,848	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Emory University	89BD0	27,797	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Emory University	A248488	65,309	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Emory University	T494666	53,766	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Emory University Total		146,872	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	GE Global Research	401115242	186,072	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	GE Global Research Total		186,072	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Indiana University	SUB BL-4629710(EB023685)	92,418	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Indiana University Total		92,418	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	UNI-232985-02	107,254	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research Total		107,254	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Northeastern University	79811	(2,611)	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Northeastern University Total		(2,611)	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Northwestern University	8711F	(219)	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Northwestern University Total		(219)	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Sofie Biosciences, Inc	A132313	285,491	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Sofie Biosciences, Inc Total		285,491	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Stanford University	60664402-113972	110,781	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Stanford University	61799594-131106	136,004	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Stanford University	61947242-44290	347,844	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Stanford University	876AC	87,971	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Stanford University	R01EB028646	3,949	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Stanford University Total		686,549	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	University Of Arizona	482236	48,049	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	University Of Arizona Total		48,049	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	University Of Massachusetts Medical School	873GD	240,542	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	University Of Massachusetts Medical School	WA00433491/OSP2016197	64,200	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	University Of Massachusetts Medical School Total		304,742	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	University Of Memphis	20142031	99,867	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	University Of Memphis	A124520	18,106	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	University Of Memphis	SUB NONE (EB020404)	7,454	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	University Of Memphis Total		125,427	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Yale University	GR100859 (CON-80000939)	403	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	Yale University Total		403	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	TF Instruments	A132300	7,452	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health	Pass-through	TF Instruments Total		7,452	
93.286	Discovery And Applied Research For Technological Innovations To Improve Human Health Total				38,612,660	4,610,095
93.292	National Public Health Improvement Initiative	Direct	Centers for Disease Control and Prevention (CDC)	20171404-07	10,258	
93.292	National Public Health Improvement Initiative	Direct	Centers for Disease Control and Prevention (CDC) Total		10,258	
93.292	National Public Health Improvement Initiative Total				10,258	
93.297	Teenage Pregnancy Prevention Program	Direct	Office of the Assistant Secretary for Health (OASH)	Various	906,123	27,604
93.297	Teenage Pregnancy Prevention Program	Direct	Office of the Assistant Secretary for Health (OASH) Total		906,123	27,604
93.297	Teenage Pregnancy Prevention Program Total				906,123	27,604
93.300	National Center For Health Workforce Analysis	Direct	Health Resources and Services Administration (HRSA)	Various	584,626	16,620
93.300	National Center For Health Workforce Analysis	Direct	Health Resources and Services Administration (HRSA) Total		584,626	16,620
93.300	National Center For Health Workforce Analysis	Pass-through	Health Research, Inc.	4925-04	127,232	
93.300	National Center For Health Workforce Analysis	Pass-through	Health Research, Inc. Total		127,232	
93.300	National Center For Health Workforce Analysis Total				711,858	16,620
93.307	Minority Health And Health Disparities Research	Direct	National Institutes of Health (NIH)	Various	12,043,452	1,958,440
93.307	Minority Health And Health Disparities Research	Direct	National Institutes of Health (NIH) Total		12,043,452	1,958,440
93.307	Minority Health And Health Disparities Research	Pass-through	Albert Einstein College Of Medicine	SUB-31106A(MD011389)	119,067	
93.307	Minority Health And Health Disparities Research	Pass-through	Albert Einstein College Of Medicine Total		119,067	
93.307	Minority Health And Health Disparities Research	Pass-through	American College Of Surgeons	24292GP001UCLA-2	33,003	
93.307	Minority Health And Health Disparities Research	Pass-through	American College Of Surgeons Total		33,003	
93.307	Minority Health And Health Disparities Research	Pass-through	Charles R. Drew University Of Medicine And Science	20164501	3,419	
93.307	Minority Health And Health Disparities Research	Pass-through	Charles R. Drew University Of Medicine And Science	20183816	131,978	
93.307	Minority Health And Health Disparities Research	Pass-through	Charles R. Drew University Of Medicine And Science	20193801	91,694	
93.307	Minority Health And Health Disparities Research	Pass-through	Charles R. Drew University Of Medicine And Science Total		227,091	
93.307	Minority Health And Health Disparities Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	305328	18,779	
93.307	Minority Health And Health Disparities Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	308648	44,847	
93.307	Minority Health And Health Disparities Research	Pass-through	Children's Hospital Medical Center Of Cincinnati Total		63,626	
93.307	Minority Health And Health Disparities Research	Pass-through	Heluna Health	5R01MD010678-05	4,707	
93.307	Minority Health And Health Disparities Research	Pass-through	Heluna Health Total		4,707	
93.307	Minority Health And Health Disparities Research	Pass-through	Meharry Medical College	170406MFL060	27,729	
93.307	Minority Health And Health Disparities Research	Pass-through	Meharry Medical College Total		27,729	
93.307	Minority Health And Health Disparities Research	Pass-through	Morehouse College	81069	10,244	
93.307	Minority Health And Health Disparities Research	Pass-through	Morehouse College Total		10,244	
93.307	Minority Health And Health Disparities Research	Pass-through	New York University School Of Medicine	17-AA-00-007341-01	78,060	
93.307	Minority Health And Health Disparities Research	Pass-through	New York University School Of Medicine Total		78,060	
93.307	Minority Health And Health Disparities Research	Pass-through	Northwestern University	SP0041722-PROOJ0011727-A02	27,893	
93.307	Minority Health And Health Disparities Research	Pass-through	Northwestern University Total		27,893	
93.307	Minority Health And Health Disparities Research	Pass-through	Pacific Institute For Research And Evaluation	8728B	13,451	
93.307	Minority Health And Health Disparities Research	Pass-through	Pacific Institute For Research And Evaluation	87ACD	25,311	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.307	Minority Health And Health Disparities Research	Pass-through	Pacific Institute For Research And Evaluation Total		38,762	
93.307	Minority Health And Health Disparities Research	Pass-through	Rand Corporation	9920160089-1	38,228	
93.307	Minority Health And Health Disparities Research	Pass-through	Rand Corporation	9920180006-02	21,045	
93.307	Minority Health And Health Disparities Research	Pass-through	Rand Corporation	SCON-00000204	31,019	
93.307	Minority Health And Health Disparities Research	Pass-through	Rand Corporation Total		135,292	
93.307	Minority Health And Health Disparities Research	Pass-through	Saint Barnabas Medical Center	58093	(2,195)	
93.307	Minority Health And Health Disparities Research	Pass-through	Saint Barnabas Medical Center Total		(2,195)	
93.307	Minority Health And Health Disparities Research	Pass-through	University Of Colorado Denver	FY19.001.005-CYC2	78,117	
93.307	Minority Health And Health Disparities Research	Pass-through	University Of Colorado Denver Total		78,117	
93.307	Minority Health And Health Disparities Research	Pass-through	University Of North Carolina At Chapel Hill	5112764	36,442	
93.307	Minority Health And Health Disparities Research	Pass-through	University Of North Carolina At Chapel Hill Total		36,442	
93.307	Minority Health And Health Disparities Research	Pass-through	University Of North Texas Health Science Center	RF00115-2018-0131	5,918	
93.307	Minority Health And Health Disparities Research	Pass-through	University Of North Texas Health Science Center Total		5,918	
93.307	Minority Health And Health Disparities Research	Pass-through	University Of Pittsburgh	0047269 (126836-1)3 CNVA00056157 (130212-2)	5,957	
93.307	Minority Health And Health Disparities Research	Pass-through	University Of Pittsburgh		123,337	
93.307	Minority Health And Health Disparities Research	Pass-through	University Of Pittsburgh Total		123,293	
93.307	Minority Health And Health Disparities Research Total				13,056,503	1,958,440
93.310	Trans-NIH Research Support	Direct	National Institutes of Health (NIH)	Various	60,700,968	9,934,386
93.310	Trans-NIH Research Support	Direct	National Institutes of Health (NIH) Total		60,700,968	9,934,386
93.310	Trans-NIH Research Support	Pass-through	Buck Institute For Research On Aging	SA40008-UCB	119,896	
93.310	Trans-NIH Research Support	Pass-through	Buck Institute For Research On Aging Total		119,896	
93.310	Trans-NIH Research Support	Pass-through	California State University, San Francisco State University	1RL5MD009599-01	1,072	
93.310	Trans-NIH Research Support	Pass-through	California State University, San Francisco State University	9516-0015	27,150	
93.310	Trans-NIH Research Support	Pass-through	California State University, San Francisco State University	S16-0016	44	
93.310	Trans-NIH Research Support	Pass-through	California State University, San Francisco State University	S19-0019	613,313	
93.310	Trans-NIH Research Support	Pass-through	California State University, San Francisco State University	S20-0002	66,111	
93.310	Trans-NIH Research Support	Pass-through	California State University, San Francisco State University	S20-0003	272,244	
93.310	Trans-NIH Research Support	Pass-through	California State University, San Francisco State University Total		979,965	
93.310	Trans-NIH Research Support	Pass-through	Carnegie Mellon University	A19-0387-002	55,295	
93.310	Trans-NIH Research Support	Pass-through	Carnegie Mellon University Total		55,295	
93.310	Trans-NIH Research Support	Pass-through	Columbia University	1(GG011868-03);2	1,290	
93.310	Trans-NIH Research Support	Pass-through	Columbia University Total		1,290	
93.310	Trans-NIH Research Support	Pass-through	Drexel University	A18-2664	290,063	
93.310	Trans-NIH Research Support	Pass-through	Drexel University	A18-2666	164,574	
93.310	Trans-NIH Research Support	Pass-through	Drexel University Total		454,637	
93.310	Trans-NIH Research Support	Pass-through	Duke University	A03-2346	8,988	
93.310	Trans-NIH Research Support	Pass-through	Duke University	A03-2350	21,661	
93.310	Trans-NIH Research Support	Pass-through	Duke University	A03-2352	45,953	
93.310	Trans-NIH Research Support	Pass-through	Duke University Total		76,601	
93.310	Trans-NIH Research Support	Pass-through	Gladstone Institutes	R2500-A	106,011	
93.310	Trans-NIH Research Support	Pass-through	Gladstone Institutes Total		106,011	
93.310	Trans-NIH Research Support	Pass-through	Harvard Pilgrim Health Care	PH000615C	36,206	
93.310	Trans-NIH Research Support	Pass-through	Harvard Pilgrim Health Care Total		36,206	
93.310	Trans-NIH Research Support	Pass-through	Harvard University	81819	(126,294)	
93.310	Trans-NIH Research Support	Pass-through	Harvard University Total		(126,294)	
93.310	Trans-NIH Research Support	Pass-through	Jackson Laboratory, The	3UM1OD023222-08S3	144,463	115,319
93.310	Trans-NIH Research Support	Pass-through	Jackson Laboratory, The Total		144,463	115,319
93.310	Trans-NIH Research Support	Pass-through	Johns Hopkins University	A20-0357	23,112	
93.310	Trans-NIH Research Support	Pass-through	Johns Hopkins University Total		23,112	
93.310	Trans-NIH Research Support	Pass-through	Ludwig Institute For Cancer Research	SUB 242301-05003A (DK107977)	354,064	
93.310	Trans-NIH Research Support	Pass-through	Ludwig Institute For Cancer Research	SUB 242301-05003B (DK107977)	304,805	
93.310	Trans-NIH Research Support	Pass-through	Ludwig Institute For Cancer Research Total		658,870	
93.310	Trans-NIH Research Support	Pass-through	Medical College Of Wisconsin	11B	4,708	
93.310	Trans-NIH Research Support	Pass-through	Medical College Of Wisconsin	U24HG010423	71,419	
93.310	Trans-NIH Research Support	Pass-through	Medical College Of Wisconsin Total		76,128	
93.310	Trans-NIH Research Support	Pass-through	Morehouse School Of Medicine	U01UCI003	35,597	
93.310	Trans-NIH Research Support	Pass-through	Morehouse School Of Medicine Total		35,597	
93.310	Trans-NIH Research Support	Pass-through	New York University	16-AA-00-006256-01	202,118	
93.310	Trans-NIH Research Support	Pass-through	New York University	19-AA-00-1003237	418,683	
93.310	Trans-NIH Research Support	Pass-through	New York University Total		620,801	
93.310	Trans-NIH Research Support	Pass-through	Northwestern University	60054840 UCSF	162,879	
93.310	Trans-NIH Research Support	Pass-through	Northwestern University Total		162,879	
93.310	Trans-NIH Research Support	Pass-through	Ohio State University	60072959	219,464	
93.310	Trans-NIH Research Support	Pass-through	Ohio State University Total		219,464	
93.310	Trans-NIH Research Support	Pass-through	Research Foundation For State University Of New York, The	R1112800(CA221244)	123,991	
93.310	Trans-NIH Research Support	Pass-through	Research Foundation For State University Of New York, The	U01CA221244	6,314	
93.310	Trans-NIH Research Support	Pass-through	Research Foundation For State University Of New York, The Total		130,305	
93.310	Trans-NIH Research Support	Pass-through	Rhode Island Hospital	7137538	176,048	
93.310	Trans-NIH Research Support	Pass-through	Rhode Island Hospital Total		176,048	
93.310	Trans-NIH Research Support	Pass-through	Sage Bionetworks	879A3	(62,730)	
93.310	Trans-NIH Research Support	Pass-through	Sage Bionetworks	SUB AOU2018UCSD2 (OD023176)	66,103	
93.310	Trans-NIH Research Support	Pass-through	Sage Bionetworks Total		3,372	
93.310	Trans-NIH Research Support	Pass-through	Salk Institute For Biological Studies	89C30	72,608	
93.310	Trans-NIH Research Support	Pass-through	Salk Institute For Biological Studies	SUB NONE (EB021247)	260,253	
93.310	Trans-NIH Research Support	Pass-through	Salk Institute For Biological Studies Total		332,861	
93.310	Trans-NIH Research Support	Pass-through	The California Medical Innovations Institute, Inc.	OT20D025308	19,785	
93.310	Trans-NIH Research Support	Pass-through	The California Medical Innovations Institute, Inc. Total		19,785	
93.310	Trans-NIH Research Support	Pass-through	The Scripps Research Institute	SUB 5-53190 (OD023176)	(3,545)	
93.310	Trans-NIH Research Support	Pass-through	The Scripps Research Institute Total		(3,545)	
93.310	Trans-NIH Research Support	Pass-through	University Of Auckland	SUB 3714493 (OD025349)	1,032,447	
93.310	Trans-NIH Research Support	Pass-through	University Of Auckland Total		1,032,447	
93.310	Trans-NIH Research Support	Pass-through	University Of Connecticut	U0HC7-61884479-CYC3	913	
93.310	Trans-NIH Research Support	Pass-through	University Of Connecticut Total		913	
93.310	Trans-NIH Research Support	Pass-through	University Of Illinois At Chicago	D3123	(40,696)	
93.310	Trans-NIH Research Support	Pass-through	University Of Illinois At Chicago Total		(40,696)	
93.310	Trans-NIH Research Support	Pass-through	University Of Illinois At Urbana-Champaign	093670-17188	1,782,748	
93.310	Trans-NIH Research Support	Pass-through	University Of Illinois At Urbana-Champaign Total		1,782,748	
93.310	Trans-NIH Research Support	Pass-through	University Of Iowa	SUB 500564-02 (AG055133)	22,653	
93.310	Trans-NIH Research Support	Pass-through	University Of Iowa Total		22,653	
93.310	Trans-NIH Research Support	Pass-through	University Of Maryland	OD025459	522,582	
93.310	Trans-NIH Research Support	Pass-through	University Of Maryland Total		522,582	
93.310	Trans-NIH Research Support	Pass-through	University Of Massachusetts Amherst	WA00363865/OSP201610	148,512	
93.310	Trans-NIH Research Support	Pass-through	University Of Massachusetts Amherst Total		148,512	
93.310	Trans-NIH Research Support	Pass-through	University Of New Mexico	3RBL1	(25,584)	
93.310	Trans-NIH Research Support	Pass-through	University Of New Mexico	3RGH1	376,889	
93.310	Trans-NIH Research Support	Pass-through	University Of New Mexico Total		351,304	
93.310	Trans-NIH Research Support	Pass-through	University Of North Carolina At Chapel Hill	5111421	372,153	
93.310	Trans-NIH Research Support	Pass-through	University Of North Carolina At Chapel Hill Total		372,153	
93.310	Trans-NIH Research Support	Pass-through	University Of Rochester	416985-GIUR FAO GR510571-CYC4	164,509	
93.310	Trans-NIH Research Support	Pass-through	University Of Rochester Total		164,509	
93.310	Trans-NIH Research Support	Pass-through	University Of Southern California	68588929	11,327	
93.310	Trans-NIH Research Support	Pass-through	University Of Southern California	89620331-2 SUB 111515702 (CA229445)	10,805	
93.310	Trans-NIH Research Support	Pass-through	University Of Southern California Total		59,603	
93.310	Trans-NIH Research Support	Pass-through	University Of Washington	UWSC10689	1,028,436	
93.310	Trans-NIH Research Support	Pass-through	University Of Washington	UWSC11544	145,949	
93.310	Trans-NIH Research Support	Pass-through	University Of Washington Total		1,174,385	

University of California
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Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.310	Trans-NIH Research Support	Pass-through	University Of Wisconsin-Madison	0000000302	510,453	
93.310	Trans-NIH Research Support	Pass-through	University Of Wisconsin-Madison	1U01GM132372-01	42,109	
93.310	Trans-NIH Research Support	Pass-through	University Of Wisconsin-Madison Total		552,563	
93.310	Trans-NIH Research Support	Pass-through	Wake Forest University	U54DA049113	9,527	
93.310	Trans-NIH Research Support	Pass-through	Wake Forest University Total		9,527	
93.310	Trans-NIH Research Support	Pass-through	Women & Infants Hospital Of Rhode Island	UH3OD023313	222,349	
93.310	Trans-NIH Research Support	Pass-through	Women & Infants Hospital Of Rhode Island Total		222,349	
93.310	Trans-NIH Research Support	Pass-through	Yeshiva University	310036	386,593	
93.310	Trans-NIH Research Support	Pass-through	Yeshiva University Total		386,593	
93.310	Trans-NIH Research Support Total				71,766,858	10,049,705
93.317	Emerging Infections Programs	Pass-through	Heluna Health	0008.0109	25,519	
93.317	Emerging Infections Programs	Pass-through	Heluna Health	000833609	20,046	
93.317	Emerging Infections Programs	Pass-through	Heluna Health	046669	70,846	
93.317	Emerging Infections Programs	Pass-through	Heluna Health	047073	25,669	
93.317	Emerging Infections Programs	Pass-through	Heluna Health	235.013.920	66,942	
93.317	Emerging Infections Programs	Pass-through	Heluna Health	6NU50CK000482-04-01	22,123	
93.317	Emerging Infections Programs	Pass-through	Heluna Health Total		231,145	
93.317	Emerging Infections Programs Total				231,145	
93.323	Epidemiology And Laboratory Capacity For Infectious Diseases (ELC)	Pass-through	Heluna Health	A132828	17,861	
93.323	Epidemiology And Laboratory Capacity For Infectious Diseases (ELC)	Pass-through	Heluna Health Total		17,861	
93.323	Epidemiology And Laboratory Capacity For Infectious Diseases (ELC) Total				17,861	
93.350	National Center For Advancing Translational Sciences	Direct	National Institutes of Health (NIH)	Various	45,774,760	4,311,282
93.350	National Center For Advancing Translational Sciences	Direct	National Institutes of Health (NIH) Total		45,774,760	4,311,282
93.350	National Center For Advancing Translational Sciences	Pass-through	Children's Hospital Los Angeles	20170324	(112)	
93.350	National Center For Advancing Translational Sciences	Pass-through	Children's Hospital Los Angeles	80092	(85)	
93.350	National Center For Advancing Translational Sciences	Pass-through	Children's Hospital Los Angeles Total		(197)	
93.350	National Center For Advancing Translational Sciences	Pass-through	Collaborations Pharmaceuticals, Inc.	SUB 20171862(TR002084)	124,946	
93.350	National Center For Advancing Translational Sciences	Pass-through	Collaborations Pharmaceuticals, Inc. Total		124,946	
93.350	National Center For Advancing Translational Sciences	Pass-through	Collaborative Drug Discovery, Inc	NIH-UICSF-2017-001	7,756	
93.350	National Center For Advancing Translational Sciences	Pass-through	Collaborative Drug Discovery, Inc Total		7,756	
93.350	National Center For Advancing Translational Sciences	Pass-through	Dascena, Inc.	A132460	1,785	
93.350	National Center For Advancing Translational Sciences	Pass-through	Dascena, Inc.	D3498	672	
93.350	National Center For Advancing Translational Sciences	Pass-through	Dascena, Inc. Total		2,457	
93.350	National Center For Advancing Translational Sciences	Pass-through	Georgia Tech Research Corporation	SUB RK024-G1 (EB024322)	34,790	
93.350	National Center For Advancing Translational Sciences	Pass-through	Georgia Tech Research Corporation Total		34,790	
93.350	National Center For Advancing Translational Sciences	Pass-through	Institute For Systems Biology	2016.0004(TR002026)	258,823	
93.350	National Center For Advancing Translational Sciences	Pass-through	Institute For Systems Biology Total		258,823	
93.350	National Center For Advancing Translational Sciences	Pass-through	J. Craig Venter Institute	8750C	122,728	
93.350	National Center For Advancing Translational Sciences	Pass-through	J. Craig Venter Institute	JCVI-16-005-CYC4	139,308	
93.350	National Center For Advancing Translational Sciences	Pass-through	J. Craig Venter Institute	SUB JCVI-16-006(TR001801)	116,984	
93.350	National Center For Advancing Translational Sciences	Pass-through	J. Craig Venter Institute	SUB JCVI-16-007 (TR001801)	67,818	
93.350	National Center For Advancing Translational Sciences	Pass-through	J. Craig Venter Institute Total		446,839	
93.350	National Center For Advancing Translational Sciences	Pass-through	Medical University Of South Carolina	87B8D	39	
93.350	National Center For Advancing Translational Sciences	Pass-through	Medical University Of South Carolina	SUB A20-0049-S003(TR002628)	106,529	
93.350	National Center For Advancing Translational Sciences	Pass-through	Medical University Of South Carolina Total		106,568	
93.350	National Center For Advancing Translational Sciences	Pass-through	Michigan State University	RC108590UCSF	1,907	
93.350	National Center For Advancing Translational Sciences	Pass-through	Michigan State University Total		1,907	
93.350	National Center For Advancing Translational Sciences	Pass-through	Seattle Children's Hospital	12191SUB	1,933	
93.350	National Center For Advancing Translational Sciences	Pass-through	Seattle Children's Hospital Total		1,933	
93.350	National Center For Advancing Translational Sciences	Pass-through	Stanford University	62103888-135580	195,937	
93.350	National Center For Advancing Translational Sciences	Pass-through	Stanford University Total		195,937	
93.350	National Center For Advancing Translational Sciences	Pass-through	University Of Cincinnati	009904-018.3	25,609	
93.350	National Center For Advancing Translational Sciences	Pass-through	University Of Cincinnati Total		25,609	
93.350	National Center For Advancing Translational Sciences	Pass-through	University Of Pittsburgh	0055353 (128885-18)	36,866	
93.350	National Center For Advancing Translational Sciences	Pass-through	University Of Pittsburgh	0055353 (128885-20)	39,792	
93.350	National Center For Advancing Translational Sciences	Pass-through	University Of Pittsburgh	79593	438	
93.350	National Center For Advancing Translational Sciences	Pass-through	University Of Pittsburgh	AWD00000243 (132627-38)	36,721	
93.350	National Center For Advancing Translational Sciences	Pass-through	University Of Pittsburgh	AWD00000243 (132627-39)-CYC1	38,411	
93.350	National Center For Advancing Translational Sciences	Pass-through	University Of Pittsburgh	SUB 0055353 (128885-16) (TR001)	257,309	
93.350	National Center For Advancing Translational Sciences	Pass-through	University Of Pittsburgh Total		409,538	
93.350	National Center For Advancing Translational Sciences	Pass-through	University Of Rochester	SUB 417470 / URFAO: GR510870 (7,111	
93.350	National Center For Advancing Translational Sciences	Pass-through	University Of Rochester Total		7,111	
93.350	National Center For Advancing Translational Sciences	Pass-through	University Of Southern California	119690831-CYC1	65,672	
93.350	National Center For Advancing Translational Sciences	Pass-through	University Of Southern California Total		65,672	
93.350	National Center For Advancing Translational Sciences	Pass-through	The Children's Hospital Corp.	GENFD0001506982.2	186,388	
93.350	National Center For Advancing Translational Sciences	Pass-through	The Children's Hospital Corp. Total		186,388	
93.350	National Center For Advancing Translational Sciences Total				47,650,838	4,311,282
93.350	COVID-19 - National Center For Advancing Translational Sciences	Direct	National Institutes of Health (NIH)	Various	1,088,735	
93.350	COVID-19 - National Center For Advancing Translational Sciences	Direct	National Institutes of Health (NIH) Total		1,088,735	
93.350	COVID-19 - National Center For Advancing Translational Sciences Total				1,088,735	
93.351	Research Infrastructure Programs	Direct	National Institutes of Health (NIH)	Various	40,326,541	1,671,872
93.351	Research Infrastructure Programs	Direct	National Institutes of Health (NIH) Total		40,326,541	1,671,872
93.351	Research Infrastructure Programs	Pass-through	Columbia University	1(GG010910-02)	136,252	
93.351	Research Infrastructure Programs	Pass-through	Columbia University Total		136,252	
93.351	Research Infrastructure Programs	Pass-through	Duke University	K01OD024877	87,332	
93.351	Research Infrastructure Programs	Pass-through	Duke University Total		87,332	
93.351	Research Infrastructure Programs	Pass-through	Emory University	T688100	98,361	
93.351	Research Infrastructure Programs	Pass-through	Emory University Total		98,361	
93.351	Research Infrastructure Programs	Pass-through	Jackson Laboratory, The	SUB NONE (OD020351)	17,625	
93.351	Research Infrastructure Programs	Pass-through	Jackson Laboratory, The	TBI	16,671	
93.351	Research Infrastructure Programs	Pass-through	Jackson Laboratory, The Total		34,296	
93.351	Research Infrastructure Programs	Pass-through	Neofudica, LLC	87AEG	359	
93.351	Research Infrastructure Programs	Pass-through	Neofudica, LLC Total		359	
93.351	Research Infrastructure Programs	Pass-through	Sensoris, Inc.	211746-CYC1	36,200	
93.351	Research Infrastructure Programs	Pass-through	Sensoris, Inc. Total		36,200	
93.351	Research Infrastructure Programs	Pass-through	University Of Florida	UFDSP00012284	26,211	
93.351	Research Infrastructure Programs	Pass-through	University Of Florida Total		26,211	
93.351	Research Infrastructure Programs	Pass-through	University Of KansasKU Center For Research, Inc.	FY2016-054	185,142	
93.351	Research Infrastructure Programs	Pass-through	University Of KansasKU Center For Research, Inc. Total		185,142	
93.351	Research Infrastructure Programs Total				40,930,694	1,671,872
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Direct	National Institutes of Health (NIH)	Various	7,587,112	1,532,018
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Direct	National Institutes of Health (NIH) Total		7,587,112	1,532,018
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	Boston University	4500002986	38,492	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	Boston University	4500002989	191,999	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	Boston University Total		230,491	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	Dana-Farber Cancer Institute	1205401	492,155	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	Dana-Farber Cancer Institute	1207101	235,806	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	Dana-Farber Cancer Institute Total		727,960	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	Fred Hutchinson Cancer Research Center	0001004846	79,781	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	Fred Hutchinson Cancer Research Center	0001004851	105,189	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	Fred Hutchinson Cancer Research Center Total		184,970	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	La Jolla Institute For Immunology	SUB 20188-44-372 (DE028227)	200,499	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	La Jolla Institute For Immunology Total		200,499	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	Nationwide Children's Hospital	700179-0623-00	454,402	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	Nationwide Children's Hospital Total		454,402	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	QwiXel Therapeutics, LLC	20193894	42,813	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	QwiXel Therapeutics, LLC Total		42,813	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	Sofie Biosciences, Inc	2R44CA216539-02	28,218	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	Sofie Biosciences, Inc Total		28,218	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	SUB FY20.904.003 (CA244688)		46,401	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	University Of Colorado Denver		46,401	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	University Of Colorado Denver Total		46,401	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	SUB 54547-20078201(CA225291)		3,331	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	Pass-through	University Of Maryland Total		3,331	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot Total				9,506,196	1,532,018
93.359	Nurse Education, Practice Quality And Retention Grants	Direct	Health Resources and Services Administration (HRSA)	Various	495,986	97,962
93.359	Nurse Education, Practice Quality And Retention Grants	Direct	Health Resources and Services Administration (HRSA) Total		495,986	97,962
93.359	Nurse Education, Practice Quality And Retention Grants Total				495,986	97,962
93.360	Biomedical Advanced Research And Development Authority (BARDA), Biodefense Medical Countermeasure Development	Pass-through	Integrated Biotherapeutics, Inc	CARB-X	60,748	
93.360	Biomedical Advanced Research And Development Authority (BARDA), Biodefense Medical Countermeasure Development	Pass-through	Integrated Biotherapeutics, Inc Total		60,748	
93.360	Biomedical Advanced Research And Development Authority (BARDA), Biodefense Medical Countermeasure Development	Pass-through	SutroVax, Inc.	20191655	320,353	
93.360	Biomedical Advanced Research And Development Authority (BARDA), Biodefense Medical Countermeasure Development	Pass-through	SutroVax, Inc. Total		320,353	
93.360	Biomedical Advanced Research And Development Authority (BARDA), Biodefense Medical Countermeasure Development Total				381,101	
93.361	Nursing Research	Direct	National Institutes of Health (NIH)	Various	7,581,366	1,062,233
93.361	Nursing Research	Direct	National Institutes of Health (NIH) Total		7,581,366	1,062,233
93.361	Nursing Research	Pass-through	Brown University	87A65	30,649	
93.361	Nursing Research	Pass-through	Brown University Total		30,649	
93.361	Nursing Research	Pass-through	Indiana University	IN4679354UCI-CYC2	8,332	
93.361	Nursing Research	Pass-through	Indiana University Total		8,332	
93.361	Nursing Research	Pass-through	Kent State University	403016UCD	70,545	
93.361	Nursing Research	Pass-through	Kent State University Total		70,545	
93.361	Nursing Research	Pass-through	Massachusetts General Hospital	233238	17,431	
93.361	Nursing Research	Pass-through	Massachusetts General Hospital Total		17,431	
93.361	Nursing Research	Pass-through	New York University	16-A1-00-005413-01	105,485	
93.361	Nursing Research	Pass-through	New York University Total		105,485	
93.361	Nursing Research	Pass-through	Rand Corporation	9920170074.02	(1,474)	
93.361	Nursing Research	Pass-through	Rand Corporation Total		(1,474)	
93.361	Nursing Research	Pass-through	Stanford University	61835904-125082	90,307	
93.361	Nursing Research	Pass-through	Stanford University Total		90,307	
93.361	Nursing Research	Pass-through	University Of Colorado Denver	FY17.782.004	366,365	
93.361	Nursing Research	Pass-through	University Of Colorado Denver	FY18.105.015	36,973	
93.361	Nursing Research	Pass-through	University Of Colorado Denver	FY19.782.004	113,110	
93.361	Nursing Research	Pass-through	University Of Colorado Denver	FY19.961.002	14,207	
93.361	Nursing Research	Pass-through	University Of Colorado Denver Total		530,655	
93.361	Nursing Research	Pass-through	University Of Florida	UFDP00011715	3,166	
93.361	Nursing Research	Pass-through	University Of Florida Total		3,166	
93.361	Nursing Research	Pass-through	University Of Michigan	3004518092	154,340	
93.361	Nursing Research	Pass-through	University Of Michigan Total		154,340	
93.361	Nursing Research	Pass-through	University Of Pittsburgh	0050074 (128868-2):2	97,119	
93.361	Nursing Research	Pass-through	University Of Pittsburgh Total		97,119	
93.361	Nursing Research	Pass-through	University Of Rhode Island	0006906/04162019-CYC1	15,301	
93.361	Nursing Research	Pass-through	University Of Rhode Island Total		15,301	
93.361	Nursing Research	Pass-through	University Of South Florida	SUB 6201-1171-00-B (NR015446)	51,256	
93.361	Nursing Research	Pass-through	University Of South Florida Total		51,256	
93.361	Nursing Research	Pass-through	University Of Texas Health Science Center At Houston	0014114A	4,519	
93.361	Nursing Research	Pass-through	University Of Texas Health Science Center At Houston	0014114B-CYC1	12,219	
93.361	Nursing Research	Pass-through	University Of Texas Health Science Center At Houston Total		16,739	
93.361	Nursing Research	Pass-through	University Of Washington	UWSC11333	44,334	
93.361	Nursing Research	Pass-through	University Of Washington Total		44,334	
93.361	Nursing Research	Pass-through	Washington University In St. Louis	WU-20-274	69,823	
93.361	Nursing Research	Pass-through	Washington University In St. Louis	WU-20-275	18,437	
93.361	Nursing Research	Pass-through	Washington University In St. Louis Total		88,260	
93.361	Nursing Research	Pass-through	University Of Colorado System	FY20.961.003	49,837	
93.361	Nursing Research	Pass-through	University Of Colorado System Total		49,837	
93.361	Nursing Research Total				8,953,647	1,062,233
93.365	Sickle Cell Treatment Demonstration Program	Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders	CIBDIX2015HRSA-BCHO-6	17,113	
93.365	Sickle Cell Treatment Demonstration Program	Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders Total		17,113	
93.365	Sickle Cell Treatment Demonstration Program Total				17,113	
93.391	Activities To Support State, Tribal, Local And Territorial (STLT) Health Department Response To Public Health Or Healthcare Crises	Pass-through	Association Of State And Territorial Health Officials	86-29221 (FE-2922-01-00)	92,987	53,200
93.391	Activities To Support State, Tribal, Local And Territorial (STLT) Health Department Response To Public Health Or Healthcare Crises	Pass-through	Association Of State And Territorial Health Officials Total		92,987	53,200
93.391	Activities To Support State, Tribal, Local And Territorial (STLT) Health Department Response To Public Health Or Healthcare Crises	Pass-through	CDC Foundation	A132868	36,783	12,729
93.391	Activities To Support State, Tribal, Local And Territorial (STLT) Health Department Response To Public Health Or Healthcare Crises	Pass-through	CDC Foundation Total		36,783	12,729
93.391	Activities To Support State, Tribal, Local And Territorial (STLT) Health Department Response To Public Health Or Healthcare Crises Total				129,770	65,929
93.393	Cancer Cause And Prevention Research	Direct	National Institutes of Health (NIH)	Various	35,086,021	7,993,231
93.393	Cancer Cause And Prevention Research	Direct	National Institutes of Health (NIH) Total		35,086,021	7,993,231
93.393	Cancer Cause And Prevention Research	Pass-through	Baylor College Of Medicine	53465-I	17,647	
93.393	Cancer Cause And Prevention Research	Pass-through	Baylor College Of Medicine Total		17,647	
93.393	Cancer Cause And Prevention Research	Pass-through	Beckman Research Institute Of The City Of Hope	51974.2001759.669305	5,379	
93.393	Cancer Cause And Prevention Research	Pass-through	Beckman Research Institute Of The City Of Hope	51974.2001759.669305-CYC2	(11,756)	
93.393	Cancer Cause And Prevention Research	Pass-through	Beckman Research Institute Of The City Of Hope	51974.2001759.669306	108,193	
93.393	Cancer Cause And Prevention Research	Pass-through	Beckman Research Institute Of The City Of Hope Total		101,816	
93.393	Cancer Cause And Prevention Research	Pass-through	Cancer Prevention Institute Of California	C1824	(266)	
93.393	Cancer Cause And Prevention Research	Pass-through	Cancer Prevention Institute Of California Total		(266)	
93.393	Cancer Cause And Prevention Research	Pass-through	Case Western Reserve University	RES511397.3	(249)	
93.393	Cancer Cause And Prevention Research	Pass-through	Case Western Reserve University Total		(249)	
93.393	Cancer Cause And Prevention Research	Pass-through	Cedars-Sinai Medical Center	1291278.2	5,432	
93.393	Cancer Cause And Prevention Research	Pass-through	Cedars-Sinai Medical Center	1454643.1	104,869	
93.393	Cancer Cause And Prevention Research	Pass-through	Cedars-Sinai Medical Center Total		110,301	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.393	Cancer Cause And Prevention Research	Pass-through	Chapman University	500533-SUB1-CYC1	66,371	
93.393	Cancer Cause And Prevention Research	Pass-through	Chapman University Total		66,371	
93.393	Cancer Cause And Prevention Research	Pass-through	Children's Mercy Hospital, The	8735E	(463)	
93.393	Cancer Cause And Prevention Research	Pass-through	Children's Mercy Hospital, The Total		(463)	
93.393	Cancer Cause And Prevention Research	Pass-through	City Of Hope	51089.2000553.669301	22,068	
			SUB	51974.2001759.669301		
			(CA)19		1,045,056	59,296
93.393	Cancer Cause And Prevention Research	Pass-through	City Of Hope Total		1,067,123	59,296
93.393	Cancer Cause And Prevention Research	Pass-through	Cornell University	190679	30,453	
93.393	Cancer Cause And Prevention Research	Pass-through	Cornell University Total		30,453	
93.393	Cancer Cause And Prevention Research	Pass-through	Dana-Farber Cancer Institute	1201301	130,616	
93.393	Cancer Cause And Prevention Research	Pass-through	Dana-Farber Cancer Institute	1201302-1	175,349	
93.393	Cancer Cause And Prevention Research	Pass-through	Dana-Farber Cancer Institute	1286601	80,863	
93.393	Cancer Cause And Prevention Research	Pass-through	Dana-Farber Cancer Institute Total		386,828	
93.393	Cancer Cause And Prevention Research	Pass-through	Duke University	A030294	15,564	
93.393	Cancer Cause And Prevention Research	Pass-through	Duke University	A031195	51,707	
93.393	Cancer Cause And Prevention Research	Pass-through	Duke University Total		67,271	
93.393	Cancer Cause And Prevention Research	Pass-through	Ecoq-Acrin Medical Research Foundation Inc.	ACRIN MASTER AGRMT	130,809	
93.393	Cancer Cause And Prevention Research	Pass-through	Ecoq-Acrin Medical Research Foundation Inc. Total		130,809	
93.393	Cancer Cause And Prevention Research	Pass-through	George Washington University	18-M65	109,360	
93.393	Cancer Cause And Prevention Research	Pass-through	George Washington University Total		109,360	
93.393	Cancer Cause And Prevention Research	Pass-through	Georgetown University	411513 GR412884-UCSF	71,056	
			411842 GR411064-			
			UCLA-7		7,896	
93.393	Cancer Cause And Prevention Research	Pass-through	Georgetown University	R01CA207361	27,891	
93.393	Cancer Cause And Prevention Research	Pass-through	Georgetown University Total		106,843	
93.393	Cancer Cause And Prevention Research	Pass-through	Harvard Pilgrim Health Care	AH000632	69,533	
93.393	Cancer Cause And Prevention Research	Pass-through	Harvard Pilgrim Health Care Total		69,533	
93.393	Cancer Cause And Prevention Research	Pass-through	Harvard University	114226-5108097	25,406	
93.393	Cancer Cause And Prevention Research	Pass-through	Harvard University Total		25,406	
93.393	Cancer Cause And Prevention Research	Pass-through	Johns Hopkins University	2002945254	21,956	
93.393	Cancer Cause And Prevention Research	Pass-through	Johns Hopkins University Total		21,956	
93.393	Cancer Cause And Prevention Research	Pass-through	Kaiser Foundation Research Institution	210094-01	20,453	
93.393	Cancer Cause And Prevention Research	Pass-through	Kaiser Foundation Research Institution Total		20,453	
93.393	Cancer Cause And Prevention Research	Pass-through	Kaiser Permanente Division Of Research	210094-02	58,932	
93.393	Cancer Cause And Prevention Research	Pass-through	Kaiser Permanente Division Of Research	UCSF209840-UCSF-01	41,737	
93.393	Cancer Cause And Prevention Research	Pass-through	Kaiser Permanente Division Of Research Total		100,670	
93.393	Cancer Cause And Prevention Research	Pass-through	Leidos Biomedical Research, Inc.	79374	(105)	
93.393	Cancer Cause And Prevention Research	Pass-through	Leidos Biomedical Research, Inc. Total		(105)	
93.393	Cancer Cause And Prevention Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	A122238	6,251	
93.393	Cancer Cause And Prevention Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	USF-225625	179,553	
93.393	Cancer Cause And Prevention Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research Total		185,804	
93.393	Cancer Cause And Prevention Research	Pass-through	National Cancer Institute	100175C-2	29,388	
93.393	Cancer Cause And Prevention Research	Pass-through	National Cancer Institute Total		29,388	
93.393	Cancer Cause And Prevention Research	Pass-through	Northeastern University	500544-78050	15,588	
93.393	Cancer Cause And Prevention Research	Pass-through	Northeastern University Total		15,588	
93.393	Cancer Cause And Prevention Research	Pass-through	Northwestern University	-6004 72 62 U C SF	62,705	
93.393	Cancer Cause And Prevention Research	Pass-through	Northwestern University	77506	(4,126)	
93.393	Cancer Cause And Prevention Research	Pass-through	Northwestern University Total		58,579	
93.393	Cancer Cause And Prevention Research	Pass-through	Ponce Medical School Foundation, Inc.	1R21CA233449-01A1	17,638	
93.393	Cancer Cause And Prevention Research	Pass-through	Ponce Medical School Foundation, Inc. Total		17,638	
93.393	Cancer Cause And Prevention Research	Pass-through	Qalibrem, Inc.	#P18230-001	55,416	
93.393	Cancer Cause And Prevention Research	Pass-through	Qalibrem, Inc. Total		55,416	
93.393	Cancer Cause And Prevention Research	Pass-through	Radiabeam Technologies, LLC	2LRR	87,518	
93.393	Cancer Cause And Prevention Research	Pass-through	Radiabeam Technologies, LLC Total		87,518	
93.393	Cancer Cause And Prevention Research	Pass-through	Rockefeller University	R01CA204127	51,241	
93.393	Cancer Cause And Prevention Research	Pass-through	Rockefeller University Total		51,241	
93.393	Cancer Cause And Prevention Research	Pass-through	Rutgers, The State University Of New Jersey	0879	32,882	
93.393	Cancer Cause And Prevention Research	Pass-through	Rutgers, The State University Of New Jersey Total		32,882	
93.393	Cancer Cause And Prevention Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute	59856-12856-UCSF	143,623	
			SUB 60131-12957-UCSD			
			(CA)218254		67,425	
93.393	Cancer Cause And Prevention Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute Total		211,048	
93.393	Cancer Cause And Prevention Research	Pass-through	Seattle Institute For Biomedical And Clin Research	R01CA249307	74,116	
93.393	Cancer Cause And Prevention Research	Pass-through	Seattle Institute For Biomedical And Clin Research Total		74,116	
93.393	Cancer Cause And Prevention Research	Pass-through	Stanford University	61959228-130956	46,732	
93.393	Cancer Cause And Prevention Research	Pass-through	Stanford University Total		46,732	
93.393	Cancer Cause And Prevention Research	Pass-through	The University Of Alabama At Birmingham	000519160-005	25,439	
93.393	Cancer Cause And Prevention Research	Pass-through	The University Of Alabama At Birmingham Total		25,439	
93.393	Cancer Cause And Prevention Research	Pass-through	Thomas Jefferson University	SUB 080-30000-S27901	57,822	
			(CA)215520			
93.393	Cancer Cause And Prevention Research	Pass-through	Thomas Jefferson University Total		57,822	
93.393	Cancer Cause And Prevention Research	Pass-through	Thrivors, Inc	A134906	12,820	
93.393	Cancer Cause And Prevention Research	Pass-through	Thrivors, Inc Total		12,820	
93.393	Cancer Cause And Prevention Research	Pass-through	Tulane University	TUL-HSC-557431-19/20	42,514	
93.393	Cancer Cause And Prevention Research	Pass-through	Tulane University Total		42,514	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Arizona	R01CA092596	208,207	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Arizona Total		208,207	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Colorado Denver	FY18.900.001	11,103	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Colorado Denver Total		11,103	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Hawaii At Manoa	B2321	(346)	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Hawaii At Manoa	KA1363	118,559	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Hawaii At Manoa	KA1488	120,881	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Hawaii At Manoa Total		239,094	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Iowa	1001588781	47,905	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Iowa Total		47,905	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Massachusetts Amherst	18-009932 B00	32,939	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Massachusetts Amherst Total		32,939	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Melbourne	GL058179- UCSF - Y1	(19)	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Melbourne Total		(19)	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Michigan	3004171785-3	18,196	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Michigan	3004700012	2,840	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Michigan	SUBK00011264	36,358	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Michigan Total		57,393	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Minnesota	P006826901	73,371	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Minnesota Total		73,371	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of New Mexico	81111	(411)	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of New Mexico Total		(411)	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of North Carolina At Chapel Hill	89BCF	35,969	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of North Carolina At Chapel Hill	R01CA197205	9,219	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of North Carolina At Chapel Hill Total		45,187	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Pennsylvania	SUB 568559 (CA202699)	177,596	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Pennsylvania Total		177,596	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Southern California	100794433	71,814	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Southern California	107857258	304,209	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Southern California	110623667	81,260	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Southern California	131234068	1,574	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Southern California	D2945	(511)	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Southern California Total		458,346	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Texas Health Science Center At Houston	3001264911	8,232	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Texas Health Science Center At Houston Total		8,232	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Texas-M.D. Anderson Cancer Center	00003027	16,412	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Texas-M.D. Anderson Cancer Center	3001235049	58,043	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Texas-M.D. Anderson Cancer Center	89BGS	2,416	
			SUB 00003030			
			(CA186566)		8,566	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Texas-M.D. Anderson Cancer Center Total		85,437	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Utah	10035205	76,221	

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Schedule of Expenditures of Federal Awards

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Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Utah Total		76,221	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Vermont	AWD00000046SUB00000 015	2,630	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Vermont Total		2,630	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Washington	UWSC9237.4	97,381	
93.393	Cancer Cause And Prevention Research	Pass-through	University Of Washington Total		97,381	
93.393	Cancer Cause And Prevention Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA GUPTA 321181 (CA222866)	48,642	
93.393	Cancer Cause And Prevention Research	Pass-through	Veterans Medical Research Foundation Of San Diego Total		48,642	
93.393	Cancer Cause And Prevention Research	Pass-through	Virginia Commonwealth University	FP00010400 SA001	4,509	
93.393	Cancer Cause And Prevention Research	Pass-through	Virginia Commonwealth University Total		4,509	
93.393	Cancer Cause And Prevention Research	Pass-through	Wake Forest University	WU000114040.3	63,541	
93.393	Cancer Cause And Prevention Research	Pass-through	Wake Forest University Total		63,541	
93.393	Cancer Cause And Prevention Research Total				40,260,626	8,052,527
93.394	Cancer Detection And Diagnosis Research	Direct	National Institutes Of Health (NIH)	Various	32,936,839	3,502,268
93.394	Cancer Detection And Diagnosis Research	Direct	National Institutes Of Health (NIH) Total		32,936,839	3,502,268
93.394	Cancer Detection And Diagnosis Research	Pass-through	Acoustic Medsystems, Inc.	A131852	187,493	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Acoustic Medsystems, Inc. Total		187,493	
93.394	Cancer Detection And Diagnosis Research	Pass-through	American College Of Radiology	88797	1,429	
93.394	Cancer Detection And Diagnosis Research	Pass-through	American College Of Radiology Total		1,429	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Boston University	4500002285.002	332,111	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Boston University	4500002917.001	146,721	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Boston University	4500002992	28,125	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Boston University Total		506,957	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Brown University	SUB 00001163 (CA159954)	44,006	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Brown University Total		44,006	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Cancer Targeted Technology	B7109	(11)	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Cancer Targeted Technology Total		(11)	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Case Western Reserve University	SUB RES512506 (CA198892)	70,288	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Case Western Reserve University Total		70,288	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Cedars-Sinai Medical Center	SUB 0001514172(CA218526)	16	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Cedars-Sinai Medical Center Total		16	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Children's Hospital Of Philadelphia	321072	132,060	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Children's Hospital Of Philadelphia Total		132,060	
93.394	Cancer Detection And Diagnosis Research	Pass-through	City Of Hope	61244.2005803.669301	285,069	
93.394	Cancer Detection And Diagnosis Research	Pass-through	City Of Hope	61596.2006600.669301	84,539	
93.394	Cancer Detection And Diagnosis Research	Pass-through	City Of Hope Total		370,008	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Dana-Farber Cancer Institute	R01CA214912	37,070	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Dana-Farber Cancer Institute Total		37,070	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Eastern Virginia Medical School	S161681-3	118,617	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Eastern Virginia Medical School Total		118,617	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Fred Hutchinson Cancer Research Center	001006791	2,789	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Fred Hutchinson Cancer Research Center Total		2,789	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Johns Hopkins University	2004630777	1,426	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Johns Hopkins University Total		1,426	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Kaiser Permanente Division Of Research	KFR0000152 UCLA-01	1,637	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Kaiser Permanente Division Of Research Total		1,637	
93.394	Cancer Detection And Diagnosis Research	Pass-through	NRG Oncology	NRG BSB - UCSF YR 1	1,218,513	
93.394	Cancer Detection And Diagnosis Research	Pass-through	NRG Oncology Total		1,218,513	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Omniox Inc.	A17-0353	297,387	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Omniox Inc. Total		297,387	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Stanford University	61676311-116575	13,469	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Stanford University	61830945-135411	23,626	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Stanford University	61830946-135414	41,189	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Stanford University	61843079-PAOPZ	24,145	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Stanford University	R01CA227687	126,917	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Stanford University Total		229,346	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Thomas Jefferson University	87438	58,297	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Thomas Jefferson University Total		58,297	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Trace-Ability, Inc	P054424	5,537	
93.394	Cancer Detection And Diagnosis Research	Pass-through	Trace-Ability, Inc Total		5,537	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of British Columbia	R01CA221918	10,480	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of British Columbia Total		10,480	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Maryland	1400685A REQUEST 2609	45,466	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Maryland Total		45,466	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Michigan	3003732467	75,389	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Michigan Total		75,389	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Minnesota	SUB P006911701 (CA214550)	39,094	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Minnesota Total		39,094	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Pennsylvania	568870	32,115	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Pennsylvania Total		32,115	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Pittsburgh	CNVA00047829 (133836- 3)	9,060	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Pittsburgh Total		9,060	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Texas-M.D. Anderson Cancer Center	00005316	325,067	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Texas-M.D. Anderson Cancer Center	3001174871	128,342	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Texas-M.D. Anderson Cancer Center Total		453,409	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Washington	UWSC10730	74,726	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Washington	UWSC11764	20,565	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Washington Total		95,291	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Colorado System	1556823	8,029	
93.394	Cancer Detection And Diagnosis Research	Pass-through	University Of Colorado System Total		8,029	
93.394	Cancer Detection And Diagnosis Research Total				36,988,037	3,502,268
93.394	COVID-19 - Cancer Detection And Diagnosis Research	Direct	National Institutes Of Health (NIH)	Various	36,623	
93.394	COVID-19 - Cancer Detection And Diagnosis Research	Direct	National Institutes Of Health (NIH) Total		36,623	
93.394	COVID-19 - Cancer Detection And Diagnosis Research Total				36,623	
93.395	Cancer Treatment Research	Direct	National Institutes Of Health (NIH)	Various	58,305,771	21,928,835
93.395	Cancer Treatment Research	Direct	National Institutes Of Health (NIH) Total		58,305,771	21,928,835
93.395	Cancer Treatment Research	Pass-through	Abq Lab, LLC	ONC201	14,023	
93.395	Cancer Treatment Research	Pass-through	Abq Lab, LLC Total		14,023	
93.395	Cancer Treatment Research	Pass-through	Acoustic Medsystems, Inc.	A133330	23,496	
93.395	Cancer Treatment Research	Pass-through	Acoustic Medsystems, Inc. Total		23,496	
93.395	Cancer Treatment Research	Pass-through	Alliance For Clinical Trials In Oncology	A011502	2,196	
93.395	Cancer Treatment Research	Pass-through	Alliance For Clinical Trials In Oncology Total		2,196	
93.395	Cancer Treatment Research	Pass-through	American College Of Radiology	82594	5,024	
93.395	Cancer Treatment Research	Pass-through	American College Of Radiology Total		5,024	
93.395	Cancer Treatment Research	Pass-through	Baylor College Of Medicine	80069	4,535	
93.395	Cancer Treatment Research	Pass-through	Baylor College Of Medicine	A133068	18,029	
93.395	Cancer Treatment Research	Pass-through	Baylor College Of Medicine Total		13,494	
93.395	Cancer Treatment Research	Pass-through	Biometrix Jv, LLC	BMX-HGG-001	135,526	
93.395	Cancer Treatment Research	Pass-through	Biometrix Jv, LLC Total		135,526	
93.395	Cancer Treatment Research	Pass-through	Brigham And Women's Hospital	A132926	24,743	
93.395	Cancer Treatment Research	Pass-through	Brigham And Women's Hospital Total		24,743	
93.395	Cancer Treatment Research	Pass-through	Cancer Targeted Technology	A132866	228,003	
93.395	Cancer Treatment Research	Pass-through	Cancer Targeted Technology Total		228,003	
93.395	Cancer Treatment Research	Pass-through	Cedars-Sinai Medical Center	1425551	4,010	
93.395	Cancer Treatment Research	Pass-through	Cedars-Sinai Medical Center	1620448.1	167,862	
93.395	Cancer Treatment Research	Pass-through	Cedars-Sinai Medical Center Total		171,871	
93.395	Cancer Treatment Research	Pass-through	Cellsight Technologies	B0526	(1,512)	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.395	Cancer Treatment Research	Pass-through	Cellisight Technologies Total		(1,512)	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Los Angeles	2004-05	(7,326)	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Los Angeles	RGF011025-A	255,921	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Los Angeles	RGF011774-A	20,020	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Los Angeles Total		268,615	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	1UG1CA189955-01	1,484	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	20113950	13,496	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	201504232	3,354	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	20150682	(36,622)	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	20200007	19,859	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	35A69	(12,367)	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	80343	(21,174)	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	876EA	793	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	89236	17,331	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	950010071504C	3,491	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	A121763	9,079	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	A133302	62,306	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	A133874	22,680	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	ACCL1633	2,313	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	B0841	(6,445)	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	B3659	45,165	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	D2646	(1,546)	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	FP26529_SUB153	319	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	FP26529_SUB328_01	106	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	PO#20110742 - RSUB	1,594	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	SUB UG1CA189955	15,566	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	U10CA180886	61,918	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	UM1CA228823	7,141	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia	20104921 - RSUB	58,234	
93.395	Cancer Treatment Research	Pass-through	Children's Hospital Of Philadelphia Total		268,465	
93.395	Cancer Treatment Research	Pass-through	City Of Hope	51183.2000123.669399	184,944	
93.395	Cancer Treatment Research	Pass-through	City Of Hope	52284.2002184.669302	306,641	
93.395	Cancer Treatment Research	Pass-through	City Of Hope	85C89	107,744	
93.395	Cancer Treatment Research	Pass-through	City Of Hope Total		599,329	
93.395	Cancer Treatment Research	Pass-through	Cornell University	86782-11173	285,575	
93.395	Cancer Treatment Research	Pass-through	Cornell University	B9304	(98,221)	
93.395	Cancer Treatment Research	Pass-through	Cornell University Total		187,354	
93.395	Cancer Treatment Research	Pass-through	Ecog-Acrin Medical Research Foundation Inc.	SUG1CA189628-05-UCI1-CYC1	18,898	
93.395	Cancer Treatment Research	Pass-through	Ecog-Acrin Medical Research Foundation Inc. Total		18,898	
93.395	Cancer Treatment Research	Pass-through	George Washington University	19-M49	992,735	
93.395	Cancer Treatment Research	Pass-through	George Washington University Total		992,735	
93.395	Cancer Treatment Research	Pass-through	Glytr Therapeutics, Inc.	GTI-211094	102,977	
93.395	Cancer Treatment Research	Pass-through	Glytr Therapeutics, Inc. Total		102,977	
93.395	Cancer Treatment Research	Pass-through	Information Management Services, Inc.	A19-0810-002	123,318	
93.395	Cancer Treatment Research	Pass-through	Information Management Services, Inc. Total		123,318	
93.395	Cancer Treatment Research	Pass-through	Integrated Sensors, LLC	A16-0372-003	53	
93.395	Cancer Treatment Research	Pass-through	Integrated Sensors, LLC Total		53	
93.395	Cancer Treatment Research	Pass-through	Johns Hopkins University	2002439000-5	36,427	
93.395	Cancer Treatment Research	Pass-through	Johns Hopkins University	2002439042	(942)	
93.395	Cancer Treatment Research	Pass-through	Johns Hopkins University	2003965667	12,723	
93.395	Cancer Treatment Research	Pass-through	Johns Hopkins University	59895	770	
93.395	Cancer Treatment Research	Pass-through	Johns Hopkins University Total		48,978	
93.395	Cancer Treatment Research	Pass-through	Leidos, Inc.	87D46	92,965	
93.395	Cancer Treatment Research	Pass-through	Leidos, Inc.	SUB 13XS025	671	
93.395	Cancer Treatment Research	Pass-through	Leidos, Inc. Total	(HHSN261200800001E	93,636	
93.395	Cancer Treatment Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	A126667	3,020	
93.395	Cancer Treatment Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	CSF-259713/PO		
93.395	Cancer Treatment Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	#66967088	124,327	
93.395	Cancer Treatment Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	SAF-194321/PO#66291556	32,862	
93.395	Cancer Treatment Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research Total		160,208	
93.395	Cancer Treatment Research	Pass-through	Medical College Of Wisconsin	20192846	6,214	
93.395	Cancer Treatment Research	Pass-through	Medical College Of Wisconsin	5R01CA184798-06	1,025	
93.395	Cancer Treatment Research	Pass-through	Medical College Of Wisconsin Total		7,239	
93.395	Cancer Treatment Research	Pass-through	Memorial Sloan-Kettering Cancer Center	224268	927	
93.395	Cancer Treatment Research	Pass-through	Memorial Sloan-Kettering Cancer Center	229411	29,500	
93.395	Cancer Treatment Research	Pass-through	Memorial Sloan-Kettering Cancer Center Total		30,427	
93.395	Cancer Treatment Research	Pass-through	New York University	F7618-02-06	196,134	
93.395	Cancer Treatment Research	Pass-through	New York University Total		196,134	
93.395	Cancer Treatment Research	Pass-through	NRG Oncology	E5103	110,042	62,920
93.395	Cancer Treatment Research	Pass-through	NRG Oncology	GGG0237-UC1-02-CYC3	51,411	
93.395	Cancer Treatment Research	Pass-through	NRG Oncology	NCTN05-SIMKO	3,594	
93.395	Cancer Treatment Research	Pass-through	NRG Oncology	NRG-201385-CYC2	25,612	
93.395	Cancer Treatment Research	Pass-through	NRG Oncology	NRG-FENG-GY6	15,000	
93.395	Cancer Treatment Research	Pass-through	NRG Oncology	NRG-GANZ-GY6	12,311	
93.395	Cancer Treatment Research	Pass-through	NRG Oncology	NRG-TEWARI-GY6	13,812	
93.395	Cancer Treatment Research	Pass-through	NRG Oncology	NRG-WENZEL-GY6	5,376	
93.395	Cancer Treatment Research	Pass-through	NRG Oncology	SUB NCTN05-MAYADEV (CA180688)	19,981	
93.395	Cancer Treatment Research	Pass-through	NRG Oncology Total		257,139	62,920
93.395	Cancer Treatment Research	Pass-through	NSABP Foundation, Inc.	78159	43	
93.395	Cancer Treatment Research	Pass-through	NSABP Foundation, Inc. Total		43	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	1004086001UCDAVIS	17,268	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	1005019_UCIRVINE-CYC5	6,747	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	1013080_SWOG_UCIRVI-NE-CYC1	53,644	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	1013080_UCIRVINE	91,942	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	1013080_UCLA	29,877	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	1013080-006 UCLA	32,716	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	39C07	15,791	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	87CC7	56,491	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	A19-0609	102,679	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	A19-0610	8,024	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	A19-0611	10,557	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	A19-0641	79,433	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	SUB 9009627 UCSD (CA180888)	110,347	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	SWOG-201304-1	118,014	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University	SWOG-201304-1-CYC6	168,180	
93.395	Cancer Treatment Research	Pass-through	Oregon Health & Science University Total		901,709	
93.395	Cancer Treatment Research	Pass-through	Pandomedx	18A-2619	17,245	
93.395	Cancer Treatment Research	Pass-through	Pandomedx Total		17,245	
93.395	Cancer Treatment Research	Pass-through	Qwiel Therapeutics, LLC	1R43CA232999-01A1	72,724	
93.395	Cancer Treatment Research	Pass-through	Qwiel Therapeutics, LLC Total		72,724	
93.395	Cancer Treatment Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute	SUB 59510-12770-UCSD (CA198103)	75,672	
93.395	Cancer Treatment Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute	SUB 59953-12989 (CA128814)	183,851	
93.395	Cancer Treatment Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute Total		259,523	
93.395	Cancer Treatment Research	Pass-through	Signalix Pharmaceuticals, Inc	8791E	780	
93.395	Cancer Treatment Research	Pass-through	Signalix Pharmaceuticals, Inc Total		780	
93.395	Cancer Treatment Research	Pass-through	SRI International	A17-0607-004	57,112	
93.395	Cancer Treatment Research	Pass-through	SRI International	R01CA214515	117,456	
93.395	Cancer Treatment Research	Pass-through	SRI International Total		174,568	
93.395	Cancer Treatment Research	Pass-through	St. Jude Children's Research Hospital	111287230-7744212	80,746	
93.395	Cancer Treatment Research	Pass-through	St. Jude Children's Research Hospital	58775	(52)	
93.395	Cancer Treatment Research	Pass-through	St. Jude Children's Research Hospital Total		80,694	
93.395	Cancer Treatment Research	Pass-through	Stanford University	60958489-1171194	(4,330)	

University of California
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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.395	Cancer Treatment Research	Pass-through	Stanford University	61251710-118307	204,433	
93.395	Cancer Treatment Research	Pass-through	Stanford University	61251750-118307	(1,136)	
93.395	Cancer Treatment Research	Pass-through	Stanford University	61658251-117899	25,650	
93.395	Cancer Treatment Research	Pass-through	Stanford University Total		224,616	
93.395	Cancer Treatment Research	Pass-through	Swoq	20154355	27	
93.395	Cancer Treatment Research	Pass-through	Swoq	20161228	4,256	
93.395	Cancer Treatment Research	Pass-through	Swoq Total		4,283	
93.395	Cancer Treatment Research	Pass-through	Theranostec Inc.	19-2208	40,140	
93.395	Cancer Treatment Research	Pass-through	Theranostec Inc. Total		40,140	
93.395	Cancer Treatment Research	Pass-through	University Of Arkansas, Fayetteville	51758	25,332	
93.395	Cancer Treatment Research	Pass-through	University Of Arkansas, Fayetteville Total		25,332	
93.395	Cancer Treatment Research	Pass-through	University Of Florida	UFDSP00011465	90,410	
93.395	Cancer Treatment Research	Pass-through	University Of Florida Total		90,410	
93.395	Cancer Treatment Research	Pass-through	University Of Minnesota	N005494302	43,856	
93.395	Cancer Treatment Research	Pass-through	SUB H005023201 (CA203348)		207,950	
93.395	Cancer Treatment Research	Pass-through	University Of Minnesota	SUB P008201201(CA234228)	164,793	
93.395	Cancer Treatment Research	Pass-through	University Of Minnesota Total		416,599	
93.395	Cancer Treatment Research	Pass-through	University Of Nevada, Las Vegas/Univ Research Foundation	17-22AY-01	245,433	
93.395	Cancer Treatment Research	Pass-through	University Of Nevada, Las Vegas/Univ Research Foundation Total		245,433	
93.395	Cancer Treatment Research	Pass-through	University Of Pennsylvania	87AGD	348,159	
93.395	Cancer Treatment Research	Pass-through	University Of Pennsylvania Total		348,159	
93.395	Cancer Treatment Research	Pass-through	University Of Pittsburgh	0048529(127109-1)	(1,664)	
93.395	Cancer Treatment Research	Pass-through	University Of Pittsburgh	0049527(127522-1)	210,052	
93.395	Cancer Treatment Research	Pass-through	University Of Pittsburgh Total		208,388	
93.395	Cancer Treatment Research	Pass-through	University Of Southern California	86620293.3	56,103	
93.395	Cancer Treatment Research	Pass-through	University Of Southern California Total		56,103	
93.395	Cancer Treatment Research	Pass-through	University Of Texas-Southwestern Medical Center At Dallas	A18-0911-002	209,694	
93.395	Cancer Treatment Research	Pass-through	University Of Texas-Southwestern Medical Center At Dallas Total		209,694	
93.395	Cancer Treatment Research	Pass-through	University Of Virginia	GB10562.159043	217,941	
93.395	Cancer Treatment Research	Pass-through	University Of Virginia Total		217,941	
93.395	Cancer Treatment Research	Pass-through	Valitor, Inc.	A132199	11,546	
93.395	Cancer Treatment Research	Pass-through	Valitor, Inc. Total		11,546	
93.395	Cancer Treatment Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA CALIFANO(CA204264)	18,907	
93.395	Cancer Treatment Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA GUPTA (CA222866)	69,237	
93.395	Cancer Treatment Research	Pass-through	Veterans Medical Research Foundation Of San Diego Total		88,144	
93.395	Cancer Treatment Research	Pass-through	Vivreon Biosciences, LLC	VB-5573166-CYC1	118,673	
93.395	Cancer Treatment Research	Pass-through	Vivreon Biosciences, LLC Total		118,673	
93.395	Cancer Treatment Research	Pass-through	Washington University In St. Louis	WU-19-267	337,394	
93.395	Cancer Treatment Research	Pass-through	Washington University In St. Louis Total		337,394	
93.395	Cancer Treatment Research	Pass-through	Winsantor Inc.	87AGB	218,390	
93.395	Cancer Treatment Research	Pass-through	Winsantor Inc Total		218,390	
93.395	Cancer Treatment Research	Pass-through	Yale University	875DA	180,770	
93.395	Cancer Treatment Research	Pass-through	Yale University	GR105968(CON-80001736)	5,349	
93.395	Cancer Treatment Research	Pass-through	Yale University Total		186,119	
93.395	Cancer Treatment Research	Pass-through	The Children's Hospital Corp.	GENFD0001578733-CYC1	108,902	
93.395	Cancer Treatment Research	Pass-through	The Children's Hospital Corp. Total		108,902	
93.395	Cancer Treatment Research Total				66,941,692	21,991,755
93.396	Cancer Biology Research	Direct	National Institutes of Health (NIH)	Various	46,275,705	3,929,924
93.396	Cancer Biology Research	Direct	National Institutes of Health (NIH) Total		46,275,705	3,929,924
93.396	Cancer Biology Research	Pass-through	Brigham And Women's Hospital	118360-1	277,174	
93.396	Cancer Biology Research	Pass-through	Brigham And Women's Hospital Total		277,174	
93.396	Cancer Biology Research	Pass-through	Cedars-Sinai Medical Center	1542414.5	4,024	
93.396	Cancer Biology Research	Pass-through	Cedars-Sinai Medical Center	1545558-5	136,576	
93.396	Cancer Biology Research	Pass-through	Cedars-Sinai Medical Center Total		140,600	
93.396	Cancer Biology Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	137592	11,280	
93.396	Cancer Biology Research	Pass-through	Children's Hospital Medical Center Of Cincinnati Total		11,280	
93.396	Cancer Biology Research	Pass-through	City Of Hope	62132.2006996.669301	211,386	
93.396	Cancer Biology Research	Pass-through	City Of Hope Total		211,386	
93.396	Cancer Biology Research	Pass-through	Columbia University	1(GG012799-01)	241,444	
93.396	Cancer Biology Research	Pass-through	Columbia University Total		241,444	
93.396	Cancer Biology Research	Pass-through	Indapta Therapeutics Inc.	A19-1404	90,493	
93.396	Cancer Biology Research	Pass-through	Indapta Therapeutics Inc. Total		90,493	
93.396	Cancer Biology Research	Pass-through	Institute For Systems Biology	2018.0005	122,922	
93.396	Cancer Biology Research	Pass-through	Institute For Systems Biology Total		122,922	
93.396	Cancer Biology Research	Pass-through	Johns Hopkins University	SUB 2002785140 (CA177669)	9,669	
93.396	Cancer Biology Research	Pass-through	Johns Hopkins University Total		9,669	
93.396	Cancer Biology Research	Pass-through	Leidos Biomedical Research, Inc.	87D4G	8,503	
93.396	Cancer Biology Research	Pass-through	Leidos Biomedical Research, Inc. Total		8,503	
93.396	Cancer Biology Research	Pass-through	Massachusetts Institute Of Technology	SUB 5710004012 (CA194698)	133,109	
93.396	Cancer Biology Research	Pass-through	Massachusetts Institute Of Technology Total		133,109	
93.396	Cancer Biology Research	Pass-through	New York University	C0024	(280)	
93.396	Cancer Biology Research	Pass-through	New York University Total		(280)	
93.396	Cancer Biology Research	Pass-through	New York University School Of Medicine	89C04	72,235	
93.396	Cancer Biology Research	Pass-through	New York University School Of Medicine Total		72,235	
93.396	Cancer Biology Research	Pass-through	Ohio State University	60071157	9,330	
93.396	Cancer Biology Research	Pass-through	Ohio State University Total		9,330	
93.396	Cancer Biology Research	Pass-through	Planet Biotechnology, Inc.	A131625	23,871	
93.396	Cancer Biology Research	Pass-through	Planet Biotechnology, Inc. Total		23,871	
93.396	Cancer Biology Research	Pass-through	Purdue University	SUB 4102-85283 (CA221289)	177,218	
93.396	Cancer Biology Research	Pass-through	Purdue University Total		177,218	
93.396	Cancer Biology Research	Pass-through	Sarcoma Alliance Through Research Collaboration	20183843	54,295	
93.396	Cancer Biology Research	Pass-through	Sarcoma Alliance Through Research Collaboration Total		54,295	
93.396	Cancer Biology Research	Pass-through	Stanford University	61643576-118326	163,980	
93.396	Cancer Biology Research	Pass-through	Stanford University	62061288-124068-CYC1	102,162	
93.396	Cancer Biology Research	Pass-through	Stanford University	62067977--121581	216,742	
93.396	Cancer Biology Research	Pass-through	Stanford University Total		482,883	
93.396	Cancer Biology Research	Pass-through	Tenebio, Inc.	A134344	47,439	
93.396	Cancer Biology Research	Pass-through	Tenebio, Inc. Total		47,439	
93.396	Cancer Biology Research	Pass-through	University Of Chicago	SUB AWD043400-03-PR (SUB000001)	22,017	
93.396	Cancer Biology Research	Pass-through	University Of Chicago Total		22,017	
93.396	Cancer Biology Research	Pass-through	University Of Colorado Denver	FY19.591.001	19,969	
93.396	Cancer Biology Research	Pass-through	University Of Colorado Denver Total		19,969	
93.396	Cancer Biology Research	Pass-through	University Of Nevada, Reno	R15CA235430	1,245	
93.396	Cancer Biology Research	Pass-through	University Of Nevada, Reno Total		1,245	
93.396	Cancer Biology Research	Pass-through	University Of Pennsylvania	570156	(28,084)	
93.396	Cancer Biology Research	Pass-through	University Of Pennsylvania	578075	91,898	
93.396	Cancer Biology Research	Pass-through	University Of Pennsylvania Total		63,814	
93.396	Cancer Biology Research	Pass-through	University Of Southern California	65232523.5	(23,658)	
93.396	Cancer Biology Research	Pass-through	University Of Southern California	65279540-CYC5	1,678	
93.396	Cancer Biology Research	Pass-through	University Of Southern California	65318381-4	22,119	
93.396	Cancer Biology Research	Pass-through	University Of Southern California Total		138	
93.396	Cancer Biology Research	Pass-through	University Of Texas-M.D. Anderson Cancer Center	00003639	85,448	
93.396	Cancer Biology Research	Pass-through	University Of Texas-M.D. Anderson Cancer Center	89228	(197)	
93.396	Cancer Biology Research	Pass-through	University Of Texas-M.D. Anderson Cancer Center	SUB 00003638 (CA196403)	93,989	
93.396	Cancer Biology Research	Pass-through	University Of Texas-M.D. Anderson Cancer Center Total		179,240	
93.396	Cancer Biology Research	Pass-through	University Of Washington	SUB UWSCS9764 (CA211310)	18,718	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.396	Cancer Biology Research	Pass-through	University Of Washington Total		18,718	
93.396	Cancer Biology Research	Pass-through	Vanderbilt University	A9099	(121)	
93.396	Cancer Biology Research	Pass-through	Vanderbilt University	UNIV60988	91,732	
93.396	Cancer Biology Research	Pass-through	Vanderbilt University Total		91,611	
93.396	Cancer Biology Research	Pass-through	Washington University In St. Louis	WU-18-317	49,499	
93.396	Cancer Biology Research	Pass-through	Washington University In St. Louis Total		49,499	
93.396	Cancer Biology Research Total				48,835,527	3,929,924
93.396	COVID-19 - Cancer Biology Research	Direct	National Institutes of Health (NIH)	Various	78,500	
93.396	COVID-19 - Cancer Biology Research	Direct	National Institutes of Health (NIH) Total		78,500	
93.396	COVID-19 - Cancer Biology Research Total				78,500	
93.397	Cancer Centers Support Grants	Direct	National Institutes of Health (NIH)	Various	36,227,083	1,112,687
93.397	Cancer Centers Support Grants	Direct	National Institutes of Health (NIH) Total		36,227,083	1,112,687
93.397	Cancer Centers Support Grants	Pass-through	Arizona State University/Tempe	ASUB00000010	57,986	
93.397	Cancer Centers Support Grants	Pass-through	Arizona State University/Tempe Total		57,986	
93.397	Cancer Centers Support Grants	Pass-through	Charles R. Drew University Of Medicine And Science	18-19-JV-G007740A-	327,768	
93.397	Cancer Centers Support Grants	Pass-through	Charles R. Drew University Of Medicine And Science	58114	2	
93.397	Cancer Centers Support Grants	Pass-through	Charles R. Drew University Of Medicine And Science Total		327,770	
93.397	Cancer Centers Support Grants	Pass-through	Cornell University	78542-10760	84,576	
93.397	Cancer Centers Support Grants	Pass-through	Cornell University Total		84,576	
93.397	Cancer Centers Support Grants	Pass-through	Dana-Farber Cancer Institute	1193608	35,577	
93.397	Cancer Centers Support Grants	Pass-through	Dana-Farber Cancer Institute	1205201	84,752	
93.397	Cancer Centers Support Grants	Pass-through	Dana-Farber Cancer Institute Total		120,329	
93.397	Cancer Centers Support Grants	Pass-through	Emory University	A234170	100,747	
93.397	Cancer Centers Support Grants	Pass-through	Emory University Total		100,747	
93.397	Cancer Centers Support Grants	Pass-through	Indiana University	8198	60,865	
93.397	Cancer Centers Support Grants	Pass-through	Indiana University	8201	164,294	
93.397	Cancer Centers Support Grants	Pass-through	Indiana University	IN4687579UCSF	(197)	
93.397	Cancer Centers Support Grants	Pass-through	Indiana University	IN-4689878-UCSF	300,172	
93.397	Cancer Centers Support Grants	Pass-through	Indiana University	IN4689883UCSF	5,613	
93.397	Cancer Centers Support Grants	Pass-through	Indiana University Total		530,746	
93.397	Cancer Centers Support Grants	Pass-through	Institute For Systems Biology	2018.0013	536,405	
93.397	Cancer Centers Support Grants	Pass-through	Institute For Systems Biology Total		536,405	
93.397	Cancer Centers Support Grants	Pass-through	New Mexico State University	U54CA132383	13,068	
93.397	Cancer Centers Support Grants	Pass-through	New Mexico State University Total		13,068	
93.397	Cancer Centers Support Grants	Pass-through	Northwestern University	60040958UCSF	40,028	
93.397	Cancer Centers Support Grants	Pass-through	Northwestern University Total		40,028	
93.397	Cancer Centers Support Grants	Pass-through	Oregon Health & Science University	1010517	5,041	
93.397	Cancer Centers Support Grants	Pass-through	Oregon Health & Science University	1010517_UCBERKELEY_A	2,521	
93.397	Cancer Centers Support Grants	Pass-through	Oregon Health & Science University	1010517_UCBERKELEY_A5	89,309	
93.397	Cancer Centers Support Grants	Pass-through	Oregon Health & Science University Total		96,871	
93.397	Cancer Centers Support Grants	Pass-through	Research Foundation Of Cuny On Behalf Of Brooklyn College	89BFF	17,971	
93.397	Cancer Centers Support Grants	Pass-through	Research Foundation Of Cuny On Behalf Of Brooklyn College Total		17,971	
93.397	Cancer Centers Support Grants	Pass-through	Systems Biology Institute	010201	79,823	
93.397	Cancer Centers Support Grants	Pass-through	Systems Biology Institute Total		79,823	
93.397	Cancer Centers Support Grants	Pass-through	University Of Chicago	SUB FP069111-01 (CA233307)	37,668	
93.397	Cancer Centers Support Grants	Pass-through	University Of Chicago Total		37,668	
93.397	Cancer Centers Support Grants	Pass-through	University Of Michigan	3004314292	(2,463)	
93.397	Cancer Centers Support Grants	Pass-through	University Of Michigan	SUBK00010024	15,007	
93.397	Cancer Centers Support Grants	Pass-through	University Of Michigan Total		12,545	
93.397	Cancer Centers Support Grants	Pass-through	University Of Pittsburgh	0046110 (127890-1)	107,231	
93.397	Cancer Centers Support Grants	Pass-through	University Of Pittsburgh	9013520 (128999-1)	6,942	
93.397	Cancer Centers Support Grants	Pass-through	University Of Pittsburgh Total		114,173	
93.397	Cancer Centers Support Grants	Pass-through	University Of Texas Health Science Center At San Antonio	166577/165362	228,538	
93.397	Cancer Centers Support Grants	Pass-through	University Of Texas Health Science Center At San Antonio Total		228,538	
93.397	Cancer Centers Support Grants	Pass-through	Washington University In St. Louis	WU-19-171	17,450	
93.397	Cancer Centers Support Grants	Pass-through	Washington University In St. Louis Total		17,450	
93.397	Cancer Centers Support Grants	Pass-through	Yeshiva University	31062B	14,022	
93.397	Cancer Centers Support Grants	Pass-through	Yeshiva University Total		14,022	
93.397	Cancer Centers Support Grants Total				38,657,799	1,112,687
93.398	Cancer Research Manpower	Direct	National Institutes of Health (NIH)	Various	14,280,422	118,354
93.398	Cancer Research Manpower	Direct	National Institutes of Health (NIH) Total		14,280,422	118,354
93.398	Cancer Research Manpower	Pass-through	NRG Oncology	78996	185,183	
93.398	Cancer Research Manpower	Pass-through	NRG Oncology Total		185,183	
93.398	Cancer Research Manpower	Pass-through	Purdue University	11000929-026	31,868	
93.398	Cancer Research Manpower	Pass-through	Purdue University Total		31,868	
93.398	Cancer Research Manpower	Pass-through	University Of Texas Health Science Center At San Antonio	158716/158715	11,206	
93.398	Cancer Research Manpower	Pass-through	University Of Texas Health Science Center At San Antonio Total		11,206	
93.398	Cancer Research Manpower Total				14,508,678	118,354
93.399	Cancer Control	Direct	National Institutes of Health (NIH)	Various	(25,158)	
93.399	Cancer Control	Direct	National Institutes of Health (NIH) Total		(25,158)	
93.399	Cancer Control	Pass-through	Brigham And Women's Hospital	CALGB/CA136	25,952	
93.399	Cancer Control	Pass-through	Brigham And Women's Hospital Total		25,952	
93.399	Cancer Control	Pass-through	Children's Hospital Of Philadelphia	2UG1CA189955	61,665	
93.399	Cancer Control	Pass-through	Children's Hospital Of Philadelphia Total		61,665	
93.399	Cancer Control	Pass-through	NRG Oncology	NCORP-GOG0237-GY6	71,762	
93.399	Cancer Control	Pass-through	NRG Oncology	NRG-5578539	49,051	
93.399	Cancer Control	Pass-through	NRG Oncology Total		120,813	
93.399	Cancer Control	Pass-through	Oregon Health & Science University	A20-2986	2,250	
93.399	Cancer Control	Pass-through	Oregon Health & Science University	S1320	1,167	
93.399	Cancer Control	Pass-through	Oregon Health & Science University Total		3,418	
93.399	Cancer Control Total				186,689	
93.421	Strengthening Public Health Systems And Services Through National Partnerships To Improve And Protect The Nation'S Health	Pass-through	National Association Of Chronic Disease Directors	SUB 2322019(NONE)	38,077	
93.421	Strengthening Public Health Systems And Services Through National Partnerships To Improve And Protect The Nation'S Health	Pass-through	National Association Of Chronic Disease Directors Total		38,077	
93.421	Strengthening Public Health Systems And Services Through National Partnerships To Improve And Protect The Nation'S Health	Pass-through	University Of Washington	UWSC10959	86,686	
93.421	Strengthening Public Health Systems And Services Through National Partnerships To Improve And Protect The Nation'S Health	Pass-through	University Of Washington Total		86,686	
93.421	Strengthening Public Health Systems And Services Through National Partnerships To Improve And Protect The Nation'S Health Total				124,763	
93.424	Non-ACA/PPHF—Building Capacity Of The Public Health System To Improve Population Health Through National Nonprofit Organizations	Pass-through	March Of Dimes Foundation	8790D	423	
93.424	Non-ACA/PPHF—Building Capacity Of The Public Health System To Improve Population Health Through National Nonprofit Organizations	Pass-through	March Of Dimes Foundation Total		423	
93.424	Non-ACA/PPHF—Building Capacity Of The Public Health System To Improve Population Health Through National Nonprofit Organizations	Pass-through	Organization Of Teratology Information Specialists	SUB NONE(20174089)	7,375	
93.424	Non-ACA/PPHF—Building Capacity Of The Public Health System To Improve Population Health Through National Nonprofit Organizations	Pass-through	Organization Of Teratology Information Specialists Total		7,375	
93.424	Non-ACA/PPHF—Building Capacity Of The Public Health System To Improve Population Health Through National Nonprofit Organizations Total				7,798	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.426	Improving The Health Of Americans Through Prevention And Management Of Diabetes And Heart Disease And Stroke	Pass-through	California Department Of Public Health	18-10348	93,890	
93.426	Improving The Health Of Americans Through Prevention And Management Of Diabetes And Heart Disease And Stroke	Pass-through	California Department Of Public Health Total		93,890	
93.426	Improving The Health Of Americans Through Prevention And Management Of Diabetes And Heart Disease And Stroke Total				93,890	
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research	Direct	Office of the Secretary (OS)	Various	436,891	10,001
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research	Direct	Office of the Secretary (OS) Total		436,891	10,001
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research	Pass-through	Brandeis University	403691	56,751	
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research	Pass-through	Brandeis University Total		56,751	
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research	Pass-through	Ohio University	60072153-CYC1	17,383	
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research	Pass-through	Ohio University	60072676-CYC1	7,405	
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research	Pass-through	Ohio University Total		24,788	
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research	Pass-through	Rehabilitation Institute Of Chicago	7246	112,944	
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research	Pass-through	Rehabilitation Institute Of Chicago Total		112,944	
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research	Pass-through	Shepherd Center, Inc.	SHEP-20-0002	39,459	
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research	Pass-through	Shepherd Center, Inc. Total		39,459	
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research	Pass-through	University Of Minnesota	A005198604	20,079	
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research	Pass-through	University Of Minnesota Total		20,079	
93.433	Accl National Institute On Disability, Independent Living, And Rehabilitation Research Total				690,911	10,001
93.435	Innovative State And Local Public Health Strategies To Prevent And Manage Diabetes And Heart Disease And Stroke	Pass-through	San Diego County	20868	325,098	
93.435	Innovative State And Local Public Health Strategies To Prevent And Manage Diabetes And Heart Disease And Stroke	Pass-through	San Diego County Total		325,098	
93.435	Innovative State And Local Public Health Strategies To Prevent And Manage Diabetes And Heart Disease And Stroke Total				325,098	
93.470	Alzheimer'S Disease Program Initiative (ADPI)	Direct	Office of the Secretary (OS)	90ADPI0028	208,012	
93.470	Alzheimer'S Disease Program Initiative (ADPI)	Direct	Office of the Secretary (OS) Total		208,012	
93.470	Alzheimer'S Disease Program Initiative (ADPI) Total				208,012	
93.508	Affordable Care Act (ACA) Tribal Maternal, Infant, And Early Childhood Home Visiting Program	Pass-through	Riverside-San Bernardino County Indian Health, Inc	57523	(504)	
93.508	Affordable Care Act (ACA) Tribal Maternal, Infant, And Early Childhood Home Visiting Program	Pass-through	Riverside-San Bernardino County Indian Health, Inc Total		(504)	
93.508	Affordable Care Act (ACA) Tribal Maternal, Infant, And Early Childhood Home Visiting Program Total				(504)	
93.516	Public Health Training Centers Program	Pass-through	University Of Arizona	455319	61,037	53,148
93.516	Public Health Training Centers Program	Pass-through	University Of Arizona Total		61,037	53,148
93.516	Public Health Training Centers Program Total				61,037	53,148
93.542	Health Promotion And Disease Prevention Research Centers: Pphf - Affordable Care Act Projects	Pass-through	Johns Hopkins University	SUB 2002922541(DP005045)	31,960	
93.542	Health Promotion And Disease Prevention Research Centers: Pphf - Affordable Care Act Projects	Pass-through	Johns Hopkins University Total		31,960	
93.542	Health Promotion And Disease Prevention Research Centers: Pphf - Affordable Care Act Projects Total				31,960	
93.595	Welfare Reform Research, Evaluations And National Studies	Direct	Office of Human Development Services (OHDS)	Various	22,747	
93.595	Welfare Reform Research, Evaluations And National Studies	Direct	Office of Human Development Services (OHDS) Total		22,747	
93.595	Welfare Reform Research, Evaluations And National Studies Total				22,747	
93.623	Basic Center Grant	Pass-through	Suny University At Albany	60491	(8,059)	4,419
93.623	Basic Center Grant	Pass-through	Suny University At Albany Total		(8,059)	4,419
93.623	Basic Center Grant Total				(8,059)	4,419
93.632	University Centers For Excellence In Developmental Disabilities Education, Research, And Service	Direct	Office of the Secretary (OS)	Various	531,307	
93.632	University Centers For Excellence In Developmental Disabilities Education, Research, And Service	Direct	Office of the Secretary (OS) Total		531,307	
93.632	University Centers For Excellence In Developmental Disabilities Education, Research, And Service Total				531,307	
93.648	Child Welfare Research Training Or Demonstration	Pass-through	University Of Nebraska	24-0520-0261-005	228,219	
93.648	Child Welfare Research Training Or Demonstration	Pass-through	University Of Nebraska Total		228,219	
93.648	Child Welfare Research Training Or Demonstration Total				228,219	
93.687	Maternal Opioid Misuse Model	Pass-through	Kaiser Permanente Division Of Research	RNG209336-01	64,157	
93.687	Maternal Opioid Misuse Model	Pass-through	Kaiser Permanente Division Of Research Total		64,157	
93.687	Maternal Opioid Misuse Model Total				64,157	
93.701	Trans-NIH Recovery Act Research Support	Direct	National Institutes Of Health (NIH)		401	
93.701	Trans-NIH Recovery Act Research Support	Direct	National Institutes Of Health (NIH) Total		401	
93.701	Trans-NIH Recovery Act Research Support	Pass-through	The University Of Alabama (Tuscaloosa)	83323	(1,914)	
93.701	Trans-NIH Recovery Act Research Support	Pass-through	The University Of Alabama (Tuscaloosa) Total		(1,914)	
93.701	Trans-NIH Recovery Act Research Support Total				(1,514)	
93.732	Mental And Behavioral Health Education And Training Grants	Direct	Health Resources and Services Administration (HRSA)	Various	407,137	
93.732	Mental And Behavioral Health Education And Training Grants	Direct	Health Resources and Services Administration (HRSA) Total		407,137	
93.732	Mental And Behavioral Health Education And Training Grants Total				407,137	
93.733	Capacity Building Assistance To Strengthen Public Health Immunization Infrastructure And Performance - Financed In Part By The Prevention And Public Health Fund (PPHF)	Pass-through	Academic Pediatric Association	20152248	43,671	
93.733	Capacity Building Assistance To Strengthen Public Health Immunization Infrastructure And Performance - Financed In Part By The Prevention And Public Health Fund (PPHF)	Pass-through	Academic Pediatric Association Total		43,671	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.733	Capacity Building Assistance To Strengthen Public Health Immunization Infrastructure And Performance – Financed In Part By The Prevention And Public Health Fund (PPHF) Total				43,671	
93.738	PPHF: Racial And Ethnic Approaches To Community Health Program Financed Solely By Public Prevention And Health Funds	Pass-through	Public Health Advocates	20190083	94,814	
93.738	PPHF: Racial And Ethnic Approaches To Community Health Program Financed Solely By Public Prevention And Health Funds	Pass-through	Public Health Advocates Total		94,814	
93.738	PPHF: Racial And Ethnic Approaches To Community Health Program Financed Solely By Public Prevention And Health Funds Total				94,814	
93.747	Elder Abuse Prevention Interventions Program	Direct	Office of Human Development Services (OHDS)	Various	454,999	53,188
93.747	Elder Abuse Prevention Interventions Program	Direct	Office of Human Development Services (OHDS) Total		454,999	53,188
93.747	Elder Abuse Prevention Interventions Program Total				454,999	53,188
93.758	Preventive Health And Health Services Block Grant Funded Solely With Prevention And Public Health Funds (PPHF)	Pass-through	California Department Of Public Health	18-10193	564,422	
93.758	Preventive Health And Health Services Block Grant Funded Solely With Prevention And Public Health Funds (PPHF)	Pass-through	California Department Of Public Health Total		564,422	
93.758	Preventive Health And Health Services Block Grant Funded Solely With Prevention And Public Health Funds (PPHF) Total				564,422	
93.762	A Comprehensive Approach To Good Health And Wellness In Indian County – Financed Solely By Prevention And Public Health	Pass-through	California Rural Indian Health Board, Inc.	20184458:1	59,499	(1,000)
93.762	A Comprehensive Approach To Good Health And Wellness In Indian County – Financed Solely By Prevention And Public Health	Pass-through	California Rural Indian Health Board, Inc. Total		59,499	(1,000)
93.762	A Comprehensive Approach To Good Health And Wellness In Indian County – Financed Solely By Prevention And Public Health Total				59,499	(1,000)
93.763	Alzheimer'S Disease Initiative: Specialized Supportive Services Project (ADI-SSS) Thru Prevention And Public Health Funds (PPHF)	Direct	Office of the Secretary (OS)	90ALGG0006-01-00	235,458	20,228
93.763	Alzheimer'S Disease Initiative: Specialized Supportive Services Project (ADI-SSS) Thru Prevention And Public Health Funds (PPHF)	Direct	Office of the Secretary (OS) Total		235,458	20,228
93.763	Alzheimer'S Disease Initiative: Specialized Supportive Services Project (ADI-SSS) Thru Prevention And Public Health Funds (PPHF)	Pass-through	City And County Of San Francisco	A129735	17,227	
93.763	Alzheimer'S Disease Initiative: Specialized Supportive Services Project (ADI-SSS) Thru Prevention And Public Health Funds (PPHF)	Pass-through	City And County Of San Francisco Total		17,227	
93.763	Alzheimer'S Disease Initiative: Specialized Supportive Services Project (ADI-SSS) Thru Prevention And Public Health Funds (PPHF) Total				252,685	20,228
93.767	Children'S Health Insurance Program (CHIP)	Pass-through	Johns Hopkins University	75P0119F37008	106,524	
93.767	Children'S Health Insurance Program (CHIP)	Pass-through	Johns Hopkins University Total		106,524	
93.767	Children'S Health Insurance Program (CHIP) Total				106,524	
93.827	Educating State-Level Stakeholders On Strategies To Address Winnable Battles In Public Health	Pass-through	Brigham And Women's Hospital	89467	1	
93.827	Educating State-Level Stakeholders On Strategies To Address Winnable Battles In Public Health	Pass-through	Brigham And Women's Hospital Total		1	
93.827	Educating State-Level Stakeholders On Strategies To Address Winnable Battles In Public Health Total				1	
93.834	Capacity Building Assistance (CBA) For High-Impact HIV Prevention	Pass-through	Heluna Health	A132813	437,459	
93.834	Capacity Building Assistance (CBA) For High-Impact HIV Prevention	Pass-through	Heluna Health Total		437,459	
93.834	Capacity Building Assistance (CBA) For High-Impact HIV Prevention Total				437,459	
93.837	Cardiovascular Diseases Research	Direct	National Institutes of Health (NIH)	Various	106,480,014	11,596,508
93.837	Cardiovascular Diseases Research	Direct	National Institutes of Health (NIH) Total		106,480,014	11,596,508
93.837	Cardiovascular Diseases Research	Pass-through	Albert Einstein College Of Medicine	SUB 311257(HL140976)	101,534	
93.837	Cardiovascular Diseases Research	Pass-through	Albert Einstein College Of Medicine Total		101,534	
93.837	Cardiovascular Diseases Research	Pass-through	Baylor College Of Medicine	5601104669	34,060	
93.837	Cardiovascular Diseases Research	Pass-through	Baylor College Of Medicine Total		34,060	
93.837	Cardiovascular Diseases Research	Pass-through	Boston University	4500003027	95,327	
93.837	Cardiovascular Diseases Research	Pass-through	Boston University Total		95,327	
93.837	Cardiovascular Diseases Research	Pass-through	Brigham And Women's Hospital	114117	13,251	
93.837	Cardiovascular Diseases Research	Pass-through	Brigham And Women's Hospital	120816	12,954	
93.837	Cardiovascular Diseases Research	Pass-through	Brigham And Women's Hospital	SUO1HL101422	2,042	
93.837	Cardiovascular Diseases Research	Pass-through	Brigham And Women's Hospital	78656	(3,028)	
93.837	Cardiovascular Diseases Research	Pass-through	Brigham And Women's Hospital	85301	3,121	
93.837	Cardiovascular Diseases Research	Pass-through	Brigham And Women's Hospital	858DA	(20)	
93.837	Cardiovascular Diseases Research	Pass-through	Brigham And Women's Hospital	87582	(43,271)	
93.837	Cardiovascular Diseases Research	Pass-through	Brigham And Women's Hospital	87508	(6,166)	
93.837	Cardiovascular Diseases Research	Pass-through	Brigham And Women's Hospital	89165	77,579	
93.837	Cardiovascular Diseases Research	Pass-through	Brigham And Women's Hospital	SUB 117712 (HL134811)	242,539	
93.837	Cardiovascular Diseases Research	Pass-through	Brigham And Women's Hospital	SUB 120938 (HL034594)	283,968	
93.837	Cardiovascular Diseases Research	Pass-through	Brigham And Women's Hospital Total		582,967	
93.837	Cardiovascular Diseases Research	Pass-through	California State University, San Diego State University	SUB SA0000320-321-322 (HL08557)	(2)	
93.837	Cardiovascular Diseases Research	Pass-through	California State University, San Diego State University Total		(2)	
93.837	Cardiovascular Diseases Research	Pass-through	California State University, San Francisco State University	S18-0011	20,407	
93.837	Cardiovascular Diseases Research	Pass-through	California State University, San Francisco State University Total		20,407	
93.837	Cardiovascular Diseases Research	Pass-through	Care New England Health System	SUB 5001381(HL130591)	81,048	
93.837	Cardiovascular Diseases Research	Pass-through	Care New England Health System Total		81,048	
93.837	Cardiovascular Diseases Research	Pass-through	Cedars-Sinai Medical Center	0001454811:7	72,228	
93.837	Cardiovascular Diseases Research	Pass-through	Cedars-Sinai Medical Center	0001562752:1	224,579	
93.837	Cardiovascular Diseases Research	Pass-through	Cedars-Sinai Medical Center	20201604	17,720	
93.837	Cardiovascular Diseases Research	Pass-through	Cedars-Sinai Medical Center	SUB 1569406 (HL134227)	295,094	
93.837	Cardiovascular Diseases Research	Pass-through	Cedars-Sinai Medical Center	SUB 1589403 (HL134168)	113,064	
93.837	Cardiovascular Diseases Research	Pass-through	Cedars-Sinai Medical Center Total		722,684	
93.837	Cardiovascular Diseases Research	Pass-through	Children's Hospital Los Angeles	20192539	49,163	
93.837	Cardiovascular Diseases Research	Pass-through	Children's Hospital Los Angeles Total		49,163	
93.837	Cardiovascular Diseases Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	137341	303,614	
93.837	Cardiovascular Diseases Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	SUB 138275(HL131003)	76,608	
93.837	Cardiovascular Diseases Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	SUB 138281 (HL131003)	399,643	
93.837	Cardiovascular Diseases Research	Pass-through	Children's Hospital Medical Center Of Cincinnati Total		779,865	
93.837	Cardiovascular Diseases Research	Pass-through	Children's Hospital Of Philadelphia	3200170321:3	11,567	
93.837	Cardiovascular Diseases Research	Pass-through	Children's Hospital Of Philadelphia Total		11,567	
93.837	Cardiovascular Diseases Research	Pass-through	Children's Mercy Hospital, The	SUB 801164 (HL148463)	18,685	
93.837	Cardiovascular Diseases Research	Pass-through	Children's Mercy Hospital, The Total		18,685	
93.837	Cardiovascular Diseases Research	Pass-through	Columbia University	1(GG011028)	89,203	
93.837	Cardiovascular Diseases Research	Pass-through	Columbia University	7(GG011046-04):3	23,832	
93.837	Cardiovascular Diseases Research	Pass-through	Columbia University	78972	(1,374)	
93.837	Cardiovascular Diseases Research	Pass-through	Columbia University Total		111,662	
93.837	Cardiovascular Diseases Research	Pass-through	Columbia University Medical Center	1(GG011659)	10,220	
93.837	Cardiovascular Diseases Research	Pass-through	Columbia University Medical Center Total		10,220	
93.837	Cardiovascular Diseases Research	Pass-through	Cornell University	71A54	(12,949)	
93.837	Cardiovascular Diseases Research	Pass-through	Cornell University Total		(12,949)	
93.837	Cardiovascular Diseases Research	Pass-through	Deton Corporation	873DE	(577)	
93.837	Cardiovascular Diseases Research	Pass-through	Deton Corporation Total		(577)	
93.837	Cardiovascular Diseases Research	Pass-through	Drexel University	800193	33,493	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.837	Cardiovascular Diseases Research	Pass-through	Drexel University	800193-3	32,628	
93.837	Cardiovascular Diseases Research	Pass-through	Drexel University Total		56,121	
93.837	Cardiovascular Diseases Research	Pass-through	Duke University	A030592	288,866	
93.837	Cardiovascular Diseases Research	Pass-through	Duke University	SUB 2035665 (HL13753)	23,264	
93.837	Cardiovascular Diseases Research	Pass-through	Duke University Total		312,130	
93.837	Cardiovascular Diseases Research	Pass-through	Effectorbio, Inc. Total	A19-1474	9,402	
93.837	Cardiovascular Diseases Research	Pass-through	Effectorbio, Inc. Total		5,402	
93.837	Cardiovascular Diseases Research	Pass-through	Fred Hutchinson Cancer Research Center	87A09	(5,379)	
93.837	Cardiovascular Diseases Research	Pass-through	Fred Hutchinson Cancer Research Center	87BF3	234,384	
93.837	Cardiovascular Diseases Research	Pass-through	Fred Hutchinson Cancer Research Center Total		229,005	
93.837	Cardiovascular Diseases Research	Pass-through	Georgia Tech Research Corporation	RG884-G1	197,821	
93.837	Cardiovascular Diseases Research	Pass-through	Georgia Tech Research Corporation Total		197,821	
93.837	Cardiovascular Diseases Research	Pass-through	Gladstone Institutes	R02177-C	42,413	
93.837	Cardiovascular Diseases Research	Pass-through	Gladstone Institutes	SC-00002	369,260	
93.837	Cardiovascular Diseases Research	Pass-through	Gladstone Institutes Total		411,674	
93.837	Cardiovascular Diseases Research	Pass-through	Huntington Medical Research Institutes	6085-18-01-CYC1	465,495	
93.837	Cardiovascular Diseases Research	Pass-through	Huntington Medical Research Institutes Total		465,495	
93.837	Cardiovascular Diseases Research	Pass-through	Ichahn School Of Medicine At Mount Sinai	875DC	6,705	
93.837	Cardiovascular Diseases Research	Pass-through	Ichahn School Of Medicine At Mount Sinai Total		6,705	
93.837	Cardiovascular Diseases Research	Pass-through	Indiana University	IN4687648UCLA-1	237,670	
93.837	Cardiovascular Diseases Research	Pass-through	Indiana University Total		237,670	
93.837	Cardiovascular Diseases Research	Pass-through	Kaiser Foundation Health Plan Of Washington	SUB 201810333 (HL125440)	7,835	
93.837	Cardiovascular Diseases Research	Pass-through	Kaiser Foundation Health Plan Of Washington Total		7,835	
93.837	Cardiovascular Diseases Research	Pass-through	Kaiser Foundation Research Institution	R01DK118455	19,244	
93.837	Cardiovascular Diseases Research	Pass-through	Kaiser Foundation Research Institution Total		19,244	
93.837	Cardiovascular Diseases Research	Pass-through	Kaiser Permanente Division Of Research	RNG209677-01	155,587	
93.837	Cardiovascular Diseases Research	Pass-through	Kaiser Permanente Division Of Research Total		155,587	
93.837	Cardiovascular Diseases Research	Pass-through	Kent County Memorial Hospital	5001381-KLEIN	64,108	
93.837	Cardiovascular Diseases Research	Pass-through	Kent County Memorial Hospital Total		64,108	
93.837	Cardiovascular Diseases Research	Pass-through	La Jolla Institute For Immunology	88377	(13,413)	
93.837	Cardiovascular Diseases Research	Pass-through	La Jolla Institute For Immunology	SUB 22817-44-393 (HL136275)	453,172	
93.837	Cardiovascular Diseases Research	Pass-through	La Jolla Institute For Immunology Total		151,388	
93.837	Cardiovascular Diseases Research	Pass-through	La Jolla Institute For Immunology Total		591,147	
93.837	Cardiovascular Diseases Research	Pass-through	Lundquist Institute For Biomedical Innovation At Harbor-Ucla Medical C	008874	33,007	
93.837	Cardiovascular Diseases Research	Pass-through	Lundquist Institute For Biomedical Innovation At Harbor-Ucla Medical C Total		33,007	
93.837	Cardiovascular Diseases Research	Pass-through	Massachusetts General Hospital	20152908.6	21,634	
93.837	Cardiovascular Diseases Research	Pass-through	Massachusetts General Hospital	230744.2	110,501	
93.837	Cardiovascular Diseases Research	Pass-through	Massachusetts General Hospital	SUB 231822 (HL140224)	480,432	
93.837	Cardiovascular Diseases Research	Pass-through	Massachusetts General Hospital	U01HL23336	23,389	
93.837	Cardiovascular Diseases Research	Pass-through	Massachusetts General Hospital Total		635,955	
93.837	Cardiovascular Diseases Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	80329	(7)	
93.837	Cardiovascular Diseases Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	SAF-243773	226,014	
93.837	Cardiovascular Diseases Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	UNI-239863-01/PO #6646734	192,971	
93.837	Cardiovascular Diseases Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research Total		418,978	
93.837	Cardiovascular Diseases Research	Pass-through	Mcgill University	876DE	41,892	
93.837	Cardiovascular Diseases Research	Pass-through	Mcgill University Total		41,892	
93.837	Cardiovascular Diseases Research	Pass-through	Mcquire Research Institute, Inc.	1R34HL13811001	5,355	
93.837	Cardiovascular Diseases Research	Pass-through	Mcquire Research Institute, Inc. Total		5,355	
93.837	Cardiovascular Diseases Research	Pass-through	Medical College Of Wisconsin	20195111	4,961	
93.837	Cardiovascular Diseases Research	Pass-through	Medical College Of Wisconsin Total		4,961	
93.837	Cardiovascular Diseases Research	Pass-through	Memorial Hospital Of Rhode Island	5001191-KLEIN	(37,668)	
93.837	Cardiovascular Diseases Research	Pass-through	Memorial Hospital Of Rhode Island Total		(37,668)	
93.837	Cardiovascular Diseases Research	Pass-through	National Bureau Of Economic Research, Inc	4144B UCSF	151,236	
93.837	Cardiovascular Diseases Research	Pass-through	National Bureau Of Economic Research, Inc Total		151,236	
93.837	Cardiovascular Diseases Research	Pass-through	National Heart, Lung And Blood Institute	11562SC	1,061,688	
93.837	Cardiovascular Diseases Research	Pass-through	National Heart, Lung And Blood Institute	92005C-04	68,349	
93.837	Cardiovascular Diseases Research	Pass-through	National Heart, Lung And Blood Institute Total		1,130,037	
93.837	Cardiovascular Diseases Research	Pass-through	National Jewish Health	20100604 UCSF SUB	85,491	
93.837	Cardiovascular Diseases Research	Pass-through	National Jewish Health	20103404	42,200	
93.837	Cardiovascular Diseases Research	Pass-through	National Jewish Health Total		127,691	
93.837	Cardiovascular Diseases Research	Pass-through	New England Research Institute, Inc.	201500084	3,917	
93.837	Cardiovascular Diseases Research	Pass-through	New England Research Institute, Inc.	79649	2,478	
93.837	Cardiovascular Diseases Research	Pass-through	New England Research Institute, Inc.	BEST-CLI	912	
93.837	Cardiovascular Diseases Research	Pass-through	New England Research Institute, Inc.	G140030	23,436	
93.837	Cardiovascular Diseases Research	Pass-through	New England Research Institute, Inc.	SUB 20193775 (HL135691)	13,996	
93.837	Cardiovascular Diseases Research	Pass-through	New England Research Institute, Inc. Total		44,740	
93.837	Cardiovascular Diseases Research	Pass-through	New York University	18-AD-00-1001035-01	14,112	
93.837	Cardiovascular Diseases Research	Pass-through	New York University	20131088	2,129	
93.837	Cardiovascular Diseases Research	Pass-through	New York University	78385	(551)	
93.837	Cardiovascular Diseases Research	Pass-through	New York University	NYU-103915-CYC3	3,708	
93.837	Cardiovascular Diseases Research	Pass-through	New York University	NYU-202588-CYC4	(10,515)	
93.837	Cardiovascular Diseases Research	Pass-through	New York University Total		8,882	
93.837	Cardiovascular Diseases Research	Pass-through	Northwestern University	60043010UCSF	29,322	
93.837	Cardiovascular Diseases Research	Pass-through	Northwestern University	60054643 UCSF	60,243	
93.837	Cardiovascular Diseases Research	Pass-through	Northwestern University	SUB 60043010 UCSD (HL130502)	40,791	
93.837	Cardiovascular Diseases Research	Pass-through	Northwestern University Total		130,357	
93.837	Cardiovascular Diseases Research	Pass-through	Ohio State University	59805	(35,196)	
93.837	Cardiovascular Diseases Research	Pass-through	Ohio State University	60071080	11,623	
93.837	Cardiovascular Diseases Research	Pass-through	Ohio State University Total		(23,572)	
93.837	Cardiovascular Diseases Research	Pass-through	Optima Integrated Health, Inc	A130200	(115,838)	
93.837	Cardiovascular Diseases Research	Pass-through	Optima Integrated Health, Inc	A133317	34,283	
93.837	Cardiovascular Diseases Research	Pass-through	Optima Integrated Health, Inc	R44HL149428-01	223,874	
93.837	Cardiovascular Diseases Research	Pass-through	Optima Integrated Health, Inc Total		142,318	
93.837	Cardiovascular Diseases Research	Pass-through	Oregon Health & Science University	1015340	46,174	
93.837	Cardiovascular Diseases Research	Pass-through	Oregon Health & Science University	79074	(4,661)	
93.837	Cardiovascular Diseases Research	Pass-through	Oregon Health & Science University	79592	(472)	
93.837	Cardiovascular Diseases Research	Pass-through	Oregon Health & Science University Total		41,041	
93.837	Cardiovascular Diseases Research	Pass-through	Partners Healthcare System, Inc	229172	80,434	
93.837	Cardiovascular Diseases Research	Pass-through	Partners Healthcare System, Inc Total		80,434	
93.837	Cardiovascular Diseases Research	Pass-through	Rady Children's Hospital-San Diego	SUB S1072-1002532-SA1 (HL14517)	238,060	
93.837	Cardiovascular Diseases Research	Pass-through	Rady Children's Hospital-San Diego Total		238,060	
93.837	Cardiovascular Diseases Research	Pass-through	Rand Corporation	SCON-00000309	13,208	
93.837	Cardiovascular Diseases Research	Pass-through	Rand Corporation Total		13,208	
93.837	Cardiovascular Diseases Research	Pass-through	Rice University	R22636	74,638	
93.837	Cardiovascular Diseases Research	Pass-through	Rice University Total		74,638	
93.837	Cardiovascular Diseases Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute	60062-12920	379,208	
93.837	Cardiovascular Diseases Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute	874D0	364,643	
93.837	Cardiovascular Diseases Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute Total		743,851	
93.837	Cardiovascular Diseases Research	Pass-through	Seattle Children's Hospital	8778D	(1,087)	
93.837	Cardiovascular Diseases Research	Pass-through	Seattle Children's Hospital	SUB 11903SUB (HL128630)	51,596	
93.837	Cardiovascular Diseases Research	Pass-through	Seattle Children's Hospital Total		50,510	
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University	36B10	153,441	
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University	60594679-107635	24,495	
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University	61335463-121980	96,189	
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University	61786701-132591	72,149	
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University	62060911-135894	101,399	
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University	62163872-136790	153,960	
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University	874A8	74,163	
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University	A20-3260	143,428	
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University	P01HL141084	359,915	
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University	R01HL141358	39,636	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University	SUB 61153993-121531(HL123689)	108,813	
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University	SUB 61324668-122625(HL130840)	58,298	
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University	SUB 62114678-131050 (HL141712)	106,866	
93.837	Cardiovascular Diseases Research	Pass-through	Stanford University Total		1,492,752	
93.837	Cardiovascular Diseases Research	Pass-through	Texas A&M University - College Station	87CB2	17,199	
93.837	Cardiovascular Diseases Research	Pass-through	Texas A&M University - College Station Total		17,199	
93.837	Cardiovascular Diseases Research	Pass-through	Texas Heart Institute	20191695	159,399	
93.837	Cardiovascular Diseases Research	Pass-through	Texas Heart Institute Total		159,399	
93.837	Cardiovascular Diseases Research	Pass-through	Texas Technical University	C1006	(26,597)	
93.837	Cardiovascular Diseases Research	Pass-through	Texas Technical University Total		(26,597)	
93.837	Cardiovascular Diseases Research	Pass-through	The Hektoen Institute Of Medicine	50811-324-UCSF01	25,445	
93.837	Cardiovascular Diseases Research	Pass-through	The Hektoen Institute Of Medicine Total		25,445	
93.837	Cardiovascular Diseases Research	Pass-through	The University Of Alabama At Birmingham	000518828-002	235,955	
93.837	Cardiovascular Diseases Research	Pass-through	The University Of Alabama At Birmingham	CNICS ADMIN CORE	389	
93.837	Cardiovascular Diseases Research	Pass-through	The University Of Alabama At Birmingham Total		236,344	
93.837	Cardiovascular Diseases Research	Pass-through	Touro College And University System	00007SC	87,875	
93.837	Cardiovascular Diseases Research	Pass-through	Touro College And University System	T00008SC	10,940	
93.837	Cardiovascular Diseases Research	Pass-through	Touro College And University System Total		98,815	
93.837	Cardiovascular Diseases Research	Pass-through	Transtarget, Inc.	A133080	44,348	
93.837	Cardiovascular Diseases Research	Pass-through	Transtarget, Inc. Total		44,348	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Arizona	381130	234,820	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Arizona Total		234,820	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Colorado Boulder	SUB1554895 (HL134887)	160,852	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Colorado Boulder Total		160,852	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Illinois At Chicago	15927	84,268	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Illinois At Chicago Total		84,268	
93.837	Cardiovascular Diseases Research	Pass-through	University Of KentuckyUniversity Of Kentucky Research Foundation	320000734-17-033	2,640	
93.837	Cardiovascular Diseases Research	Pass-through	University Of KentuckyUniversity Of Kentucky Research Foundation Total		2,640	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Louisville Research Foundation, Inc.	011506	9,688	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Louisville Research Foundation, Inc. Total		9,688	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Maryland	1701192 REQUEST: 3336	4,789	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Maryland Total		4,789	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Miami	R56HL146133	16,677	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Miami Total		16,677	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Michigan	73B44	16,516	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Michigan Total		16,516	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Minnesota	N006187401	17,988	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Minnesota	N006187440-1	16,849	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Minnesota	R01HL138539	313,931	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Minnesota Total		348,768	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Mississippi	SP10517-SB2	49,609	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Mississippi Total		49,609	
93.837	Cardiovascular Diseases Research	Pass-through	University Of New Mexico	5R01HL131696	22,583	
93.837	Cardiovascular Diseases Research	Pass-through	University Of New Mexico Total		22,583	
93.837	Cardiovascular Diseases Research	Pass-through	University Of North Carolina At Chapel Hill	89BCB	149,565	
93.837	Cardiovascular Diseases Research	Pass-through	University Of North Carolina At Chapel Hill Total		149,565	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Pennsylvania	567197	46,897	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Pennsylvania	574952	41,759	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Pennsylvania Total		88,655	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Pittsburgh	CNA00062106 (132385-1)	153,262	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Pittsburgh	SUB 0041597 (HL122144)	18,564	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Pittsburgh Total		171,826	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Texas Health Science Center At Tyler	SC18-01	92,877	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Texas Health Science Center At Tyler Total		92,877	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Texas-Austin	UTA16-0005603	187,256	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Texas-Austin Total		187,256	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Utah	SUB DSS 10048367-02 (HL135691)	4,129	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Utah Total		4,129	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Virginia	SUB GB1025 150187 (HL127654)	193,845	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Virginia	SUB GB10392 153894 (HL136098)	7,273	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Virginia Total		201,118	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Washington	BPO18370	62,357	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Washington	SUB UWSCB8735 (HL122199)	35,351	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Washington	UWSC10377-2	2,185	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Washington	UWSC8535-3	99,129	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Washington	UWSC9050	68,217	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Washington Total		267,238	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Wisconsin System	R01HL141214	63,337	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Wisconsin System Total		63,337	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Wisconsin-Madison	866K423	8,111	
93.837	Cardiovascular Diseases Research	Pass-through	University Of Wisconsin-Madison Total		8,111	
93.837	Cardiovascular Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	895G2	136	
93.837	Cardiovascular Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	SUB 08558-309845 (HL066941)	25,622	
93.837	Cardiovascular Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA GUATELLI (A081668)	80,702	
93.837	Cardiovascular Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA VALLON (HL142814)	20,180	
93.837	Cardiovascular Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego Total		126,639	
93.837	Cardiovascular Diseases Research	Pass-through	Wake Forest University	100720-114489-5	30,304	
93.837	Cardiovascular Diseases Research	Pass-through	Wake Forest University Total		30,304	
93.837	Cardiovascular Diseases Research	Pass-through	Washington University In St. Louis	WU-19-358	78,810	
93.837	Cardiovascular Diseases Research	Pass-through	Washington University In St. Louis	WU-20-110	68,835	
93.837	Cardiovascular Diseases Research	Pass-through	Washington University In St. Louis	WU-20-383	33,041	
93.837	Cardiovascular Diseases Research	Pass-through	Washington University In St. Louis Total		180,686	
93.837	Cardiovascular Diseases Research	Pass-through	Wayne State University	WSU20046	936	
93.837	Cardiovascular Diseases Research	Pass-through	Wayne State University Total		936	
93.837	Cardiovascular Diseases Research	Pass-through	Yale University	GK000124 (CON-80000470)-4	141,967	
93.837	Cardiovascular Diseases Research	Pass-through	Yale University	GR102535 (CON-80001209)	18,977	
93.837	Cardiovascular Diseases Research	Pass-through	Yale University	SUB NONE (HL125918)	225	
93.837	Cardiovascular Diseases Research	Pass-through	Yale University Total		161,168	
93.837	Cardiovascular Diseases Research	Pass-through	Yeshiva University	D2033	131	
93.837	Cardiovascular Diseases Research	Pass-through	Yeshiva University Total		131	
93.837	Cardiovascular Diseases Research	Pass-through	Loma Linda University	2160056-UCLA2	125,524	
93.837	Cardiovascular Diseases Research	Pass-through	Loma Linda University Total		125,524	
93.837	Cardiovascular Diseases Research Total				120,773,945	11,596,508
93.838	Lung Diseases Research	Direct	National Institutes of Health (NIH)	Various	41,706,686	8,137,997
93.838	Lung Diseases Research	Direct	National Institutes of Health (NIH) Total		41,706,686	8,137,997
93.838	Lung Diseases Research	Pass-through	Baylor College Of Medicine	7000000159	17,951	
93.838	Lung Diseases Research	Pass-through	Baylor College Of Medicine Total		17,951	
93.838	Lung Diseases Research	Pass-through	Brigham And Women's Hospital	117080	4,153	
93.838	Lung Diseases Research	Pass-through	Brigham And Women's Hospital Total		4,153	
93.838	Lung Diseases Research	Pass-through	Cedars-Sinai Medical Center	1600339-1	192,469	
93.838	Lung Diseases Research	Pass-through	Cedars-Sinai Medical Center	1600340-1	536,297	
93.838	Lung Diseases Research	Pass-through	Cedars-Sinai Medical Center Total		728,766	

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93.838	Lung Diseases Research	Pass-through	Cell Biologics, Inc.	PA-16-303	227,105	
93.838	Lung Diseases Research	Pass-through	Cell Biologics, Inc. Total		227,105	
93.838	Lung Diseases Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	A20-0097-001	1,152	
93.838	Lung Diseases Research	Pass-through	Children's Hospital Medical Center Of Cincinnati Total		1,152	
93.838	Lung Diseases Research	Pass-through	Children's Hospital Of Philadelphia	3200930819-1	7,549	
93.838	Lung Diseases Research	Pass-through	Children's Hospital Of Philadelphia Total		7,549	
93.838	Lung Diseases Research	Pass-through	Columbia University	1(GG010919-05)	69,198	
93.838	Lung Diseases Research	Pass-through	Columbia University	9(GG015835-01)	34,127	
93.838	Lung Diseases Research	Pass-through	Columbia University	SUB 1 GG013356-01(HL138468)	158,334	
93.838	Lung Diseases Research	Pass-through	Columbia University Total		261,659	
93.838	Lung Diseases Research	Pass-through	Columbia University Medical Center	4(GG015835-01)	124,713	
93.838	Lung Diseases Research	Pass-through	Columbia University Medical Center Total		124,713	
93.838	Lung Diseases Research	Pass-through	COPD Foundation	001-1	21,299	
93.838	Lung Diseases Research	Pass-through	COPD Foundation	001-AMEND1	(5)	
93.838	Lung Diseases Research	Pass-through	COPD Foundation	002	47,739	
93.838	Lung Diseases Research	Pass-through	COPD Foundation	002-AMEND1:1	31,363	
93.838	Lung Diseases Research	Pass-through	COPD Foundation	002-AMEND2	3,385	
93.838	Lung Diseases Research	Pass-through	COPD Foundation	003	3,489	
93.838	Lung Diseases Research	Pass-through	COPD Foundation Total		107,270	
93.838	Lung Diseases Research	Pass-through	Johns Hopkins University	2003614631	120,871	
93.838	Lung Diseases Research	Pass-through	Johns Hopkins University Total		120,871	
93.838	Lung Diseases Research	Pass-through	Kaer Biotherapeutics Corporation	A132775	59,222	
93.838	Lung Diseases Research	Pass-through	Kaer Biotherapeutics Corporation Total		59,222	
93.838	Lung Diseases Research	Pass-through	Massachusetts General Hospital	9613SC	567	
93.838	Lung Diseases Research	Pass-through	Massachusetts General Hospital	D6042	8,001	
93.838	Lung Diseases Research	Pass-through	Massachusetts General Hospital	SUB#234261	2,857	
93.838	Lung Diseases Research	Pass-through	Massachusetts General Hospital Total		11,425	
93.838	Lung Diseases Research	Pass-through	National Jewish Health	20111603 UCSF SUB	348,310	
93.838	Lung Diseases Research	Pass-through	National Jewish Health	20116001-UCSF	263,319	
93.838	Lung Diseases Research	Pass-through	National Jewish Health Total		611,629	
93.838	Lung Diseases Research	Pass-through	Partners Healthcare System, Inc	U01HL123009	9,978	
93.838	Lung Diseases Research	Pass-through	Partners Healthcare System, Inc Total		9,978	
93.838	Lung Diseases Research	Pass-through	Pennsylvania State University	B1687	18,887	
93.838	Lung Diseases Research	Pass-through	Pennsylvania State University	B2280	305	
93.838	Lung Diseases Research	Pass-through	Pennsylvania State University Total		19,192	
93.838	Lung Diseases Research	Pass-through	Stanford University	62346239-131009	8,227	
93.838	Lung Diseases Research	Pass-through	Stanford University Total		8,227	
93.838	Lung Diseases Research	Pass-through	The University Of Alabama At Birmingham	89347	212	
93.838	Lung Diseases Research	Pass-through	The University Of Alabama At Birmingham Total		212	
93.838	Lung Diseases Research	Pass-through	Tulane University	TUL-HSC-557062-18/19	161,591	
93.838	Lung Diseases Research	Pass-through	Tulane University Total		161,591	
93.838	Lung Diseases Research	Pass-through	University Of Chicago	SUB FP063488-02-B (HL136991)	12,790	
93.838	Lung Diseases Research	Pass-through	University Of Chicago Total		12,790	
93.838	Lung Diseases Research	Pass-through	University Of Colorado Denver	FY20.032.002	50,011	
93.838	Lung Diseases Research	Pass-through	University Of Colorado Denver Total		50,011	
93.838	Lung Diseases Research	Pass-through	University Of Illinois At Urbana-Champaign	79406	(3,339)	
93.838	Lung Diseases Research	Pass-through	University Of Illinois At Urbana-Champaign Total		(3,339)	
93.838	Lung Diseases Research	Pass-through	University Of Michigan	3004355200	298,003	
93.838	Lung Diseases Research	Pass-through	University Of Michigan	3004647871	109,716	
93.838	Lung Diseases Research	Pass-through	University Of Michigan Total		407,719	
93.838	Lung Diseases Research	Pass-through	University Of Minnesota	A005956202	15,763	
93.838	Lung Diseases Research	Pass-through	University Of Minnesota Total		15,763	
93.838	Lung Diseases Research	Pass-through	University Of North Carolina At Chapel Hill	5113231	315,802	
93.838	Lung Diseases Research	Pass-through	University Of North Carolina At Chapel Hill	5114474-H3UCSFAD&P	491	
93.838	Lung Diseases Research	Pass-through	University Of North Carolina At Chapel Hill	U24HL138998	1,920	
93.838	Lung Diseases Research	Pass-through	University Of North Carolina At Chapel Hill Total		318,214	
93.838	Lung Diseases Research	Pass-through	University Of North Carolina System	5111458	45,805	
93.838	Lung Diseases Research	Pass-through	University Of North Carolina System Total		45,805	
93.838	Lung Diseases Research	Pass-through	University Of Pennsylvania	565138	68,155	
93.838	Lung Diseases Research	Pass-through	University Of Pennsylvania	571558	25,250	
93.838	Lung Diseases Research	Pass-through	University Of Pennsylvania	572978	29,645	
93.838	Lung Diseases Research	Pass-through	University Of Pennsylvania	574381	144,324	
93.838	Lung Diseases Research	Pass-through	University Of Pennsylvania	577454	124,216	
93.838	Lung Diseases Research	Pass-through	University Of Pennsylvania	RIS#38154	2,729	
93.838	Lung Diseases Research	Pass-through	University Of Pennsylvania	UG3HL141736	9,628	
93.838	Lung Diseases Research	Pass-through	University Of Pennsylvania Total		403,947	
93.838	Lung Diseases Research	Pass-through	University Of Pittsburgh	0059236 (130132-1)	2	
93.838	Lung Diseases Research	Pass-through	University Of Pittsburgh	A19-0879-001	27,480	
93.838	Lung Diseases Research	Pass-through	University Of Pittsburgh	U01HL128954	460	
93.838	Lung Diseases Research	Pass-through	University Of Pittsburgh Total		27,941	
93.838	Lung Diseases Research	Pass-through	University Of Washington	UWSC8540-4	69,187	
93.838	Lung Diseases Research	Pass-through	University Of Washington Total		69,187	
93.838	Lung Diseases Research	Pass-through	Vanderbilt University	58669	(4,433)	
93.838	Lung Diseases Research	Pass-through	Vanderbilt University Total		(4,433)	
93.838	Lung Diseases Research	Pass-through	Vanderbilt University Medical Center	VUMC 44299-4	34,097	
93.838	Lung Diseases Research	Pass-through	Vanderbilt University Medical Center	VUMC 44301	163,154	
93.838	Lung Diseases Research	Pass-through	Vanderbilt University Medical Center Total		197,251	
93.838	Lung Diseases Research	Pass-through	University Of Colorado System	FY15.369.005	23,273	
93.838	Lung Diseases Research	Pass-through	University Of Colorado System Total		23,273	
93.838	Lung Diseases Research Total				45,753,478	8,137,997
93.838	COVID-19 - Lung Diseases Research	Direct	National Institutes of Health (NIH)	Various	1,518	
93.838	COVID-19 - Lung Diseases Research	Direct	National Institutes of Health (NIH) Total		1,518	
93.838	COVID-19 - Lung Diseases Research Total				1,518	
93.839	Blood Diseases And Resources Research	Direct	National Institutes of Health (NIH)	Various	13,588,027	1,358,430
93.839	Blood Diseases And Resources Research	Direct	National Institutes of Health (NIH) Total		13,588,027	1,358,430
93.839	Blood Diseases And Resources Research	Pass-through	Ann & Robert H. Lurie Children's Hospital Of Chicago	901516-UCL-CYC3	89,748	
93.839	Blood Diseases And Resources Research	Pass-through	Ann & Robert H. Lurie Children's Hospital Of Chicago Total		89,748	
93.839	Blood Diseases And Resources Research	Pass-through	Children's Hospital And Research Center Foundation	8.3	63,569	
93.839	Blood Diseases And Resources Research	Pass-through	Children's Hospital And Research Center Foundation	127909	75,591	
93.839	Blood Diseases And Resources Research	Pass-through	Children's Hospital And Research Center Foundation Total		139,160	
93.839	Blood Diseases And Resources Research	Pass-through	Children's Hospital Los Angeles	57458	14	
93.839	Blood Diseases And Resources Research	Pass-through	Children's Hospital Los Angeles Total		14	
93.839	Blood Diseases And Resources Research	Pass-through	Cleveland Clinic Lerner College Of Medicine	1191-SUB	13,026	
93.839	Blood Diseases And Resources Research	Pass-through	Cleveland Clinic Lerner College Of Medicine Total		13,026	
93.839	Blood Diseases And Resources Research	Pass-through	Diagnologix LLC	SUB 20180337 (HL126285)	534	
93.839	Blood Diseases And Resources Research	Pass-through	Diagnologix LLC Total		534	
93.839	Blood Diseases And Resources Research	Pass-through	Emory University	SUB A19165(HL146147)	355,600	
93.839	Blood Diseases And Resources Research	Pass-through	Emory University Total		355,600	
93.839	Blood Diseases And Resources Research	Pass-through	Icahn School Of Medicine At Mount Sinai	SUB 0255-2931-4609(HL137219)	408,310	
93.839	Blood Diseases And Resources Research	Pass-through	Icahn School Of Medicine At Mount Sinai Total		408,310	
93.839	Blood Diseases And Resources Research	Pass-through	Johns Hopkins All Children's Hospital Inc	SUB ACRI 9-001 (HL139048)	2,167	
93.839	Blood Diseases And Resources Research	Pass-through	Johns Hopkins All Children's Hospital Inc Total		2,167	
93.839	Blood Diseases And Resources Research	Pass-through	Kaiser Permanente Division Of Research	209203-001	14,376	
93.839	Blood Diseases And Resources Research	Pass-through	Kaiser Permanente Division Of Research Total		14,376	
93.839	Blood Diseases And Resources Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	CLA-234667-03	230,328	
93.839	Blood Diseases And Resources Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research Total		230,328	
93.839	Blood Diseases And Resources Research	Pass-through	National Jewish Medical And Research Center	SUB 2020072608 (HL089897)	49,354	
93.839	Blood Diseases And Resources Research	Pass-through	National Jewish Medical And Research Center Total		49,354	
93.839	Blood Diseases And Resources Research	Pass-through	National Marrow Donor Program	1704	62	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.839	Blood Diseases And Resources Research	Pass-through	National Marrow Donor Program	895AG	(4,032)	
93.839	Blood Diseases And Resources Research	Pass-through	National Marrow Donor Program Total		(3,970)	
93.839	Blood Diseases And Resources Research	Pass-through	Ohio State University	60068859	44,653	
93.839	Blood Diseases And Resources Research	Pass-through	Ohio State University	896G3	105,751	
				SUB 60061829 (HL138116)	360,157	
93.839	Blood Diseases And Resources Research	Pass-through	Ohio State University Total		\$10,561	
93.839	Blood Diseases And Resources Research	Pass-through	Pennsylvania State University	B2058	965	
93.839	Blood Diseases And Resources Research	Pass-through	Pennsylvania State University Total		965	
93.839	Blood Diseases And Resources Research	Pass-through	Proteogenomics Research Institute For Systems Medicine	8718D	129	
93.839	Blood Diseases And Resources Research	Pass-through	Proteogenomics Research Institute For Systems Medicine Total		129	
93.839	Blood Diseases And Resources Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute	874DB	200,249	
93.839	Blood Diseases And Resources Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute Total		200,249	
93.839	Blood Diseases And Resources Research	Pass-through	The Scripps Research Institute	86254	(716)	
93.839	Blood Diseases And Resources Research	Pass-through	The Scripps Research Institute Total		(716)	
93.839	Blood Diseases And Resources Research	Pass-through	The University Of Alabama At Birmingham	000524452-SC015	10,122	
93.839	Blood Diseases And Resources Research	Pass-through	The University Of Alabama At Birmingham Total		10,122	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Iowa	S00823-01	97,968	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Iowa Total		97,968	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Maryland	B4165	(19,115)	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Maryland Total		(19,115)	
				SUB SPC-000840 (HL136291)	77,465	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Miami Total		77,465	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Minnesota	P005741601-CYC1	98,330	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Minnesota Total		98,330	
93.839	Blood Diseases And Resources Research	Pass-through	University Of North Carolina At Chapel Hill	A20-0828-001	19,184	
93.839	Blood Diseases And Resources Research	Pass-through	University Of North Carolina At Chapel Hill Total		19,184	
				SUB 5114474-H3UCSDHILL (HL1389)	174,320	
93.839	Blood Diseases And Resources Research	Pass-through	University Of North Carolina System Total		174,320	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Pennsylvania	574541	(126)	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Pennsylvania	B4618	(24,904)	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Pennsylvania Total		(25,030)	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Pittsburgh	0054669 (131801-1)	3,600	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Pittsburgh	AWD00000392 (132911-6)	9,994	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Pittsburgh Total		13,594	
				SUB 30768 SUB UCSD1(HL110955)	6,104	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Vermont Total		6,104	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Washington	UWSC8734	327,861	
93.839	Blood Diseases And Resources Research	Pass-through	University Of Washington Total		327,861	
93.839	Blood Diseases And Resources Research	Pass-through	Veterans Medical Research Foundation Of San Diego	88905	277	
93.839	Blood Diseases And Resources Research	Pass-through	Veterans Medical Research Foundation Of San Diego	88970	311	
93.839	Blood Diseases And Resources Research	Pass-through	Veterans Medical Research Foundation Of San Diego	89B5F	21,695	
				VPA PARMER		
93.839	Blood Diseases And Resources Research	Pass-through	Veterans Medical Research Foundation Of San Diego	098290001(HL149511)	51,445	
93.839	Blood Diseases And Resources Research	Pass-through	Veterans Medical Research Foundation Of San Diego Total		73,727	
93.839	Blood Diseases And Resources Research	Pass-through	Washington University In St. Louis	B4856	22,467	
93.839	Blood Diseases And Resources Research	Pass-through	Washington University In St. Louis	WU-19-208	18,965	
93.839	Blood Diseases And Resources Research	Pass-through	Washington University In St. Louis Total		41,433	
93.839	Blood Diseases And Resources Research Total				16,493,824	1,358,430
93.840	Translation And Implementation Science Research For Heart, Lung, Blood Diseases, And Sleep Disorders	Direct	National Institutes of Health (NIH)	Various	2,065,242	335,437
93.840	Translation And Implementation Science Research For Heart, Lung, Blood Diseases, And Sleep Disorders	Direct	National Institutes of Health (NIH) Total		2,065,242	335,437
93.840	Translation And Implementation Science Research For Heart, Lung, Blood Diseases, And Sleep Disorders	Pass-through	Vitalant	10841UC131	226,946	
93.840	Translation And Implementation Science Research For Heart, Lung, Blood Diseases, And Sleep Disorders	Pass-through	Vitalant Total		226,946	
93.840	Translation And Implementation Science Research For Heart, Lung, Blood Diseases, And Sleep Disorders Total				2,292,188	335,437
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Direct	National Institutes of Health (NIH)	Various	37,676,265	1,543,181
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Direct	National Institutes of Health (NIH) Total		37,676,265	1,543,181
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Arizona State University/Tempe	SUB ASUB00000290 (AR074069)	2,952	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Arizona State University/Tempe Total		2,952	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Baylor College Of Medicine	7000000768	168,940	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Baylor College Of Medicine	7000001020	41,527	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Baylor College Of Medicine Total		210,467	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Boston University	4500001983	20,584	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Boston University	450002312	163,469	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Boston University	A9996	(203)	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Boston University Total		183,850	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Brigham And Women's Hospital	119967	140,713	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Brigham And Women's Hospital	20163020-03	10,328	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Brigham And Women's Hospital Total		151,042	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Brown University	00001093-CYC3	116,561	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Brown University Total		116,561	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	California Pacific Medical Center Research Institute	B2116	36,795	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	California Pacific Medical Center Research Institute Total		36,795	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Case Western Reserve University	58767	(633)	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Case Western Reserve University Total		(633)	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Children's Hospital Of Philadelphia	3210940919-04	3,974	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Children's Hospital Of Philadelphia Total		3,974	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Duke University	2832079	4,422	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Duke University	A030245	28,007	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Duke University	A030253	20,601	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Duke University Total		53,031	
				SUB 20190461(AR072546)	31,326	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Epigen Biosciences, Inc. Total		31,326	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Hebrew Seniorlife Inc.	90100	72,625	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Hebrew Seniorlife Inc. Total		72,625	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Johns Hopkins University	2003547464-1	45,523	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Johns Hopkins University Total		45,523	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Loma Linda Veterans Association For Research And Education	010413	8,542	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Loma Linda Veterans Association For Research And Education Total		8,542	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Magnamosis, Inc.	070117	81,562	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Magnamosis, Inc. Total		81,562	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Massachusetts General Hospital	233131	159,101	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Massachusetts General Hospital Total		159,101	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	THE-214784	250	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research Total		250	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Myogene Bio LLC	20194476	33,520	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Myogene Bio LLC Total		33,520	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Nationwide Children's Hospital	88176	(4,242)	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Nationwide Children's Hospital Total		(4,242)	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	New York University	19-A1-00-1000432	178,760	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	New York University Total		178,760	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Northwell Health Inc	500678UCSF	242,608	24,946
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Northwell Health Inc Total		242,608	24,946
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Northwestern University	60048026 UCI	14,043	

University of California
Schedule of Expenditures of Federal Awards

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Northwestern University Total		14,043	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Protein Foundry	A19-0737	43,204	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Protein Foundry Total		43,204	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute	SUB 58556-12524 (AR 064873)	2,280	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute Total		2,280	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Seattle Children's Hospital	11859SUB-CYC1	109,842	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Seattle Children's Hospital Total		109,842	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Stanford University	61793858-104565.1	173,510	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Stanford University	62231656-135310	28,296	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Stanford University Total		201,806	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Sutter West Bay Hospitals	89097	59	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Sutter West Bay Hospitals Total		59	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	The University Of Alabama (Tuscaloosa)	87197	(10,416)	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	The University Of Alabama (Tuscaloosa) Total		(10,416)	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	The University Of Alabama At Birmingham	000502603-004	35,944	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	The University Of Alabama At Birmingham Total		35,944	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Tufts Medical Center, Inc.	5012099-SERV	4,385	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Tufts Medical Center, Inc. Total		4,385	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Arizona	247411	20,558	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Arizona Total		20,558	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Colorado Denver	87B45	65,049	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Colorado Denver	FY17.873.001	181,997	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Colorado Denver	SUB 15.090.005 (AR067681)	90,802	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Colorado Denver Total		337,847	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Florida	SUB00001920	143,127	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Florida	SUB00001923	71,123	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Florida	UFDSP00012127	50,301	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Florida Total		264,550	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Illinois At Urbana-Champaign	17574	94,875	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Illinois At Urbana-Champaign	20200439	61,930	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Illinois At Urbana-Champaign Total		156,805	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Michigan	3004881771	117,848	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Michigan	SUBK00005856	52,356	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Michigan	SUBK00007880	53,079	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Michigan Total		223,282	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of South Carolina	19-3792-CYC1	38,175	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of South Carolina Total		38,175	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Southern California	102070633.1	187,608	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Southern California	102517834	84,013	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Southern California	87118183.2	5,107	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Southern California Total		276,728	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Tennessee Health Science Center	19-3736-UCLA	8,674	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Tennessee Health Science Center Total		8,674	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Wisconsin-Madison	SUB 630K464 (AR068373)	(1,168)	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	University Of Wisconsin-Madison Total		(1,168)	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Vanderbilt University Medical Center	VUMC 74006	13,351	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Vanderbilt University Medical Center Total		13,351	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	87A92	40,468	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	87C7G	24,685	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA CHANG (AR075825)	33,206	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA CHANG)	55,512	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA CHANG		
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	098400001(AR075825)	34,579	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA CHANG(AR073496)	31,365	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA D.		
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	CHANG(AR073496)	10,222	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA TERKELTAUB (AR060772)	28,056	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA		
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	TERKEL TAUB(AR075990)	17,274	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego Total		275,365	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Washington University In St. Louis	WU-19-181	29,376	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research	Pass-through	Washington University In St. Louis Total		29,376	
93.846	Arthritis, Musculoskeletal And Skin Diseases Research Total				41,328,570	1,568,127
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Direct	National Institutes Of Health (NIH)	Various	101,585,779	8,307,612
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Direct	National Institutes Of Health (NIH) Total		101,585,779	8,307,612
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	American Uroynecologic Society	SUB P006540202 (DK106786)	33,351	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	American Uroynecologic Society Total		33,351	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Arbor Research Collaborative For Health	ARB041916	231	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Arbor Research Collaborative For Health Total		231	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Augusta University	3083524	45,385	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Augusta University	30835-24	88,473	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Augusta University	30835-53	17,889	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Augusta University	30835-60	114,990	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Augusta University	30835-66	33,786	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Augusta University	32307-66	3,478	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Augusta University	80451	(3,832)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Augusta University	8729G	(361)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Augusta University	SUB 32307-32 (DK115255)	93,661	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Augusta University	U24DK097771	21,817	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Augusta University Total		415,286	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Beckman Research Institute Of The City Of Hope	53308-2003839-00000-CYC3	16,248	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Beckman Research Institute Of The City Of Hope Total		16,248	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Beth Israel Deaconess Medical Center	SUB 01029372(DK111529)	44,463	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Beth Israel Deaconess Medical Center Total		44,463	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Boston University	4500001991-003	10,820	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Boston University	SUB 4500002259(DK108612)	(87,843)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Boston University Total		(77,023)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Brentwood Biomedical Research Institute	20145153.4	42,012	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Brentwood Biomedical Research Institute Total		42,012	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Brigham And Women's Hospital	87A5B	287,704	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Brigham And Women's Hospital Total		287,704	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Broad Institute Inc.	874F9	3	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Broad Institute Inc.	SUB 5216286-5500001263(DK10555	(35,647)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Broad Institute Inc.		70,431	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Broad Institute Inc. Total		34,786	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	California Pacific Medical Center Research Institute	28000004128	421,067	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	California Pacific Medical Center Research Institute	280201011-S202	42,741	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	California Pacific Medical Center Research Institute Total		463,808	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	California State University, San Diego State University	SUB 5A0000666 (5112425)	4,854	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	California State University, San Diego State University Total		4,854	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Case Western Reserve University	89058	(10,880)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Case Western Reserve University	B9979	(105,441)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Case Western Reserve University	SUB RES508275 (DK094157)	223,524	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Case Western Reserve University	SUB RES512847 (DK114812)	18,910	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Case Western Reserve University	SUB RES513292		
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Case Western Reserve University Total	(DK094157)		(17,048)
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Cedars-Sinai Medical Center	0001405364-003	4,580	109,065
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Cedars-Sinai Medical Center Total		4,580	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Children's Hospital Los Angeles	SUB RGF011685-B		26,929
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Children's Hospital Los Angeles Total	(DK110793)		26,929
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	137610		378,874
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Children's Hospital Medical Center Of Cincinnati Total			378,874
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Children's Mercy Hospital, The	18-0018		17,910
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Children's Mercy Hospital, The	18-0020		11,271
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Children's Mercy Hospital, The	87C2A		22,990
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Children's Mercy Hospital, The	SUB 18-0019-CR		
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Children's Mercy Hospital, The	(DK066143)	2,237	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Children's Mercy Hospital, The Total		54,407	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	City Of Hope	010305		54,035
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	City Of Hope	51504.2000556.669309		264
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	City Of Hope	R01DK119590		17,237
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	City Of Hope	SUB		
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	City Of Hope	53234.2000556.669301(D		31,372
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	City Of Hope Total	K104		102,908
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Columbia University	1(GG015836-01)	186,745	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Columbia University	6(GG015009-01)	67,463	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Columbia University	88422		(147,540)
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Columbia University	89BC4		33,877
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Columbia University	89BD3		320,321
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Columbia University	SUB 1 (GG010427-05)		
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Columbia University	(DK061734)		43,974
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Columbia University	SUB 2 (GG010427-12)		
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Columbia University	(DK061734)		(39,861)
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Columbia University Total	DK061734		466,888
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Columbia University Medical Center	89BDG		2,165
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Columbia University Medical Center Total			2,165
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Emory University	87984		(18,477)
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Emory University	A244777		4,886
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Emory University Total			(13,591)
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Florida State University	R01948-CYC1		159,521
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Florida State University Total			159,521
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	George Washington University	S-DPP1819-JC18		127,753
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	George Washington University	SUB S-GRD1213-KR40		
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	George Washington University	(DK098246)	64,556	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	George Washington University Total			192,309
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Hennepin Healthcare System, Inc.	R01DK107269		19,308
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Hennepin Healthcare System, Inc. Total			19,308
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Holobione, Inc.	R44DK120181		73,633
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Holobione, Inc. Total			73,633
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-A941-4609		83,427
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-B221-4609		19,205
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Icahn School Of Medicine At Mount Sinai	58231		(3,073)
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Icahn School Of Medicine At Mount Sinai Total			99,560
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Indiana University	63452		463
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Indiana University	7945		38,607
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Indiana University	8017-UCLA		99,917
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Indiana University Total			138,987
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Intelligent Optical Systems, Inc.	IOS-3284-CYC1		151,467
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Intelligent Optical Systems, Inc. Total			151,467
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Johns Hopkins University	2002297514		311,734
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Johns Hopkins University	2003447892-2		21,424
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Johns Hopkins University	2003837592		15,360
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Johns Hopkins University Total			348,518
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Kaiser Foundation Hospitals	RNG200631-06		30,416
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Kaiser Foundation Hospitals Total			30,416
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Kaiser Permanente Division Of Research	RNG200381-UCSF		31,420
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Kaiser Permanente Division Of Research	RNG200591		627
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Kaiser Permanente Division Of Research	RNG200630-01		149,942
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Kaiser Permanente Division Of Research	RNG200631-03		378
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Kaiser Permanente Division Of Research	RNG200631-04		5,523
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Kaiser Permanente Division Of Research	RNG209783-UCSF-01		16,364
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Kaiser Permanente Division Of Research	RNG209804-01		241,589
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Kaiser Permanente Division Of Research Total			465,843
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	La Jolla Institute For Immunology	SUB 20108-44-342		360,019
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	La Jolla Institute For Immunology Total	(DK114457)		360,019
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Loyola University Of Chicago	81286		(421)
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Loyola University Of Chicago	879EF		323
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Loyola University Of Chicago	SUB 206882 (DK106898)		75,400
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Loyola University Of Chicago	SUB 208397 (DK111848)		170,620
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Loyola University Of Chicago Total			245,923
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Ludwig Institute For Cancer Research	BREN 242304-11-CYC1		18,313
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Ludwig Institute For Cancer Research	SUB 242001-05003B		
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Ludwig Institute For Cancer Research	(DK105541)		313,847
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Ludwig Institute For Cancer Research	SUB 2420012-05003A		
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Ludwig Institute For Cancer Research Total	(DK105541)		254,213
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Mcqill University	215686		90,032
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Mcqill University Total			90,032
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Medical College Of Wisconsin	201501396		156,487
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Medical College Of Wisconsin	R01DK107514		61,936
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Medical College Of Wisconsin Total			218,424
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Miriam Hospital, The	SUB 710-7147150		46,748
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Miriam Hospital, The Total	(DK117857)		46,748
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Northern California Institute For Research And Education, Inc	YUKL2177		30,549
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Northern California Institute For Research And Education, Inc	YUKL1941-098824		49,841
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Northern California Institute For Research And Education, Inc Total			80,390
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Northwestern University	6004286UCD		19,869
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Northwestern University	SUB 60046311 UCSD		
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Northwestern University	(DK092217)		44,498
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Northwestern University	SUB 60050287 UCSD		17,157
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Northwestern University Total	(DK117824)		81,523
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Oklahoma Medical Research Foundation	0232-08DCUCLA		22,502
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Oklahoma Medical Research Foundation Total			22,502
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Organovo, Inc.	8798G		15,071
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Organovo, Inc. Total			15,071
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Ripptide Bioscience, Inc.	AI9-0704		24,780
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Ripptide Bioscience, Inc. Total			24,780
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Sentia Medical Sciences, Inc.	2R44DK116362-02		95,135
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Sentia Medical Sciences, Inc.	57227		(1,067)
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Sentia Medical Sciences, Inc. Total			94,068
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Silicon Kidney LLC	SK 2019-01		312,496
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Silicon Kidney LLC	SK 2019-02		348,187
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Silicon Kidney LLC	SK 2019-03		19,489
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Silicon Kidney LLC	SK 2019-04		17,059
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Silicon Kidney LLC Total			697,231
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Sonovol, Inc.	87BG9		71,364

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
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(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Sonovol, Inc. Total		71,364	
				SUB 20183439 (DK109865)	2,599	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Spinal Singularity, Inc.			
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Spinal Singularity, Inc. Total		2,599	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Stanford University	61328829-116833.2	50,183	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Stanford University	61933130-131179	92,385	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Stanford University	61962502-131179	92,289	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Stanford University	62124448-124913	4,999	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Stanford University	62228278-121890	104,428	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Stanford University Total		344,283	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Syntir Health Technologies, LLC	SHT-208505-CYC4	(13,230)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Syntir Health Technologies, LLC Total		(13,230)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	The Scripps Research Institute	5-53816:1	160,555	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	The Scripps Research Institute	87A6G	193,853	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	The Scripps Research Institute	87BB9	52,895	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	The Scripps Research Institute	SUB 5-53376 (DK110162)	9,539	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	The Scripps Research Institute	SUB 5-53455 (DK112927)	110,756	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	The Scripps Research Institute Total		527,597	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	The University Of Alabama At Birmingham	000509533-001	253,655	164,494
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	The University Of Alabama At Birmingham Total		253,655	164,494
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Chicago	FP046970-03-E-CYC2	14,804	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Chicago	FP064994	111,240	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Chicago Total		126,044	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Cincinnati	009897-002	45,286	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Cincinnati Total		45,286	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Connecticut	57628	(15)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Connecticut Total		(15)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Florida	SUB00001487	54,039	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Florida	UFDFSP00011567	163,528	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Florida Total		217,567	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Hawaii At Manoa	KA1365	24,155	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Hawaii At Manoa	KA1467	13,805	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Hawaii At Manoa	KA1470	88,535	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Hawaii At Manoa Total		126,495	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Iowa	87ADF	17,379	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Iowa	SUB028-01	19,943	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Iowa	W000936998	8,210	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Iowa Total		45,532	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Michigan	3004967201	2,234	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Michigan	SUBK00004867	1,878	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Michigan Total		4,113	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Minnesota	N005115009	9,302	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Minnesota	SUB P006540201 (DK106786)	(30,330)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Minnesota Total		(21,028)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of North Carolina At Chapel Hill	5113544	26,775	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of North Carolina At Chapel Hill	80488	(7,738)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of North Carolina At Chapel Hill Total		19,036	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Pennsylvania	572042	1,708	1,708
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Pennsylvania	SUB 576045(DK116005)	18,411	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Pennsylvania Total		20,119	1,708
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Pittsburgh	0060589 (131753-1)	6,714	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Pittsburgh	59749	(150)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Pittsburgh	SUB 0054687 ((129571-1)) (DK09)	98,438	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Pittsburgh Total		105,001	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of South Florida	188359	17,705	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of South Florida	20120427	217	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of South Florida	8792C	12,158	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of South Florida	UC4DK112243	5,466	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of South Florida Total		35,546	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Southern California	108190240	47,196	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Southern California	119256471	3,972	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Southern California	122369591	18,659	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Southern California	58761	(1,134)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Southern California Total		68,693	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Tennessee Health Science Center	20-0299-UCSF	17,011	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Tennessee Health Science Center Total		17,011	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Texas-Southwestern Medical Center At Dallas	161111-REGISTRY	25,417	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Texas-Southwestern Medical Center At Dallas Total		25,417	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Virginia	GB10510 POW2141121.02	32,536	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Virginia Total		32,536	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Washington	RFA-KMP-OP-19-003	17,137	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Washington	SUB 698055 (DK082325)	20,268	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Washington	UNWS102642	253,200	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Washington	UNWS2894	14,372	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Washington Total		304,963	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Wisconsin-Madison	884K553	91,929	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Wisconsin-Madison	SUB 785K610(DK088925)	357,008	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Wisconsin-Madison Total		448,937	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Vanderbilt University	UNIV 58354	126,717	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Vanderbilt University Total		126,717	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Veterans Medical Research Foundation Of San Diego	096070001-321430	269,424	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Veterans Medical Research Foundation Of San Diego	89118	566	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA AFARI (322353)112579741 (D	26,523	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA HENRY(DK098246)	64,799	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA IX (DK115110)	39,253	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA IX 310177 DK098234-01A1	743	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA IX 322721(DK097093)	1,553	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA IX 32352(DK098234)	35,822	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA IX 5013860(DK102730)	8,436	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA RIVERA-NIEVES (322351) 098	53,255	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA TYLER (322414) 098230001 (44,992	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA VALLON (DK106102)	45,541	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Veterans Medical Research Foundation Of San Diego Total		590,906	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Virginia Commonwealth University	8728F	213,645	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Virginia Commonwealth University	PD302920-SC104226	6,517	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Virginia Commonwealth University Total		220,161	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Wake Forest University	100710-118240	13,436	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Wake Forest University Total		13,436	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Washington University In St. Louis	SUB WU-15-285 (DK078669)	2	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Washington University In St. Louis	SUB WU-20-71 (DK115502)	32,905	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Washington University In St. Louis Total		32,905	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Yale University	GK000066 (CON-80000330)-CYC1	(465)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	Yale University Total		(465)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Colorado System	FY15.018.001	31,787	

University of California
Schedule of Expenditures of Federal Awards

*For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)*

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Colorado System Total		31,787	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	The University Of Alabama System	88831	(3,194)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	The University Of Alabama System Total		(3,194)	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Tennessee System	A18-1009-S001	37,202	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research	Pass-through	University Of Tennessee System Total		37,202	
93.847	Diabetes, Digestive, And Kidney Diseases Extramural Research Total				112,558,345	8,473,814
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Children's Mercy Hospital, The	83038	5,251	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Children's Mercy Hospital, The Total		5,251	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Medical College Of Wisconsin	SUB NONE (DK088831)	5,492	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Medical College Of Wisconsin Total		5,492	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Texas Biomedical Research Institute (Texas Biomed)	SUB 16-04613-401 (DK110096)	40,303	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Texas Biomedical Research Institute (Texas Biomed) Total		40,303	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	The Scripps Research Institute	SUB TSRI-20162946-GODINO(DK112	64,944	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	The Scripps Research Institute Total		64,944	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	The University Of Alabama At Birmingham	SUB 000518751-SP001-001(DK0793	576,246	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	The University Of Alabama At Birmingham Total		576,246	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	University Of Minnesota	87AB1	72,112	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	University Of Minnesota Total		72,112	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA (IX) (DK119528)	30,315	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA AFARI 316834 (DK106415-01	62,154	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA GODINO (DK106415)	8,206	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA GOLSHAN 317249 (DK106415	30,240	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA IX (321959) SHL2118-06 (DK	6,780	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA IX (321960) (DK111510)	16,757	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA IX (DK102730)	26,664	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA KHANG 322537 (DK112042)	169,335	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA LANG 316833 (1 R01 DK10641	8,096	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA RIVERA-NIEVES (DK118927)	42,301	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA THOMSON (DK112042)	62,123	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA VALLON (DK112042)	22,062	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA VALLON 319597 (DK112042)	79,766	
93.849	Kidney Diseases, Urology And Hematology Research	Pass-through	Veterans Medical Research Foundation Of San Diego Total		564,799	
93.849	Kidney Diseases, Urology And Hematology Research Total				1,329,148	
93.850	Improving Epilepsy Programs, Services, And Outcomes Through National Partnerships	Pass-through	Case Western Reserve University	RES512886	154,527	
93.850	Improving Epilepsy Programs, Services, And Outcomes Through National Partnerships	Pass-through	Case Western Reserve University Total		154,527	
93.850	Improving Epilepsy Programs, Services, And Outcomes Through National Partnerships Total				154,527	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Direct	National Institutes Of Health (NIH)	Various	156,837,012	17,370,827
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Direct	National Institutes Of Health (NIH) Total		156,837,012	17,370,827
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Advanced Mri Technologies, LLC	R44NS084788-UCSF	154,040	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Advanced Mri Technologies, LLC Total		154,040	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Albert Einstein College Of Medicine	311172	187,235	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Albert Einstein College Of Medicine	R01NS104911	328,496	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Albert Einstein College Of Medicine	SUB 311235 (NS104911)	135,729	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Albert Einstein College Of Medicine Total		651,460	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	American Life Science Pharmaceuticals, Inc.	SUB 20183456(NS110147)	167,132	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	American Life Science Pharmaceuticals, Inc. Total		167,132	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Aspire Bioscience, LLC	AB-210334-CYC1	95,230	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Aspire Bioscience, LLC Total		95,230	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Baylor College Of Medicine	7000000792.1	152,098	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Baylor College Of Medicine	89C39	4,558	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Baylor College Of Medicine Total		156,656	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Bioaxone Biosciences, Inc.	BB-5572970	319,513	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Bioaxone Biosciences, Inc. Total		319,513	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Boston University	87AB2	(1,028)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Boston University	89BG8	120,910	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Boston University	A16-0139-007	48,537	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Boston University Total		168,419	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Brainbox Solutions Inc.	20185109	47,246	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Brainbox Solutions Inc. Total		47,246	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Brigham And Women's Hospital	121803	110,103	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Brigham And Women's Hospital	SUB 121804 (NS112107)	135,687	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Brigham And Women's Hospital Total		245,790	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	California Institute Of Technology	SUB S384962(NS094403B)	90,878	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	California Institute Of Technology Total		90,878	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Case Western Reserve University	RES513489	(5,090)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Case Western Reserve University Total		(5,090)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cayetano Heredia University	80986	(149)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cayetano Heredia University Total		(149)	

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93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cedars-Sinai Medical Center	UG3NS 105703	55,162	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cedars-Sinai Medical Center Total		55,162	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Central Michigan University	87BA8	174,185	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Central Michigan University Total		174,185	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Children's Hospital Medical Center Of Cincinnati	58865	(56)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Children's Hospital Medical Center Of Cincinnati	8773C	4,769	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Children's Hospital Medical Center Of Cincinnati Total		4,713	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Children's Research Institute	SUB 3000396	3,708	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Children's Research Institute Total		3,708	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cold Spring Harbor Laboratory	64100112	14,171	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cold Spring Harbor Laboratory Total		14,171	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Columbia University	1(GG012976-05)	63,985	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Columbia University	1(GG013057-08)	328,308	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Columbia University	1(GG013057-09)	540,520	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Columbia University	2(GG010432-01)	4,055	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Columbia University	2(GG013057-04)	281,134	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Columbia University	3(GG012011-03);2	28,923	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Columbia University	3(GG013057-16)	361,814	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Columbia University	SUB 17(GG014929) (NS078059)	18,482	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Columbia University Total		1,627,220	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cornell University	16081320	21,646	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cornell University	183412	53,780	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cornell University	190630-02	102,779	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cornell University	190630-03	181,885	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cornell University	190630-04	285,715	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cornell University	190630-05	315,515	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cornell University	194126-03	250,554	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Cornell University Total		1,211,873	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Dana-Farber Cancer Institute	1278001	154,551	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Dana-Farber Cancer Institute Total		154,551	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Dartmouth College	87AEC	16,438	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Dartmouth College Total		16,438	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Diagnostic Consulting Network	SUB NONE (NS076359)	14,916	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Diagnostic Consulting Network Total		14,916	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Drexel University	232674	62,865	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Drexel University Total		62,865	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Duke University	87A5E	59,747	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Duke University	SUB 2034905 (NS092521)	301,032	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Duke University Total		360,779	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Emory University	SUB A275623 (NS116025)	136,820	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Emory University	T423135	23,988	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Emory University Total		160,808	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Gladstone Institutes	B9435	(23,910)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Gladstone Institutes	SUB R2432-A (NS097976)	75,826	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Gladstone Institutes Total		51,916	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Harvard University	153407.5111711.0109	321,290	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Harvard University Total		321,290	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Health Research, Inc.	5977-01-CYC1	29,096	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Health Research, Inc.	5983-01	86,843	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Health Research, Inc. Total		115,939	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Huntington Medical Research Institutes	2755-19-01SB	18,974	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Huntington Medical Research Institutes Total		18,974	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-0642-4609.5	123,049	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-C191-4609.1	92,321	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Icahn School Of Medicine At Mount Sinai Total		215,370	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Iowa State University	4301738A	147,164	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Iowa State University Total		147,164	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Kennedy Krieger Institute	20190402	127,415	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Kennedy Krieger Institute	5K12NS098482-02-CYC1	170,313	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Kennedy Krieger Institute	A133285	13,038	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Kennedy Krieger Institute Total		310,767	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Louisiana State University And Agricultural And Mechanical College	R21NS109668	39,942	

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93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Louisiana State University And Agricultural And Mechanical College		39,942	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Ludwig Institute For Cancer Research	233310-05012-03	13,156	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Ludwig Institute For Cancer Research	SUB 240630-05003 (NS027036)	115,031	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Ludwig Institute For Cancer Research Total		128,187	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Massachusetts General Hospital	201604272	30,001	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Massachusetts General Hospital	226396	15,080	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Massachusetts General Hospital	234362	9,783	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Massachusetts General Hospital	235400	58,423	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Massachusetts General Hospital	63681	(3,002)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Massachusetts General Hospital	A18-0600-002	188,555	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Massachusetts General Hospital	NN107	165,119	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Massachusetts General Hospital	NS095388-CYC1	223	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Massachusetts General Hospital	SUB 235400(NS115388)	45,655	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Massachusetts General Hospital Total		509,837	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Massachusetts Institute Of Technology	5710003857	143,529	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Massachusetts Institute Of Technology Total		143,529	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	THE-224063-02	117	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	UH2NS095495	39,288	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research Total		39,405	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Methodist Hospital Group	AGMT00003059	58,003	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Methodist Hospital Group Total		58,003	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Methodist Hospital Research Institute, The	AGMT00000770	1,555	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Methodist Hospital Research Institute, The Total		1,555	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Morehouse School Of Medicine	008650	25,247	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Morehouse School Of Medicine Total		25,247	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Neokera, LLC	NK-209319-CYC1	98,590	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Neokera, LLC Total		98,590	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Neural Analytics	5R44NS092209-03	163,932	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Neural Analytics Total		163,932	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Neuralstem Inc.	SUB 20172379 (R44NS103703)	107,370	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Neuralstem Inc. Total		107,370	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Neurological Disorders & Stroke, National Institute Of	9817SC-04	131,651	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Neurological Disorders & Stroke, National Institute Of Total		131,651	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	New York University School Of Medicine	18-A0-00-1000533-01	82,190	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	New York University School Of Medicine Total		82,190	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Northwestern University	60041563 UCI	143,792	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Northwestern University	78735	8,830	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Northwestern University	89281	24,661	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Northwestern University	B3949	619	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Northwestern University Total		177,903	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Princeton University	U19NS104648	276,804	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Princeton University Total		276,804	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Raft Pharmaceuticals LLC	SUB 20192484 (NS113705)	41,495	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Raft Pharmaceuticals LLC Total		41,495	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Recombinetics, Inc	1R43NS097090-01A1	(2,925)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Recombinetics, Inc Total		(2,925)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Rio Pharmaceuticals, Inc	A132533	70,294	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Rio Pharmaceuticals, Inc Total		70,294	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Rush University Medical Center	15060903-SUB03	95,847	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Rush University Medical Center Total		95,847	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Salk Institute For Biological Studies	SUB P1015431 (NS104368)	263,988	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Salk Institute For Biological Studies Total		263,988	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Sanford Burnham Prebys Medical Discovery Institute	87C2D	202,502	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Sanford Burnham Prebys Medical Discovery Institute Total		202,502	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Seacoast Science, Inc.	16-1004SC-CYC3	29,857	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Seacoast Science, Inc. Total		29,857	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Second Sight Medical Products, Inc	20190428	89,734	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Second Sight Medical Products, Inc Total		89,734	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Sepulveda Research Corporation	59407	(2,405)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Sepulveda Research Corporation Total		(2,405)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	St. Joseph's Hospital And Medical Center	80844	(142,570)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	St. Joseph's Hospital And Medical Center Total		(142,570)	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Stanford University	61288309-120633	3,950	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Stanford University	61311381-124387	117,066	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Stanford University	61977990-123737	90,404	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Stanford University	61987623-135726	405,952	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Stanford University	A18-0043-002	27,795	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Stanford University	A18-0238-002	104,801	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Stanford University Total		749,968	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Temple University	SUB 261426-UCSD (NS105961)	202,279	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Temple University Total		202,279	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	The University Of Alabama (Tuscaloosa)	000508025-001:A02	(13,329)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	The University Of Alabama (Tuscaloosa) Total		(13,329)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	The University Of Alabama At Birmingham	000510297-005:A03	30,710	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	The University Of Alabama At Birmingham Total		30,710	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Arizona	R01NS076856	59,455	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Arizona Total		59,455	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Chicago	FP060364	122,580	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Chicago	FP066261-G SUB FP060216-02(NS094831)	89,078	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Chicago		39,243	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Chicago Total		250,901	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Cincinnati	010785-135728 HEMPHILL	789	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Cincinnati	010785-135728 MEISEL	2,545	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Cincinnati	011266-127986	1,729	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Cincinnati	011337-135728	3,091	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Cincinnati	011414-ADM-CRAMER 011414-ADM-CRAMER-CYC6	53,676 (482)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Cincinnati	011414-ADM-SAVER.5	13,392	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Cincinnati	87C25	13,498	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Cincinnati	D2536 SUB 010785-135727 (NS095869)	8,105	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Cincinnati	SUB 011266-135727 (NS100699)	10,484	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Cincinnati	SUB 011337-135727 (NS099043)	1,812	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Cincinnati	SUB 012044-135727 (NS102289)	2,654	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Cincinnati		73	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Cincinnati Total		111,366	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Iowa	88C17	209	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Iowa	S01045-01	27,922	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Iowa	W000873022	66,771	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Iowa Total		94,902	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Kentucky/University Of Kentucky Research Foundation	81466	361	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Kentucky/University Of Kentucky Research Foundation	87618 SUB 20195189 (3210000952-19-27 SUB 3210000405-17-136 (NS09719	(10,116) 45,723	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Kentucky/University Of Kentucky Research Foundation		137,950	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Kentucky/University Of Kentucky Research Foundation Total		173,919	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Massachusetts Amherst	87AGA	184,457	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Massachusetts Amherst Total		184,457	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Miami	SPC-000223-6	68,983	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Miami	SPC-000282	16,167	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Miami	SPC-000308	45,972	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Miami	SUB 664008 (NS092091)	29,273	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Miami Total		160,394	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Michigan	3004167516	42,081	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Michigan	3004730634	132,849	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Michigan	SUBK00004112-ESETT	32,181	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Michigan	SUBK00007560	5,832	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Michigan	SUBK00008388 SUBK00008967 (NS100659)	446,421 19,957	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Michigan	SUBK00009896	44,345	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Michigan	U01NS099046	19,409	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Michigan Total		743,076	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Montana	PG16-64514-03	209,894	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Montana Total		209,894	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Nebraska At Kearney	17-022-01	25,013	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Nebraska At Kearney Total		25,013	

**University of California
Schedule of Expenditures of Federal Awards**

*For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)*

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of North Carolina At Chapel Hill	5108837	25,363	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of North Carolina At Chapel Hill Total		25,363	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Pennsylvania	572024	62,613	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Pennsylvania	578251	12,026	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Pennsylvania	578474	6,942	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Pennsylvania Total		81,582	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Pittsburgh	CNVA00061536 (131230-1)	60,806	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Pittsburgh Total		60,806	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Rochester	417388	364,083	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Rochester	417610 / URFAO: GR510747: 2	7,643	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Rochester	U01 NS061799	6,332	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Rochester Total		378,058	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Southern California	131551238	32,378	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Southern California	84718050.11	986,980	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Southern California	85744618	121,229	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Southern California Total		1,140,587	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Texas Health Science Center At Houston	0012260C	27,818	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Texas Health Science Center At Houston	0013748A.01	16,641	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Texas Health Science Center At Houston	0014556G	203,271	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Texas Health Science Center At Houston Total		247,730	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Texas Health Science Center At San Antonio	164684/164682	4,826	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Texas Health Science Center At San Antonio	166221/165999	63,247	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Texas Health Science Center At San Antonio	R01NS017950	77,213	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Texas Health Science Center At San Antonio	UH3NS100605	4,369	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Texas Health Science Center At San Antonio Total		149,655	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Texas-Austin	UTA17-000609	879,714	289,796
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Texas-Austin Total		879,714	289,796
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Utah	10051954-01	52,802	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Utah Total		52,802	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Vermont	32808SUB52599-CYC2	254,237	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Vermont Total		254,237	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Virginia	21NS106592	20,743	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Virginia	GB10094-147357	38,732	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Virginia	GB10094154461	25,944	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Virginia Total		85,419	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Washington	88783	6,939	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Washington	UWSC10779	255,348	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Washington	UWSC11120	72,828	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Washington Total		335,115	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Wisconsin-Madison	879CA	1,374	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Wisconsin-Madison	87AZ7	154,653	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Wisconsin-Madison	R01NS110719	89,604	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Wisconsin-Madison	SUB 578K325 (NS083514)	3,433	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Wisconsin-Madison	SUB 847K836 (NS109486)	93,447	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	University Of Wisconsin-Madison Total		342,511	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Veterans Medical Research Foundation Of San Diego	87C88	23,910	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA SCHIEHSER (NS109852)	38,008	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Veterans Medical Research Foundation Of San Diego Total		61,918	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Winsantor Inc	SUB NONE (NS105177)	(13,514)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Winsantor Inc Total		(13,514)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Yeshiva University	310699	165,831	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Yeshiva University Total		165,831	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Louisiana State University System	R01NS113955	1,250	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	Louisiana State University System Total		1,250	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	The Children's Hospital Corp.	GENFD0001201721.2	22,583	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	The Children's Hospital Corp.	GENFD0001415915.9	2,462	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	The Children's Hospital Corp.	GENFD0001523157	5,602	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	The Children's Hospital Corp.	GENFD0001526727.8	(19,700)	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	The Children's Hospital Corp.	GENFD0001526755.6	23,158	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	The Children's Hospital Corp.	GENFD0001563296.09	66,870	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders	Pass-through	The Children's Hospital Corp. Total		100,976	
93.853	Extramural Research Programs In The Neurosciences And Neurological Disorders Total				173,933,951	17,660,623

**University of California
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*For the Fiscal Year Ended
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Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.855	Allergy And Infectious Diseases Research	Direct	National Institutes of Health (NIH)	92445C-3	15,017	
93.855	Allergy And Infectious Diseases Research	Direct	National Institutes of Health (NIH)	D4451	(27,818)	
93.855	Allergy And Infectious Diseases Research	Direct	National Institutes of Health (NIH)	Various	275,215,623	79,523,408
93.855	Allergy And Infectious Diseases Research	Direct	National Institutes of Health (NIH) Total		275,202,822	79,523,408
93.855	Allergy And Infectious Diseases Research	Pass-through	Akonni Biosystems	87ADC	109,093	
93.855	Allergy And Infectious Diseases Research	Pass-through	Akonni Biosystems Total		109,093	
93.855	Allergy And Infectious Diseases Research	Pass-through	Albert Einstein College Of Medicine	010009	6,740	
93.855	Allergy And Infectious Diseases Research	Pass-through	Albert Einstein College Of Medicine Total		6,740	
93.855	Allergy And Infectious Diseases Research	Pass-through	American Oncologic Hospital	SUB CORE B (AI102853)	166,247	
93.855	Allergy And Infectious Diseases Research	Pass-through	American Oncologic Hospital	SUB PROJECT 4 (AI102853)	385,479	
93.855	Allergy And Infectious Diseases Research	Pass-through	American Oncologic Hospital Total		551,726	
93.855	Allergy And Infectious Diseases Research	Pass-through	Aptitude Medical	1R43AI142977-01A1	35,819	
93.855	Allergy And Infectious Diseases Research	Pass-through	Aptitude Medical Total		35,819	
93.855	Allergy And Infectious Diseases Research	Pass-through	Arizona State University/Tempe	16-964-03	10,599	
93.855	Allergy And Infectious Diseases Research	Pass-through	Arizona State University/Tempe Total		10,599	
93.855	Allergy And Infectious Diseases Research	Pass-through	Baylor College Of Medicine	7000000718	158,172	
93.855	Allergy And Infectious Diseases Research	Pass-through	Baylor College Of Medicine Total		158,172	
93.855	Allergy And Infectious Diseases Research	Pass-through	Benaroya Research Institute At Virginia Mason	FY141TN098	40,720	
93.855	Allergy And Infectious Diseases Research	Pass-through	Benaroya Research Institute At Virginia Mason	FY151TN160	165,063	
93.855	Allergy And Infectious Diseases Research	Pass-through	Benaroya Research Institute At Virginia Mason	FY161TN182	35,683	
93.855	Allergy And Infectious Diseases Research	Pass-through	Benaroya Research Institute At Virginia Mason	FY161TN186	2,751	
93.855	Allergy And Infectious Diseases Research	Pass-through	Benaroya Research Institute At Virginia Mason	FY181TN257	6,008,698	
93.855	Allergy And Infectious Diseases Research	Pass-through	Benaroya Research Institute At Virginia Mason	FY181TN104	152,744	
93.855	Allergy And Infectious Diseases Research	Pass-through	Benaroya Research Institute At Virginia Mason	FY181TN112	11,386	
93.855	Allergy And Infectious Diseases Research	Pass-through	Benaroya Research Institute At Virginia Mason	FY191TN199-03	24,309	
93.855	Allergy And Infectious Diseases Research	Pass-through	Benaroya Research Institute At Virginia Mason	FY191TN258	7,580	
93.855	Allergy And Infectious Diseases Research	Pass-through	Benaroya Research Institute At Virginia Mason	FY191TN332	72,985	
93.855	Allergy And Infectious Diseases Research	Pass-through	Benaroya Research Institute At Virginia Mason Total		6,521,917	
93.855	Allergy And Infectious Diseases Research	Pass-through	Boston University	4500002391	(13,300)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Boston University	4500002399-001	(582)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Boston University	4500003416	4,694	
93.855	Allergy And Infectious Diseases Research	Pass-through	Boston University Total		(9,188)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Brigham And Women's Hospital	117056	47,230	
93.855	Allergy And Infectious Diseases Research	Pass-through	Brigham And Women's Hospital	57586	(899)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Brigham And Women's Hospital	58492	(1,328)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Brigham And Women's Hospital	877DD	666	
93.855	Allergy And Infectious Diseases Research	Pass-through	Brigham And Women's Hospital	88202	(4,765)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Brigham And Women's Hospital	89366	31,894	
93.855	Allergy And Infectious Diseases Research	Pass-through	Brigham And Women's Hospital Total		72,797	
93.855	Allergy And Infectious Diseases Research	Pass-through	Brigham Young University	A15-0216-005	200,260	
93.855	Allergy And Infectious Diseases Research	Pass-through	Brigham Young University Total		200,260	
93.855	Allergy And Infectious Diseases Research	Pass-through	Buck Institute For Research On Aging	SA14003-UC	9,322	
93.855	Allergy And Infectious Diseases Research	Pass-through	Buck Institute For Research On Aging Total		9,322	
93.855	Allergy And Infectious Diseases Research	Pass-through	California Institute Of Technology	010936	83,243	
93.855	Allergy And Infectious Diseases Research	Pass-through	California Institute Of Technology Total		83,243	
93.855	Allergy And Infectious Diseases Research	Pass-through	California State University, San Francisco State University	SUB 519-0017 (A1146719)	29,418	
93.855	Allergy And Infectious Diseases Research	Pass-through	California State University, San Francisco State University Total		29,418	
93.855	Allergy And Infectious Diseases Research	Pass-through	Case Western Reserve University	RE5512472	108,344	
93.855	Allergy And Infectious Diseases Research	Pass-through	Case Western Reserve University	RE5512474	3,109	
93.855	Allergy And Infectious Diseases Research	Pass-through	Case Western Reserve University Total		111,453	
93.855	Allergy And Infectious Diseases Research	Pass-through	Cedars-Sinai Medical Center	303347-00001	21,335	
93.855	Allergy And Infectious Diseases Research	Pass-through	Cedars-Sinai Medical Center	SUB 0001522646 (A127406)	200,656	
93.855	Allergy And Infectious Diseases Research	Pass-through	Cedars-Sinai Medical Center	SUB 0001602163 (A1141401)	122,847	
93.855	Allergy And Infectious Diseases Research	Pass-through	Cedars-Sinai Medical Center Total		344,838	
93.855	Allergy And Infectious Diseases Research	Pass-through	Child Family Health International	SUB HPTN-MGA-REGUC-1 (A1069536)	225,917	225,917
93.855	Allergy And Infectious Diseases Research	Pass-through	Child Family Health International Total		225,917	225,917
93.855	Allergy And Infectious Diseases Research	Pass-through	Children's Hospital Los Angeles	RGF010603-D	17,483	
93.855	Allergy And Infectious Diseases Research	Pass-through	Children's Hospital Los Angeles Total		17,483	
93.855	Allergy And Infectious Diseases Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	139469-1	(378)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	309135	22,513	
93.855	Allergy And Infectious Diseases Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	SUB 135407 (A117804)	74,356	
93.855	Allergy And Infectious Diseases Research	Pass-through	Children's Hospital Medical Center Of Cincinnati Total		96,490	
93.855	Allergy And Infectious Diseases Research	Pass-through	Colorado State University	G-14944-1	111,578	
93.855	Allergy And Infectious Diseases Research	Pass-through	Colorado State University Total		111,578	
93.855	Allergy And Infectious Diseases Research	Pass-through	Columbia University	07(GG011896-49);1	4,349	
93.855	Allergy And Infectious Diseases Research	Pass-through	Columbia University	2(GG011896-65)	126,184	
93.855	Allergy And Infectious Diseases Research	Pass-through	Columbia University	22(GG011896-49)	138,973	
93.855	Allergy And Infectious Diseases Research	Pass-through	Columbia University	88950	(38)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Columbia University	US4AI138370	205,368	
93.855	Allergy And Infectious Diseases Research	Pass-through	Columbia University Total		474,835	
93.855	Allergy And Infectious Diseases Research	Pass-through	Crosslife Technologies Inc.	SUB 20184957 (A124779)	65,891	
93.855	Allergy And Infectious Diseases Research	Pass-through	Crosslife Technologies Inc. Total		65,891	
93.855	Allergy And Infectious Diseases Research	Pass-through	Dana-Farber Cancer Institute	1235903	81,698	
93.855	Allergy And Infectious Diseases Research	Pass-through	Dana-Farber Cancer Institute	R01A1134494	172,252	
93.855	Allergy And Infectious Diseases Research	Pass-through	Dana-Farber Cancer Institute Total		253,950	
93.855	Allergy And Infectious Diseases Research	Pass-through	Dartmouth College	009256	52,218	
93.855	Allergy And Infectious Diseases Research	Pass-through	Dartmouth College	009399	144,678	
93.855	Allergy And Infectious Diseases Research	Pass-through	Dartmouth College	R1263	55,547	
93.855	Allergy And Infectious Diseases Research	Pass-through	Dartmouth College Total		252,444	
93.855	Allergy And Infectious Diseases Research	Pass-through	Duke University	2032191	393,123	
93.855	Allergy And Infectious Diseases Research	Pass-through	Duke University	2037021	111	
93.855	Allergy And Infectious Diseases Research	Pass-through	Duke University	203-7689	45,443	
93.855	Allergy And Infectious Diseases Research	Pass-through	Duke University	203-7859	421,489	
93.855	Allergy And Infectious Diseases Research	Pass-through	Duke University	225440	495	
93.855	Allergy And Infectious Diseases Research	Pass-through	Duke University	79562	(48,559)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Duke University	A032374	299,556	
93.855	Allergy And Infectious Diseases Research	Pass-through	Duke University	A032963	18,061	
93.855	Allergy And Infectious Diseases Research	Pass-through	Duke University	A032986	67,022	
93.855	Allergy And Infectious Diseases Research	Pass-through	Duke University	A039085	33,299	
93.855	Allergy And Infectious Diseases Research	Pass-through	Duke University	A18-2312	21,440	
93.855	Allergy And Infectious Diseases Research	Pass-through	Duke University Total		1,251,479	
93.855	Allergy And Infectious Diseases Research	Pass-through	Electronucleics Inc.	20182590	22,414	
93.855	Allergy And Infectious Diseases Research	Pass-through	Electronucleics Inc. Total		22,414	
93.855	Allergy And Infectious Diseases Research	Pass-through	Emory University	2 U19 110483-06	1,213	
93.855	Allergy And Infectious Diseases Research	Pass-through	Emory University	A016147	175,768	
93.855	Allergy And Infectious Diseases Research	Pass-through	Emory University	A042615	504,028	
93.855	Allergy And Infectious Diseases Research	Pass-through	Emory University	A115274	45,809	
93.855	Allergy And Infectious Diseases Research	Pass-through	Emory University	A160079	78,500	
93.855	Allergy And Infectious Diseases Research	Pass-through	Emory University	A160118	43,245	
93.855	Allergy And Infectious Diseases Research	Pass-through	Emory University	A231427	9,576	
93.855	Allergy And Infectious Diseases Research	Pass-through	Emory University	A278358	87,705	
93.855	Allergy And Infectious Diseases Research	Pass-through	Emory University	A327011	1,516,901	1,273,234
93.855	Allergy And Infectious Diseases Research	Pass-through	Emory University	SUB 5899904 (A1090023)	47,095	
93.855	Allergy And Infectious Diseases Research	Pass-through	Emory University Total		2,509,841	1,273,234
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	010760	35,821	
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	865/0080.0020:21	12,297	
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	872EF	5,534	5,534
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	87847	27,478	
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	89988	40,870	
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	953/0080.0142:11	31,551	
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	PO15002977:11	205,155	
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	PO15004412:11	72,972	
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	PO15004413	246,322	246,351

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	P016001621	2,499	2,500
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	P017001851-07	913,401	385,069
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	P017003415	(438)	
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	P019002630	11,062	6,892
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360	P020000488	20,403	12,219
93.855	Allergy And Infectious Diseases Research	Pass-through	FHI 360 Total		1,624,925	658,565
93.855	Allergy And Infectious Diseases Research	Pass-through	Fred Hutchinson Cancer Research Center	000058775	21,848	
93.855	Allergy And Infectious Diseases Research	Pass-through	Fred Hutchinson Cancer Research Center	0000964852	7,538	
93.855	Allergy And Infectious Diseases Research	Pass-through	Fred Hutchinson Cancer Research Center	0001025404	28,636	
93.855	Allergy And Infectious Diseases Research	Pass-through	Fred Hutchinson Cancer Research Center	80155	(234)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Fred Hutchinson Cancer Research Center	879C3	(1,500)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Fred Hutchinson Cancer Research Center	B7630	(69)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Fred Hutchinson Cancer Research Center	SUB 0000879576		1,813
93.855	Allergy And Infectious Diseases Research	Pass-through	Fred Hutchinson Cancer Research Center Total	(A1122978)		58,032
93.855	Allergy And Infectious Diseases Research	Pass-through	Georgetown University	SUB 411316_GR411240-UCSD AWD-7	76,505	
93.855	Allergy And Infectious Diseases Research	Pass-through	Georgetown University Total		76,505	
93.855	Allergy And Infectious Diseases Research	Pass-through	Gladstone Institutes	R2482-A	264,788	
93.855	Allergy And Infectious Diseases Research	Pass-through	Gladstone Institutes	R2491-A	45,213	
93.855	Allergy And Infectious Diseases Research	Pass-through	Gladstone Institutes Total		310,001	
93.855	Allergy And Infectious Diseases Research	Pass-through	Harvard University	008714	28,032	
93.855	Allergy And Infectious Diseases Research	Pass-through	Harvard University	116543-5108413.2	1,166	
93.855	Allergy And Infectious Diseases Research	Pass-through	Harvard University	232560-1	48,886	
93.855	Allergy And Infectious Diseases Research	Pass-through	Harvard University	87C30	31,948	
93.855	Allergy And Infectious Diseases Research	Pass-through	Harvard University Total		110,032	
93.855	Allergy And Infectious Diseases Research	Pass-through	Heluna Health	A122745	976,967	
93.855	Allergy And Infectious Diseases Research	Pass-through	Heluna Health Total		976,967	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	025578414609	136,239	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-8673-4609	64,372	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-8682-4609	247,281	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-8689-4609	126,304	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-8001-4609	330,384	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-8001-4609-7	49,801	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-B011-4609	217,386	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-B012-4609	39,464	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	58972	15,723	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	61060	133,244	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	88937	238,764	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	89088	12,748	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	D3731	105,637	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	D3769	42,864	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	D5597	16,154	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	D5626	143,223	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	E0255-8689-4609	47,350	
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai	SUB 0255-A131-4609		432,010
93.855	Allergy And Infectious Diseases Research	Pass-through	Icahn School Of Medicine At Mount Sinai Total	(A1135972)		2,398,948
93.855	Allergy And Infectious Diseases Research	Pass-through	Immune Deficiency Foundation	20193115	2,200	
93.855	Allergy And Infectious Diseases Research	Pass-through	Immune Deficiency Foundation	2U24A086037-06	32,213	
93.855	Allergy And Infectious Diseases Research	Pass-through	Immune Deficiency Foundation Total		34,413	
93.855	Allergy And Infectious Diseases Research	Pass-through	Indiana University	009351	12,724	
93.855	Allergy And Infectious Diseases Research	Pass-through	Indiana University	8172 UCSF B	108,728	
93.855	Allergy And Infectious Diseases Research	Pass-through	Indiana University	86854	(3,043)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Indiana University	IN468839X UCSFA	422,180	
93.855	Allergy And Infectious Diseases Research	Pass-through	Indiana University Total		540,589	
93.855	Allergy And Infectious Diseases Research	Pass-through	Institut Pasteur	5R01A129822-SBA-CB	105,141	
93.855	Allergy And Infectious Diseases Research	Pass-through	Institut Pasteur Total		105,141	
93.855	Allergy And Infectious Diseases Research	Pass-through	Institute For Clinical Research	83327	(276)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Institute For Clinical Research Total		(276)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Integrated Biotherapeutics, Inc	R56TOXVAX-UCSF-Y1	74,993	
93.855	Allergy And Infectious Diseases Research	Pass-through	Integrated Biotherapeutics, Inc Total		74,993	
93.855	Allergy And Infectious Diseases Research	Pass-through	Iowa State University	430-40-16A-2	78,297	
93.855	Allergy And Infectious Diseases Research	Pass-through	Iowa State University Total		78,297	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2002292916	4,965	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2002292921	25,399	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2002292925	7,112	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2002302024	8,108	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	200256257	38,985	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2003036375	79,635	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	200319183.04	46,332	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2003124717	(8,360)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2003151007	3,699	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2003229857.2	57,465	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2003649374	18,098	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2003738316.02	38,815	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2003749533.01	8,937	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2003821277	19,669	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2003913133	12,209	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2004171087	520	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	87AD6	19,522	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	89556	93,452	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	B3670	(68)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	B3683	(1,184)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	B4960	518	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	LAB 41	2,449	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	LDR 40	20,122	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	PTCL 45	45,219	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	SUB		
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	2000303655(A069918)	31,770	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	SUB 2002283571		336,077
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	(A068632)		
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	SUB 2002438807	71,725	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	(A068632)		
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	SUB 2003749517	12,219	
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	(A068632)		
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	SUB 2004117651		1,994
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	(A1134591)		
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	SUB 2004266092		3,436
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	(A1138997)		
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	SUB 2004427524		54,148
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	(A1145555)		57,609
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University	UM1A068632		1,109,573
93.855	Allergy And Infectious Diseases Research	Pass-through	Johns Hopkins University Total			
93.855	Allergy And Infectious Diseases Research	Pass-through	Kaiser Permanente Division Of Research	OOS030104-UCB	(236)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Kaiser Permanente Division Of Research Total		(236)	
93.855	Allergy And Infectious Diseases Research	Pass-through	La Jolla Institute For Immunology	20025-03-381	22,784	
93.855	Allergy And Infectious Diseases Research	Pass-through	La Jolla Institute For Immunology	27909-01-175-408	69,222	
93.855	Allergy And Infectious Diseases Research	Pass-through	La Jolla Institute For Immunology	SUB 26244-44-382		228,815
93.855	Allergy And Infectious Diseases Research	Pass-through	La Jolla Institute For Immunology	(A1109976)		
93.855	Allergy And Infectious Diseases Research	Pass-through	La Jolla Institute For Immunology	SUB 27318-44-384		33,662
93.855	Allergy And Infectious Diseases Research	Pass-through	La Jolla Institute For Immunology	(A1135731)		
93.855	Allergy And Infectious Diseases Research	Pass-through	La Jolla Institute For Immunology	SUB 27429-01-116-382		38,781
93.855	Allergy And Infectious Diseases Research	Pass-through	La Jolla Institute For Immunology	(A1142742)		
93.855	Allergy And Infectious Diseases Research	Pass-through	La Jolla Institute For Immunology	SUB 27429-01-144-382		16,395
93.855	Allergy And Infectious Diseases Research	Pass-through	La Jolla Institute For Immunology	(A142742)		
93.855	Allergy And Infectious Diseases Research	Pass-through	La Jolla Institute For Immunology	SUB 27429-01-150-382		30,129
93.855	Allergy And Infectious Diseases Research	Pass-through	La Jolla Institute For Immunology Total	(A1142742)		439,788
93.855	Allergy And Infectious Diseases Research	Pass-through	Lawrence Livermore National Security, LLC	B638089	256,527	
93.855	Allergy And Infectious Diseases Research	Pass-through	Lawrence Livermore National Security, LLC Total		256,527	
93.855	Allergy And Infectious Diseases Research	Pass-through	Leidos Biomedical Research, Inc.	A20-3921	80,000	

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.855	Allergy And Infectious Diseases Research	Pass-through	Leidos Biomedical Research, Inc. Total		80,000	
93.855	Allergy And Infectious Diseases Research	Pass-through	Lionamed, LLC	A20-0733	268,135	
93.855	Allergy And Infectious Diseases Research	Pass-through	Lionamed, LLC Total		268,135	
93.855	Allergy And Infectious Diseases Research	Pass-through	Luminostics, Inc.	CA-0124624	(619)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Luminostics, Inc. Total		(619)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Lundquist Institute For Biomedical Innovation At Harbor-Ucla Medical C	30284-UCLA	38,909	
93.855	Allergy And Infectious Diseases Research	Pass-through	Lundquist Institute For Biomedical Innovation At Harbor-Ucla Medical C	30685-UCLA:4	496,568	
93.855	Allergy And Infectious Diseases Research	Pass-through	Lundquist Institute For Biomedical Innovation At Harbor-Ucla Medical C Total		535,477	
93.855	Allergy And Infectious Diseases Research	Pass-through	Magee-Womens Hospital, Research Institute And Foundation	9529	4,223	
93.855	Allergy And Infectious Diseases Research	Pass-through	Magee-Womens Hospital, Research Institute And Foundation Total		4,223	
93.855	Allergy And Infectious Diseases Research	Pass-through	Massachusetts General Hospital	227111	(30,822)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Massachusetts General Hospital	232251:3	1,517	
93.855	Allergy And Infectious Diseases Research	Pass-through	Massachusetts General Hospital	232788	1,759	
93.855	Allergy And Infectious Diseases Research	Pass-through	Massachusetts General Hospital	233345	43,825	
93.855	Allergy And Infectious Diseases Research	Pass-through	Massachusetts General Hospital	234351	53,232	
93.855	Allergy And Infectious Diseases Research	Pass-through	Massachusetts General Hospital	88956	1,086	
93.855	Allergy And Infectious Diseases Research	Pass-through	Massachusetts General Hospital Total		70,597	
93.855	Allergy And Infectious Diseases Research	Pass-through	Mbio Diagnostics, Inc.	89092	798	
93.855	Allergy And Infectious Diseases Research	Pass-through	Mbio Diagnostics, Inc. Total		798	
93.855	Allergy And Infectious Diseases Research	Pass-through	Memorial Sloan-Kettering Cancer Center	SUB BD21131 (A1128517)	119	
93.855	Allergy And Infectious Diseases Research	Pass-through	Memorial Sloan-Kettering Cancer Center Total		119	
93.855	Allergy And Infectious Diseases Research	Pass-through	Michigan State University	SUB RC110226UC (A1145925)	49,061	
93.855	Allergy And Infectious Diseases Research	Pass-through	Michigan State University Total		49,061	
93.855	Allergy And Infectious Diseases Research	Pass-through	Mount Sinai Health System, Inc.	57543	67,017	
93.855	Allergy And Infectious Diseases Research	Pass-through	Mount Sinai Health System, Inc.	59279	77,016	
93.855	Allergy And Infectious Diseases Research	Pass-through	Mount Sinai Health System, Inc. Total		144,033	
93.855	Allergy And Infectious Diseases Research	Pass-through	National Jewish Health	871CB	818,634	
93.855	Allergy And Infectious Diseases Research	Pass-through	National Jewish Health	87A70	32,400	
93.855	Allergy And Infectious Diseases Research	Pass-through	National Jewish Health	SUB 20098103 (A1117673)	114,635	
93.855	Allergy And Infectious Diseases Research	Pass-through	National Jewish Health Total		955,671	
93.855	Allergy And Infectious Diseases Research	Pass-through	New York University	18-AA-00-1000450-01:2	37,828	
93.855	Allergy And Infectious Diseases Research	Pass-through	New York University Total		37,828	
93.855	Allergy And Infectious Diseases Research	Pass-through	North Carolina State University	63623	3,947	
93.855	Allergy And Infectious Diseases Research	Pass-through	North Carolina State University	R01AL139085	24,453	
93.855	Allergy And Infectious Diseases Research	Pass-through	North Carolina State University Total		28,400	
93.855	Allergy And Infectious Diseases Research	Pass-through	Northern California Institute For Research And Education, Inc	PUL2104-01	3,375	
93.855	Allergy And Infectious Diseases Research	Pass-through	Northern California Institute For Research And Education, Inc	SUB SUL1847-04 (A106987)	(1,533)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Northern California Institute For Research And Education, Inc	WONG1862	(456)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Northern California Institute For Research And Education, Inc Total		1,387	
93.855	Allergy And Infectious Diseases Research	Pass-through	Northrop Grumman Systems Corporation	7500157108	618,537	
93.855	Allergy And Infectious Diseases Research	Pass-through	Northrop Grumman Systems Corporation Total		618,537	
93.855	Allergy And Infectious Diseases Research	Pass-through	Northwestern University	60049111 UCLA:A01	124,518	
93.855	Allergy And Infectious Diseases Research	Pass-through	Northwestern University Total		124,518	
93.855	Allergy And Infectious Diseases Research	Pass-through	Oak Crest Institute Of Science	S14-164UCLA:6	14,190	
93.855	Allergy And Infectious Diseases Research	Pass-through	Oak Crest Institute Of Science	SUB S14-164 (A1113048)	19,862	
93.855	Allergy And Infectious Diseases Research	Pass-through	Oak Crest Institute Of Science Total		34,053	
93.855	Allergy And Infectious Diseases Research	Pass-through	Phase Diagnostics, Inc.	20170820	38,686	
93.855	Allergy And Infectious Diseases Research	Pass-through	Phase Diagnostics, Inc. Total		38,686	
93.855	Allergy And Infectious Diseases Research	Pass-through	Profil Institute For Clinical Research, Inc.	8576A	(1,604)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Profil Institute For Clinical Research, Inc. Total		(1,604)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Raft Pharmaceuticals LLC	SUB RFT001-A1147879-001 (A1147)	177,595	
93.855	Allergy And Infectious Diseases Research	Pass-through	Raft Pharmaceuticals LLC Total		177,595	
93.855	Allergy And Infectious Diseases Research	Pass-through	Rockefeller University	R37AI037526	138,039	
93.855	Allergy And Infectious Diseases Research	Pass-through	Rockefeller University Total		138,039	
93.855	Allergy And Infectious Diseases Research	Pass-through	Rutgers, The State University Of New Jersey	0790	40,014	
93.855	Allergy And Infectious Diseases Research	Pass-through	Rutgers, The State University Of New Jersey	0943	126,653	
93.855	Allergy And Infectious Diseases Research	Pass-through	Rutgers, The State University Of New Jersey	108614	83,381	
93.855	Allergy And Infectious Diseases Research	Pass-through	Rutgers, The State University Of New Jersey	87252	380	
93.855	Allergy And Infectious Diseases Research	Pass-through	Rutgers, The State University Of New Jersey	B5369	(21)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Rutgers, The State University Of New Jersey Total		250,406	
93.855	Allergy And Infectious Diseases Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute	59560-12797-UCLA:3	98,969	
93.855	Allergy And Infectious Diseases Research	Pass-through	Sanford Burnham Prebys Medical Discovery Institute Total		98,969	
93.855	Allergy And Infectious Diseases Research	Pass-through	Silver Lake Research Corporation	041776	117,912	
93.855	Allergy And Infectious Diseases Research	Pass-through	Silver Lake Research Corporation Total		117,912	
93.855	Allergy And Infectious Diseases Research	Pass-through	Social And Scientific Systems, Inc.	CRB-SSS-S-15-004631	160,076	
93.855	Allergy And Infectious Diseases Research	Pass-through	Social And Scientific Systems, Inc. Total		160,076	
93.855	Allergy And Infectious Diseases Research	Pass-through	Southern Medical University	SMU-5553612	13,179	
93.855	Allergy And Infectious Diseases Research	Pass-through	Southern Medical University Total		13,179	
93.855	Allergy And Infectious Diseases Research	Pass-through	Stanford University	60625362-107582:08	1,203	
93.855	Allergy And Infectious Diseases Research	Pass-through	Stanford University	60892242-594	27,624	
93.855	Allergy And Infectious Diseases Research	Pass-through	Stanford University	81097839-48307	36,730	
93.855	Allergy And Infectious Diseases Research	Pass-through	Stanford University	61444536-120709	9,316	
93.855	Allergy And Infectious Diseases Research	Pass-through	Stanford University	B3129	431	
93.855	Allergy And Infectious Diseases Research	Pass-through	Stanford University	SUB 62230099-135391(A1142487)	43,094	
93.855	Allergy And Infectious Diseases Research	Pass-through	Stanford University Total		118,398	
93.855	Allergy And Infectious Diseases Research	Pass-through	Sunomix Therapeutics Inc.	STI-208493-CYC2	47,120	
93.855	Allergy And Infectious Diseases Research	Pass-through	Sunomix Therapeutics Inc. Total		47,120	
93.855	Allergy And Infectious Diseases Research	Pass-through	Sustainable Sciences Institute	IR1200-1	6,892	
93.855	Allergy And Infectious Diseases Research	Pass-through	Sustainable Sciences Institute Total		6,892	
93.855	Allergy And Infectious Diseases Research	Pass-through	Sylvatica Biotech, Inc.	047262	116,957	
93.855	Allergy And Infectious Diseases Research	Pass-through	Sylvatica Biotech, Inc. Total		116,957	
93.855	Allergy And Infectious Diseases Research	Pass-through	Temple University	262177-UCLA:1	36,232	
93.855	Allergy And Infectious Diseases Research	Pass-through	Temple University Total		36,232	
93.855	Allergy And Infectious Diseases Research	Pass-through	Tendel Therapies Inc.	A20-2675	26,440	
93.855	Allergy And Infectious Diseases Research	Pass-through	Tendel Therapies Inc. Total		26,440	
93.855	Allergy And Infectious Diseases Research	Pass-through	Texas Biomedical Research Institute (Texas Biomed)	PO 45756:3	26,274	
93.855	Allergy And Infectious Diseases Research	Pass-through	Texas Biomedical Research Institute (Texas Biomed) Total		26,274	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Hektoen Institute Of Medicine	50616-324-UCSF01	10,376	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Hektoen Institute Of Medicine Total		10,376	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Scripps Research Institute	010557	14,441	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Scripps Research Institute	5-53938:1	272,675	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Scripps Research Institute Total		287,115	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Texas A&M University System	M1803705	283,620	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Texas A&M University System	M1803707	345,303	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Texas A&M University System	SUB M1800750 (A1127807)	94,317	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Texas A&M University System Total		723,440	
93.855	Allergy And Infectious Diseases Research	Pass-through	The University Of Alabama (Tuscaloosa)	88971	28,322	
93.855	Allergy And Infectious Diseases Research	Pass-through	The University Of Alabama (Tuscaloosa) Total		28,322	
93.855	Allergy And Infectious Diseases Research	Pass-through	The University Of Alabama At Birmingham	000510836-005	423,170	
93.855	Allergy And Infectious Diseases Research	Pass-through	The University Of Alabama At Birmingham	000510836-007	212,401	
93.855	Allergy And Infectious Diseases Research	Pass-through	The University Of Alabama At Birmingham	000523146-003	615	
93.855	Allergy And Infectious Diseases Research	Pass-through	The University Of Alabama At Birmingham	874B5	414,734	
93.855	Allergy And Infectious Diseases Research	Pass-through	The University Of Alabama At Birmingham	874G3	458	
93.855	Allergy And Infectious Diseases Research	Pass-through	The University Of Alabama At Birmingham	87BD2	1	
93.855	Allergy And Infectious Diseases Research	Pass-through	The University Of Alabama At Birmingham Total		1,051,379	
93.855	Allergy And Infectious Diseases Research	Pass-through	Tufts University	102894	2,618	
93.855	Allergy And Infectious Diseases Research	Pass-through	Tufts University Total		2,618	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Hospital Basel	4609/199	11,176	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Hospital Basel Total		11,176	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Chicago	87A72	53,563	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Chicago	AWD100509- SUB00000147	34,055	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Chicago Total		87,618	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Colorado Denver	FY19.956.001	44,347	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Colorado Denver	R21AI139839	62,494	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Colorado Denver Total		106,841	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Georgia	RR374-126/S001202- CYC4	219,794	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Georgia	SUB00001891	33,350	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Georgia	SUB00002096	80,739	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Georgia Total		333,883	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Idaho	R01AI131609	60,086	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Idaho Total		60,086	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Iowa	R01AI132402	24,113	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Iowa Total		24,113	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Maryland School Of Medicine	1903414	62,935	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Maryland School Of Medicine Total		62,935	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Massachusetts Amherst	SUB WA00324479/RFS201602 0 (A1)	138,574	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Massachusetts Amherst Total		138,574	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Massachusetts Medical School	1R01AI141181-01	713	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Massachusetts Medical School Total		713	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Miami	5P30A073961-12	53,851	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Miami	C1357	(1,140)	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Miami Total		52,711	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Michigan	300468906	78,702	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Michigan	SUBK00008602	16,771	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Michigan	SUBK00010590-CYC1	123,544	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Michigan Total		219,018	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Minnesota	P004756905	722	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Minnesota Total		722	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of New Mexico	048004-870D	16,150	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of New Mexico Total		16,150	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of North Carolina At Chapel Hill	5103294	40,172	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of North Carolina At Chapel Hill	5112989-1	26,528	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of North Carolina At Chapel Hill	87C41	54,965	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of North Carolina At Chapel Hill Total		121,665	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Pennsylvania	1R01AI144522-01A1	10,277	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Pennsylvania	560928	27,258	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Pennsylvania	566950	50,178	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Pennsylvania	574270	87,915	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Pennsylvania Total		175,629	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Pittsburgh	0044312	70,655	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Pittsburgh	77957	(28,070)	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Pittsburgh	R21AI140010	109,155	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Pittsburgh Total		151,741	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Rhode Island	0007489/11012018	38,705	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Rhode Island Total		38,705	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of South Florida	009365	149,609	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of South Florida	6123-1246-20-D	79,759	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of South Florida	6123-1247-00-D-CYC1	95,899	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of South Florida Total		325,267	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Toronto	503460	252,672	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Toronto Total		252,672	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Washington	11593SUB.03	26,998	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Washington	UWSC10418	204,943	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Washington	UWSC10582	49,219	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Washington	UWSC9531	9,172	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Washington Total		290,332	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Wisconsin-Madison	0000000167	603,739	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Wisconsin-Madison	0000000534	2,882	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Wisconsin-Madison	201703626	22,201	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Wisconsin-Madison	892K570	100,119	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Wisconsin-Madison	P01AI132132	19,127	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Wisconsin-Madison Total		748,068	
93.855	Allergy And Infectious Diseases Research	Pass-through	Vanderbilt University Medical Center	VUMC 59104	5,439	
93.855	Allergy And Infectious Diseases Research	Pass-through	Vanderbilt University Medical Center Total		5,439	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	83422	365	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	83517	243	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	83580	(1,084)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	8727D	(358)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	87857	(4,672)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	88052	335	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	88053	152	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	88599	(254)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	88681	(9,163)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	88872	(5,133)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	89855	79,442	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA GUATELLI (A1116194)	298	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA LOONEY 309176 (A1036214)	13,973	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA RICHMAN (A1126620)	39,310	
93.855	Allergy And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego Total		113,456	
93.855	Allergy And Infectious Diseases Research	Pass-through	Visby Medical, Inc.	1R44A143012-01A1	7,596	
93.855	Allergy And Infectious Diseases Research	Pass-through	Visby Medical, Inc.	20191520	17,058	
93.855	Allergy And Infectious Diseases Research	Pass-through	Visby Medical, Inc. Total		24,654	
93.855	Allergy And Infectious Diseases Research	Pass-through	Vitalant	11530UCD150	83,539	
93.855	Allergy And Infectious Diseases Research	Pass-through	Vitalant Total		83,539	
93.855	Allergy And Infectious Diseases Research	Pass-through	Washington University In St. Louis	78363	(2,087)	
93.855	Allergy And Infectious Diseases Research	Pass-through	Washington University In St. Louis	WU-19-125-MOD-1	11,567	
93.855	Allergy And Infectious Diseases Research	Pass-through	Washington University In St. Louis Total		9,480	
93.855	Allergy And Infectious Diseases Research	Pass-through	Yale University	GK000160 (CON- 80000452)-CYC5	23,772	
93.855	Allergy And Infectious Diseases Research	Pass-through	Yale University	GR105299(CON- 80001663)	24,020	
93.855	Allergy And Infectious Diseases Research	Pass-through	Yale University	GR106288 (CON- 80001798)	307,276	
93.855	Allergy And Infectious Diseases Research	Pass-through	Yale University Total		355,068	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Colorado System	FY19.206.007-4	79,835	
93.855	Allergy And Infectious Diseases Research	Pass-through	University Of Colorado System Total		79,835	
93.855	Allergy And Infectious Diseases Research	Pass-through	General Electric Company	PO NO. 401109530	103,688	
93.855	Allergy And Infectious Diseases Research	Pass-through	General Electric Company Total		103,688	
93.855	Allergy And Infectious Diseases Research	Pass-through	Mabx Inc.	A18-1079	1	
93.855	Allergy And Infectious Diseases Research	Pass-through	Mabx Inc. Total		1	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Children's Hospital Corp.	GENFD0001471889-CYC1	433,338	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Children's Hospital Corp.	GENFD0001467483-1	247,889	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Children's Hospital Corp.	GENFD0001525527	8,487	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Children's Hospital Corp.	GENFD0001641532	82,809	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Children's Hospital Corp.	SUB GENFD0001572212 (A1125051)	38,673	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Children's Hospital Corp.	SUB GENFD0001644919 (A1126614)	60,054	
93.855	Allergy And Infectious Diseases Research	Pass-through	The Children's Hospital Corp. Total		871,248	
93.855	Allergy And Infectious Diseases Research Total				308,215,639	81,681,124

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.855	COVID-19 - Allergy And Infectious Diseases Research	Direct	National Institutes of Health (NIH)	Various	824,254	
93.855	COVID-19 - Allergy And Infectious Diseases Research	Direct	National Institutes of Health (NIH) Total		824,254	
93.855	COVID-19 - Allergy And Infectious Diseases Research Total				824,254	
93.856	Microbiology And Infectious Diseases Research	Direct	National Institutes of Health (NIH)	Various	911,832	35,000
93.856	Microbiology And Infectious Diseases Research	Direct	National Institutes of Health (NIH) Total		911,832	35,000
93.856	Microbiology And Infectious Diseases Research	Pass-through	California State University, San Diego State University	SUB SA0000592 (HD08688)	172,696	
93.856	Microbiology And Infectious Diseases Research	Pass-through	California State University, San Diego State University Total		172,696	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Emory University	SUB T563785 (AI090023)	81,662	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Emory University Total		81,662	
93.856	Microbiology And Infectious Diseases Research	Pass-through	International Aids Vaccine Initiative Inc.	87584	(20,413)	
93.856	Microbiology And Infectious Diseases Research	Pass-through	International Aids Vaccine Initiative Inc. Total		(20,413)	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Mbio Diagnostics, Inc.	87409	627	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Mbio Diagnostics, Inc. Total		627	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Northeastern University	SUB 500512-78050 (AI127594)	7,049	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Northeastern University Total		7,049	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Proteus, Inc.	89604	(5,126)	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Proteus, Inc. Total		(5,126)	
93.856	Microbiology And Infectious Diseases Research	Pass-through	University Of Montana	SUB PG19-61078- 01(HHSN22018000	710,226	
93.856	Microbiology And Infectious Diseases Research	Pass-through	University Of Montana Total		710,226	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	82102	(6,332)	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	83431	(1,371)	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	83525	(457)	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	896G1	141	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA GUATELLI (322032)	21,776	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA GUATELLI (AI081668)	79,736	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA GUATELLI (AI116194)	33,961	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA GUATELLI 08705004 (AI08166	32,548	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA GUATELLI 092040003/AI11619	14,517	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA GUATELLI 09473001(AI129706	33,247	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA RICHMAN(AI26619)	44,451	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA VOLLBRECHT 322682 (AI11619	70,393	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA 318979 (AI129706)	37,617	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Veterans Medical Research Foundation Of San Diego Total		360,226	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Washington University In St. Louis	SUB WU-19-93 (AI095542)	118,151	
93.856	Microbiology And Infectious Diseases Research	Pass-through	Washington University In St. Louis Total		118,151	
93.856	Microbiology And Infectious Diseases Research Total				2,336,930	35,000
93.859	Biomedical Research And Research Training	Direct	Department Of Energy (DOE)	DE-AC02-05CH11231	27,322	
93.859	Biomedical Research And Research Training	Direct	Department Of Energy (DOE)	7382383	319,536	
93.859	Biomedical Research And Research Training	Direct	Department Of Energy (DOE) Total		346,858	
93.859	Biomedical Research And Research Training	Direct	National Institutes of Health (NIH)	Various	220,612,160	7,625,091
93.859	Biomedical Research And Research Training	Direct	National Institutes of Health (NIH) Total		220,612,160	7,625,091
93.859	Biomedical Research And Research Training	Pass-through	Aimra, Inc.	A19-2028	8,688	
93.859	Biomedical Research And Research Training	Pass-through	Aimra, Inc. Total		8,688	
93.859	Biomedical Research And Research Training	Pass-through	Arizona State University/Tempe	17-070.03	102,803	
93.859	Biomedical Research And Research Training	Pass-through	Arizona State University/Tempe	877G6	11,603	
93.859	Biomedical Research And Research Training	Pass-through	Arizona State University/Tempe Total		114,406	
93.859	Biomedical Research And Research Training	Pass-through	Boston University	4500002742-001	4,709	
93.859	Biomedical Research And Research Training	Pass-through	Boston University Total		4,709	
93.859	Biomedical Research And Research Training	Pass-through	Brigham And Women's Hospital	SUB 121940 (GM132825)	56,918	
93.859	Biomedical Research And Research Training	Pass-through	Brigham And Women's Hospital Total		56,918	
93.859	Biomedical Research And Research Training	Pass-through	Brown University	57603	(1,044)	
93.859	Biomedical Research And Research Training	Pass-through	Brown University	R01GM118652	23,088	
93.859	Biomedical Research And Research Training	Pass-through	Brown University Total		22,044	
93.859	Biomedical Research And Research Training	Pass-through	Buck Institute For Research On Aging	SA40002-UC	25,905	
93.859	Biomedical Research And Research Training	Pass-through	Buck Institute For Research On Aging Total		25,905	
93.859	Biomedical Research And Research Training	Pass-through	Cal State L.A. University Auxiliary Services, Inc. (UAS)	UCI231328	5,277	
93.859	Biomedical Research And Research Training	Pass-through	Cal State L.A. University Auxiliary Services, Inc. (UAS) Total		5,277	
93.859	Biomedical Research And Research Training	Pass-through	California Institute Of Technology	S419077	91,180	
93.859	Biomedical Research And Research Training	Pass-through	California Institute Of Technology Total		91,180	
93.859	Biomedical Research And Research Training	Pass-through	California State University, Fresno Foundation	SC34040435-15-01	10,800	
93.859	Biomedical Research And Research Training	Pass-through	California State University, Fresno Foundation Total		10,800	
93.859	Biomedical Research And Research Training	Pass-through	Carnegie Mellon University	SUB 1090607-425868 (GM137413)	61,750	
93.859	Biomedical Research And Research Training	Pass-through	Carnegie Mellon University Total		61,750	
93.859	Biomedical Research And Research Training	Pass-through	Case Western Reserve University	RES512969-1	1,165	
93.859	Biomedical Research And Research Training	Pass-through	Case Western Reserve University	RES512970	5,693	
93.859	Biomedical Research And Research Training	Pass-through	Case Western Reserve University Total		6,858	
93.859	Biomedical Research And Research Training	Pass-through	Children's Hospital And Research Center Foundation	12 8036 UCB 01	(15,630)	
93.859	Biomedical Research And Research Training	Pass-through	Children's Hospital And Research Center Foundation	12 8036 UCSF 01	227,266	
93.859	Biomedical Research And Research Training	Pass-through	Children's Hospital And Research Center Foundation	808036 UCLA 04.4	352,509	
93.859	Biomedical Research And Research Training	Pass-through	Children's Hospital And Research Center Foundation Total		564,145	
93.859	Biomedical Research And Research Training	Pass-through	Children's Hospital Of Philadelphia	3201300819	4,698	
93.859	Biomedical Research And Research Training	Pass-through	Children's Hospital Of Philadelphia Total		4,698	
93.859	Biomedical Research And Research Training	Pass-through	City University Of New York	SUB CM00001969-00 (GM100946)	157,961	
93.859	Biomedical Research And Research Training	Pass-through	City University Of New York Total		157,961	
93.859	Biomedical Research And Research Training	Pass-through	Colorado State University	G-35013-1	337,483	
93.859	Biomedical Research And Research Training	Pass-through	Colorado State University Total		337,483	
93.859	Biomedical Research And Research Training	Pass-through	Cornell University	008628	14,137	
93.859	Biomedical Research And Research Training	Pass-through	Cornell University	SUB 87367-11215 (GM127548)	56,925	
93.859	Biomedical Research And Research Training	Pass-through	Cornell University Total		71,062	
93.859	Biomedical Research And Research Training	Pass-through	Duke University	A030142-CYC1	613	
93.859	Biomedical Research And Research Training	Pass-through	Duke University Total		613	
93.859	Biomedical Research And Research Training	Pass-through	Duquesne University	G1700082	19,180	
93.859	Biomedical Research And Research Training	Pass-through	Duquesne University Total		19,180	
93.859	Biomedical Research And Research Training	Pass-through	Emory University	8720C	808	
93.859	Biomedical Research And Research Training	Pass-through	Emory University Total		808	
93.859	Biomedical Research And Research Training	Pass-through	Indian Health Council, Inc.	SUB 20174777 (GM128073)	96,061	
93.859	Biomedical Research And Research Training	Pass-through	Indian Health Council, Inc.	SUB 20174885 (GM128073)	155,941	
93.859	Biomedical Research And Research Training	Pass-through	Indian Health Council, Inc. Total		252,003	
93.859	Biomedical Research And Research Training	Pass-through	Innoscuting LLC	SUB 20190976(NONE)	(6,749)	
93.859	Biomedical Research And Research Training	Pass-through	Innoscuting LLC Total		(6,749)	
93.859	Biomedical Research And Research Training	Pass-through	Institute For Systems Biology	SUB 2017.0002 (GM127667)	96,633	
93.859	Biomedical Research And Research Training	Pass-through	Institute For Systems Biology Total		96,633	
93.859	Biomedical Research And Research Training	Pass-through	Iowa State University	430-21-35A	54,370	
93.859	Biomedical Research And Research Training	Pass-through	Iowa State University	R35GM131885	45,853	
93.859	Biomedical Research And Research Training	Pass-through	Iowa State University Total		100,253	
93.859	Biomedical Research And Research Training	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	CLA-232782-01:1	150,602	
93.859	Biomedical Research And Research Training	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	UCA-251795-01	140,047	

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93.859	Biomedical Research And Research Training	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research Total		290,649	
93.859	Biomedical Research And Research Training	Pass-through	Medical College Of Wisconsin	20185107	67,190	
93.859	Biomedical Research And Research Training	Pass-through	Medical College Of Wisconsin Total		67,190	
93.859	Biomedical Research And Research Training	Pass-through	Michigan State University	RC110435UC	50,477	
93.859	Biomedical Research And Research Training	Pass-through	Michigan State University Total		50,477	
93.859	Biomedical Research And Research Training	Pass-through	Nanoclect Biomedical, Inc.	SUB 20181937 (GM128223)	176,169	
93.859	Biomedical Research And Research Training	Pass-through	Nanoclect Biomedical, Inc. Total		176,169	
93.859	Biomedical Research And Research Training	Pass-through	Neovative, Inc.	210792	83,926	
93.859	Biomedical Research And Research Training	Pass-through	Neovative, Inc. Total		83,926	
93.859	Biomedical Research And Research Training	Pass-through	North Carolina State University	2016-3285-01	152,811	
93.859	Biomedical Research And Research Training	Pass-through	North Carolina State University	87354	72	
93.859	Biomedical Research And Research Training	Pass-through	North Carolina State University Total		152,883	
93.859	Biomedical Research And Research Training	Pass-through	Northwestern University	60053087 UCL-CYC1	9,732	
93.859	Biomedical Research And Research Training	Pass-through	Northwestern University Total		9,732	
93.859	Biomedical Research And Research Training	Pass-through	Pennsylvania State University	89040	41,121	
93.859	Biomedical Research And Research Training	Pass-through	Pennsylvania State University Total		41,121	
93.859	Biomedical Research And Research Training	Pass-through	Purdue University	R25GM129198	6,895	
93.859	Biomedical Research And Research Training	Pass-through	Purdue University Total		6,895	
93.859	Biomedical Research And Research Training	Pass-through	Q-Chem, Inc.	61287	18,034	
93.859	Biomedical Research And Research Training	Pass-through	Q-Chem, Inc. Total		18,034	
93.859	Biomedical Research And Research Training	Pass-through	Rockefeller University	2P41GM109824-06	400,140	
93.859	Biomedical Research And Research Training	Pass-through	Rockefeller University	2R01GM112108-05	56,002	
93.859	Biomedical Research And Research Training	Pass-through	Rockefeller University	B4337	76	
93.859	Biomedical Research And Research Training	Pass-through	Rockefeller University	R01GM112108-01A1	(1,817)	
93.859	Biomedical Research And Research Training	Pass-through	Rockefeller University Total		454,401	
93.859	Biomedical Research And Research Training	Pass-through	Sanford Burnham Prebys Medical Discovery Institute	60019-13161-UCBS	73,549	
93.859	Biomedical Research And Research Training	Pass-through	Sanford Burnham Prebys Medical Discovery Institute	88082	(557)	
93.859	Biomedical Research And Research Training	Pass-through	Sanford Burnham Prebys Medical Discovery Institute Total		72,992	
93.859	Biomedical Research And Research Training	Pass-through	Scicrunch	20183548 (R41 GM131551)	27,536	
93.859	Biomedical Research And Research Training	Pass-through	Scicrunch Total		27,536	
93.859	Biomedical Research And Research Training	Pass-through	St. Jude Children's Research Hospital	112156010-7660158	59,793	
93.859	Biomedical Research And Research Training	Pass-through	St. Jude Children's Research Hospital Total		59,793	
93.859	Biomedical Research And Research Training	Pass-through	Stanford University	59907	(4)	
93.859	Biomedical Research And Research Training	Pass-through	Stanford University	61000019-469	51,454	
93.859	Biomedical Research And Research Training	Pass-through	Stanford University	62241037-136718	158,963	
93.859	Biomedical Research And Research Training	Pass-through	Stanford University	R01GM079429	88,940	
93.859	Biomedical Research And Research Training	Pass-through	Stanford University Total		299,352	
93.859	Biomedical Research And Research Training	Pass-through	The Scripps Research Institute	SUB 5-53043 (GM100934)	97,264	
93.859	Biomedical Research And Research Training	Pass-through	The Scripps Research Institute	SUB 5-54185 (A150472)	47,234	
93.859	Biomedical Research And Research Training	Pass-through	The Scripps Research Institute Total		144,498	
93.859	Biomedical Research And Research Training	Pass-through	University Of Chicago	878G4	(4,959)	
93.859	Biomedical Research And Research Training	Pass-through	University Of Chicago Total		(4,959)	
93.859	Biomedical Research And Research Training	Pass-through	University Of Florida	89064	119,002	
93.859	Biomedical Research And Research Training	Pass-through	University Of Florida	UFDSPO0011896	8,239	
93.859	Biomedical Research And Research Training	Pass-through	University Of Florida Total		127,242	
93.859	Biomedical Research And Research Training	Pass-through	University Of Illinois At Urbana-Champaign	083118-15900	425,534	
93.859	Biomedical Research And Research Training	Pass-through	University Of Illinois At Urbana-Champaign	092912-17727	23,810	
93.859	Biomedical Research And Research Training	Pass-through	University Of Illinois At Urbana-Champaign Total		449,344	
93.859	Biomedical Research And Research Training	Pass-through	University Of Kansas/KU Center For Research, Inc.	ZAL00020	93,841	
93.859	Biomedical Research And Research Training	Pass-through	University Of Kansas/KU Center For Research, Inc. Total		93,841	
93.859	Biomedical Research And Research Training	Pass-through	University Of Massachusetts Medical School	OSP2018132	22,145	
93.859	Biomedical Research And Research Training	Pass-through	University Of Massachusetts Medical School Total		22,145	
93.859	Biomedical Research And Research Training	Pass-through	University Of Michigan	3003707885	1,186	
93.859	Biomedical Research And Research Training	Pass-through	University Of Michigan	63479	368	
93.859	Biomedical Research And Research Training	Pass-through	University Of Michigan	A19-0897-001	35,738	
93.859	Biomedical Research And Research Training	Pass-through	University Of Michigan	SUB 3004563655 (GM070862)	7,871	
93.859	Biomedical Research And Research Training	Pass-through	University Of Michigan Total		45,164	
93.859	Biomedical Research And Research Training	Pass-through	University Of Minnesota	H006126301	16,134	
93.859	Biomedical Research And Research Training	Pass-through	University Of Minnesota	SUB 0904509601 (GM110129)	37,119	
93.859	Biomedical Research And Research Training	Pass-through	University Of Minnesota Total		53,253	
93.859	Biomedical Research And Research Training	Pass-through	University Of Nebraska	24-1123-0005-002-1	180,793	
93.859	Biomedical Research And Research Training	Pass-through	University Of Nebraska Total		180,793	
93.859	Biomedical Research And Research Training	Pass-through	University Of North Carolina At Chapel Hill	5104882-2	14,218	
93.859	Biomedical Research And Research Training	Pass-through	University Of North Carolina At Chapel Hill	5105472	53,785	
93.859	Biomedical Research And Research Training	Pass-through	University Of North Carolina At Chapel Hill Total		68,003	
93.859	Biomedical Research And Research Training	Pass-through	University Of Pittsburgh	CNVAD0048589 (127394-31-3)	49,156	
93.859	Biomedical Research And Research Training	Pass-through	University Of Pittsburgh Total		49,156	
93.859	Biomedical Research And Research Training	Pass-through	University Of Texas-Austin	SUB UTA15-000328 (GM111926)	4,476	
93.859	Biomedical Research And Research Training	Pass-through	University Of Texas-Austin	UTA18-001139	(2,152)	
93.859	Biomedical Research And Research Training	Pass-through	University Of Texas-Austin Total		2,325	
93.859	Biomedical Research And Research Training	Pass-through	University Of Utah	10044932-06	203,189	
93.859	Biomedical Research And Research Training	Pass-through	University Of Utah	SUB 10044932-14(GM082545)	76,167	
93.859	Biomedical Research And Research Training	Pass-through	University Of Utah Total		279,356	
93.859	Biomedical Research And Research Training	Pass-through	University Of Virginia	GB10352 153125	203,941	
93.859	Biomedical Research And Research Training	Pass-through	University Of Virginia Total		203,941	
93.859	Biomedical Research And Research Training	Pass-through	University Of Washington	80471	(202)	
93.859	Biomedical Research And Research Training	Pass-through	University Of Washington Total		(202)	
93.859	Biomedical Research And Research Training	Pass-through	University Of Wisconsin-Madison	80759	(2)	
93.859	Biomedical Research And Research Training	Pass-through	University Of Wisconsin-Madison Total		(2)	
93.859	Biomedical Research And Research Training	Pass-through	Veterans Medical Research Foundation Of San Diego	873A4	158	
93.859	Biomedical Research And Research Training	Pass-through	Veterans Medical Research Foundation Of San Diego	88157	259	
93.859	Biomedical Research And Research Training	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA PATEL (GM085179)	50,993	
93.859	Biomedical Research And Research Training	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA PATEL (GM085179)	47,762	
93.859	Biomedical Research And Research Training	Pass-through	Veterans Medical Research Foundation Of San Diego Total		98,755	
93.859	Biomedical Research And Research Training	Pass-through	University Of Colorado System	FY19.726.001	96,710	
93.859	Biomedical Research And Research Training	Pass-through	University Of Colorado System Total		96,710	
93.859	Biomedical Research And Research Training	Pass-through	Stony Brook University	77901	17,355	
93.859	Biomedical Research And Research Training	Pass-through	Stony Brook University	79590/2/1142917	55,939	
93.859	Biomedical Research And Research Training	Pass-through	Stony Brook University Total		73,294	
93.859	Biomedical Research And Research Training	Pass-through	The Children's Hospital Corp.	SUB GENFD0001672402 (GM118467)	9,464	
93.859	Biomedical Research And Research Training	Pass-through	The Children's Hospital Corp. Total		9,464	
93.859	Biomedical Research And Research Training Total				226,769,328	7,625,091
93.859	COVID-19 - Biomedical Research And Research Training	Direct	National Institutes Of Health (NIH)	Various	242,000	
93.859	COVID-19 - Biomedical Research And Research Training	Direct	National Institutes Of Health (NIH) Total		242,000	
93.859	COVID-19 - Biomedical Research And Research Training Total				242,000	
93.862	Genetics And Developmental Biology Research And Research Training	Direct	National Institutes Of Health (NIH)	Various	12,263	
93.862	Genetics And Developmental Biology Research And Research Training	Direct	National Institutes Of Health (NIH) Total		12,263	
93.862	Genetics And Developmental Biology Research And Research Training	Pass-through	San Diego Community College District	SUB NONE (GM073590)	4,534	
93.862	Genetics And Developmental Biology Research And Research Training	Pass-through	San Diego Community College District Total		4,534	
93.862	Genetics And Developmental Biology Research And Research Training Total				16,796	
93.865	Child Health And Human Development Extramural Research	Direct	National Institutes Of Health (NIH)	Various	82,263,089	11,775,314

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.865	Child Health And Human Development Extramural Research	Direct	National Institutes of Health (NIH) Total		82,263,089	11,775,314
93.865	Child Health And Human Development Extramural Research	Pass-through	Baylor College Of Medicine	7000000309-2	448,901	
93.865	Child Health And Human Development Extramural Research	Pass-through	Baylor College Of Medicine Total		448,901	
93.865	Child Health And Human Development Extramural Research	Pass-through	Boston Medical Center Corporation	SUB BMC ID 6928 (HD096798)	33,298	
93.865	Child Health And Human Development Extramural Research	Pass-through	Boston Medical Center Corporation Total		33,298	
93.865	Child Health And Human Development Extramural Research	Pass-through	Brown University	00001325-1	65,323	
93.865	Child Health And Human Development Extramural Research	Pass-through	Brown University Total		65,323	
93.865	Child Health And Human Development Extramural Research	Pass-through	Carnegie Mellon University	1090581-420107	152,826	
93.865	Child Health And Human Development Extramural Research	Pass-through	Carnegie Mellon University Total		152,826	
93.865	Child Health And Human Development Extramural Research	Pass-through	Chapman University	500480-SUB1-CYC1	24,351	
93.865	Child Health And Human Development Extramural Research	Pass-through	Chapman University Total		24,351	
93.865	Child Health And Human Development Extramural Research	Pass-through	Child Health & Human Development, National Institute Of	2019-1234	32,103	
93.865	Child Health And Human Development Extramural Research	Pass-through	Child Health & Human Development, National Institute Of Total		32,103	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's Hospital Los Angeles	8011-RGF009152-00-2	294,808	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's Hospital Los Angeles	RGF011226-B	82,761	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's Hospital Los Angeles Total		377,569	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	109528	(1,504)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	138600	1,197	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	139469	(2,880)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's Hospital Medical Center Of Cincinnati	D2617	2,671	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's Hospital Medical Center Of Cincinnati Total		(516)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's Hospital Of Philadelphia	27007-3200880522-3	6,704	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's Hospital Of Philadelphia	27638	501	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's Hospital Of Philadelphia	SUB 3200880522 (HD091185)	2,304	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's Hospital Of Philadelphia Total		9,509	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's National Health System	30002427	9,493	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's National Health System	58309	(1,180)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Children's National Health System Total		8,314	
93.865	Child Health And Human Development Extramural Research	Pass-through	Cincinnati Children's Hospital Medical Center	R61HD100934	115,937	
93.865	Child Health And Human Development Extramural Research	Pass-through	Cincinnati Children's Hospital Medical Center Total		115,937	
93.865	Child Health And Human Development Extramural Research	Pass-through	Clemson University	2118-209-2010914-1	74,689	
93.865	Child Health And Human Development Extramural Research	Pass-through	Clemson University Total		74,689	
93.865	Child Health And Human Development Extramural Research	Pass-through	Colorado State University	R10HD099150	76,216	
93.865	Child Health And Human Development Extramural Research	Pass-through	Colorado State University Total		76,216	
93.865	Child Health And Human Development Extramural Research	Pass-through	Columbia University	2(GG014111)-2	90,225	
93.865	Child Health And Human Development Extramural Research	Pass-through	Columbia University	3(GG010395-06)-3	(2,548)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Columbia University Total		87,677	
93.865	Child Health And Human Development Extramural Research	Pass-through	Cornell University	15101696-03	17,444	
93.865	Child Health And Human Development Extramural Research	Pass-through	Cornell University	17071036-02	20,929	
93.865	Child Health And Human Development Extramural Research	Pass-through	Cornell University	86519-11238	63,370	
93.865	Child Health And Human Development Extramural Research	Pass-through	Cornell University	87702-11249	97,362	
93.865	Child Health And Human Development Extramural Research	Pass-through	Cornell University Total		199,105	
93.865	Child Health And Human Development Extramural Research	Pass-through	Duke University	3021481	121,037	
93.865	Child Health And Human Development Extramural Research	Pass-through	Duke University	3021483	116,812	
93.865	Child Health And Human Development Extramural Research	Pass-through	Duke University	60521	(2,502)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Duke University	A031513	207,457	
93.865	Child Health And Human Development Extramural Research	Pass-through	Duke University	A03-1915	128,093	
93.865	Child Health And Human Development Extramural Research	Pass-through	Duke University	A03-2101	18,618	
93.865	Child Health And Human Development Extramural Research	Pass-through	Duke University	R01HD081044	(23)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Duke University	SUB 235518(HHSN- 2752010000031	(7,755)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Duke University	SUB NONE (HD081044)	(63)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Duke University Total		581,675	
93.865	Child Health And Human Development Extramural Research	Pass-through	Farus, LLC	874F0	(42,243)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Farus, LLC Total		(42,243)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Flint Rehabilitation Devices	211059	69,606	
93.865	Child Health And Human Development Extramural Research	Pass-through	Flint Rehabilitation Devices	78812	2,793	
93.865	Child Health And Human Development Extramural Research	Pass-through	Flint Rehabilitation Devices Total		72,399	
93.865	Child Health And Human Development Extramural Research	Pass-through	Florida International University	800009636-03UG	3,586	
93.865	Child Health And Human Development Extramural Research	Pass-through	Florida International University Total		3,586	
93.865	Child Health And Human Development Extramural Research	Pass-through	Florida State University	R000002800	18,234	
93.865	Child Health And Human Development Extramural Research	Pass-through	Florida State University	R02043-CYC1	164,155	
93.865	Child Health And Human Development Extramural Research	Pass-through	Florida State University	SUB R000002553 (HD089875)	109,575	
93.865	Child Health And Human Development Extramural Research	Pass-through	Florida State University Total		291,965	
93.865	Child Health And Human Development Extramural Research	Pass-through	Georgetown University	412949 GR412948-UCD	57,456	
93.865	Child Health And Human Development Extramural Research	Pass-through	Georgetown University Total		57,456	
93.865	Child Health And Human Development Extramural Research	Pass-through	Georgia Institute Of Technology	RJ381-G2-2	125,057	
93.865	Child Health And Human Development Extramural Research	Pass-through	Georgia Institute Of Technology Total		125,057	
93.865	Child Health And Human Development Extramural Research	Pass-through	Harvard Pilgrim Health Care	AH000583	105,419	
93.865	Child Health And Human Development Extramural Research	Pass-through	Harvard Pilgrim Health Care Total		105,419	
93.865	Child Health And Human Development Extramural Research	Pass-through	Harvard University	114205-1479-5107412	101,555	
93.865	Child Health And Human Development Extramural Research	Pass-through	Harvard University	114205-1486-5096800	76,464	
93.865	Child Health And Human Development Extramural Research	Pass-through	Harvard University	88389	18	
93.865	Child Health And Human Development Extramural Research	Pass-through	Harvard University	SUB 114205-1128- 5096796 AMP (H	469,370	
93.865	Child Health And Human Development Extramural Research	Pass-through	Harvard University	SUB 114205-1130- 5096798 SMARTT	833,280	
93.865	Child Health And Human Development Extramural Research	Pass-through	Harvard University Total		1,480,688	
93.865	Child Health And Human Development Extramural Research	Pass-through	Henry Ford Health System	87645	184,914	
93.865	Child Health And Human Development Extramural Research	Pass-through	Henry Ford Health System Total		184,914	
93.865	Child Health And Human Development Extramural Research	Pass-through	Johns Hopkins University	2002294060	103,806	
93.865	Child Health And Human Development Extramural Research	Pass-through	Johns Hopkins University	2002295012-5	78,471	
93.865	Child Health And Human Development Extramural Research	Pass-through	Johns Hopkins University Total		182,277	
93.865	Child Health And Human Development Extramural Research	Pass-through	Kaiser Foundation Research Institution	A19-2600	216,343	
93.865	Child Health And Human Development Extramural Research	Pass-through	Kaiser Foundation Research Institution	RNG210150-UCD	34,040	
93.865	Child Health And Human Development Extramural Research	Pass-through	Kaiser Foundation Research Institution Total		250,382	
93.865	Child Health And Human Development Extramural Research	Pass-through	Kaiser Permanente Division Of Research	2700-003	365,586	
93.865	Child Health And Human Development Extramural Research	Pass-through	Kaiser Permanente Division Of Research	RKM5209743-UCSF-01	146,855	
93.865	Child Health And Human Development Extramural Research	Pass-through	Kaiser Permanente Division Of Research	RNG210150-UCSF	84,724	
93.865	Child Health And Human Development Extramural Research	Pass-through	Kaiser Permanente Division Of Research Total		597,164	
93.865	Child Health And Human Development Extramural Research	Pass-through	Lundquist Institute For Biomedical Innovation At Harbor-Ucla Medical C	UCLA31227-01	23,509	
93.865	Child Health And Human Development Extramural Research	Pass-through	Lundquist Institute For Biomedical Innovation At Harbor-Ucla Medical C Total		23,509	
93.865	Child Health And Human Development Extramural Research	Pass-through	Magee-Womens Hospital, Research Institute And Foundation	2625 5	(13,694)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Magee-Womens Hospital, Research Institute And Foundation Total		(13,694)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Massachusetts General Hospital	231263	11,241	
93.865	Child Health And Human Development Extramural Research	Pass-through	Massachusetts General Hospital	234643	16,001	
93.865	Child Health And Human Development Extramural Research	Pass-through	Massachusetts General Hospital	SUB 230910 (HD068250)	126,273	
93.865	Child Health And Human Development Extramural Research	Pass-through	Massachusetts General Hospital	SUB 231626 (HD093578)	8,701	
93.865	Child Health And Human Development Extramural Research	Pass-through	Massachusetts General Hospital Total		162,215	
93.865	Child Health And Human Development Extramural Research	Pass-through	Michigan State University	RC106674A	15,467	
93.865	Child Health And Human Development Extramural Research	Pass-through	Michigan State University Total		15,467	
93.865	Child Health And Human Development Extramural Research	Pass-through	Mu-Jhu Care Limited	R01HD080476	41,907	
93.865	Child Health And Human Development Extramural Research	Pass-through	Mu-Jhu Care Limited Total		41,907	
93.865	Child Health And Human Development Extramural Research	Pass-through	National Opinion Research Center	3629-UCLA-02	87,184	
93.865	Child Health And Human Development Extramural Research	Pass-through	National Opinion Research Center Total		87,184	
93.865	Child Health And Human Development Extramural Research	Pass-through	Nationwide Children's Hospital	30002425-05-04	74,131	
93.865	Child Health And Human Development Extramural Research	Pass-through	Nationwide Children's Hospital	30005547-03	44,698	
93.865	Child Health And Human Development Extramural Research	Pass-through	Nationwide Children's Hospital	R01HD091347	64,600	
93.865	Child Health And Human Development Extramural Research	Pass-through	Nationwide Children's Hospital Total		183,429	
93.865	Child Health And Human Development Extramural Research	Pass-through	New York University	19-AO-00-1002957	84,558	
93.865	Child Health And Human Development Extramural Research	Pass-through	New York University Total		84,558	
93.865	Child Health And Human Development Extramural Research	Pass-through	Northeastern University	500421-78053	10,654	
93.865	Child Health And Human Development Extramural Research	Pass-through	Northeastern University Total		10,654	

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.865	Child Health And Human Development Extramural Research	Pass-through	Northshore University Healthsystem Research Inst	EH17-256-S3:1	77,395	
93.865	Child Health And Human Development Extramural Research	Pass-through	Northshore University Healthsystem Research Inst Total		77,395	
93.865	Child Health And Human Development Extramural Research	Pass-through	Northwestern University	60047828UCI	4,648	
93.865	Child Health And Human Development Extramural Research	Pass-through	Northwestern University	60054325 UCSF	349,700	
93.865	Child Health And Human Development Extramural Research	Pass-through	Northwestern University Total		354,348	
93.865	Child Health And Human Development Extramural Research	Pass-through	Ohio State University	R21D092011	12,882	
93.865	Child Health And Human Development Extramural Research	Pass-through	Ohio State University Total		12,882	
93.865	Child Health And Human Development Extramural Research	Pass-through	Oklahoma State University	1-571918-UCSF	14,104	
93.865	Child Health And Human Development Extramural Research	Pass-through	Oklahoma State University Total		14,104	
93.865	Child Health And Human Development Extramural Research	Pass-through	Oregon Health & Science University	1013129 UCLA:1	365,047	
93.865	Child Health And Human Development Extramural Research	Pass-through	Oregon Health & Science University	58707	(2,280)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Oregon Health & Science University	R24HD085927	15,939	
93.865	Child Health And Human Development Extramural Research	Pass-through	Oregon Health & Science University Total		378,706	
93.865	Child Health And Human Development Extramural Research	Pass-through	Patricia Sullivan Consulting	P0515039	295,068	
93.865	Child Health And Human Development Extramural Research	Pass-through	Patricia Sullivan Consulting Total		295,068	
93.865	Child Health And Human Development Extramural Research	Pass-through	Pennsylvania State University	5581-UCI-DHHS-4807-CYC3	29,480	
93.865	Child Health And Human Development Extramural Research	Pass-through	Pennsylvania State University	5970-UCLA-DHHS-0659	74,562	
93.865	Child Health And Human Development Extramural Research	Pass-through	Pennsylvania State University Total		104,042	
93.865	Child Health And Human Development Extramural Research	Pass-through	Rady Children's Hospital-San Diego	SUB 1001 (HD077693)	25,213	
93.865	Child Health And Human Development Extramural Research	Pass-through	Rady Children's Hospital-San Diego Total		25,213	
93.865	Child Health And Human Development Extramural Research	Pass-through	Rand Corporation	9920180101	41,564	
93.865	Child Health And Human Development Extramural Research	Pass-through	Rand Corporation Total		41,564	
93.865	Child Health And Human Development Extramural Research	Pass-through	RTI Health Solutions	SUB NONE (HD054214)	258,093	217,362
93.865	Child Health And Human Development Extramural Research	Pass-through	RTI Health Solutions Total		258,093	217,362
93.865	Child Health And Human Development Extramural Research	Pass-through	RTI International	20163942-02	18,254	
93.865	Child Health And Human Development Extramural Research	Pass-through	RTI International	SUB HD069031 (HD054214)	11,280	
93.865	Child Health And Human Development Extramural Research	Pass-through	RTI International Total		29,534	
93.865	Child Health And Human Development Extramural Research	Pass-through	Seattle Children's Hospital	11305SUB.3	36,345	
93.865	Child Health And Human Development Extramural Research	Pass-through	Seattle Children's Hospital	11625SUB.2	245,684	
93.865	Child Health And Human Development Extramural Research	Pass-through	Seattle Children's Hospital Total		282,029	
93.865	Child Health And Human Development Extramural Research	Pass-through	Sharp Healthcare Foundation	87868	(9,324)	
93.865	Child Health And Human Development Extramural Research	Pass-through	Sharp Healthcare Foundation	R01HD096023	17,835	
93.865	Child Health And Human Development Extramural Research	Pass-through	Sharp Healthcare Foundation Total		8,511	
93.865	Child Health And Human Development Extramural Research	Pass-through	Stanford University	01HD094634	166,775	
93.865	Child Health And Human Development Extramural Research	Pass-through	Stanford University	61245596-117723	13,388	
93.865	Child Health And Human Development Extramural Research	Pass-through	Stanford University	61269607-120188	313,660	
93.865	Child Health And Human Development Extramural Research	Pass-through	Stanford University	61296908-120188	90,457	
93.865	Child Health And Human Development Extramural Research	Pass-through	Stanford University	61704698-122525	167,944	
93.865	Child Health And Human Development Extramural Research	Pass-through	Stanford University	61764715-116231	10,154	
93.865	Child Health And Human Development Extramural Research	Pass-through	Stanford University	61780773-117723	104,813	
93.865	Child Health And Human Development Extramural Research	Pass-through	Stanford University	A16-0544-005	53,736	
93.865	Child Health And Human Development Extramural Research	Pass-through	Stanford University Total		\$20,927	
93.865	Child Health And Human Development Extramural Research	Pass-through	Stellenbosch University	8729D	103,885	
93.865	Child Health And Human Development Extramural Research	Pass-through	Stellenbosch University	S004190 / 55811	57,015	
93.865	Child Health And Human Development Extramural Research	Pass-through	Stellenbosch University Total		160,900	
93.865	Child Health And Human Development Extramural Research	Pass-through	The Gaia Medical Institute LLC	SUB NONE (HD097039)	15,665	
93.865	Child Health And Human Development Extramural Research	Pass-through	The Gaia Medical Institute LLC Total		15,665	
93.865	Child Health And Human Development Extramural Research	Pass-through	The University Of Alabama At Birmingham	000517653-001-CYC1	4,138	
93.865	Child Health And Human Development Extramural Research	Pass-through	The University Of Alabama At Birmingham	SUB 000504713-012 (HD061222)	8,687	
93.865	Child Health And Human Development Extramural Research	Pass-through	The University Of Alabama At Birmingham Total		12,825	
93.865	Child Health And Human Development Extramural Research	Pass-through	Theranostec Inc.	A19-2859	26,930	
93.865	Child Health And Human Development Extramural Research	Pass-through	Theranostec Inc. Total		26,930	
93.865	Child Health And Human Development Extramural Research	Pass-through	Tulane University	SUB TUL-HSC-553718-15/16 (HD05	26,834	
93.865	Child Health And Human Development Extramural Research	Pass-through	Tulane University	TUL-HSC-556628-18/19	41,202	
93.865	Child Health And Human Development Extramural Research	Pass-through	Tulane University Total		68,036	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Arizona	356680	282,905	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Arizona Total		282,905	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Chicago	FP036878-03-CYC7	9,077	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Chicago Total		9,077	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Connecticut	KFSW 5652280	58,619	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Connecticut Total		58,619	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Georgia	A20-0146-001	137,454	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Georgia Total		137,454	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Illinois At Urbana-Champaign	092492-17165	90,475	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Illinois At Urbana-Champaign Total		90,475	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Kansas Medical Center Research Institute, Inc.	SUB PO100094164 (HD093933)	12,804	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Kansas Medical Center Research Institute, Inc.	SUB ZAD000B0 (HD093933)	1,066	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Kansas Medical Center Research Institute, Inc. Total		13,871	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Kansas/KU Center For Research, Inc.	ZAC000B0	28,570	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Kansas/KU Center For Research, Inc. Total		28,570	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Kentucky/University Of Kentucky Research Foundation	3048112505-19-271-CYC1	77,656	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Kentucky/University Of Kentucky Research Foundation Total		77,656	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Maryland	67817-Z0195201-CYC1	6,149	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Maryland Total		6,149	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Michigan	R01HD085233	66,707	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Michigan	SUBK00010145	13,320	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Michigan Total		80,027	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Minnesota	HD06124302	7,213	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Minnesota Total		7,213	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Missouri	C00069012-6	127,554	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Missouri Total		127,554	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Nevada, Reno	011591	14,834	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Nevada, Reno Total		14,834	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of North Carolina At Chapel Hill	5105863-2	32,464	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of North Carolina At Chapel Hill	5109045-2	35,249	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of North Carolina At Chapel Hill	5112245	22,786	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of North Carolina At Chapel Hill	5113154	39,329	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of North Carolina At Chapel Hill	5114011 (31)		
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of North Carolina At Chapel Hill	5114030	21,263	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of North Carolina At Chapel Hill	5114045	22,945	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of North Carolina At Chapel Hill	58355	(546)	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of North Carolina At Chapel Hill	8766D	24,705	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of North Carolina At Chapel Hill	SUB 5109010 (HD089880)	22,849	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of North Carolina At Chapel Hill Total		221,013	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Oklahoma	B3349	846	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Oklahoma Total		846	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Pennsylvania	572609	15,040	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Pennsylvania Total		15,040	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Pittsburgh	0048860 (126873-15)-CYC1	90,070	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Pittsburgh	59286	(119,584)	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Pittsburgh Total		(29,514)	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Southern California	009264	28,994	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Southern California	123005892	4,707	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Southern California	60664307-1	74,126	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Southern California	87892310-CYC3	91,679	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Southern California Total		199,506	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Tennessee	008591	83,606	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Tennessee Total		83,606	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Texas-Southwestern Medical Center At Dallas	006993	(112,425)	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Texas-Southwestern Medical Center At Dallas	008621	334,886	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Texas-Southwestern Medical Center At Dallas	APGMO 171010	362,986	

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Texas-Southwestern Medical Center At Dallas	SUB GMO 190904(HD094395)	5,455	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Texas-Southwestern Medical Center At Dallas Total		590,903	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Utah	10036671-01	19,868	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Utah	10051369-05	18,003	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Utah	18-25914	3,992	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Utah	B6060	14,598	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Utah	D2460	1,786	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Utah Total		58,248	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Virginia	R01HD087413	3,370	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Virginia Total		3,370	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Washington	78055	222	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Washington	UWSC11330	49,846	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Washington	UWSC11667	6,244	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Washington	UWSC9985	9,864	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Washington Total		66,178	
93.865	Child Health And Human Development Extramural Research	Pass-through	Vanderbilt University Medical Center	VUMC 58697	21,112	
93.865	Child Health And Human Development Extramural Research	Pass-through	Vanderbilt University Medical Center Total		21,112	
93.865	Child Health And Human Development Extramural Research	Pass-through	Westat	6579-S45	155,119	
93.865	Child Health And Human Development Extramural Research	Pass-through	Westat Total		155,119	
93.865	Child Health And Human Development Extramural Research	Pass-through	Yale University	B6791	2,067	
93.865	Child Health And Human Development Extramural Research	Pass-through	Yale University	GK000090 (CON- 80000365)	77,293	
93.865	Child Health And Human Development Extramural Research	Pass-through	Yale University	GR101949 (CON- 80001116)	2,155	
93.865	Child Health And Human Development Extramural Research	Pass-through	Yale University Total		81,516	
93.865	Child Health And Human Development Extramural Research	Pass-through	Yeshiva University	310897-5	53,041	
93.865	Child Health And Human Development Extramural Research	Pass-through	Yeshiva University Total		53,041	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Colorado System	14-036-002-7	(237)	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Colorado System Total		(237)	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Notre Dame	203344UCD	59,891	
93.865	Child Health And Human Development Extramural Research	Pass-through	University Of Notre Dame Total		59,891	
93.865	Child Health And Human Development Extramural Research	Pass-through	Loma Linda University	011464	24,515	
93.865	Child Health And Human Development Extramural Research	Pass-through	Loma Linda University Total		24,515	
93.865	Child Health And Human Development Extramural Research Total				94,079,682	11,992,675
93.865	COVID-19 - Child Health And Human Development Extramural Research	Direct	National Institutes Of Health (NIH)	Various	229,699	
93.865	COVID-19 - Child Health And Human Development Extramural Research	Direct	National Institutes Of Health (NIH) Total		229,699	
93.865	COVID-19 - Child Health And Human Development Extramural Research Total				229,699	
93.866	Aging Research	Direct	Department Of Energy (DOE)	Various	73,717	
93.866	Aging Research	Direct	Department Of Energy (DOE) Total		73,717	
93.866	Aging Research	Direct	National Institutes Of Health (NIH)	Various	187,838,041	33,982,841
93.866	Aging Research	Direct	National Institutes Of Health (NIH) Total		187,838,041	33,982,841
93.866	Aging Research	Pass-through	Afascl, Inc.	201700586	26,943	
93.866	Aging Research	Pass-through	Afascl, Inc. Total		26,943	
93.866	Aging Research	Pass-through	Amydis Diagnostics	20190908(AG057421)	51,588	
93.866	Aging Research	Pass-through	Amydis Diagnostics Total		51,588	
93.866	Aging Research	Pass-through	Banner Health	0435-06-102815	21,354	
93.866	Aging Research	Pass-through	Banner Health Total		21,354	
93.866	Aging Research	Pass-through	Boston University	4500001840	213,563	
93.866	Aging Research	Pass-through	Boston University	4500002826	64,855	
93.866	Aging Research	Pass-through	Boston University	4500003052	66,398	
93.866	Aging Research	Pass-through	Boston University	C1742	(1,002)	
93.866	Aging Research	Pass-through	Boston University Total		343,815	
93.866	Aging Research	Pass-through	Brigham And Women's Hospital	111014-10	89,043	
93.866	Aging Research	Pass-through	Brigham And Women's Hospital	81605	(368)	
93.866	Aging Research	Pass-through	Brigham And Women's Hospital	8784E	8,465	
93.866	Aging Research	Pass-through	Brigham And Women's Hospital	87CFG	58,110	
93.866	Aging Research	Pass-through	Brigham And Women's Hospital Total		155,250	
93.866	Aging Research	Pass-through	Brown University	00000843	61,638	
93.866	Aging Research	Pass-through	Brown University	00001374	20,985	
93.866	Aging Research	Pass-through	Brown University	00001388	13,211	
93.866	Aging Research	Pass-through	Brown University	R01AG051170	51,371	
93.866	Aging Research	Pass-through	Brown University Total		147,205	
93.866	Aging Research	Pass-through	Buck Institute For Research On Aging	SA20026-UC	62,477	
93.866	Aging Research	Pass-through	Buck Institute For Research On Aging Total		62,477	
93.866	Aging Research	Pass-through	California Pacific Medical Center Research Institute	280201009-S200	134,535	
93.866	Aging Research	Pass-through	California Pacific Medical Center Research Institute	280201015-S215	11,944	
93.866	Aging Research	Pass-through	California Pacific Medical Center Research Institute	280201019-S236	805,096	
93.866	Aging Research	Pass-through	California Pacific Medical Center Research Institute	U19AG023122	396,844	
93.866	Aging Research	Pass-through	California Pacific Medical Center Research Institute Total		1,348,418	
93.866	Aging Research	Pass-through	Chapman University	2018-UCSB-AG054442	297,785	
93.866	Aging Research	Pass-through	Chapman University Total		297,785	
93.866	Aging Research	Pass-through	Columbia University	1(GG010471-12)-CYC1	1,235,775	
93.866	Aging Research	Pass-through	Columbia University	1(GG013379)	43,305	
93.866	Aging Research	Pass-through	Columbia University	1(GG013394-01)	211,240	118,216
93.866	Aging Research	Pass-through	Columbia University	1(GG014281-01)	17,523	
93.866	Aging Research	Pass-through	Columbia University	1(GG014297-01)	333,127	
93.866	Aging Research	Pass-through	Columbia University	2(GG010471-14)	300,034	
93.866	Aging Research	Pass-through	Columbia University	3(GG012904-01)	40,635	
93.866	Aging Research	Pass-through	Columbia University Total		2,181,639	118,216
93.866	Aging Research	Pass-through	Cornell University	1902515	5,739	
93.866	Aging Research	Pass-through	Cornell University Total		5,739	
93.866	Aging Research	Pass-through	Depaul University	501436SG168	10,498	
93.866	Aging Research	Pass-through	Depaul University Total		10,498	
93.866	Aging Research	Pass-through	Drexel University	R01AG061116	149,428	
93.866	Aging Research	Pass-through	Drexel University Total		149,428	
93.866	Aging Research	Pass-through	Duke University	89BB4	119,465	
93.866	Aging Research	Pass-through	Duke University	A03-1236	33,284	
93.866	Aging Research	Pass-through	Duke University	A032694	49,706	
93.866	Aging Research	Pass-through	Duke University	A032881	29,863	
93.866	Aging Research	Pass-through	Duke University	SUB A032687(AG063744)	2,221	
93.866	Aging Research	Pass-through	Duke University	SUB A032692 (AG063744)	313,935	
93.866	Aging Research	Pass-through	Duke University	SUB A032880 (AG058942)	41,271	
93.866	Aging Research	Pass-through	Duke University Total		589,745	
93.866	Aging Research	Pass-through	Elimu Informatics, Inc.	SUB 37 (AG058357)	9,273	
93.866	Aging Research	Pass-through	Elimu Informatics, Inc. Total		9,273	
93.866	Aging Research	Pass-through	Emory University	010866	39,920	
93.866	Aging Research	Pass-through	Emory University	A148843-7	199,780	
93.866	Aging Research	Pass-through	Emory University	A229605	42,441	
93.866	Aging Research	Pass-through	Emory University	A246084	1,464	
93.866	Aging Research	Pass-through	Emory University Total		283,605	
93.866	Aging Research	Pass-through	Florida State University	R02075	453,826	
93.866	Aging Research	Pass-through	Florida State University Total		453,826	
93.866	Aging Research	Pass-through	Fred Hutchinson Cancer Research Center	871G9	(20,027)	
93.866	Aging Research	Pass-through	Fred Hutchinson Cancer Research Center	SUB 0000940803 (AG046209)	99,720	
93.866	Aging Research	Pass-through	Fred Hutchinson Cancer Research Center Total		79,693	
93.866	Aging Research	Pass-through	Gladstone Institutes	R2468-A	254,249	
93.866	Aging Research	Pass-through	Gladstone Institutes	R2485-A	143,456	
93.866	Aging Research	Pass-through	Gladstone Institutes	R2485-B	43,190	
93.866	Aging Research	Pass-through	Gladstone Institutes	R2628-A	171,835	

University of California
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Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.866	Aging Research	Pass-through	Gladstone Institutes	SUB SC-00004 (AG064926)	53,067	
93.866	Aging Research	Pass-through	Gladstone Institutes Total		665,798	
93.866	Aging Research	Pass-through	Harvard University	116360-5100251- PROJECT 1	22,508	
93.866	Aging Research	Pass-through	Harvard University	116362-5111695	118,589	
93.866	Aging Research	Pass-through	Harvard University	116546-5061518.8	116,137	
93.866	Aging Research	Pass-through	Harvard University Total		257,234	
93.866	Aging Research	Pass-through	Hebrew SeniorLife Inc.	10.10.91561	16,539	
93.866	Aging Research	Pass-through	Hebrew SeniorLife Inc.	91511	50,983	
93.866	Aging Research	Pass-through	Hebrew SeniorLife Inc. Total		67,522	
93.866	Aging Research	Pass-through	Huntington Medical Research Institutes	2776	21,432	
93.866	Aging Research	Pass-through	Huntington Medical Research Institutes Total		21,432	
93.866	Aging Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-1211-4609	2,948	
93.866	Aging Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-B451-4609	167,447	
93.866	Aging Research	Pass-through	Icahn School Of Medicine At Mount Sinai	SUB 0255-C701-4609 (AG055824)	330,029	
93.866	Aging Research	Pass-through	Icahn School Of Medicine At Mount Sinai Total		500,424	
93.866	Aging Research	Pass-through	Indiana University	8212 UCSF	170,333	
93.866	Aging Research	Pass-through	Indiana University	IN-4683237-UCLA.1	6,759	
93.866	Aging Research	Pass-through	Indiana University	IN4683237UCSF	366,200	
93.866	Aging Research	Pass-through	Indiana University	IN-4683237-UCSF	60,244	
93.866	Aging Research	Pass-through	Indiana University Total		603,537	
93.866	Aging Research	Pass-through	Institute Of Cognitive And Translational Neuroscience	1002	49,058	
93.866	Aging Research	Pass-through	Institute Of Cognitive And Translational Neuroscience Total		49,058	
93.866	Aging Research	Pass-through	Johns Hopkins University	2004171429.1	346,199	
93.866	Aging Research	Pass-through	Johns Hopkins University Total		346,199	
93.866	Aging Research	Pass-through	Kaiser Foundation Health Plan Of Washington	871FB	111,707	
93.866	Aging Research	Pass-through	Kaiser Foundation Health Plan Of Washington Total		111,707	
93.866	Aging Research	Pass-through	Kaiser Foundation Research Institution	201701033	(1,360)	
93.866	Aging Research	Pass-through	Kaiser Foundation Research Institution	77334	(129,213)	
93.866	Aging Research	Pass-through	Kaiser Foundation Research Institution Total		(130,573)	
93.866	Aging Research	Pass-through	Kaiser Permanente Division Of Research	71B61	(11,099)	
93.866	Aging Research	Pass-through	Kaiser Permanente Division Of Research	D2053	11,770	
93.866	Aging Research	Pass-through	Kaiser Permanente Division Of Research	R01AG066132	33,849	
93.866	Aging Research	Pass-through	Kaiser Permanente Division Of Research	RMG200560-02UCSF	522	
93.866	Aging Research	Pass-through	Kaiser Permanente Division Of Research	RMG210270-UCLA	12,932	
93.866	Aging Research	Pass-through	Kaiser Permanente Division Of Research	RMG210270-UCSF	1,448	
93.866	Aging Research	Pass-through	Kaiser Permanente Division Of Research Total		49,423	
93.866	Aging Research	Pass-through	Keck Graduate Institute Of Applied Life Sciences	GR750005UCI-CYC1	36,836	
93.866	Aging Research	Pass-through	Keck Graduate Institute Of Applied Life Sciences Total		36,836	
93.866	Aging Research	Pass-through	Magee-Womens Hospital, Research Institute And Foundation	5246 UCSF	172,368	
93.866	Aging Research	Pass-through	Magee-Womens Hospital, Research Institute And Foundation	5246-CYC4	71,183	
93.866	Aging Research	Pass-through	Magee-Womens Hospital, Research Institute And Foundation Total		243,551	
93.866	Aging Research	Pass-through	Mandalmc, Inc.	A128262	151,030	
93.866	Aging Research	Pass-through	Mandalmc, Inc. Total		151,030	
93.866	Aging Research	Pass-through	Massachusetts General Hospital	235290	50,625	
93.866	Aging Research	Pass-through	Massachusetts General Hospital	87C10	155,793	
93.866	Aging Research	Pass-through	Massachusetts General Hospital Total		206,418	
93.866	Aging Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	CSF-234899-02	114,928	
93.866	Aging Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	FOR-263134	1,434,743	
93.866	Aging Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	LAC-263134	29,895	
93.866	Aging Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research	UOC-194007-02	67,543	
93.866	Aging Research	Pass-through	Mayo Clinic/Mayo Foundation For Medical Education & Research Total		1,647,109	
93.866	Aging Research	Pass-through	Modulated Imaging, Inc.	MI-205626	42,402	
93.866	Aging Research	Pass-through	Modulated Imaging, Inc. Total		42,402	
93.866	Aging Research	Pass-through	Neurofit	SUB 20193794 (AG066427)	9,275	
93.866	Aging Research	Pass-through	Neurofit Total		9,275	
93.866	Aging Research	Pass-through	Northern California Institute For Research And Education, Inc	STE2196-05	22,573	
93.866	Aging Research	Pass-through	Northern California Institute For Research And Education, Inc	U19AG024904	160,003	
93.866	Aging Research	Pass-through	Northern California Institute For Research And Education, Inc	WEI2015-02	140,852	
93.866	Aging Research	Pass-through	Northern California Institute For Research And Education, Inc	WEI2015-07	428,358	
93.866	Aging Research	Pass-through	Northern California Institute For Research And Education, Inc	WEI2015-18	201,647	
93.866	Aging Research	Pass-through	Northern California Institute For Research And Education, Inc Total		953,432	
93.866	Aging Research	Pass-through	Northwestern University	60047861UCSF	29,646	
93.866	Aging Research	Pass-through	Northwestern University	60047943 UCLA.02	16,282	
93.866	Aging Research	Pass-through	Northwestern University	60050621 UCSF	253,375	
93.866	Aging Research	Pass-through	Northwestern University	87A01	202,881	
93.866	Aging Research	Pass-through	Northwestern University	SUB 60051680 UCSD (AG060426)	44,178	
93.866	Aging Research	Pass-through	Northwestern University Total		808,362	
93.866	Aging Research	Pass-through	Ohio State University	60051415(AG050725)	24,005	
93.866	Aging Research	Pass-through	Ohio State University Total		24,005	
93.866	Aging Research	Pass-through	Pacific Health Research And Education Institute	21704-03-CYC2	204,460	
93.866	Aging Research	Pass-through	Pacific Health Research And Education Institute	SUB 21603-02 (AG053983)	49,165	
93.866	Aging Research	Pass-through	Pacific Health Research And Education Institute	SUB 21704-02 (AG056499)	152,220	
93.866	Aging Research	Pass-through	Pacific Health Research And Education Institute Total		405,845	
93.866	Aging Research	Pass-through	Palo Alto Veterans Institute For Research, Inc.	CUA0003-03	19,162	
93.866	Aging Research	Pass-through	Palo Alto Veterans Institute For Research, Inc.	R01AG060726	300,923	
93.866	Aging Research	Pass-through	Palo Alto Veterans Institute For Research, Inc. Total		320,085	
93.866	Aging Research	Pass-through	Pennsylvania State University	5812-UCI-UWM-K562	1,926	
93.866	Aging Research	Pass-through	Pennsylvania State University	929-UCM-NIA-2167	22,021	
93.866	Aging Research	Pass-through	Pennsylvania State University	R21AG062931	4,599	
93.866	Aging Research	Pass-through	Pennsylvania State University Total		28,545	
93.866	Aging Research	Pass-through	People Power Company	045076	606,086	
93.866	Aging Research	Pass-through	People Power Company Total		606,086	
93.866	Aging Research	Pass-through	Rand Corporation	9920180005.02	7,701	
93.866	Aging Research	Pass-through	Rand Corporation	9920190023-CYC1	7,862	
93.866	Aging Research	Pass-through	Rand Corporation Total		15,563	
93.866	Aging Research	Pass-through	Rendever	SB200061	41,714	
93.866	Aging Research	Pass-through	Rendever Total		41,714	
93.866	Aging Research	Pass-through	Rensselaer Polytechnic Institute	A20-0021-S001	161,763	
93.866	Aging Research	Pass-through	Rensselaer Polytechnic Institute Total		161,763	
93.866	Aging Research	Pass-through	Research Foundation For State University Of New York, The	010663	25,913	
93.866	Aging Research	Pass-through	Research Foundation For State University Of New York, The Total		25,913	
93.866	Aging Research	Pass-through	Rutgers, The State University Of New Jersey	0460	69,837	
93.866	Aging Research	Pass-through	Rutgers, The State University Of New Jersey	A134969	1,218	
93.866	Aging Research	Pass-through	Rutgers, The State University Of New Jersey Total		71,055	
93.866	Aging Research	Pass-through	Salk Institute For Biological Studies	SUB P1019113 (AG062232)	31,916	
93.866	Aging Research	Pass-through	Salk Institute For Biological Studies	SUB P1057613 (AG064049)	23,555	
93.866	Aging Research	Pass-through	Salk Institute For Biological Studies Total		55,472	
93.866	Aging Research	Pass-through	Scripps Research Institute (Florida)	86878	(34,236)	
93.866	Aging Research	Pass-through	Scripps Research Institute (Florida) Total		(34,236)	
93.866	Aging Research	Pass-through	Spinoenix, Inc.	SI-209411-CYC2	19,057	
93.866	Aging Research	Pass-through	Spinoenix, Inc. Total		19,057	
93.866	Aging Research	Pass-through	SRI International	PO35208	197,161	
93.866	Aging Research	Pass-through	SRI International Total		197,161	
93.866	Aging Research	Pass-through	Stanford University	61624544-45510	102,238	
93.866	Aging Research	Pass-through	Stanford University	61626840-127916-CYC2	115,354	
93.866	Aging Research	Pass-through	Stanford University	89659	2,526	
93.866	Aging Research	Pass-through	Stanford University	SUB: 61626841-127916 (AG057707)	100,368	

University of California
Schedule of Expenditures of Federal Awards

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Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.866	Aging Research	Pass-through	Stanford University Total		320,486	
93.866	Aging Research	Pass-through	State University Of New York	SUB 1157497 - 86373	87,065	
93.866	Aging Research	Pass-through	State University Of New York Total	(AG0649550)	87,065	
93.866	Aging Research	Pass-through	Sutter Bay Hospitals	SUB 280201023-S258	6,363	
93.866	Aging Research	Pass-through	Sutter Bay Hospitals Total	(AG061085)	6,363	
93.866	Aging Research	Pass-through	Sutter West Bay Hospitals	007915	93,559	
93.866	Aging Research	Pass-through	Sutter West Bay Hospitals	010412	96,338	
93.866	Aging Research	Pass-through	Sutter West Bay Hospitals	280201015-S216	159,397	
93.866	Aging Research	Pass-through	Sutter West Bay Hospitals Total		349,294	
93.866	Aging Research	Pass-through	University Of Arizona	310311	396,134	
93.866	Aging Research	Pass-through	University Of Arizona Total		396,134	
93.866	Aging Research	Pass-through	University Of Central Florida	R01AG054621	27,843	
93.866	Aging Research	Pass-through	University Of Central Florida Total		27,843	
93.866	Aging Research	Pass-through	University Of Chicago	FP0567154R37AG033590	16,501	
93.866	Aging Research	Pass-through	University Of Chicago	FP056715-C-4	63,154	
93.866	Aging Research	Pass-through	University Of Chicago Total		79,655	
93.866	Aging Research	Pass-through	University Of Colorado Colorado Springs	FY20.001.017	184,994	
93.866	Aging Research	Pass-through	University Of Colorado Colorado Springs Total		184,994	
93.866	Aging Research	Pass-through	University Of Colorado Denver	FY18.792.002	26,999	
93.866	Aging Research	Pass-through	University Of Colorado Denver	FY19.572.002-CYC1	184,121	
93.866	Aging Research	Pass-through	University Of Colorado Denver	SUB FY19.930.003		
93.866	Aging Research	Pass-through	University Of Colorado Denver	(AG05913)	205,468	
93.866	Aging Research	Pass-through	University Of Colorado Denver Total		416,588	
93.866	Aging Research	Pass-through	University Of Florida	87C5G	24,306	
93.866	Aging Research	Pass-through	University Of Florida Total		24,306	
93.866	Aging Research	Pass-through	University Of Maryland	1903395 REQUEST: 2412	364,501	
93.866	Aging Research	Pass-through	University Of Maryland Total		364,501	
93.866	Aging Research	Pass-through	University Of Miami	8791A	(62)	
93.866	Aging Research	Pass-through	University Of Miami	SPC-000392	(169,633)	
93.866	Aging Research	Pass-through	University Of Miami Total		(169,695)	
93.866	Aging Research	Pass-through	University Of Michigan	3003282032	16,641	
93.866	Aging Research	Pass-through	University Of Michigan	5R03AG060073-02	3,549	
93.866	Aging Research	Pass-through	University Of Michigan	R01AG056407	21,285	
93.866	Aging Research	Pass-through	University Of Michigan	SUBK00003638	47,730	
93.866	Aging Research	Pass-through	University Of Michigan	U01AG017719	6,313	
93.866	Aging Research	Pass-through	University Of Michigan Total		95,517	
93.866	Aging Research	Pass-through	University Of North Texas	875G8	66,771	
93.866	Aging Research	Pass-through	University Of North Texas	8782A	148,318	
93.866	Aging Research	Pass-through	University Of North Texas	87AG4	145,057	
93.866	Aging Research	Pass-through	University Of North Texas	RF00105-2018-0317	26,652	
93.866	Aging Research	Pass-through	University Of North Texas	SUB RF00032-2019-0101		
93.866	Aging Research	Pass-through	University Of North Texas	(AG05853)	153,337	
93.866	Aging Research	Pass-through	University Of North Texas Total		540,136	
93.866	Aging Research	Pass-through	University Of Pennsylvania	571660	563,453	
93.866	Aging Research	Pass-through	University Of Pennsylvania	SUB 576372 (AG061173)	407,385	37,287
93.866	Aging Research	Pass-through	University Of Pennsylvania Total		970,838	37,287
93.866	Aging Research	Pass-through	University Of Pittsburgh	0046842 (126362-2):4	157,757	
93.866	Aging Research	Pass-through	University Of Pittsburgh	CNVAA00047610 (132509-1)	3,664	
93.866	Aging Research	Pass-through	University Of Pittsburgh	CNVAA00050794 (128001-2):3	125,124	
93.866	Aging Research	Pass-through	University Of Pittsburgh Total		286,545	
93.866	Aging Research	Pass-through	University Of South Florida	1253-1118-00-A	263,139	
93.866	Aging Research	Pass-through	University Of South Florida	6118-1082-00-C	144,948	
93.866	Aging Research	Pass-through	University Of South Florida Total		408,086	
93.866	Aging Research	Pass-through	University Of Southern California	010210	67,419	
93.866	Aging Research	Pass-through	University Of Southern California	010298	41,849	
93.866	Aging Research	Pass-through	University Of Southern California	103118915:1	372,495	
93.866	Aging Research	Pass-through	University Of Southern California	105741448	105,416	
93.866	Aging Research	Pass-through	University Of Southern California	105751256	243,914	
93.866	Aging Research	Pass-through	University Of Southern California	105826736	34,864	
93.866	Aging Research	Pass-through	University Of Southern California	106132015	162,242	
93.866	Aging Research	Pass-through	University Of Southern California	107784754	63,555	
93.866	Aging Research	Pass-through	University Of Southern California	107897015	75,462	
93.866	Aging Research	Pass-through	University Of Southern California	109150990-CYC2	(10,021)	
93.866	Aging Research	Pass-through	University Of Southern California	110869109-CYC2	92,582	
93.866	Aging Research	Pass-through	University Of Southern California	117147219	35,772	
93.866	Aging Research	Pass-through	University Of Southern California	117340131-CYC1	71,403	
93.866	Aging Research	Pass-through	University Of Southern California	120119676	20,464	
93.866	Aging Research	Pass-through	University Of Southern California	124448434	53,024	
93.866	Aging Research	Pass-through	University Of Southern California	125547898	13,859	
93.866	Aging Research	Pass-through	University Of Southern California	129612812	13,568	
93.866	Aging Research	Pass-through	University Of Southern California	54096768:5	19,211	
93.866	Aging Research	Pass-through	University Of Southern California	6491159610422190-CYC4	15,229	
93.866	Aging Research	Pass-through	University Of Southern California	75684673-CYC2	23,188	
93.866	Aging Research	Pass-through	University Of Southern California	75691348/A4 NIH	13,887	
93.866	Aging Research	Pass-through	University Of Southern California	75696718	3,208	
93.866	Aging Research	Pass-through	University Of Southern California	78389953:4	9,502	
93.866	Aging Research	Pass-through	University Of Southern California	79633074:02	55,322	
93.866	Aging Research	Pass-through	University Of Southern California	79685690	99,682	
93.866	Aging Research	Pass-through	University Of Southern California	80108370:4	165,256	
93.866	Aging Research	Pass-through	University Of Southern California	81720	10	
93.866	Aging Research	Pass-through	University Of Southern California	86757	(207)	
93.866	Aging Research	Pass-through	University Of Southern California	87544370-CYC2	129,983	
93.866	Aging Research	Pass-through	University Of Southern California	87B61	86,006	
93.866	Aging Research	Pass-through	University Of Southern California	96456291:1	24,343	
93.866	Aging Research	Pass-through	University Of Southern California	SUB		
93.866	Aging Research	Pass-through	University Of Southern California	103366912(AG047992)	22,776	
93.866	Aging Research	Pass-through	University Of Southern California	SUB		
93.866	Aging Research	Pass-through	University Of Southern California	107080396(AG055367)	180,536	47,460
93.866	Aging Research	Pass-through	University Of Southern California	SUB 109161761		
93.866	Aging Research	Pass-through	University Of Southern California	(AG059329)	14,834	
93.866	Aging Research	Pass-through	University Of Southern California	SUB 119546407		
93.866	Aging Research	Pass-through	University Of Southern California	(AG049750)	105,316	
93.866	Aging Research	Pass-through	University Of Southern California	SUB 79634313 (WEI2015-01)	16,636	
93.866	Aging Research	Pass-through	University Of Southern California	U24AG057437	192,018	
93.866	Aging Research	Pass-through	University Of Southern California	Various	38,486	
93.866	Aging Research	Pass-through	University Of Southern California Total		2,673,089	47,460
93.866	Aging Research	Pass-through	University Of Texas Health Science Center At San Antonio	R01AG054076	332,087	
93.866	Aging Research	Pass-through	University Of Texas Health Science Center At San Antonio Total		332,087	
93.866	Aging Research	Pass-through	University Of Texas Medical Branch At Galveston	19-84765-02	26,259	
93.866	Aging Research	Pass-through	University Of Texas Medical Branch At Galveston Total		26,259	
93.866	Aging Research	Pass-through	University Of Texas System	18-018.2	60,308	
93.866	Aging Research	Pass-through	University Of Texas System Total		60,308	
93.866	Aging Research	Pass-through	University Of Texas-Austin	UTA16-000684	32,958	
93.866	Aging Research	Pass-through	University Of Texas-Austin Total		32,958	
93.866	Aging Research	Pass-through	University Of Toronto	UOFT-209025	2,045	
93.866	Aging Research	Pass-through	University Of Toronto Total		2,045	
93.866	Aging Research	Pass-through	University Of Utah	75B08	196	
93.866	Aging Research	Pass-through	University Of Utah Total		196	
93.866	Aging Research	Pass-through	University Of Vermont	87BE6	(301)	
93.866	Aging Research	Pass-through	University Of Vermont Total		(301)	
93.866	Aging Research	Pass-through	University Of Washington	762200	25,634	
93.866	Aging Research	Pass-through	University Of Washington	88711	45,459	
93.866	Aging Research	Pass-through	University Of Washington	R56AG058543	59,864	

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Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.866	Aging Research	Pass-through	University Of Washington	SUB UWSC10150		
93.866	Aging Research	Pass-through	University Of Washington	(AG056711)	76,615	
93.866	Aging Research	Pass-through	University Of Washington	UWSC10655	88,611	
93.866	Aging Research	Pass-through	University Of Washington	UWSC7732-CYC6	25,274	
93.866	Aging Research	Pass-through	University Of Washington	UWSC9789	21,879	
93.866	Aging Research	Pass-through	University Of Washington Total		343,537	
93.866	Aging Research	Pass-through	University Of Wisconsin-Madison	000000104	110,384	
93.866	Aging Research	Pass-through	University Of Wisconsin-Madison	000000105	48,114	
93.866	Aging Research	Pass-through	University Of Wisconsin-Madison	000000106	798,208	
93.866	Aging Research	Pass-through	University Of Wisconsin-Madison	0000000275	29,149	
93.866	Aging Research	Pass-through	University Of Wisconsin-Madison	011439	89,592	
93.866	Aging Research	Pass-through	University Of Wisconsin-Madison	674K660	26,843	
93.866	Aging Research	Pass-through	University Of Wisconsin-Madison	708K363.3	133,559	
93.866	Aging Research	Pass-through	University Of Wisconsin-Madison	808K012.2	37,848	
93.866	Aging Research	Pass-through	University Of Wisconsin-Madison	SUB 793K041 (AG057784)	73,847	
93.866	Aging Research	Pass-through	University Of Wisconsin-Madison Total		1,347,544	
93.866	Aging Research	Pass-through	Veterans Medical Research Foundation Of San Diego	88121	571	
93.866	Aging Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA IX (AG053325)	22,815	
93.866	Aging Research	Pass-through	Veterans Medical Research Foundation Of San Diego	VPA VALLON 323314	11,944	
93.866	Aging Research	Pass-through	Veterans Medical Research Foundation Of San Diego Total		35,330	
93.866	Aging Research	Pass-through	Virginia Commonwealth University	81014	1,178	
93.866	Aging Research	Pass-through	Virginia Commonwealth University Total		1,178	
93.866	Aging Research	Pass-through	Vivreon Biosciences, LLC	VB-5573078	92,665	
93.866	Aging Research	Pass-through	Vivreon Biosciences, LLC Total		92,665	
93.866	Aging Research	Pass-through	Wake Forest University	101720-551083.1	239,078	
93.866	Aging Research	Pass-through	Wake Forest University	SUB 101720-554012		
			(AG054523)		38,257	
93.866	Aging Research	Pass-through	Wake Forest University	SUB WFUHS 118269		
			(AG008097)		121,745	
93.866	Aging Research	Pass-through	Wake Forest University Total		399,060	
93.866	Aging Research	Pass-through	Washington University In St. Louis	87B5D	121,172	
93.866	Aging Research	Pass-through	Washington University In St. Louis	87CC1	34,834	
93.866	Aging Research	Pass-through	Washington University In St. Louis	SUB WU-14-333		
			(AG032438)		(49,294)	
93.866	Aging Research	Pass-through	Washington University In St. Louis	SUB WU-15-135		
			(AG049399)		407,968	
93.866	Aging Research	Pass-through	Washington University In St. Louis	WU-18-425-MOD-1	42,078	
93.866	Aging Research	Pass-through	Washington University In St. Louis	WU-19-310	25,238	
93.866	Aging Research	Pass-through	Washington University In St. Louis	WU-20-385	958,720	
93.866	Aging Research	Pass-through	Washington University In St. Louis Total		1,540,717	
93.866	Aging Research	Pass-through	Welth Inc.	SUB		
93.866	Aging Research	Pass-through	Welth Inc.	20181172(AG056184)	48,307	
93.866	Aging Research	Pass-through	Welth Inc. Total		48,307	
93.866	Aging Research	Pass-through	Yale University	GR101503 (CON-80001386)	52,235	
93.866	Aging Research	Pass-through	Yale University	GR104659(CON-80001481).1	7,938	
93.866	Aging Research	Pass-through	Yale University Total		60,174	
93.866	Aging Research	Pass-through	University Of Colorado System	FY20.830.007.1	179,133	139,432
93.866	Aging Research	Pass-through	University Of Colorado System Total		179,133	139,432
93.866	Aging Research	Pass-through	Loma Linda University	2190077	19,205	
93.866	Aging Research	Pass-through	Loma Linda University Total		19,205	
93.866	Aging Research	Pass-through	Institute For Molecular Medicine, Inc.	4001-UCI-DHC-2018-CYC1	83,590	
93.866	Aging Research	Pass-through	Institute For Molecular Medicine, Inc.	4001-UCI-MBJ-2018	169,558	
93.866	Aging Research	Pass-through	Institute For Molecular Medicine, Inc. Total		253,148	
93.866	Aging Research Total				214,543,556	34,325,236
93.867	Vision Research	Direct	National Institutes Of Health (NIH)	Various	62,556,584	3,801,301
93.867	Vision Research	Direct	National Institutes Of Health (NIH) Total		62,556,584	3,801,301
93.867	Vision Research	Pass-through	Baylor College Of Medicine	7000000842	949,958	
93.867	Vision Research	Pass-through	Baylor College Of Medicine Total		949,958	
93.867	Vision Research	Pass-through	California Institute Of Technology	S378172.3	42,309	
93.867	Vision Research	Pass-through	California Institute Of Technology Total		42,309	
93.867	Vision Research	Pass-through	Case Western Reserve University	RESS12338	(3,088)	
93.867	Vision Research	Pass-through	Case Western Reserve University	RESS14042-CYC2	71,656	
93.867	Vision Research	Pass-through	Case Western Reserve University Total		68,568	
93.867	Vision Research	Pass-through	Cedars-Sinai Medical Center	0001449133.4	7,067	
93.867	Vision Research	Pass-through	Cedars-Sinai Medical Center Total		7,067	
93.867	Vision Research	Pass-through	Cleveland Clinic Lerner College Of Medicine	R21EY031087	27,091	
93.867	Vision Research	Pass-through	Cleveland Clinic Lerner College Of Medicine Total		27,091	
93.867	Vision Research	Pass-through	Cornell University	161219952	42,723	
93.867	Vision Research	Pass-through	Cornell University	R01EY027036	163,526	
93.867	Vision Research	Pass-through	Cornell University	R01NS104926	174,170	
93.867	Vision Research	Pass-through	Cornell University Total		380,419	
93.867	Vision Research	Pass-through	George Mason University	E2048122	26,823	
93.867	Vision Research	Pass-through	George Mason University	R01EY029715	45,085	
93.867	Vision Research	Pass-through	George Mason University Total		71,908	
93.867	Vision Research	Pass-through	Greater Baltimore Medical Center	20194713	5,616	
93.867	Vision Research	Pass-through	Greater Baltimore Medical Center Total		5,616	
93.867	Vision Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-0731-4609	8,374	
93.867	Vision Research	Pass-through	Icahn School Of Medicine At Mount Sinai	0255-7713-4609	3,403	
93.867	Vision Research	Pass-through	Icahn School Of Medicine At Mount Sinai	U01EY025990	78,836	
93.867	Vision Research	Pass-through	Icahn School Of Medicine At Mount Sinai Total		90,613	
93.867	Vision Research	Pass-through	Illinois Institute Of Technology	SA19-0101-S001	343,427	
93.867	Vision Research	Pass-through	Illinois Institute Of Technology Total		343,427	
93.867	Vision Research	Pass-through	Jaeb Center For Health Research, Inc.	58384	1,532	
93.867	Vision Research	Pass-through	Jaeb Center For Health Research, Inc.	85A02	21,887	
93.867	Vision Research	Pass-through	Jaeb Center For Health Research, Inc. Total		23,420	
93.867	Vision Research	Pass-through	Johns Hopkins University	2002473559	43,358	
93.867	Vision Research	Pass-through	Johns Hopkins University	2002507432.06	2,534	
93.867	Vision Research	Pass-through	Johns Hopkins University	2004415376	9,833	
93.867	Vision Research	Pass-through	Johns Hopkins University	2004438024	1,170	
93.867	Vision Research	Pass-through	Johns Hopkins University	2004654953	10,716	
93.867	Vision Research	Pass-through	Johns Hopkins University	83100	36	
93.867	Vision Research	Pass-through	Johns Hopkins University Total		67,647	
93.867	Vision Research	Pass-through	Lineage Cell Therapeutics, Inc.	BT1-207738-CYC3	235,289	
93.867	Vision Research	Pass-through	Lineage Cell Therapeutics, Inc. Total		235,289	
93.867	Vision Research	Pass-through	Massachusetts Eye And Ear Infirmary	88489	(7,705)	
93.867	Vision Research	Pass-through	Massachusetts Eye And Ear Infirmary Total		(7,705)	
93.867	Vision Research	Pass-through	Medical College Of Wisconsin	1U24EY029891-01	439,669	
93.867	Vision Research	Pass-through	Medical College Of Wisconsin Total		439,669	
93.867	Vision Research	Pass-through	New York University	20174518	1,335	
93.867	Vision Research	Pass-through	New York University Total		1,335	
93.867	Vision Research	Pass-through	Oregon Health & Science University	A19-0040-001	171,506	
93.867	Vision Research	Pass-through	Oregon Health & Science University Total		171,506	
93.867	Vision Research	Pass-through	Pennsylvania State University	SUG1EY023533	22,365	
93.867	Vision Research	Pass-through	Pennsylvania State University	86772	3,804	
93.867	Vision Research	Pass-through	Pennsylvania State University	UCLA EY023533	27,366	
93.867	Vision Research	Pass-through	Pennsylvania State University Total		53,535	
93.867	Vision Research	Pass-through	Rochester Institute Of Technology	SUB 32439-01		
			(EY024623)		48,466	
93.867	Vision Research	Pass-through	Rochester Institute Of Technology Total		48,466	
93.867	Vision Research	Pass-through	Stanford University	62252694-139491	54,142	
93.867	Vision Research	Pass-through	Stanford University	A00-1375-007	36,164	
93.867	Vision Research	Pass-through	Stanford University	R01EY028287	87,984	
93.867	Vision Research	Pass-through	Stanford University	R01EY03036101	24,172	
93.867	Vision Research	Pass-through	Stanford University	R21EY031063	2,966	
93.867	Vision Research	Pass-through	Stanford University Total		205,428	

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93.867	Vision Research	Pass-through	The Scripps Research Institute	5-37164-1	65,076	
93.867	Vision Research	Pass-through	The Scripps Research Institute	88135	(259,082)	
93.867	Vision Research	Pass-through	The Scripps Research Institute	89232	(225,889)	
93.867	Vision Research	Pass-through	The Scripps Research Institute	SUB 5-53499(EY028642)	12,535	
93.867	Vision Research	Pass-through	The Scripps Research Institute Total		(407,361)	
93.867	Vision Research	Pass-through	The University Of Alabama At Birmingham	SUB 000512884 (EY026574)	258,499	
93.867	Vision Research	Pass-through	The University Of Alabama At Birmingham Total		258,499	
93.867	Vision Research	Pass-through	University Of Louisville	ULRF 17-0844-02-2	134,565	
93.867	Vision Research	Pass-through	University Of Louisville Total		134,565	
93.867	Vision Research	Pass-through	University Of Louisville Research Foundation, Inc.	ULRF 17-0884-01-CYC3	157,501	
93.867	Vision Research	Pass-through	University Of Louisville Research Foundation, Inc. Total		157,501	
93.867	Vision Research	Pass-through	University Of Massachusetts Amherst	U010998 A00-CYC1	153,425	
93.867	Vision Research	Pass-through	University Of Massachusetts Amherst Total		153,425	
93.867	Vision Research	Pass-through	University Of Michigan	876GD	2,618	
93.867	Vision Research	Pass-through	University Of Michigan Total		2,618	
93.867	Vision Research	Pass-through	University Of Pennsylvania	572701	273,665	
93.867	Vision Research	Pass-through	University Of Pennsylvania Total		273,665	
93.867	Vision Research	Pass-through	University Of Rochester	417342-G / UR FAO GR510790	35,755	
93.867	Vision Research	Pass-through	University Of Rochester	417376G / UR FAO GR510807	2,599	
93.867	Vision Research	Pass-through	University Of Rochester Total		38,353	
93.867	Vision Research	Pass-through	University Of Southern California	122275983-CYC1	21,601	
93.867	Vision Research	Pass-through	University Of Southern California	54529007	(36,889)	
93.867	Vision Research	Pass-through	University Of Southern California	72730838	70,996	
93.867	Vision Research	Pass-through	University Of Southern California	79508336.2	199,551	
93.867	Vision Research	Pass-through	University Of Southern California Total		255,259	
93.867	Vision Research	Pass-through	University Of Texas-Austin	UTA18-000547	13,623	
93.867	Vision Research	Pass-through	University Of Texas-Austin Total		13,623	
93.867	Vision Research	Pass-through	University Of Washington	U01HL130114	35,010	
93.867	Vision Research	Pass-through	University Of Washington	UWSC10239	170,803	
93.867	Vision Research	Pass-through	University Of Washington	UWSC7854	52,714	
93.867	Vision Research	Pass-through	University Of Washington Total		258,527	
93.867	Vision Research	Pass-through	Valitor, Inc.	B8797	(29,117)	
93.867	Vision Research	Pass-through	Valitor, Inc. Total		(29,117)	
93.867	Vision Research	Pass-through	Veterans Medical Research Foundation Of San Diego	79333	(6,241)	
93.867	Vision Research	Pass-through	Veterans Medical Research Foundation Of San Diego Total		(6,241)	
93.867	Vision Research	Pass-through	Washington University In St. Louis	873DG	(48,465)	
93.867	Vision Research	Pass-through	Washington University In St. Louis	SUB WU-16-20 (EY025183)	26,996	
93.867	Vision Research	Pass-through	Washington University In St. Louis	UG16EY025183	127,968	
93.867	Vision Research	Pass-through	Washington University In St. Louis	WU-15-230-MOD-4	180,828	
93.867	Vision Research	Pass-through	Washington University In St. Louis	WU-16-119	77,609	
93.867	Vision Research	Pass-through	Washington University In St. Louis	WU-16-122-MOD-3/2934575E	7,626	
93.867	Vision Research	Pass-through	Washington University In St. Louis	WU-19-248-CYC1	137,575	
93.867	Vision Research	Pass-through	Washington University In St. Louis Total		510,136	
93.867	Vision Research	Pass-through	Yale University	GR100289-CYC3	3,825	
93.867	Vision Research	Pass-through	Yale University Total		3,825	
93.867	Vision Research Total				67,399,427	3,801,301
93.872	Tribal Maternal, Infant, And Early Childhood Home Visiting Program	Pass-through	Riverside-San Bernardino County Indian Health, Inc	20163878	(174)	
93.872	Tribal Maternal, Infant, And Early Childhood Home Visiting Program	Pass-through	Riverside-San Bernardino County Indian Health, Inc Total		(174)	
93.872	Tribal Maternal, Infant, And Early Childhood Home Visiting Program Total				(174)	
93.876	Antimicrobial Resistance Surveillance In Retail Food Specimens	Direct	U.S. Food and Drug Administration (FDA)	U01FD006248	120,616	
93.876	Antimicrobial Resistance Surveillance In Retail Food Specimens	Direct	U.S. Food and Drug Administration (FDA) Total		120,616	
93.876	Antimicrobial Resistance Surveillance In Retail Food Specimens	Pass-through	Stanford University	R01EB026094	45,584	
93.876	Antimicrobial Resistance Surveillance In Retail Food Specimens	Pass-through	Stanford University Total		45,584	
93.876	Antimicrobial Resistance Surveillance In Retail Food Specimens Total				166,200	
93.877	Autism Collaboration, Accountability, Research, Education, And Support	Direct	Health Resources and Services Administration (HRSA)	Various	58,521	
93.877	Autism Collaboration, Accountability, Research, Education, And Support	Direct	Health Resources and Services Administration (HRSA) Total		58,521	
93.877	Autism Collaboration, Accountability, Research, Education, And Support	Pass-through	Drexel University	800096.1	124,509	
93.877	Autism Collaboration, Accountability, Research, Education, And Support	Pass-through	Drexel University Total		124,509	
93.877	Autism Collaboration, Accountability, Research, Education, And Support Total				183,030	
93.879	Medical Library Assistance	Direct	National Institutes of Health (NIH)	Various	4,687,174	735,961
93.879	Medical Library Assistance	Direct	National Institutes of Health (NIH) Total		4,687,174	735,961
93.879	Medical Library Assistance	Pass-through	Charles R. Drew University Of Medicine And Science	16-17-LO-G0075000-UCLA-02	80,257	
93.879	Medical Library Assistance	Pass-through	Charles R. Drew University Of Medicine And Science Total		80,257	
93.879	Medical Library Assistance	Pass-through	Columbia University	1(GG012264)	110,296	
93.879	Medical Library Assistance	Pass-through	Columbia University Total		110,296	
93.879	Medical Library Assistance	Pass-through	University Of Central Florida	25076A01	45,017	
93.879	Medical Library Assistance	Pass-through	University Of Central Florida Total		45,017	
93.879	Medical Library Assistance	Pass-through	University Of Washington	SUB UWSC11481 (1R01LM013301-01)	74,400	
93.879	Medical Library Assistance	Pass-through	University Of Washington Total		74,400	
93.879	Medical Library Assistance Total				4,997,143	735,961
93.881	The Health Insurance Enforcement And Consumer Protections Grant Program	Pass-through	California Department Of Insurance	16035IA-2	232,075	
93.881	The Health Insurance Enforcement And Consumer Protections Grant Program	Pass-through	California Department Of Insurance Total		232,075	
93.881	The Health Insurance Enforcement And Consumer Protections Grant Program Total				232,075	
93.884	Grants For Primary Care Training And Enhancement	Direct	Health Resources and Services Administration (HRSA)	Various	1,123,876	
93.884	Grants For Primary Care Training And Enhancement	Direct	Health Resources and Services Administration (HRSA) Total		1,123,876	
93.884	Grants For Primary Care Training And Enhancement Total				1,123,876	
93.886	Physician Assistant Training In Primary Care	Pass-through	Washington University In St. Louis	SUB-WU-17-344 (P01AG051443)	44,192	
93.886	Physician Assistant Training In Primary Care	Pass-through	Washington University In St. Louis Total		44,192	
93.886	Physician Assistant Training In Primary Care Total				44,192	
93.893	Health Care And Public Health (HPH) Sector Information Sharing And Analysis Organization (ISAO)	Direct	National Institutes of Health (NIH)	Various	4	
93.893	Health Care And Public Health (HPH) Sector Information Sharing And Analysis Organization (ISAO)	Direct	National Institutes of Health (NIH) Total		4	
93.893	Health Care And Public Health (HPH) Sector Information Sharing And Analysis Organization (ISAO) Total				4	
93.897	Residencies And Advanced Education In The Practice Of General Dentistry	Direct	National Institutes of Health (NIH)	Various	3,098	
93.897	Residencies And Advanced Education In The Practice Of General Dentistry	Direct	National Institutes of Health (NIH) Total		3,098	
93.897	Residencies And Advanced Education In The Practice Of General Dentistry Total				3,098	

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93.898	Cancer Prevention And Control Programs For State, Territorial And Tribal Organizations	Pass-through	California Department Of Public Health	1810056	63,987	
93.898	Cancer Prevention And Control Programs For State, Territorial And Tribal Organizations	Pass-through	California Department Of Public Health Total		63,987	
93.898	Cancer Prevention And Control Programs For State, Territorial And Tribal Organizations Total				63,987	
93.910	Family And Community Violence Prevention Program	Direct	National Institutes Of Health (NIH)	Various	77,800	
93.910	Family And Community Violence Prevention Program	Direct	National Institutes Of Health (NIH) Total		77,800	
93.910	Family And Community Violence Prevention Program Total				77,800	
93.912	Rural Health Care Services Outreach, Rural Health Network Development And Small Health Care Provider Quality Improvement	Direct	Health Resources and Services Administration (HRSA)	Various	183,012	
93.912	Rural Health Care Services Outreach, Rural Health Network Development And Small Health Care Provider Quality Improvement	Direct	Health Resources and Services Administration (HRSA) Total		183,012	
93.912	Rural Health Care Services Outreach, Rural Health Network Development And Small Health Care Provider Quality Improvement Total				183,012	
93.914	HIV Emergency Relief Project Grants	Pass-through	City And County Of San Francisco	BPHC11000127	175,684	
93.914	HIV Emergency Relief Project Grants	Pass-through	City And County Of San Francisco Total		175,684	
93.914	HIV Emergency Relief Project Grants	Pass-through	Los Angeles County Department Of Mental Health	20612	614,229	
93.914	HIV Emergency Relief Project Grants	Pass-through	Los Angeles County Department Of Mental Health Total		614,229	
93.914	HIV Emergency Relief Project Grants Total				789,913	
93.918	Outpatient Early Intervention Services With Respect To HIV Disease	Direct	Health Resources and Services Administration (HRSA)	Various	59,064	
93.918	Outpatient Early Intervention Services With Respect To HIV Disease	Direct	Health Resources and Services Administration (HRSA) Total		59,064	
93.918	Outpatient Early Intervention Services With Respect To HIV Disease Total				59,064	
93.928	Special Projects Of National Significance	Direct	Health Resources and Services Administration (HRSA)	Various	585,879	
93.928	Special Projects Of National Significance	Direct	Health Resources and Services Administration (HRSA) Total		585,879	
93.928	Special Projects Of National Significance	Pass-through	Boston University	4500002836	38,764	
93.928	Special Projects Of National Significance	Pass-through	Boston University Total		38,764	
93.928	Special Projects Of National Significance	Pass-through	Capital Consulting Corporation	A132354	9,646	
93.928	Special Projects Of National Significance	Pass-through	Capital Consulting Corporation Total		9,646	
93.928	Special Projects Of National Significance Total				634,288	
93.940	HIV Prevention Activities Health Department Based	Pass-through	Heluna Health	0471.0102	39,291	
93.940	HIV Prevention Activities Health Department Based	Pass-through	Heluna Health Total		39,291	
93.940	HIV Prevention Activities Health Department Based Total				39,291	
93.941	HIV Demonstration, Research, Public And Professional Education Projects	Direct	Centers for Disease Control and Prevention (CDC)	Various	(66)	
93.941	HIV Demonstration, Research, Public And Professional Education Projects	Direct	Centers for Disease Control and Prevention (CDC) Total		(66)	
93.941	HIV Demonstration, Research, Public And Professional Education Projects Total				(66)	
93.945	Assistance Programs For Chronic Disease Prevention And Control	Direct	Centers for Disease Control and Prevention (CDC)	Various	1,157,281	11,006
93.945	Assistance Programs For Chronic Disease Prevention And Control	Direct	Centers for Disease Control and Prevention (CDC) Total		1,157,281	11,006
93.945	Assistance Programs For Chronic Disease Prevention And Control Total				1,157,281	11,006
93.946	Cooperative Agreements To Support State-Based Safe Motherhood And Infant Health Initiative Programs	Direct	Centers for Disease Control and Prevention (CDC)	Various	27,475	
93.946	Cooperative Agreements To Support State-Based Safe Motherhood And Infant Health Initiative Programs	Direct	Centers for Disease Control and Prevention (CDC) Total		27,475	
93.946	Cooperative Agreements To Support State-Based Safe Motherhood And Infant Health Initiative Programs Total				27,475	
93.947	Tuberculosis Demonstration, Research, Public And Professional Education	Direct	Centers for Disease Control and Prevention (CDC)	Various	1,218,210	
93.947	Tuberculosis Demonstration, Research, Public And Professional Education	Direct	Centers for Disease Control and Prevention (CDC) Total		1,218,210	
93.947	Tuberculosis Demonstration, Research, Public And Professional Education Total				1,218,210	
93.959	Block Grants For Prevention And Treatment Of Substance Abuse	Pass-through	Public Health Institute	01483	(68,748)	
93.959	Block Grants For Prevention And Treatment Of Substance Abuse	Pass-through	Public Health Institute Total		(68,748)	
93.959	Block Grants For Prevention And Treatment Of Substance Abuse	Pass-through	Sierra Health Foundation	SUB CA19MAT117 (NONE)	31,996	
93.959	Block Grants For Prevention And Treatment Of Substance Abuse	Pass-through	Sierra Health Foundation Total		31,996	
93.959	Block Grants For Prevention And Treatment Of Substance Abuse Total				(36,751)	
93.969	Ppbf Geriatric Education Centers	Direct	Health Resources and Services Administration (HRSA)	Various	1,639,910	242,902
93.969	Ppbf Geriatric Education Centers	Direct	Health Resources and Services Administration (HRSA) Total		1,639,910	242,902
93.969	Ppbf Geriatric Education Centers	Pass-through	California State University, San Diego State University	SUB SA0000468 (HP28717)	12,110	
93.969	Ppbf Geriatric Education Centers	Pass-through	California State University, San Diego State University	SUB SA0000695 (HP28717)	724	
93.969	Ppbf Geriatric Education Centers	Pass-through	California State University, San Diego State University Total		12,833	
93.969	Ppbf Geriatric Education Centers Total				1,652,743	242,902
93.974	Family Planning Service Delivery Improvement Research Grants	Direct	Office of the Assistant Secretary for Health (OASH)	FPRPA006069	101,541	
93.974	Family Planning Service Delivery Improvement Research Grants	Direct	Office of the Assistant Secretary for Health (OASH) Total		101,541	
93.974	Family Planning Service Delivery Improvement Research Grants Total				101,541	
93.976	Primary Care Medicine And Dentistry Clinician Educator Career Development Awards	Direct	Health Resources and Services Administration (HRSA)	Various	149,637	
93.976	Primary Care Medicine And Dentistry Clinician Educator Career Development Awards	Direct	Health Resources and Services Administration (HRSA) Total		149,637	
93.976	Primary Care Medicine And Dentistry Clinician Educator Career Development Awards Total				149,637	
93.977	Sexually Transmitted Diseases (STD) Prevention And Control Grants	Pass-through	FHI 360	780/0080.0214.09	13,020	
93.977	Sexually Transmitted Diseases (STD) Prevention And Control Grants	Pass-through	FHI 360 Total		13,020	
93.977	Sexually Transmitted Diseases (STD) Prevention And Control Grants Total				13,020	
93.978	Sexually Transmitted Diseases (STD) Provider Education Grants	Direct	Centers for Disease Control and Prevention (CDC)	Various	181,350	15,858
93.978	Sexually Transmitted Diseases (STD) Provider Education Grants	Direct	Centers for Disease Control and Prevention (CDC) Total		181,350	15,858
93.978	Sexually Transmitted Diseases (STD) Provider Education Grants Total				181,350	15,858
93.983	Market Transparency Project For Health It Interoperability Services Cooperative Agreement Program	Direct	Office of the Secretary (OS)	Various	34,059	
93.983	Market Transparency Project For Health It Interoperability Services Cooperative Agreement Program	Direct	Office of the Secretary (OS) Total		34,059	
93.983	Market Transparency Project For Health It Interoperability Services Cooperative Agreement Program Total				34,059	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.986	Medicare Access And Chip Reauthorization Act (MACRA) Funding Opportunity: Measure Development For The Quality Payment Program	Direct	Health Care Financing Administration (HCFA)	1V1CMS331638-01-00	1,816,817	
93.986	Medicare Access And Chip Reauthorization Act (MACRA) Funding Opportunity: Measure Development For The Quality Payment Program	Direct	Health Care Financing Administration (HCFA) Total		1,816,817	
93.986	Medicare Access And Chip Reauthorization Act (MACRA) Funding Opportunity: Measure Development For The Quality Payment Program Total				1,816,817	
93.989	International Research And Research Training	Direct	National Institutes of Health (NIH)	Various	7,467,642	3,147,719
93.989	International Research And Research Training	Direct	National Institutes of Health (NIH) Total		7,467,642	3,147,719
93.989	International Research And Research Training	Pass-through	Duke University	A03-2249	19,157	
93.989	International Research And Research Training	Pass-through	Duke University Total		19,157	
93.989	International Research And Research Training	Pass-through	Eduardo Mondlane University	87529	(317)	
93.989	International Research And Research Training	Pass-through	Eduardo Mondlane University	87531	(504)	
93.989	International Research And Research Training	Pass-through	Eduardo Mondlane University	8755F	56,949	
93.989	International Research And Research Training	Pass-through	Eduardo Mondlane University	SUB C0010 (TW010135)	34,543	
93.989	International Research And Research Training	Pass-through	Eduardo Mondlane University Total		96,671	
93.989	International Research And Research Training	Pass-through	Georgia Institute Of Technology	AWD-100485-G1	79,182	15,173
93.989	International Research And Research Training	Pass-through	Georgia Institute Of Technology Total		79,182	15,173
93.989	International Research And Research Training	Pass-through	Johns Hopkins University	2002590467	5,876	
93.989	International Research And Research Training	Pass-through	Johns Hopkins University Total		5,876	
93.989	International Research And Research Training	Pass-through	Makerere University	MAKCHS062017	17,924	
93.989	International Research And Research Training	Pass-through	Makerere University	MAKCHS23/2019	19,173	
93.989	International Research And Research Training	Pass-through	Makerere University Total		37,097	
93.989	International Research And Research Training	Pass-through	Muhimbili University Of Health And Allied Sciences	1R25-04	30,114	
93.989	International Research And Research Training	Pass-through	Muhimbili University Of Health And Allied Sciences	D71-MU01	1,364	
93.989	International Research And Research Training	Pass-through	Muhimbili University Of Health And Allied Sciences Total		31,478	
93.989	International Research And Research Training	Pass-through	Northwestern University	60049839 UCSF	14,696	
93.989	International Research And Research Training	Pass-through	Northwestern University Total		14,696	
93.989	International Research And Research Training	Pass-through	University Of South Florida	1211-1065-00-D	(3)	
93.989	International Research And Research Training	Pass-through	University Of South Florida Total		(3)	
93.989	International Research And Research Training	Pass-through	Vanderbilt University	88110	(24,471)	
93.989	International Research And Research Training	Pass-through	Vanderbilt University Total		(24,471)	
93.989	International Research And Research Training	Pass-through	Yale University	GR102957 (CON-80001272)	72,445	
93.989	International Research And Research Training	Pass-through	Yale University	SUB GR105447(CON-80001660) (TW	34,760	
93.989	International Research And Research Training	Pass-through	Yale University Total		107,205	
93.989	International Research And Research Training	Pass-through	University Of Notre Dame	20365UCB	153,339	
93.989	International Research And Research Training	Pass-through	University Of Notre Dame Total		153,339	
93.989	International Research And Research Training	Pass-through	Loma Linda University	2170175-3	74,358	
93.989	International Research And Research Training	Pass-through	Loma Linda University Total		74,358	
93.989	International Research And Research Training Total				8,056,227	3,162,892
93.991	Preventive Health And Health Services Block Grant	Pass-through	California Department Of Public Health	18-10610	11,461	
93.991	Preventive Health And Health Services Block Grant	Pass-through	California Department Of Public Health Total		11,461	
93.991	Preventive Health And Health Services Block Grant Total				11,461	
93.994	Maternal And Child Health Services Block Grant To The States	Pass-through	California Department Of Public Health	16-10016	6,662	
93.994	Maternal And Child Health Services Block Grant To The States	Pass-through	California Department Of Public Health Total		6,662	
93.994	Maternal And Child Health Services Block Grant To The States Total				6,662	
93.998	Autism And Other Developmental Disabilities, Surveillance, Research, And Prevention	Direct	Centers for Disease Control and Prevention (CDC)	Various	446,908	
93.998	Autism And Other Developmental Disabilities, Surveillance, Research, And Prevention	Direct	Centers for Disease Control and Prevention (CDC) Total		446,908	
93.998	Autism And Other Developmental Disabilities, Surveillance, Research, And Prevention Total				446,908	
93.RD		Direct	National Institutes of Health (NIH)	SUB 2016-2079 (CRB-SSS-S-15-00	25,051	
93.RD		Direct	National Institutes of Health (NIH)	Various	48,760	
93.RD		Direct	National Institutes of Health (NIH)	HHSN271201800516P	50,387	
93.RD		Direct	National Institutes of Health (NIH)	NIH-5585744	2,399	
93.RD		Direct	National Institutes of Health (NIH)	048096	99,345	
93.RD		Direct	National Institutes of Health (NIH)	AG057864	560,930	
93.RD		Direct	National Institutes of Health (NIH)	HD001259	332,841	
93.RD		Direct	National Institutes of Health (NIH)	HD007203	1,519	
93.RD		Direct	National Institutes of Health (NIH)	DK0116024	192,486	
93.RD		Direct	National Institutes of Health (NIH)	DA022356	293,611	
93.RD		Direct	National Institutes of Health (NIH)	GM129454	72,537	
93.RD		Direct	National Institutes of Health (NIH)	SR01HL081823	273,683	
93.RD		Direct	National Institutes of Health (NIH)	GM008806	500,487	
93.RD		Direct	National Institutes of Health (NIH)	SR01GM118560-03	487,732	61,599
93.RD		Direct	National Institutes of Health (NIH)	GM008666	490,780	
93.RD		Direct	National Institutes of Health (NIH)	GM031749	357,329	
93.RD		Direct	National Institutes of Health (NIH)	GM050545	207,584	
93.RD		Direct	National Institutes of Health (NIH)	HHSN27500002	201,878	
93.RD		Direct	National Institutes of Health (NIH)	HHSN27500003	140,033	
93.RD		Direct	National Institutes of Health (NIH)	HHSN275201300006/ITO	129,324	4,613
93.RD		Direct	National Institutes of Health (NIH)	10880SC	82,174	
93.RD		Direct	National Institutes of Health (NIH)	75N91018D000032	4,490,105	
93.RD		Direct	National Institutes of Health (NIH)	75N91019P00684	36,503	
93.RD		Direct	National Institutes of Health (NIH)	75N91019P00720	1,676	
93.RD		Direct	National Institutes of Health (NIH)	HHSN261201800651P	1,519	
93.RD		Direct	National Institutes of Health (NIH)	75N92019F00074	458,489	
93.RD		Direct	National Institutes of Health (NIH)	HHSN268201700005C	334,488	11,552
93.RD		Direct	National Institutes of Health (NIH)	75N92020F00001	132,901	
93.RD		Direct	National Institutes of Health (NIH)	HHSN268201100009I	126,437	93,984
93.RD		Direct	National Institutes of Health (NIH)	HHSN268201100005I	70,723	45,850
93.RD		Direct	National Institutes of Health (NIH)	HHSN268201100009ITO2	9,828	9,331
93.RD		Direct	National Institutes of Health (NIH)	75N92019D00040	848	
93.RD		Direct	National Institutes of Health (NIH)	HHSN272201400051C	1,048,638	
93.RD		Direct	National Institutes of Health (NIH)	HHSN272201701379P	6,869	
93.RD		Direct	National Institutes of Health (NIH)	HHSN272201400002C	(139,076)	
93.RD		Direct	National Institutes of Health (NIH)	A15-0196	51,101	
93.RD		Direct	National Institutes of Health (NIH)	1OT2OD026552	5,218,994	2,321,794
93.RD		Direct	National Institutes of Health (NIH)	75N93019C00042	1,546,748	
93.RD		Direct	National Institutes of Health (NIH)	OT2HL151319	78,758	
93.RD		Direct	National Institutes of Health (NIH)	75N92019P00353	27,446	
93.RD		Direct	National Institutes of Health (NIH)	HHSN268201300057C	3,931	
93.RD		Direct	National Institutes of Health (NIH)	HHSN26820009000	(8,868)	
93.RD		Direct	National Institutes of Health (NIH)	HHSN268200900015C	(392,682)	
93.RD		Direct	National Institutes of Health (NIH) Total		17,919,811	2,548,723
93.RD		Direct	Centers for Disease Control and Prevention (CDC)	Various	(34,007)	
93.RD		Direct	Centers for Disease Control and Prevention (CDC)	75D30119C06225	724,407	112,281
93.RD		Direct	Centers for Disease Control and Prevention (CDC)	75D301-19-R-67869	341,145	64,099
93.RD		Direct	Centers for Disease Control and Prevention (CDC)	200-2009-32597	263,948	82,541
93.RD		Direct	Centers for Disease Control and Prevention (CDC)	75D30120C06009	76,243	
93.RD		Direct	Centers for Disease Control and Prevention (CDC)	75D30119C06582	72,823	
93.RD		Direct	Centers for Disease Control and Prevention (CDC)	200-2016-92351	13,970	108,978
93.RD		Direct	Centers for Disease Control and Prevention (CDC)	75D30118C02890-cyc1	(4,634)	
93.RD		Direct	Centers for Disease Control and Prevention (CDC)	16IPA1611534-3	76,109	
93.RD		Direct	Centers for Disease Control and Prevention (CDC) Total		1,530,010	367,899

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.RD		Direct	U.S. Food and Drug Administration (FDA)	HHSP223201710112C	785,445	
93.RD		Direct	U.S. Food and Drug Administration (FDA)	75F40119C10128	293,359	63,977
93.RD		Direct	U.S. Food and Drug Administration (FDA)	75F40119C10054	232,893	73,029
93.RD		Direct	U.S. Food and Drug Administration (FDA)	HHSP223201810128C	95,346	
93.RD		Direct	U.S. Food and Drug Administration (FDA) Total		1,407,042	137,006
93.RD		Direct	Health Resources and Services Administration (HRSA)	Various	47,517	
93.RD		Direct	Health Resources and Services Administration (HRSA)	HHSH250201300023I	195,548	
93.RD		Direct	Health Resources and Services Administration (HRSA) Total		243,064	
93.RD		Direct	Office of Human Development Services (OHDS)	Various	6,438	
93.RD		Direct	Office of Human Development Services (OHDS) Total		6,438	
93.RD		Direct	Agency for Healthcare Research and Quality (AHRQ)	HHSA290201400006C	546,196	116,351
93.RD		Direct	Agency for Healthcare Research and Quality (AHRQ) Total		546,196	116,351
93.RD		Direct	Office of the Secretary (OS)	75A50119C00038	308,077	170,000
93.RD		Direct	Office of the Secretary (OS)	HHSP233201700049C	25,047	
93.RD		Direct	Office of the Secretary (OS) Total		333,124	170,000
93.RD		Direct	Department Of Health and Human Services (HHS)	011566	13,118	
93.RD		Direct	Department Of Health and Human Services (HHS) Total		13,118	
93.RD		Pass-through	Atox Bio	ATB-202-CYC1	15,520	
93.RD		Pass-through	Atox Bio Total		15,520	
93.RD		Pass-through	Biolog, Inc.	SUB 20182120		
93.RD		Pass-through	Biolog, Inc. Total	(AA024643)	28,104	
93.RD		Pass-through	California Department Of Public Health	16-10014	192,722	
93.RD		Pass-through	California Department Of Public Health Total		192,722	
93.RD		Pass-through	Cellerant Therapeutics, Inc.	79617	12,000	
93.RD		Pass-through	Cellerant Therapeutics, Inc. Total		12,000	
93.RD		Pass-through	Duke University	203-8488	7,595	
93.RD		Pass-through	Duke University Total		7,595	
93.RD		Pass-through	Health And Environmental Sciences Institute	A20-3686	3,257	
93.RD		Pass-through	Health And Environmental Sciences Institute Total		3,257	
93.RD		Pass-through	Hennepin Healthcare Research Institute	HHSH250201500009C	36,158	
93.RD		Pass-through	Hennepin Healthcare Research Institute Total		36,158	
93.RD		Pass-through	Icahn School Of Medicine At Mount Sinai	02580512HHNS27220140		
93.RD		Pass-through	Icahn School Of Medicine At Mount Sinai	0008C	302,948	
93.RD		Pass-through	Icahn School Of Medicine At Mount Sinai Total	88C98	19,778	
93.RD		Pass-through	Kaiser Foundation Research Institution	75Q80119F32009	49,067	
93.RD		Pass-through	Kaiser Foundation Research Institution Total		49,067	
93.RD		Pass-through	Lawrence Livermore National Security, LLC	B640804	107	
93.RD		Pass-through	Lawrence Livermore National Security, LLC Total		107	
93.RD		Pass-through	Leidos Biomedical Research, Inc.	16X114	277,992	
93.RD		Pass-through	Leidos Biomedical Research, Inc.	18X105	16,650	
93.RD		Pass-through	Leidos Biomedical Research, Inc.	20CTA-DM0011	79,543	
93.RD		Pass-through	Leidos Biomedical Research, Inc.	39A96	662	
93.RD		Pass-through	Leidos Biomedical Research, Inc. Total		374,848	
93.RD		Pass-through	Lundquist Institute For Biomedical Innovation At Harbor-Ucla Medical C	HHNS27520130002411	18,852	
93.RD		Pass-through	Lundquist Institute For Biomedical Innovation At Harbor-Ucla Medical C Total		18,852	
93.RD		Pass-through	Massachusetts General Hospital	27966	(1,083)	
93.RD		Pass-through	Massachusetts General Hospital	NN106	5,735	
93.RD		Pass-through	Massachusetts General Hospital Total		4,652	
93.RD		Pass-through	Mount Sinai Health System, Inc.	UH3AT009149-CYC1	32,829	
93.RD		Pass-through	Mount Sinai Health System, Inc. Total		32,829	
93.RD		Pass-through	N2 Biomedical	008514	84,546	
93.RD		Pass-through	N2 Biomedical Total		84,546	
93.RD		Pass-through	National Association Of County And City Health Officials	2019-121802	80,734	
93.RD		Pass-through	National Association Of County And City Health Officials Total		80,734	
93.RD		Pass-through	National Fragile X Foundation	201603349	7,153	
93.RD		Pass-through	National Fragile X Foundation Total		7,153	
93.RD		Pass-through	Northrop Grumman Corporation	7500128578	1,627	
93.RD		Pass-through	Northrop Grumman Corporation Total		1,627	
93.RD		Pass-through	Northwestern University	010555	167,068	
93.RD		Pass-through	Northwestern University	87288	126,665	
93.RD		Pass-through	Northwestern University Total		293,733	
93.RD		Pass-through	Nvigen Inc.	A20-2182	15,645	
93.RD		Pass-through	Nvigen Inc. Total		15,645	
93.RD		Pass-through	Oregon Health & Science University	201500026	39,286	
93.RD		Pass-through	Oregon Health & Science University Total		39,286	
93.RD		Pass-through	Public Health Institute	01906	53,483	
93.RD		Pass-through	Public Health Institute	89C37	84,905	
93.RD		Pass-through	Public Health Institute Total		138,388	
93.RD		Pass-through	Radapics LLC	010010	23,547	
93.RD		Pass-through	Radapics LLC Total		23,547	
93.RD		Pass-through	Regeneron Pharmaceuticals, Inc.	6R88-COV-2040	74,549	
93.RD		Pass-through	Regeneron Pharmaceuticals, Inc. Total		74,549	
93.RD		Pass-through	Reveragen Biopharma, Inc.	A18-2621	4,193	
93.RD		Pass-through	Reveragen Biopharma, Inc. Total		4,193	
93.RD		Pass-through	Rush University Medical Center	15122904-SUB01-CYC3	(9,639)	
93.RD		Pass-through	Rush University Medical Center Total		(9,639)	
93.RD		Pass-through	Social And Scientific Systems, Inc.	CRB-SSS-S-15-00454	124,199	
93.RD		Pass-through	Social And Scientific Systems, Inc. Total		124,199	
93.RD		Pass-through	SRI International	21912	17,563	
93.RD		Pass-through	SRI International Total		17,563	
93.RD		Pass-through	St. Jude Children's Research Hospital	HSN272201400006C	113,933	
93.RD		Pass-through	St. Jude Children's Research Hospital Total		113,933	
93.RD		Pass-through	Stratatech Corporation	A19-2670	16,007	
93.RD		Pass-through	Stratatech Corporation Total		16,007	
93.RD		Pass-through	Syneos Health, Inc.	A18-2637	7,746	
93.RD		Pass-through	Syneos Health, Inc. Total		7,746	
93.RD		Pass-through	The Scripps Research Institute	SUB 5-53679 (GM133157)	278,748	
93.RD		Pass-through	The Scripps Research Institute	SUB ADVANCE		
93.RD		Pass-through	The Scripps Research Institute Total	APPROVAL	152,160	
93.RD		Pass-through	The University Of Alabama (Tuscaloosa)	502889SP004001	164,257	
93.RD		Pass-through	The University Of Alabama (Tuscaloosa) Total		164,257	
93.RD		Pass-through	Tristan Technologies	010503	115,031	
93.RD		Pass-through	Tristan Technologies Total		115,031	
93.RD		Pass-through	University Of Colombo	2223475-CYC1	57,997	
93.RD		Pass-through	University Of Colombo Total		57,997	
93.RD		Pass-through	University Of Colorado Denver	FY18.572.001	9,190	
93.RD		Pass-through	University Of Colorado Denver	FY19.001.012-CYC1	34,034	
93.RD		Pass-through	University Of Colorado Denver Total		43,223	
93.RD		Pass-through	University Of Florida	SUB 20090630		
93.RD		Pass-through	University Of Florida Total	(NIDDK/NIAD/NICH)	69,031	
93.RD		Pass-through	University Of Iowa	A18-1058	137,602	
93.RD		Pass-through	University Of Iowa Total		137,602	
93.RD		Pass-through	University Of Kentucky/University Of Kentucky Research Foundation	3200002154-19-256-CYC1	184,317	
93.RD		Pass-through	University Of Kentucky/University Of Kentucky Research Foundation Total		184,317	
93.RD		Pass-through	University Of Maryland	-Z0746001	(218)	
93.RD		Pass-through	University Of Maryland Total		(218)	
93.RD		Pass-through	University Of Maryland, Baltimore	1400243L-CYC2	266,444	
93.RD		Pass-through	University Of Maryland, Baltimore Total		266,444	
93.RD		Pass-through	University Of Rochester	417207	345	
93.RD		Pass-through	University Of Rochester Total		345	
93.RD		Pass-through	University Of Southern California	100574101	124,178	
93.RD		Pass-through	University Of Southern California Total		124,178	

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93.RD		Pass-through	University Of Washington	762195	27,596	
93.RD		Pass-through	University Of Washington Total		27,596	
93.RD		Pass-through	Vantage Human Resources Services, Inc	23C46	669	
93.RD		Pass-through	Vantage Human Resource Services, Inc Total		669	
93.RD		Pass-through	Vitalant	10841UCD132	16,724	
93.RD		Pass-through	Vitalant Total		16,724	
93.RD		Pass-through	SUB S8954			
93.RD		Pass-through	(HHSN271201100027C)		1,628	
93.RD		Pass-through	Westat Total		1,628	
93.RD	Total				25,770,184	3,339,979
94.006	AmeriCorps	Pass-through	Californiavolunteers	17AFHY26-PG82	37,430	
94.006	AmeriCorps	Pass-through	Californiavolunteers Total		37,430	
94.006	AmeriCorps	Pass-through	Jumpstart For Young Children, Inc.	3320200	79,942	
94.006	AmeriCorps	Pass-through	Jumpstart For Young Children, Inc.	880200	11,603	
94.006	AmeriCorps	Pass-through	Jumpstart For Young Children, Inc.	880200-CYC1	54,211	
94.006	AmeriCorps	Pass-through	Jumpstart For Young Children, Inc. Total		145,756	
94.006	AmeriCorps Total				183,185	
94.026	National Service And Civic Engagement Research Competition	Direct	Corporation For National And Community Service (CNCS)	17REHCA001	100,139	
94.026	National Service And Civic Engagement Research Competition	Direct	Corporation For National And Community Service (CNCS) Total		100,139	
94.026	National Service And Civic Engagement Research Competition Total				100,139	
97.012	Boating Safety Financial Assistance	Pass-through	California Division Of Boating And Waterways	C8962330	40,000	
97.012	Boating Safety Financial Assistance	Pass-through	California Division Of Boating And Waterways Total		40,000	
97.012	Boating Safety Financial Assistance Total				40,000	
97.044	Assistance To Firefighters Grant	Pass-through	Northeastern University	505166-78052	19,646	
97.044	Assistance To Firefighters Grant	Pass-through	Northeastern University Total		19,646	
97.044	Assistance To Firefighters Grant	Pass-through	Salk Institute For Biological Studies	SUB 20174100-SIBS	403,429	
97.044	Assistance To Firefighters Grant	Pass-through	Salk Institute For Biological Studies Total	(EMW-2016-FP)	403,429	
97.044	Assistance To Firefighters Grant Total				423,075	
97.061	Centers For Homeland Security	Pass-through	Arizona State University/Tempe	ASU-209466-CYC5	124,945	86,415
97.061	Centers For Homeland Security	Pass-through	Arizona State University/Tempe Total		124,945	86,415
97.061	Centers For Homeland Security	Pass-through	George Mason University	E2049991	35,320	
97.061	Centers For Homeland Security	Pass-through	George Mason University Total		35,320	
97.061	Centers For Homeland Security Total				160,266	86,415
97.067	Homeland Security Grant Program (HSGP)	Pass-through	California Governor's Office Of Emergency Services	2017-0083	135,517	85,793
97.067	Homeland Security Grant Program (HSGP)	Pass-through	California Governor's Office Of Emergency Services Total		135,517	85,793
97.067	Homeland Security Grant Program (HSGP) Total				135,517	85,793
97.077	Homeland Security Research, Development, Testing, Evaluation, And Demonstration Of Technologies Related To Nuclear Threat Detection	Direct	Department Of Homeland Security (DHS)	Various	242,738	
97.077	Homeland Security Research, Development, Testing, Evaluation, And Demonstration Of Technologies Related To Nuclear Threat Detection	Direct	Department Of Homeland Security (DHS) Total		242,738	
97.077	Homeland Security Research, Development, Testing, Evaluation, And Demonstration Of Technologies Related To Nuclear Threat Detection	Pass-through	Pepperprint	86102	33,582	
97.077	Homeland Security Research, Development, Testing, Evaluation, And Demonstration Of Technologies Related To Nuclear Threat Detection	Pass-through	Pepperprint Total		33,582	
97.077	Homeland Security Research, Development, Testing, Evaluation, And Demonstration Of Technologies Related To Nuclear Threat Detection	Pass-through	University Of Oregon	251370A-6	22,411	
97.077	Homeland Security Research, Development, Testing, Evaluation, And Demonstration Of Technologies Related To Nuclear Threat Detection	Pass-through	University Of Oregon Total		22,411	
97.077	Homeland Security Research, Development, Testing, Evaluation, And Demonstration Of Technologies Related To Nuclear Threat Detection Total				298,730	
97.108	Homeland Security, Research, Testing, Evaluation, And Demonstration Of Technologies	Direct	Department Of Homeland Security (DHS)	Various	299,901	
97.108	Homeland Security, Research, Testing, Evaluation, And Demonstration Of Technologies	Direct	Department Of Homeland Security (DHS) Total		299,901	
97.108	Homeland Security, Research, Testing, Evaluation, And Demonstration Of Technologies Total				299,901	
97.RD		Direct	Department Of Homeland Security (DHS)	140D7018C00	304,219	34,730
97.RD		Direct	Department Of Homeland Security (DHS)	70RSAT18CB0	185,298	38,544
97.RD		Direct	Department Of Homeland Security (DHS)	FA8750-19-2-0004	42,015	0
97.RD		Direct	Department Of Homeland Security (DHS) Total		531,537	73,274
97.RD	Total				531,537	73,274
98.001	USAID Foreign Assistance For Programs Overseas	Direct	U.S. Agency For International Development (USAID)	Various	25,461,087	12,305,429
98.001	USAID Foreign Assistance For Programs Overseas	Direct	U.S. Agency For International Development (USAID) Total		25,461,087	12,305,429
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	American University In Cairo	A19-0607-001	210,606	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	American University In Cairo Total		210,606	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Astraea National Lesbian Action Foundation	GLHRP--15--1	125,454	19,800
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Astraea National Lesbian Action Foundation Total		125,454	19,800
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Georgetown University	AID-OAA-A-15-00042	215,997	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Georgetown University Total		215,997	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	International Business & Technical Consultants, Inc.	15-IBTCI-00027	127,788	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	International Business & Technical Consultants, Inc. Total		127,788	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Makerere University	MAKSPH-001-18	2,773	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Makerere University Total		2,773	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	National Academy Of Sciences	009660	53,890	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	National Academy Of Sciences	2000007143	6,936	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	National Academy Of Sciences	2000009144	19,600	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	National Academy Of Sciences	2000010568	72,770	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	National Academy Of Sciences Total		153,196	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Partners In Hope (Malawi)	20191959	1,352,377	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Partners In Hope (Malawi) Total		1,352,377	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Population Council - New York	SH1503	226	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Population Council - New York Total		226	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Right To Care	20163138-7	9,531	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Right To Care Total		9,531	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Sustainable Sciences Institute	USAID-4100-2	14,291	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Sustainable Sciences Institute Total		14,291	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Tufts University	201502576	901	6,566
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Tufts University Total		901	6,566
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	UCP Wheels For Humanity	80041	6,127	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	UCP Wheels For Humanity Total		6,127	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	University Of Florida	UFDP00011429	190,034	46,066
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	University Of Florida Total		190,034	46,066
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	University Research Co., LLC	041898	222,163	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	University Research Co., LLC Total		222,163	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	University Of Notre Dame	202809UCB	2,090	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	University Of Notre Dame Total		2,090	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Wits Health Consortium	A133275	51,127	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Wits Health Consortium Total		51,127	

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98.001	USAID Foreign Assistance For Programs Overseas Total				28,145,767	12,377,860
98.011	Global Development Alliance	Pass-through	National Academy Of Sciences	2000008303:01	7,567	
98.011	Global Development Alliance	Pass-through	National Academy Of Sciences Total		7,567	
98.011	Global Development Alliance	Pass-through	Right To Care	20175168:1	38,101	
98.011	Global Development Alliance	Pass-through	Right To Care Total		38,101	
98.011	Global Development Alliance Total				45,668	
98.RD		Direct	U.S. Agency For International Development (USAID)	7200AA19LE00004	1,065,656	
98.RD		Direct	U.S. Agency For International Development (USAID) Total		1,065,656	
98.RD		Pass-through	Global Alliance For Improved Nutrition	201864738	54,267	
98.RD		Pass-through	Global Alliance For Improved Nutrition Total		54,267	
98.RD		Pass-through	International Maize And Wheat Improvement Center	IWYP76FP	2,434	
98.RD		Pass-through	International Maize And Wheat Improvement Center Total		2,434	
98.RD		Pass-through	JSI Research And Training Institute, Inc.	UCD-UAN-1	19,793	
98.RD		Pass-through	JSI Research And Training Institute, Inc. Total		19,793	
98.RD		Pass-through	Michigan State University	011520	39,160	12,500
98.RD		Pass-through	Michigan State University	RC107526 UC DAVIS	67,534	
98.RD		Pass-through	Michigan State University Total		106,694	12,500
98.RD		Pass-through	National Academy Of Sciences	2000007151	43,740	
98.RD		Pass-through	National Academy Of Sciences	AID0AAA1100012	48,979	
98.RD		Pass-through	National Academy Of Sciences	B6918	(5,120)	
98.RD		Pass-through	National Academy Of Sciences Total		87,599	
98.RD	Total				1,336,443	12,500
99.RD		Direct	Other Federal Agencies	Various	30,068	
99.RD		Direct	Other Federal Agencies Total		30,068	
99.RD		Direct	Intelligence Advanced Research Projects Activity (IARPA)	2019-19010200003	571,952	
99.RD		Direct	Intelligence Advanced Research Projects Activity (IARPA) Total		571,952	
99.RD		Pass-through	Accordel Inc.	87C3D	48,782	
99.RD		Pass-through	Accordel Inc. Total		48,782	
99.RD		Pass-through	Actasys Inc.	80NSSC18C0028	56,139	
99.RD		Pass-through	Actasys Inc. Total		56,139	
99.RD		Pass-through	Advanced Life Technologies LLC	W81XWH18C0095	12,966	
99.RD		Pass-through	Advanced Life Technologies LLC Total		12,966	
99.RD		Pass-through	Aerodyne Research, Inc.	ARI 11423-1	168,632	
99.RD		Pass-through	Aerodyne Research, Inc. Total		168,632	
99.RD		Pass-through	Aerospace Corporation	20182871:01	50,373	
99.RD		Pass-through	Aerospace Corporation	4600006688	5,178	
99.RD		Pass-through	Aerospace Corporation	4600006725	35,153	
99.RD		Pass-through	Aerospace Corporation	57202	(3,733)	
99.RD		Pass-through	Aerospace Corporation Total		86,971	
99.RD		Pass-through	Agnitron Technology, Inc.	SB180133	58,301	
99.RD		Pass-through	Agnitron Technology, Inc.	SB190231	256,168	
99.RD		Pass-through	Agnitron Technology, Inc. Total		314,469	
99.RD		Pass-through	Alliance For Sustainable Energy, LLC	SUB XHR-9-92278-01(DE-AC36-08G)	32,000	
99.RD		Pass-through	Alliance For Sustainable Energy, LLC Total		32,000	
99.RD		Pass-through	American Public Health Association	SB200055	2,272	
99.RD		Pass-through	American Public Health Association Total		2,272	
99.RD		Pass-through	Ames Laboratory	SC-19-492	307,892	
99.RD		Pass-through	Ames Laboratory Total		307,892	
99.RD		Pass-through	Angstrom Designs Engrg Servs	NASA STTR UCSB 101617-UCSB04	49,371	
99.RD		Pass-through	Angstrom Designs Engrg Servs Total		49,371	
99.RD		Pass-through	Apitma, Inc.	87C00	117,670	
99.RD		Pass-through	Apitma, Inc. Total		117,670	
99.RD		Pass-through	Arete Associates, Inc.	AZ-401259	30,507	
99.RD		Pass-through	Arete Associates, Inc. Total		30,507	
99.RD		Pass-through	Arizona State University/Tempe	17-253-06	39,453	
99.RD		Pass-through	Arizona State University/Tempe	ASUB000000021	497,834	
99.RD		Pass-through	Arizona State University/Tempe	ASUB000000244	806,940	
99.RD		Pass-through	Arizona State University/Tempe Total		1,344,256	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	89AE3	78,799	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-AR-15014.003-A	69,489	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-AR-15032.002-A	45,046	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-AR-15039.003-A	19,773	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-AR-15797.001-A	19,909	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14808.002-A	132,510	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14872.003-A	6,716	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-14936.001-A	51,018	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15145.003-A	16,110	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15356.002-A	34,970	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15412.004-A	832	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15476.001-A	26,219	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15640.003-A	20,288	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15653.001-A	930	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15889.002-A	2,651	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15901.001-A	27,807	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-GO-15902.001-A	3,397	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-HF2-51405.001-A	101,887	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-HF2-51412.001-A	92,978	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	HST-HF2-51442.001-A	66,622	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	JWST-ERS-01334.001-A	82,716	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	JWST-ERS-01373.001-A	11,041	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	JWST-ERS-01386.009-A	314	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	SUB HST-GO- 15461.001-A (NAS5-	13,906	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	SUB HST-GO- 15889.019-A (NAS5-	674	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	SUB HST-GO-14606.006-A (NAS5-	17,666	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	SUB HST-GO-14610.010-A (NAS5-2	395	
99.RD		Pass-through	Association Of Universities For Research In Astronomy	Association Of Universities For Research In Astronomy Total	944,671	
99.RD		Pass-through	Atanalytics	AT-SC001	205	
99.RD		Pass-through	Atanalytics Total		205	
99.RD		Pass-through	Atmospheric & Space Technology Research Associates, LLC	20195051	137,858	
99.RD		Pass-through	Atmospheric & Space Technology Research Associates, LLC Total		137,858	
99.RD		Pass-through	Atom Optoelectronics Inc.	W911NF19P0026	44,719	
99.RD		Pass-through	Atom Optoelectronics Inc. Total		44,719	
99.RD		Pass-through	Atom, Inc.	20194996	53,966	
99.RD		Pass-through	Atom, Inc. Total		53,966	
99.RD		Pass-through	Atox Bio	SUB ATB-202 (HHSO1002014000013	6,457	
99.RD		Pass-through	Atox Bio Total		6,457	
99.RD		Pass-through	BAE Systems (Great Britain)	1017370	71,599	
99.RD		Pass-through	BAE Systems (Great Britain)	1025513	118,066	
99.RD		Pass-through	BAE Systems (Great Britain) Total		189,665	
99.RD		Pass-through	Barron Associates, Inc.	574-SC01	36,622	
99.RD		Pass-through	Barron Associates, Inc. Total		36,622	
99.RD		Pass-through	Battelle Energy Alliance, LLC (BEA)	234348	1,291	
99.RD		Pass-through	Battelle Energy Alliance, LLC (BEA)	77644	24,679	
99.RD		Pass-through	Battelle Energy Alliance, LLC (BEA) Total		25,970	
99.RD		Pass-through	Battelle Memorial Institute	217103	53,093	

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99 RD		Pass-through	Battelle Memorial Institute	231075	30,865	
99 RD		Pass-through	Battelle Memorial Institute Total		33,958	
99 RD		Pass-through	Biomimetix Jv, LLC	BMX-HN-001	113,056	
99 RD		Pass-through	Biomimetix Jv, LLC	PROTOCOL 00062660	5,874	
99 RD		Pass-through	Biomimetix Jv, LLC Total		118,930	
99 RD		Pass-through	Boeing Company, The	1468949	(598)	
99 RD		Pass-through	Boeing Company, The Total		(998)	
99 RD		Pass-through	Booz Allen Hamilton Inc.	27861	(1,337)	
99 RD		Pass-through	Booz Allen Hamilton Inc.	S901742BAH TO 1	57,419	
99 RD		Pass-through	Booz Allen Hamilton Inc.	S901742BAH TO 2	55,436	
99 RD		Pass-through	Booz Allen Hamilton Inc. Total		111,317	
99 RD		Pass-through	Boron Specialties, LLC	20181672	38,418	
99 RD		Pass-through	Boron Specialties, LLC Total		38,418	
99 RD		Pass-through	Burleson Consulting, Inc.	59035	364	
99 RD		Pass-through	Burleson Consulting, Inc. Total		364	
99 RD		Pass-through	Busek Co. Inc.	20192994	49,594	
99 RD		Pass-through	Busek Co. Inc. Total		49,594	
99 RD		Pass-through	California Association For Research In Astronomy	78131	(254)	
99 RD		Pass-through	California Association For Research In Astronomy Total		(254)	
99 RD		Pass-through	California Department Of Public Health	182FG	4,897	
99 RD		Pass-through	California Department Of Public Health Total		4,897	
99 RD		Pass-through	California Olive Committee	A20-0061	4,320	
99 RD		Pass-through	California Olive Committee Total		4,320	
99 RD		Pass-through	California State University	X0131117-UCSB0	6,655	
99 RD		Pass-through	California State University Total		6,655	
99 RD		Pass-through	Caltrans California Department Of Transportation	65A0638	71,733	
99 RD		Pass-through	Caltrans California Department Of Transportation Total		71,733	
99 RD		Pass-through	Chemelectronics LLC	20190862	15,238	
99 RD		Pass-through	Chemelectronics LLC Total		15,238	
99 RD		Pass-through	Cognionics, Inc.	SUB UCS093016	111,428	
99 RD		Pass-through	Cognionics, Inc. Total	(W81XWH-18-C-00	111,428	
99 RD		Pass-through	Collins Aerospace	87D61	11,806	
99 RD		Pass-through	Collins Aerospace Total		11,806	
99 RD		Pass-through	Colorado School Of Mines	401245-5803	92,499	
99 RD		Pass-through	Colorado School Of Mines Total		92,499	
99 RD		Pass-through	Colorado State University	G-01688-01-2	65,917	
99 RD		Pass-through	Colorado State University Total		65,917	
99 RD		Pass-through	Columbia University	1(GG013668-01)	38,323	
99 RD		Pass-through	Columbia University Total		38,323	
99 RD		Pass-through	Cooperative Ecosystem Studies Units	20200160-01	25,167	
99 RD		Pass-through	Cooperative Ecosystem Studies Units Total		25,167	
99 RD		Pass-through	CSA Ocean Sciences Inc.	CSA # 3495	41,122	
99 RD		Pass-through	CSA Ocean Sciences Inc. Total		41,122	
99 RD		Pass-through	Dana-Farber Cancer Institute	SUB 20171987(NONE)	8,325	
99 RD		Pass-through	Dana-Farber Cancer Institute Total		8,325	
99 RD		Pass-through	DCS Corporation	192798	50,604	
99 RD		Pass-through	DCS Corporation	87A92	166,327	
99 RD		Pass-through	DCS Corporation Total		216,931	
99 RD		Pass-through	Dimagi, Inc	1R43DA050218-01	5,471	
99 RD		Pass-through	Dimagi, Inc Total		5,471	
99 RD		Pass-through	Distant Focus Corporation	SUB P4010 (W15QKN-17-C-0008)	122,432	
99 RD		Pass-through	Distant Focus Corporation Total		122,432	
99 RD		Pass-through	Duke University	235432-2	1,725	
99 RD		Pass-through	Duke University	HHSN- 275201000003I	62	
99 RD		Pass-through	Duke University	HHSN27500037	7,568	
99 RD		Pass-through	Duke University	SUB 243797(HHSN-275201800003I)	16,529	
99 RD		Pass-through	Duke University Total		25,885	
99 RD		Pass-through	Emory University	87C1C	131,910	
99 RD		Pass-through	Emory University Total		131,910	
99 RD		Pass-through	Enlity Corp.	877E8	26,616	
99 RD		Pass-through	Enlity Corp.	SUB PO-0011431 14463-PETTT-UCS	18,183	
99 RD		Pass-through	Enlity Corp. Total		44,799	
99 RD		Pass-through	ERC, Incorporated	PO NO. PS150006	52,011	
99 RD		Pass-through	ERC, Incorporated	PO NO. PS190051	28,459	
99 RD		Pass-through	ERC, Incorporated Total		80,470	
99 RD		Pass-through	Fast-Track Drugs & Biologics, LLC	HHSN27500008-1078-NCIG7-UCLA	(42,052)	
99 RD		Pass-through	Fast-Track Drugs & Biologics, LLC Total		(42,052)	
99 RD		Pass-through	First RF Corporation	8785G	49	
99 RD		Pass-through	First RF Corporation	8792D	349	
99 RD		Pass-through	First RF Corporation Total		398	
99 RD		Pass-through	Fit Genetics, Inc.	W911NF20P0015	16,123	
99 RD		Pass-through	Fit Genetics, Inc. Total		16,123	
99 RD		Pass-through	Forward Photonics, LLC	20183067	47,022	
99 RD		Pass-through	Forward Photonics, LLC	20200653	100,607	
99 RD		Pass-through	Forward Photonics, LLC	77852	(979)	
99 RD		Pass-through	Forward Photonics, LLC Total		146,651	
99 RD		Pass-through	Fred Hutchinson Cancer Research Center	SUB 0000865653 (HHSN2682016000	60,513	
99 RD		Pass-through	Fred Hutchinson Cancer Research Center Total		60,513	
99 RD		Pass-through	Freedom Photonics LLC	S7107-01	126,689	
99 RD		Pass-through	Freedom Photonics LLC	S7132-01	197,633	
99 RD		Pass-through	Freedom Photonics LLC	S7135-02	92,186	
99 RD		Pass-through	Freedom Photonics LLC	S7144-02	51,061	
99 RD		Pass-through	Freedom Photonics LLC Total		467,569	
99 RD		Pass-through	Galois Inc	2015-007	175,263	
99 RD		Pass-through	Galois Inc Total		175,263	
99 RD		Pass-through	Garvan Institute Of Medical Research	APP1122227	5,651	
99 RD		Pass-through	Garvan Institute Of Medical Research Total		5,651	
99 RD		Pass-through	GE Global Research	PO #401139489	88,752	
99 RD		Pass-through	GE Global Research Total		88,752	
99 RD		Pass-through	General Atomics	878E8	174,808	
99 RD		Pass-through	General Atomics	87C5D	61,377	
99 RD		Pass-through	General Atomics Total		236,185	
99 RD		Pass-through	Genxcomm, Inc.	062218-1	3,301	
99 RD		Pass-through	Genxcomm, Inc. Total		3,301	
99 RD		Pass-through	Global Algae Innovations	171038	324,804	
99 RD		Pass-through	Global Algae Innovations Total		324,804	
99 RD		Pass-through	Health Research And Education Trust	77738	(7,429)	
99 RD		Pass-through	Health Research And Education Trust Total		(7,429)	
99 RD		Pass-through	Hennepin Healthcare Research Institute	20180148.01	83,362	
99 RD		Pass-through	Hennepin Healthcare Research Institute	75N94019C00006	34,408	
99 RD		Pass-through	Hennepin Healthcare Research Institute Total		117,770	
99 RD		Pass-through	Henningson, Durham & Richardson, Inc.	HDR MSA 1000300000780, TO 3 -	252,369	
99 RD		Pass-through	Henningson, Durham & Richardson, Inc. Total		252,369	
99 RD		Pass-through	Honeywell International Inc.	3503225260E	296,549	
99 RD		Pass-through	Honeywell International Inc.	3503622896E	536,216	
99 RD		Pass-through	Honeywell International Inc. Total		832,765	
99 RD		Pass-through	HRL Laboratories, LLC	16129-173125-QS	25,301	
99 RD		Pass-through	HRL Laboratories, LLC	19006-2X0805-QS	9,399	
99 RD		Pass-through	HRL Laboratories, LLC Total		34,701	
99 RD		Pass-through	ICF International, Inc.	TASK 0028	82,641	
99 RD		Pass-through	ICF International, Inc.	TASK32	196,406	
99 RD		Pass-through	ICF International, Inc. Total		279,046	
99 RD		Pass-through	Incorporated Research Institutions For Seismology	87B50	153,472	
99 RD		Pass-through	Incorporated Research Institutions For Seismology Total		153,472	
99 RD		Pass-through	International Business Machines Corporation	4918005468	24,350	

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99 RD		Pass-through	International Business Machines Corporation	CW2926115	740,382	
99 RD		Pass-through	International Business Machines Corporation Total		764,732	
99 RD		Pass-through	International Computer Science Institute	27500-1	76,318	
99 RD		Pass-through	International Computer Science Institute Total		76,318	
99 RD		Pass-through	Jacobs Technology	RAPT11-0000000002	16,700	
99 RD		Pass-through	Jacobs Technology	RAPT11-0000000003	18,493	
99 RD		Pass-through	Jacobs Technology Total		35,193	
99 RD		Pass-through	Jet Propulsion Laboratory	1576353.005	44,250	
99 RD		Pass-through	Jet Propulsion Laboratory	1576945	82,351	
99 RD		Pass-through	Jet Propulsion Laboratory	1578100.002	22,802	
99 RD		Pass-through	Jet Propulsion Laboratory	1578669.011	1,274,298	
99 RD		Pass-through	Jet Propulsion Laboratory	1580267.004	258,396	
99 RD		Pass-through	Jet Propulsion Laboratory	1581189	70	
99 RD		Pass-through	Jet Propulsion Laboratory	1581388.002	10,935	
99 RD		Pass-through	Jet Propulsion Laboratory	1584220	192,630	
99 RD		Pass-through	Jet Propulsion Laboratory	1585610.002	41,179	
99 RD		Pass-through	Jet Propulsion Laboratory	1587173.002	54,314	
99 RD		Pass-through	Jet Propulsion Laboratory	1587631.004	27,158	
99 RD		Pass-through	Jet Propulsion Laboratory	1590158.002	109,395	
99 RD		Pass-through	Jet Propulsion Laboratory	1591172	30,765	
99 RD		Pass-through	Jet Propulsion Laboratory	1591277.002	442,952	52,153
99 RD		Pass-through	Jet Propulsion Laboratory	1594400.001	58,648	
99 RD		Pass-through	Jet Propulsion Laboratory	1594502	21,101	
99 RD		Pass-through	Jet Propulsion Laboratory	1596092.006	160,543	
99 RD		Pass-through	Jet Propulsion Laboratory	1599801.002	118,799	
99 RD		Pass-through	Jet Propulsion Laboratory	1603071.001	113,508	
99 RD		Pass-through	Jet Propulsion Laboratory	1606278	40,728	
99 RD		Pass-through	Jet Propulsion Laboratory	1607035.002	10,030	
99 RD		Pass-through	Jet Propulsion Laboratory	1607550	3,813	
99 RD		Pass-through	Jet Propulsion Laboratory	1607668	39,815	
99 RD		Pass-through	Jet Propulsion Laboratory	1608189	156,809	
99 RD		Pass-through	Jet Propulsion Laboratory	1608885	3,527	
99 RD		Pass-through	Jet Propulsion Laboratory	1614568	15,307	
99 RD		Pass-through	Jet Propulsion Laboratory	1614619	42,571	
99 RD		Pass-through	Jet Propulsion Laboratory	1615143	32,357	
99 RD		Pass-through	Jet Propulsion Laboratory	1615465	20,051	
99 RD		Pass-through	Jet Propulsion Laboratory	1615472	5,868	
99 RD		Pass-through	Jet Propulsion Laboratory	1616122	13,256	
99 RD		Pass-through	Jet Propulsion Laboratory	1616469	43,106	
99 RD		Pass-through	Jet Propulsion Laboratory	1616608	11,044	
99 RD		Pass-through	Jet Propulsion Laboratory	1617451	29,019	
99 RD		Pass-through	Jet Propulsion Laboratory	1617725	50,259	
99 RD		Pass-through	Jet Propulsion Laboratory	1620598	31,566	
99 RD		Pass-through	Jet Propulsion Laboratory	1620602	15,599	
99 RD		Pass-through	Jet Propulsion Laboratory	1622985	26,037	
99 RD		Pass-through	Jet Propulsion Laboratory	1623514	25,240	
99 RD		Pass-through	Jet Propulsion Laboratory	1623639	42,426	
99 RD		Pass-through	Jet Propulsion Laboratory	1625549	11,563	
99 RD		Pass-through	Jet Propulsion Laboratory	1625574	8,229	
99 RD		Pass-through	Jet Propulsion Laboratory	1626612	29,233	
99 RD		Pass-through	Jet Propulsion Laboratory	1626945	40,520	
99 RD		Pass-through	Jet Propulsion Laboratory	1628037	31,472	
99 RD		Pass-through	Jet Propulsion Laboratory	1628771	123,755	
99 RD		Pass-through	Jet Propulsion Laboratory	1629061	19,591	
99 RD		Pass-through	Jet Propulsion Laboratory	1629337	123,068	
99 RD		Pass-through	Jet Propulsion Laboratory	1629802	62,549	
99 RD		Pass-through	Jet Propulsion Laboratory	1629903	7,350	
99 RD		Pass-through	Jet Propulsion Laboratory	1629907	7,350	
99 RD		Pass-through	Jet Propulsion Laboratory	1629909	105,989	
99 RD		Pass-through	Jet Propulsion Laboratory	1629914	72,711	
99 RD		Pass-through	Jet Propulsion Laboratory	1630045	9,350	
99 RD		Pass-through	Jet Propulsion Laboratory	1630317	8,350	
99 RD		Pass-through	Jet Propulsion Laboratory	1630783	7,350	
99 RD		Pass-through	Jet Propulsion Laboratory	1631475	7,350	
99 RD		Pass-through	Jet Propulsion Laboratory	1632602	6,928	
99 RD		Pass-through	Jet Propulsion Laboratory	1632915.001	44,238	
99 RD		Pass-through	Jet Propulsion Laboratory	1633131.001	19,922	
99 RD		Pass-through	Jet Propulsion Laboratory	1633148	92,282	
99 RD		Pass-through	Jet Propulsion Laboratory	1633261	9,954	
99 RD		Pass-through	Jet Propulsion Laboratory	1633687	214,561	
99 RD		Pass-through	Jet Propulsion Laboratory	1634085	1,018	
99 RD		Pass-through	Jet Propulsion Laboratory	1635212	58,056	
99 RD		Pass-through	Jet Propulsion Laboratory	1635953	51,813	
99 RD		Pass-through	Jet Propulsion Laboratory	1636504	75,241	
99 RD		Pass-through	Jet Propulsion Laboratory	1638198	43,768	
99 RD		Pass-through	Jet Propulsion Laboratory	1638563	49,955	
99 RD		Pass-through	Jet Propulsion Laboratory	1638703.001	17,796	
99 RD		Pass-through	Jet Propulsion Laboratory	1638718	18,939	
99 RD		Pass-through	Jet Propulsion Laboratory	1639120	44,534	
99 RD		Pass-through	Jet Propulsion Laboratory	1639254	59,748	
99 RD		Pass-through	Jet Propulsion Laboratory	1639576	8,566	
99 RD		Pass-through	Jet Propulsion Laboratory	1639672	64,525	
99 RD		Pass-through	Jet Propulsion Laboratory	1639678	38,492	
99 RD		Pass-through	Jet Propulsion Laboratory	1640078	27,272	
99 RD		Pass-through	Jet Propulsion Laboratory	1640124	21,123	
99 RD		Pass-through	Jet Propulsion Laboratory	1640374	17,713	
99 RD		Pass-through	Jet Propulsion Laboratory	1640384	29,301	
99 RD		Pass-through	Jet Propulsion Laboratory	1641635	13,331	
99 RD		Pass-through	Jet Propulsion Laboratory	1641978	52,060	
99 RD		Pass-through	Jet Propulsion Laboratory	1642480	21,095	
99 RD		Pass-through	Jet Propulsion Laboratory	1643218	45,956	
99 RD		Pass-through	Jet Propulsion Laboratory	1643548	25,000	
99 RD		Pass-through	Jet Propulsion Laboratory	1644047	112,182	
99 RD		Pass-through	Jet Propulsion Laboratory	1644339	8,887	
99 RD		Pass-through	Jet Propulsion Laboratory	1646863	8,067	
99 RD		Pass-through	Jet Propulsion Laboratory	1647094	25,718	
99 RD		Pass-through	Jet Propulsion Laboratory	1647832	5,646	
99 RD		Pass-through	Jet Propulsion Laboratory	1648458	3,850	
99 RD		Pass-through	Jet Propulsion Laboratory	1649182	35,101	
99 RD		Pass-through	Jet Propulsion Laboratory	1649356	6,999	
99 RD		Pass-through	Jet Propulsion Laboratory	1650617	48,339	
99 RD		Pass-through	Jet Propulsion Laboratory	1651256	14,830	
99 RD		Pass-through	Jet Propulsion Laboratory	27900	122,829	
99 RD		Pass-through	Jet Propulsion Laboratory	27944	1,386	
99 RD		Pass-through	Jet Propulsion Laboratory	78040	(4,447)	
99 RD		Pass-through	Jet Propulsion Laboratory	78065	(6,677)	
99 RD		Pass-through	Jet Propulsion Laboratory	78188	(10)	
99 RD		Pass-through	Jet Propulsion Laboratory	SUB1588114 (NONE)	57,453	
99 RD		Pass-through	Jet Propulsion Laboratory Total		6,012,227	52,153
99 RD		Pass-through	Johns Hopkins University	042646	88,460	
99 RD		Pass-through	Johns Hopkins University	118127.4	3,721	
99 RD		Pass-through	Johns Hopkins University	151384.1	137,045	
99 RD		Pass-through	Johns Hopkins University	LDR 38	6,039	
99 RD		Pass-through	Johns Hopkins University Total		237,264	
99 RD		Pass-through	Jptechnologies, Inc.	20202410	76,947	
99 RD		Pass-through	Jptechnologies, Inc. Total		76,947	
99 RD		Pass-through	Kaiser Permanente Division Of Research	OOS030284 - UCSF	26,303	
99 RD		Pass-through	Kaiser Permanente Division Of Research Total		26,303	
99 RD		Pass-through	Kimetrika LLC	SB200070	51,541	
99 RD		Pass-through	Kimetrika LLC Total		51,541	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	27799	61	

University of California
Schedule of Expenditures of Federal Awards

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June 30, 2020
(Expressed in whole dollars \$)

Research And Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
99 RD		Pass-through	Lawrence Livermore National Security, LLC	27876	4,335	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	77598	(366)	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	80940	45	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	87D49	81,330	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B623027-1	83,358	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B626618	65,923	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B631991	59,164	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B627365-1	69,690	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B627880	514	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B629225	1,180	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B629453-4	309,136	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B630009	24,825	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B630453	120,797	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B631991	58,387	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B633478	60,935	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B634021	390,981	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B634373	29,796	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B634451	27,401	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B635445	79,653	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B635645	97,298	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B636074	2,004	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B636286-000	45,929	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B636691	51,218	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B637109	30,292	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B639054	13,863	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B639330	31,475	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B639633	17,301	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B639861	13,238	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	B639885		
99 RD		Pass-through	Lawrence Livermore National Security, LLC	SUB B632472 (B623353)	55,480	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	SUB B635525 (B623353)	20,000	
99 RD		Pass-through	Lawrence Livermore National Security, LLC	SUB B636661 (B623353)	61,380	
99 RD		Pass-through	Lawrence Livermore National Security, LLC Total		1,906,623	
99 RD		Pass-through	Leidos, Inc.	20180936	626,640	
99 RD		Pass-through	Leidos, Inc. Total		626,640	
99 RD		Pass-through	Linked, Inc.	20175172	43,422	
99 RD		Pass-through	Linked, Inc. Total		43,422	
99 RD		Pass-through	Longwave Photonics LLC	20192903	102,175	
99 RD		Pass-through	Longwave Photonics LLC	57371	(8,443)	
99 RD		Pass-through	Longwave Photonics LLC Total		93,732	
99 RD		Pass-through	Los Alamos National Security, LLC	27758	3,731	
99 RD		Pass-through	Los Alamos National Security, LLC	419069	70,970	
99 RD		Pass-through	Los Alamos National Security, LLC	466292-2	37,075	
99 RD		Pass-through	Los Alamos National Security, LLC	468451	(11,145)	
99 RD		Pass-through	Los Alamos National Security, LLC	487034	18,067	
99 RD		Pass-through	Los Alamos National Security, LLC	525705	177,779	
99 RD		Pass-through	Los Alamos National Security, LLC Total		296,476	
99 RD		Pass-through	Los Angeles Police Foundation	20144647	35,779	
99 RD		Pass-through	Los Angeles Police Foundation Total		35,779	
99 RD		Pass-through	Loyola University Of Chicago	SUB 206499 (DK104718)	78,103	
99 RD		Pass-through	Loyola University Of Chicago Total		78,103	
99 RD		Pass-through	Luna Innovations Incorporated	3500.02UCSB	68,776	
99 RD		Pass-through	Luna Innovations Incorporated	3525.02UCSB	55,743	
99 RD		Pass-through	Luna Innovations Incorporated Total		124,519	
99 RD		Pass-through	Manufacturing Techniques, Inc.	35696	43,256	
99 RD		Pass-through	Manufacturing Techniques, Inc. Total		43,256	
99 RD		Pass-through	Massachusetts General Hospital	SUB	(22,384)	
99 RD		Pass-through	Massachusetts General Hospital Total		(22,384)	
99 RD		Pass-through	Massachusetts Institute Of Technology	A135069	29,522	
99 RD		Pass-through	Massachusetts Institute Of Technology	S5013	10,087	
99 RD		Pass-through	Massachusetts Institute Of Technology Total		39,609	
99 RD		Pass-through	Maxentric Technologies LLC	20184852	8,457	
99 RD		Pass-through	Maxentric Technologies LLC	20201528	35,437	
99 RD		Pass-through	Maxentric Technologies LLC	HQ0727-20-C-0004	28,359	
99 RD		Pass-through	Maxentric Technologies LLC	SUB UCSD-3948-1		
99 RD		Pass-through	Maxentric Technologies LLC	(FA8750-20-C-1	6,505	
99 RD		Pass-through	Maxentric Technologies LLC Total		78,758	
99 RD		Pass-through	Medical Science And Computing, LLC	S-2018-001-UCSF-BCBB	450,904	
99 RD		Pass-through	Medical Science And Computing, LLC Total		450,904	
99 RD		Pass-through	Midwest Research Inst	Various	322	
99 RD		Pass-through	Midwest Research Inst	XEJ-9-82309-01:1	30,150	
99 RD		Pass-through	Midwest Research Inst	XEJ-9-92047-01	50,991	
99 RD		Pass-through	Midwest Research Inst Total		81,464	
99 RD		Pass-through	Miros, Inc.	A-19-0461-0001	45,000	
99 RD		Pass-through	Miros, Inc.	A-19-0509-0002	35,859	
99 RD		Pass-through	Miros, Inc. Total		80,859	
99 RD		Pass-through	Mission Support And Test Services LLC	226163	44,400	
99 RD		Pass-through	Mission Support And Test Services LLC	226163 TASK ORDER NO.		
99 RD		Pass-through	Mission Support And Test Services LLC Total		7,032	
99 RD		Pass-through	Mixcomm Incorporated	SB200241	25,382	
99 RD		Pass-through	Mixcomm Incorporated Total		25,382	
99 RD		Pass-through	Morton Photonics	MP-UCSB-08	96,128	
99 RD		Pass-through	Morton Photonics	MP-UCSB-09	279,486	
99 RD		Pass-through	Morton Photonics	MP-UCSB-10	132,981	
99 RD		Pass-through	Morton Photonics	MP-UCSB-11	185,042	
99 RD		Pass-through	Morton Photonics	MP-UCSB-12	90,959	
99 RD		Pass-through	Morton Photonics Total		784,594	
99 RD		Pass-through	Mosaic Materials	048876	5,353	
99 RD		Pass-through	Mosaic Materials Total		5,353	
99 RD		Pass-through	National Fish And Wildlife Foundation	0806.18.059767	1,518	
99 RD		Pass-through	National Fish And Wildlife Foundation	0806.18.059850	35,300	28,361
99 RD		Pass-through	National Fish And Wildlife Foundation	0806.19.064532	48,538	
99 RD		Pass-through	National Fish And Wildlife Foundation	0806.19.064580	137,773	
99 RD		Pass-through	National Fish And Wildlife Foundation Total		223,129	28,361
99 RD		Pass-through	National Kidney Foundation	4063	13,347	
99 RD		Pass-through	National Kidney Foundation Total		13,347	
99 RD		Pass-through	National Opinion Research Center	8617 SIREN.01	64,725	
99 RD		Pass-through	National Opinion Research Center Total		64,725	
99 RD		Pass-through	National Society To Prevent Blindness	A131119	15,297	
99 RD		Pass-through	National Society To Prevent Blindness Total		15,297	
99 RD		Pass-through	National Technology And Engineering Solutions Of Sandia, LLC	1862252-2	2,603	
99 RD		Pass-through	National Technology And Engineering Solutions Of Sandia, LLC Total		2,603	
99 RD		Pass-through	Nevada System Of Higher Education	UNR 17-70	45,056	
99 RD		Pass-through	Nevada System Of Higher Education Total		45,056	
99 RD		Pass-through	Nexus Photonics, LLC	80NSSC18P2147	3,506	
99 RD		Pass-through	Nexus Photonics, LLC	80NSSC20C0034	53,924	
99 RD		Pass-through	Nexus Photonics, LLC Total		57,430	
99 RD		Pass-through	Nimbis Services	NIMBIS-F-1605-UCSB	127,179	
99 RD		Pass-through	Nimbis Services Total		127,179	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84009 - 02 - 444988	187,804	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84014 - 02 - 444988	19,880	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84041 - 02 - 444988	59,161	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84053 - 02 - 444951	10,675	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84057 - 02 - 444951	129,516	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84076 - 02 - 444988	139,509	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84082 -02 -444988	105,023	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84097 -02 -444653	111,841	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84098 -02 -444988	52,217	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84126 -02 -444653	76,612	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84127 -02 -444988	177,990	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84128 -02 -444653	19,386	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84132 -02 -444988	37,941	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84140 -02 -444947	21,849	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84153 -02 -444988	100,748	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84162 -02 -444988	100,002	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84166 -02 -444988	43,215	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84184 -02 -444951	51,220	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84188 -02 -444949	68,102	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84193 -02 -444927	17,591	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84201 -01 -557755	12,256	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84204 -01 -444988	76,492	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84205 -01 -446306	27,499	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84211 -01 -444653	54,565	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84215 -01 -444988	28,219	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84219 -01 -444908	46,860	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84220 -01 -444951	289,465	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84224 -01 -444988	24,066	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84227 -01 -444653	134,501	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84238 -01 -444957	(6,567)	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	84246 -01 -444988	175,046	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A127370	45,814	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A128267	121,740	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A128585	62,510	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A128599	51,292	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A128690	197,102	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A128691	105,853	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A128696	39,279	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A128699	12,338	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A128700	182,282	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A128711	52,160	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A128785	66,415	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A129048	18,445	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A129093	129,646	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A129240	37,054	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A129436	15,131	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A129704	9,131	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A129779	9,683	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A129903	15,815	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A130273	22,695	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A130363	68,400	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A130434	23,170	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A130522	63,105	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A130536	4,407	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A130930	30,691	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A130981	144,861	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A131114	22,911	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A131214	27,782	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A131340	5,279	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A131350	73,593	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A131631	16,004	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A131659	79,546	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A131845	180,385	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A132125	1,391	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A132126	6,440	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A132232	31,990	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A132282	46,890	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A132360	17,499	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A132520	12,621	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A132558	7	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A132718	65,783	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A132721	55,351	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A133123	74,943	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A133126	28,910	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A133311	165,839	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A133634	18,997	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A133635	16,821	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A133813	7,049	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A133852	31,216	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A133865	9,355	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A133873	138,580	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A133881	28,394	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A133884	171,462	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A133981	32,574	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A134049	11,386	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A134102	17,646	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A134156	15,965	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A134157	29,216	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A134218	58,372	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A134218	116,635	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A134288	26,948	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A134319	66,447	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A134356	14,912	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A134728	38,444	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A135148	26,402	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	A135235	3,083	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	B1949	(34,374)	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	JPA - MAGUEN	11,680	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	JPA - MAKASHINA	217,607	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	JPA - MUKHERJEE	37,307	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	JPA - RUBINSKY	5,252	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	JPA - CHEN	48,867	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	JPA - COHEN	63,249	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	JPA - HARALD	80,046	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	JPA - LEE	158,127	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	JPA - MACKIN	46,252	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	JPA - SALONER	89,387	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	JPA - SMITH	128,890	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc	JPA - SUDORE	13,856	
99 RD		Pass-through	Northern California Institute For Research And Education, Inc Total		6,578,110	
99 RD		Pass-through	Northrop Grumman Corporation	8140000936	119,753	
99 RD		Pass-through	Northrop Grumman Corporation	PO 3037964	76,196	
99 RD		Pass-through	Northrop Grumman Corporation Total		195,949	
99 RD		Pass-through	Oak Ridge Associated Universities	SB190033	14,486	
99 RD		Pass-through	Oak Ridge Associated Universities Total		14,486	
99 RD		Pass-through	Oceanit Laboratories, Inc.	20195308	43,131	
99 RD		Pass-through	Oceanit Laboratories, Inc. Total		43,131	
99 RD		Pass-through	Oewaves	80NSSC19C0368	18,672	
99 RD		Pass-through	Oewaves Total		18,672	
99 RD		Pass-through	Ology Bioservices, Inc.	23SEP2019-STRINGER-		
99 RD		Pass-through	Ology Bioservices, Inc. Total	UCSF-R	729,729	
99 RD		Pass-through	Operant Solar Corporation	20200778	42,386	
99 RD		Pass-through	Operant Solar Corporation Total		42,386	
99 RD		Pass-through	Opto-Knowledge Systems, Inc.	19032901	42,862	
99 RD		Pass-through	Opto-Knowledge Systems, Inc.	19061301	85,000	

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99.RD		Pass-through	Opto-Knowledge Systems, Inc. Total		127,862	
99.RD		Pass-through	Palo Alto Research Center	87B09	41,953	
99.RD		Pass-through	Palo Alto Research Center Total		41,953	
99.RD		Pass-through	Pennsylvania State University	S17-23	(192,417)	
99.RD		Pass-through	Pennsylvania State University Total		(192,417)	
99.RD		Pass-through	Physical Sciences Inc.	83662-1991-46	60,210	
99.RD		Pass-through	Physical Sciences Inc. Total		60,210	
99.RD		Pass-through	Polaris Propulsion Labs Inc.	FA9300-19-P-1012	51,742	
99.RD		Pass-through	Polaris Propulsion Labs Inc. Total		51,742	
99.RD		Pass-through	Population Health Research Institute	2018-2167-PHRI	2,925	
99.RD		Pass-through	Population Health Research Institute Total		2,925	
99.RD		Pass-through	Population Services International	4442-UCSF-23 APR 18	491,821	
99.RD		Pass-through	Population Services International Total		491,821	
99.RD		Pass-through	Powertrain Inc.	190612-01	694,194	
99.RD		Pass-through	Powertrain Inc.	1980801-04	174,150	
99.RD		Pass-through	Powertrain Inc.	PURCHASE ORDER 180815-1	489,356	218,756
99.RD		Pass-through	Powertrain Inc.	PURCHASE ORDER 180926-1	822,485	
99.RD		Pass-through	Powertrain Inc.	PURCHASE ORDER 180928-02	705,537	441,867
99.RD		Pass-through	Powertrain Inc. Total		2,885,723	660,623
99.RD		Pass-through	Princeton Plasma Physics Laboratory	S015719-C-3	147,514	
99.RD		Pass-through	Princeton Plasma Physics Laboratory	SUB S015887-C (DE- AC02-09CH114	53,206	
99.RD		Pass-through	Princeton Plasma Physics Laboratory Total		200,720	
99.RD		Pass-through	Princeton University	SUB0000315	23,857	
99.RD		Pass-through	Princeton University Total		23,857	
99.RD		Pass-through	Profusa, Inc.	A132493	97,699	
99.RD		Pass-through	Profusa, Inc. Total		97,699	
99.RD		Pass-through	Public Health Institute	SUB 01486 (18-95423)	169,325	
99.RD		Pass-through	Public Health Institute Total		169,325	
99.RD		Pass-through	Public Policy Institute Of California	PPIC (20170091) IES	123,293	
99.RD		Pass-through	Public Policy Institute Of California Total		123,293	
99.RD		Pass-through	Purdue University	14000447-019	5,168	
99.RD		Pass-through	Purdue University Total		5,168	
99.RD		Pass-through	Questek Innovations LLC	1597	130,611	84,600
99.RD		Pass-through	Questek Innovations LLC Total		130,611	84,600
99.RD		Pass-through	Quinc.Tech LLC	QUINC.TECH 19109-2019- 3183	55,714	
99.RD		Pass-through	Quinc.Tech LLC Total		55,714	
99.RD		Pass-through	Radiabeam Technologies, LLC	20182832	75,214	
99.RD		Pass-through	Radiabeam Technologies, LLC	20182840	94,944	
99.RD		Pass-through	Radiabeam Technologies, LLC	20194565	17,922	
99.RD		Pass-through	Radiabeam Technologies, LLC Total		188,080	
99.RD		Pass-through	Radiasoft LLC	20191601	47,119	
99.RD		Pass-through	Radiasoft LLC Total		47,119	
99.RD		Pass-through	Radiation Monitoring Devices, Inc.	Various	13,817	
99.RD		Pass-through	Radiation Monitoring Devices, Inc. Total		13,817	
99.RD		Pass-through	Rand Corporation	9920180039-01	116,922	
99.RD		Pass-through	Rand Corporation	9920190017	27,032	
99.RD		Pass-through	Rand Corporation	9920190026-01	25,139	
99.RD		Pass-through	Rand Corporation	9920190075	34,281	
99.RD		Pass-through	Rand Corporation Total		203,374	
99.RD		Pass-through	Raytheon Bbn Technologies Corp.	4202036073	383,931	
99.RD		Pass-through	Raytheon Bbn Technologies Corp.	87814	121,293	
99.RD		Pass-through	Raytheon Bbn Technologies Corp.	90013	170,648	
99.RD		Pass-through	Raytheon Bbn Technologies Corp. Total		675,871	
99.RD		Pass-through	Re2 Inc.	19-400-0001-2008-STAR- UCLA	76,911	
99.RD		Pass-through	Re2 Inc. Total		76,911	
99.RD		Pass-through	Rice University	18719	73,532	
99.RD		Pass-through	Rice University Total		73,532	
99.RD		Pass-through	RTI International	29-312-0214448-65402L	224,420	
99.RD		Pass-through	RTI International Total		224,420	
99.RD		Pass-through	Rubicon Biotechnology LLC	RUBICON - UCLA - P0006	(2,865)	
99.RD		Pass-through	Rubicon Biotechnology LLC Total		(2,865)	
99.RD		Pass-through	Sa Photonics, Inc.	2039-UCLA0220	4,322	
99.RD		Pass-through	Sa Photonics, Inc. Total		4,322	
99.RD		Pass-through	San Diego County	8751A	376,378	
99.RD		Pass-through	San Diego County Total		376,378	
99.RD		Pass-through	Sc Solutions, Inc.	20194322	104,082	
99.RD		Pass-through	Sc Solutions, Inc. Total		104,082	
99.RD		Pass-through	Segana LLC	20190816	21,396	
99.RD		Pass-through	Segana LLC Total		21,396	
99.RD		Pass-through	Semi	20192490	437,117	100,000
99.RD		Pass-through	Semi Total		437,117	100,000
99.RD		Pass-through	Semiconductor Research Corporation	2018-JU-2778	5,384,154	3,346,962
99.RD		Pass-through	Semiconductor Research Corporation	57326	(74,533)	
99.RD		Pass-through	Semiconductor Research Corporation Total		5,309,621	3,346,962
99.RD		Pass-through	Silatronics, Inc.	N00014-19-C-1009	57,366	
99.RD		Pass-through	Silatronics, Inc. Total		57,366	
99.RD		Pass-through	Silvus Technologies Inc.	SK001-19-UCLA-RFA	35,977	
99.RD		Pass-through	Silvus Technologies Inc. Total		35,977	
99.RD		Pass-through	Slac National Accelerator Laboratory	194579	15,000	
99.RD		Pass-through	Slac National Accelerator Laboratory Total		15,000	
99.RD		Pass-through	Social And Scientific Systems, Inc.	77512	(640)	
99.RD		Pass-through	Social And Scientific Systems, Inc.	79191	(258)	
99.RD		Pass-through	Social And Scientific Systems, Inc.	CRB-SSS-S-15-004566	(61)	
99.RD		Pass-through	Social And Scientific Systems, Inc.	CRB-SSS-S-16-005087	(356)	
99.RD		Pass-through	Social And Scientific Systems, Inc.	CRB-SSS-S-17-005215	240,154	
99.RD		Pass-through	Social And Scientific Systems, Inc.	CRB-SSS-S-17-005217	32,959	
99.RD		Pass-through	Social And Scientific Systems, Inc.	CRB-SSS-S-17-005252	82,904	
99.RD		Pass-through	Social And Scientific Systems, Inc.	CRB-SSS-S-19-005748	30,824	
99.RD		Pass-through	Social And Scientific Systems, Inc.	SUB 20173862(CRB-SSS- S-16-0050	(3,186)	
99.RD		Pass-through	Social And Scientific Systems, Inc.	SUB CRB-SSS-S-15- 004567 (HHSN2	113,833	
99.RD		Pass-through	Social And Scientific Systems, Inc.	SUB CRB-SSS-S-18- 005449 (HHSN2	20,651	
99.RD		Pass-through	Social And Scientific Systems, Inc. Total		516,824	
99.RD		Pass-through	Southern California Association Of Governments	19-024-C01	43,565	
99.RD		Pass-through	Southern California Association Of Governments Total		43,565	
99.RD		Pass-through	Southwest Research Institute	J99010MQ-14	180,394	
99.RD		Pass-through	Southwest Research Institute	M99015KJ	370,367	
99.RD		Pass-through	Southwest Research Institute Total		550,761	
99.RD		Pass-through	Space Hazards Applications LLC	80NSSC19K0238-01	3,763	
99.RD		Pass-through	Space Hazards Applications LLC Total		3,763	
99.RD		Pass-through	Space Sciences Innovations Inc.	20192266	55,518	
99.RD		Pass-through	Space Sciences Innovations Inc. Total		55,518	
99.RD		Pass-through	SPR Therapeutics, Inc.	20192736	33,204	
99.RD		Pass-through	SPR Therapeutics, Inc. Total		33,204	
99.RD		Pass-through	SRI International	P035228	280,598	
99.RD		Pass-through	SRI International	P037364	196,291	
99.RD		Pass-through	SRI International Total		476,888	
99.RD		Pass-through	Syneos Health, Inc.	20184483	19,200	
99.RD		Pass-through	Syneos Health, Inc. Total		19,200	
99.RD		Pass-through	Synopsys Inc.	87D62	8,010	
99.RD		Pass-through	Synopsys Inc. Total		8,010	
99.RD		Pass-through	Synoptic Engineering, LLC	0002-S-002	48,293	
99.RD		Pass-through	Synoptic Engineering, LLC Total		48,293	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
99 RD		Pass-through	System Of Systems Security Consortium	SUB PLA-0009 (FA8750-16-9-9000	(69,813)	
99 RD		Pass-through	System Of Systems Security Consortium Total		(69,813)	
99 RD		Pass-through	Systems & Technology Research LLC	2020-0005	178,651	
99 RD		Pass-through	Systems & Technology Research LLC Total		178,651	
99 RD		Pass-through	Teledyne Scientific & Imaging LLC	P000151530	24,268	
99 RD		Pass-through	Teledyne Scientific & Imaging LLC Total		24,268	
99 RD		Pass-through	Teledyne Technologies, Inc.	P000130549	20,663	
99 RD		Pass-through	Teledyne Technologies, Inc.	P000140147	28,630	
99 RD		Pass-through	Teledyne Technologies, Inc.	P000144148	16,569	
99 RD		Pass-through	Teledyne Technologies, Inc.	P000154906	17,181	
99 RD		Pass-through	Teledyne Technologies, Inc. Total		83,043	
99 RD		Pass-through	Texas A&M University - College Station	27776	13,192	
99 RD		Pass-through	Texas A&M University - College Station Total		13,192	
99 RD		Pass-through	The Gaia Medical Institute LLC	SUB 20183636 (HD090817)	42,276	
99 RD		Pass-through	The Gaia Medical Institute LLC Total		42,276	
99 RD		Pass-through	The Southern Company	SCS10368115	314,477	153,714
99 RD		Pass-through	The Southern Company Total		314,477	153,714
99 RD		Pass-through	The University Of Alabama (Tuscaloosa)	A18-0360-S001	40,273	
99 RD		Pass-through	The University Of Alabama (Tuscaloosa) Total		40,273	
99 RD		Pass-through	The University Of Alabama At Birmingham	000509388-TOL0-001	223,867	
99 RD		Pass-through	The University Of Alabama At Birmingham Total		223,867	
99 RD		Pass-through	Toromedes, Inc.	89BG2	3,150	
99 RD		Pass-through	Toromedes, Inc. Total		3,150	
99 RD		Pass-through	Toyon Research Corporation	59627	(331)	
99 RD		Pass-through	Toyon Research Corporation	SC18-F077-1	54,159	
99 RD		Pass-through	Toyon Research Corporation	SC19-F126-1	(14,042)	
99 RD		Pass-through	Toyon Research Corporation	SC19-F131-1	21,880	
99 RD		Pass-through	Toyon Research Corporation Total		61,666	
99 RD		Pass-through	Transparent Armor Solutions Inc.	20192165	47,021	
99 RD		Pass-through	Transparent Armor Solutions Inc. Total		47,021	
99 RD		Pass-through	Triad National Security, LLC	383906	29,248	
99 RD		Pass-through	Triad National Security, LLC	521997	75,666	
99 RD		Pass-through	Triad National Security, LLC	530215	60,000	
99 RD		Pass-through	Triad National Security, LLC	560581	43,100	
99 RD		Pass-through	Triad National Security, LLC	585367	6,506	
99 RD		Pass-through	Triad National Security, LLC Total		214,520	
99 RD		Pass-through	Triton Systems, Inc.	SUB TSI-2622-19-2020228(NONE)	10,247	
99 RD		Pass-through	Triton Systems, Inc. Total		10,247	
99 RD		Pass-through	UES, Inc.	S-111-034-001	98,393	
99 RD		Pass-through	UES, Inc.	S-111-049-001	36,979	
99 RD		Pass-through	UES, Inc. Total		135,372	
99 RD		Pass-through	Ultra-Low Loss Technologies, Inc.	S8200054	18,529	
99 RD		Pass-through	Ultra-Low Loss Technologies, Inc. Total		18,529	
99 RD		Pass-through	Ultramet	20194497	31,362	
99 RD		Pass-through	Ultramet Total		31,362	
99 RD		Pass-through	Undersea Technology Innovation Consortium	UTIC 2018-476 PROJECT AGREEMEN	82,156	23,500
99 RD		Pass-through	Undersea Technology Innovation Consortium Total		82,156	23,500
99 RD		Pass-through	Universities Space Research Association	8765E	12,600	
99 RD		Pass-through	Universities Space Research Association	SOF 07-0017	64,919	
99 RD		Pass-through	Universities Space Research Association Total		77,519	
99 RD		Pass-through	University Of Alaska	UAF 20-0095	1,302	
99 RD		Pass-through	University Of Alaska Total		1,302	
99 RD		Pass-through	University Of Arizona	306440-4	242,220	
99 RD		Pass-through	University Of Arizona	57980	14,675	
99 RD		Pass-through	University Of Arizona	873A2	184,085	
99 RD		Pass-through	University Of Arizona	87C1A	49,236	
99 RD		Pass-through	University Of Arizona	SUB 20152604 (HHSN261201200031	28,540	
99 RD		Pass-through	University Of Arizona Total		518,754	
99 RD		Pass-through	University Of Cincinnati	010580-002	25,256	
99 RD		Pass-through	University Of Cincinnati Total		25,256	
99 RD		Pass-through	University Of Colorado Boulder	1556355	43,448	
99 RD		Pass-through	University Of Colorado Boulder	1557976	238,252	
99 RD		Pass-through	University Of Colorado Boulder Total		281,700	
99 RD		Pass-through	University Of Georgia	SUB00002076	67,927	
99 RD		Pass-through	University Of Georgia	SUB00002154	15,562	
99 RD		Pass-through	University Of Georgia Total		83,489	
99 RD		Pass-through	University Of Illinois At Urbana-Champaign	098942-17872	112,334	
99 RD		Pass-through	University Of Illinois At Urbana-Champaign	SUB 095421-17431 (CA226528)	133,703	
99 RD		Pass-through	University Of Illinois At Urbana-Champaign Total		246,037	
99 RD		Pass-through	University Of Iowa	1002081198	79,510	
99 RD		Pass-through	University Of Iowa	1002082693	30,289	
99 RD		Pass-through	University Of Iowa Total		109,798	
99 RD		Pass-through	University Of Maryland	65579-Z9232201	23,004	
99 RD		Pass-through	University Of Maryland	70973-Z9307201	49,433	
99 RD		Pass-through	University Of Maryland	80060-Z9402201	245,689	
99 RD		Pass-through	University Of Maryland	80932-Z9421202	18,913	
99 RD		Pass-through	University Of Maryland	81465-Z9428201	55,435	
99 RD		Pass-through	University Of Maryland	85022-Z9463201	11,058	
99 RD		Pass-through	University Of Maryland Total		403,532	
99 RD		Pass-through	University Of Michigan	SUBJ00011436-1	38,755	
99 RD		Pass-through	University Of Michigan	SUBJ00011437-1	72,045	
99 RD		Pass-through	University Of Michigan Total		110,801	
99 RD		Pass-through	University Of Minnesota	A005821705-10	104,341	
99 RD		Pass-through	University Of Minnesota Total		104,341	
99 RD		Pass-through	University Of Mississippi	66111320819-02	36,367	
99 RD		Pass-through	University Of Mississippi	66111350819-07	44,994	
99 RD		Pass-through	University Of Mississippi Total		81,361	
99 RD		Pass-through	University Of Nebraska	26-0520-0187-003	25,068	
99 RD		Pass-through	University Of Nebraska Total		25,068	
99 RD		Pass-through	University Of New Hampshire	17-007-13	17,849	
99 RD		Pass-through	University Of New Hampshire Total		17,849	
99 RD		Pass-through	University Of Pittsburgh	0051433-1	86,876	
99 RD		Pass-through	University Of Pittsburgh	0051433-5	46,091	
99 RD		Pass-through	University Of Pittsburgh Total		132,966	
99 RD		Pass-through	University Of Southern California	107627989-1	146,506	
99 RD		Pass-through	University Of Southern California	109129159	50,122	
99 RD		Pass-through	University Of Southern California	124502334	35,307	
99 RD		Pass-through	University Of Southern California	77742	(13)	
99 RD		Pass-through	University Of Southern California	77793929-3	(3,059)	
99 RD		Pass-through	University Of Southern California	8786C	879	
99 RD		Pass-through	University Of Southern California	90121560	186,658	
99 RD		Pass-through	University Of Southern California Total		416,400	
99 RD		Pass-through	University Of Virginia	GI18518.156869	462,348	
99 RD		Pass-through	University Of Virginia Total		462,348	
99 RD		Pass-through	University Of Washington	UWSC11313	159,550	
99 RD		Pass-through	University Of Washington Total		159,550	
99 RD		Pass-through	Vanderbilt University	SUB VUMC 44030 (HHSN2722017000	25,491	
99 RD		Pass-through	Vanderbilt University	UNIV60701	80,376	
99 RD		Pass-through	Vanderbilt University	VUMC81588	1,170	
99 RD		Pass-through	Vanderbilt University Total		107,037	
99 RD		Pass-through	Vault Nano Inc.	20191510	36,234	
99 RD		Pass-through	Vault Nano Inc. Total		36,234	
99 RD		Pass-through	Veterans Medical Research Foundation Of San Diego	VPA MORLAND (W81XWH-12-1-0614)	7,579	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
99.RD		Pass-through	Veterans Medical Research Foundation Of San Diego	VPA SPINA SUB 103475877 (A)036	7,955	
99.RD		Pass-through	Veterans Medical Research Foundation Of San Diego	VPA STONEHAM (A)140991)	52,691	
99.RD		Pass-through	Veterans Medical Research Foundation Of San Diego Total		68,224	
99.RD		Pass-through	Vitalant	11736UCSF 143	49,858	
99.RD		Pass-through	Vitalant	11736UCSFCHO142	63,394	
99.RD		Pass-through	Vitalant Total		113,252	
99.RD		Pass-through	Westat	6182-S24	9,236	
99.RD		Pass-through	Westat	6579-S11/ HHSN275201800001	708,599	
99.RD		Pass-through	Westat	77772	4	
99.RD		Pass-through	Westat	8754B	93,853	
99.RD		Pass-through	Westat	87D50	209,093	
99.RD		Pass-through	Westat Total		1,020,785	
99.RD		Pass-through	Wyle Laboratories	T73047	5,743	
99.RD		Pass-through	Wyle Laboratories Total		5,743	
99.RD		Pass-through	University Of Colorado System	FY20.1010.002	30,388	
99.RD		Pass-through	University Of Colorado System Total		30,388	
99.RD		Pass-through	University Of Notre Dame	202809UCSB	33,222	12,361
99.RD		Pass-through	University Of Notre Dame	203278UCB	1,070,959	
99.RD		Pass-through	University Of Notre Dame	203278UCSB-MISHRA	347,260	
99.RD		Pass-through	University Of Notre Dame Total		1,451,441	12,361
99.RD		Pass-through	Fermi Research Alliance, LLC (FRA)	644405.1	160,013	
99.RD		Pass-through	Fermi Research Alliance, LLC (FRA)	646772	11,236	
99.RD		Pass-through	Fermi Research Alliance, LLC (FRA)	652832	25,149	
99.RD		Pass-through	Fermi Research Alliance, LLC (FRA)	652833	24,407	
99.RD		Pass-through	Fermi Research Alliance, LLC (FRA)	654315	457,289	
99.RD		Pass-through	Fermi Research Alliance, LLC (FRA)	654998	21,743	
99.RD		Pass-through	Fermi Research Alliance, LLC (FRA)	657932	314,796	
99.RD		Pass-through	Fermi Research Alliance, LLC (FRA)	659034	5,191	
99.RD		Pass-through	Fermi Research Alliance, LLC (FRA)	659035	37,722	
99.RD		Pass-through	Fermi Research Alliance, LLC (FRA)	666201	60,218	
99.RD		Pass-through	Fermi Research Alliance, LLC (FRA) Total		1,117,764	
99.RD		Pass-through	Universities Research Association	633547	(15,483)	
99.RD		Pass-through	Universities Research Association	653200	56,285	
99.RD		Pass-through	Universities Research Association	653349	32,855	
99.RD		Pass-through	Universities Research Association Total		73,657	
99.RD	Total				52,193,872	4,462,274
99.RD	COVID-19	Pass-through	Leidos Biomedical Research, Inc.	20203693	135,406	
99.RD	COVID-19	Pass-through	Leidos Biomedical Research, Inc. Total		135,406	
99.RD	COVID-19 Total				135,406	
Research and Development Cluster Total					3,927,165,802	472,504,593

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Student Financial Assistance Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
84.007	Federal Supplemental Educational Opportunity Grants (FSEOG)	Direct	Various	13,756,456	
84.007 Total				13,756,456	
84.033	Federal Work-Study Program (FWS)	Direct	Various	17,530,570	
84.033 Total				17,530,570	
84.038	Federal Perkins Loan (FPL) - Beginning Balance	Direct	Various	156,707,601	
84.038	Federal Perkins Loan (FPL) - New Loans	Direct	Various	0	
84.038 Total				156,707,601	
84.063	Federal Pell Grant Program	Direct	Various	445,034,774	
84.063 Total				445,034,774	
84.268	Federal Direct Student Loans (Direct Loan)	Direct	Various	1,087,046,552	
84.268 Total				1,087,046,552	
84.379	Teacher Education Assistance For College And Higher Education Grants (TEACH Grants)	Direct	Various	150,853	
84.379 Total				150,853	
84.408	Postsecondary Education Scholarships For Veteran'S Dependents (Iraq And Afghanistan Service Grant (LASGI))	Direct	Various	5,810	
84.408 Total				5,810	
93.264	Nurse Faculty Loan Program (NFLP) - Beginning Balance	Direct	Various	769,121	
93.264	Nurse Faculty Loan Program (NFLP) - New Loans	Direct	Various	0	
93.264 Total				769,121	
93.342	Health Professions Student Loans / Primary Care Loans / Loans For Disadvantaged Students (HPSL /PCL / LDS) - Beginning Balance	Direct	Various	62,308,213	
93.342	Health Professions Student Loans / Primary Care Loans / Loans For Disadvantaged Students (HPSL /PCL / LDS) - New Loans	Direct	Various	16,089,813	
93.342 Total				78,398,026	
93.364	Nursing Student Loans (NSL) - Beginning Balance	Direct	Various	1,391,282	
93.364	Nursing Student Loans (NSL) - New Loans	Direct	Various	173,159	
93.364 Total				1,564,441	
93.925	Scholarships For Health Professions Students From Disadvantaged Backgroundsscholarships For Disadvantaged Students (SDS)	Direct	Various	1,300,000	
93.925 Total				1,300,000	
93.408	ARRA - Nursing Faculty Loan Program - Beginning Balance	Direct	Various	90,885	
93.408	ARRA - Nursing Faculty Loan Program - New Loans	Direct	Various	0	
93.408 Total				90,885	
Student Financial Assistance Cluster Total				1,802,355,089	

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SNAP Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
10.551	Supplemental Nutrition Assistance Program (SNAP)	Pass-through	California Department Of Public Health	76C93	6,599	
10.551	Supplemental Nutrition Assistance Program (SNAP)	Pass-through	California Department Of Public Health Total		6,599	
10.551	Supplemental Nutrition Assistance Program (SNAP)	Pass-through	Tulare, County Of	74A47	2,073	
10.551	Supplemental Nutrition Assistance Program (SNAP)	Pass-through	Tulare, County Of Total		2,073	
10.551	Supplemental Nutrition Assistance Program (SNAP) Total				8,672	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	Alameda County	23C09	23,160	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	Alameda County Total		23,160	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	California Department Of Public Health	73B01	1,628,745	1,980
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	California Department Of Public Health	A17-0400	112,237	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	California Department Of Public Health Total		1,740,982	1,980
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	California Department Of Social Services	18-3056	1,044,592	160,791
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	California Department Of Social Services	18-3110	1,001,040	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	California Department Of Social Services	22C75	2,733,468	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	California Department Of Social Services	37B00	323,829	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	California Department Of Social Services	74C96	9,062,693	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	California Department Of Social Services Total		14,165,621	160,791
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	Chico State Enterprises	SUB 18-051(18-7015)	15,139	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	Chico State Enterprises	SUB18-049	35,747	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	Chico State Enterprises	SUB18-064	127,310	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	Chico State Enterprises Total		178,196	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	Contra Costa Health Services	25B72	(775)	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program	Pass-through	Contra Costa Health Services Total		(775)	
10.561	State Administrative Matching Grants For The Supplemental Nutrition Assistance Program Total				16,107,184	162,771
SNAP Cluster Total					16,115,856	162,771

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TRIO Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
84.042	TRIO-Student Support Services	Direct	Department Of Education (ED)	Various	2,287,794	
84.042	TRIO-Student Support Services	Direct	Department Of Education (ED) Total		2,287,794	
84.042	TRIO-Student Support Services Total				2,287,794	
84.044	TRIO-Talent Search	Direct	Department Of Education (ED)	Various	3,580,702	
84.044	TRIO-Talent Search	Direct	Department Of Education (ED) Total		3,580,702	
84.044	TRIO-Talent Search Total				3,580,702	
84.047	TRIO-Upward Bound	Direct	Department Of Education (ED)	Various	6,294,910	
84.047	TRIO-Upward Bound	Direct	Department Of Education (ED) Total		6,294,910	
84.047	TRIO-Upward Bound	Pass-through	State Center Community College District	33C98	1,236	
84.047	TRIO-Upward Bound	Pass-through	State Center Community College District Total		1,236	
84.047	TRIO-Upward Bound Total				6,296,147	
84.217	TRIO-Mcnair Post-Baccalaureate Achievement	Direct	Department Of Education (ED)	Various	1,467,860	
84.217	TRIO-Mcnair Post-Baccalaureate Achievement	Direct	Department Of Education (ED) Total		1,467,860	
84.217	TRIO-Mcnair Post-Baccalaureate Achievement Total				1,467,860	
TRIO Cluster Total					13,632,503	

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Medicaid Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.778	Medical Assistance Program	Pass-through	California Department Of Health Care Services	16-93578	5,541,671	2,610,282
93.778	Medical Assistance Program	Pass-through	California Department Of Health Care Services Total		5,541,671	2,610,282
93.778	Medical Assistance Program	Pass-through	City And County Of San Francisco	1000011970	1,353	
93.778	Medical Assistance Program	Pass-through	D4855		407,111	
93.778	Medical Assistance Program	Pass-through	City And County Of San Francisco Total		408,464	
93.778	Medical Assistance Program	Pass-through	County Of Sonoma	73B03	(3,341)	
93.778	Medical Assistance Program	Pass-through	County Of Sonoma	80B30	1,504	
93.778	Medical Assistance Program	Pass-through	County Of Sonoma Total		(1,838)	
93.778	Medical Assistance Program	Pass-through	San Joaquin County	81A16	(320)	
93.778	Medical Assistance Program	Pass-through	San Joaquin County	C000113850	3,825	
93.778	Medical Assistance Program	Pass-through	San Joaquin County	C000113936	6,375	
93.778	Medical Assistance Program	Pass-through	San Joaquin County Total		9,880	
93.778	Medical Assistance Program	Pass-through	Tehama, County Of	C000113958	4,250	
93.778	Medical Assistance Program	Pass-through	Tehama, County Of Total		4,250	
93.778	Medical Assistance Program Total				5,962,427	2,610,282
Medicaid Cluster Total					5,962,427	2,610,282

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Highway Safety Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
20.600	State And Community Highway Safety	Pass-through	California Highway Patrol	18C061149	61,003	
20.600	State And Community Highway Safety	Pass-through	California Highway Patrol Total		61,003	
20.600	State And Community Highway Safety	Pass-through	California Office Of Traffic Safety	70127	17,004	
20.600	State And Community Highway Safety	Pass-through	California Office Of Traffic Safety	PS19025	119,330	
20.600	State And Community Highway Safety	Pass-through	California Office Of Traffic Safety	PS20022	152,223	
20.600	State And Community Highway Safety	Pass-through	California Office Of Traffic Safety	PS20023	828,074	273,122
20.600	State And Community Highway Safety	Pass-through	California Office Of Traffic Safety	SUB 20182594(NONE)	139,882	
20.600	State And Community Highway Safety	Pass-through	California Office Of Traffic Safety	SUB PT20130(NONE)	133,915	
20.600	State And Community Highway Safety	Pass-through	California Office Of Traffic Safety	TR19009	307,849	
20.600	State And Community Highway Safety	Pass-through	California Office Of Traffic Safety Total		1,674,270	273,122
20.600	State And Community Highway Safety Total				1,735,273	273,122
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety	PS19024	373,154	219,984
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety	TR19005	72,704	33,422
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety	TR19006	24,051	
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety	TR19007	37,890	
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety	TR19008	14,716	
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety	TR19010	30,017	
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety	TR19011	24,456	
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety	TR19012	57,994	
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety	TR20004	155,272	
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety	TR20005	70,594	
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety	TR20006	58,655	
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety	TR20007	728,550	
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety	TR20008	136,427	
20.616	National Priority Safety Programs	Pass-through	California Office Of Traffic Safety Total		1,764,480	253,406
20.616	National Priority Safety Programs Total				1,764,480	253,406
Highway Safety Cluster Total					3,519,753	526,528

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Head Start Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.600	Head Start	Direct	Office of Human Development Services (OHDS)	Various	1,634,311	11,916
93.600	Head Start	Direct	Office of Human Development Services (OHDS) Total		1,634,311	11,916
93.600	Head Start	Pass-through	American Academy Of Pediatrics	719180 UCLA	757,046	163,371
93.600	Head Start	Pass-through	American Academy Of Pediatrics Total		757,046	163,371
93.600	Head Start	Pass-through	California Medical Center	20111273:10	178,532	
93.600	Head Start	Pass-through	California Medical Center Total		178,532	
93.600	Head Start	Pass-through	University Of Massachusetts Amherst	20160127	132,602	
93.600	Head Start	Pass-through	University Of Massachusetts Amherst	58626	222,381	
93.600	Head Start	Pass-through	University Of Massachusetts Amherst	90HC0011-01-00	193,977	
93.600	Head Start	Pass-through	University Of Massachusetts Amherst	90HC0011-04-00	60,232	
93.600	Head Start	Pass-through	University Of Massachusetts Amherst Total		609,192	
93.600	Head Start Total				3,179,081	175,287
Head Start Cluster Total					3,179,081	175,287

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Health Center Program Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.224	Health Center Program (Community Health Centers, Migrant Health Centers, Health Care For The Homeless, And Public Housing Primary Care)	Direct	Health Resources and Services Administration (HRSA)	Various	2,316,254	
93.224	Health Center Program (Community Health Centers, Migrant Health Centers, Health Care For The Homeless, And Public Housing Primary Care)	Direct	Health Resources and Services Administration (HRSA) Total		2,316,254	
93.224	Health Center Program (Community Health Centers, Migrant Health Centers, Health Care For The Homeless, And Public Housing Primary Care)	Pass-through	Northeast Valley Health Corporation	20141037	130,393	
93.224	Health Center Program (Community Health Centers, Migrant Health Centers, Health Care For The Homeless, And Public Housing Primary Care)	Pass-through	Northeast Valley Health Corporation Total		130,393	
93.224	Health Center Program (Community Health Centers, Migrant Health Centers, Health Care For The Homeless, And Public Housing Primary Care) Total				2,446,647	
Health Center Program Cluster Total					2,446,647	

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477 Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Alameda County	201602383	125,504	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Alameda County Total		125,504	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Alpine, County Of	C000113822	(765)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Alpine, County Of Total		(765)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Amador, County Of	C000113906	14,450	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Amador, County Of Total		14,450	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Butte, County Of	34B21	(4,023)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Butte, County Of	C000113924	850	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Butte, County Of Total		(3,173)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Calaveras, County Of	C000114030	7,225	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Calaveras, County Of Total		7,225	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	City Of Los Angeles Economic And Workforce Development Department	20829	6	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	City Of Los Angeles Economic And Workforce Development Department	T6415	(61,984)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	City Of Los Angeles Economic And Workforce Development Department Total		(61,979)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Colusa, County Of	72B30	2,104	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Colusa, County Of	C000113976	118,000	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Colusa, County Of Total		120,104	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Contra Costa County	38B45	(1,289)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Contra Costa County Total		(1,289)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	County Of Marin	75B61	(4,590)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	County Of Marin	C000113813	5,355	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	County Of Marin	C000113835	1,345	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	County Of Marin	C000113988	142,226	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	County Of Marin Total		144,336	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	County Of Solano	32B52	1,695	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	County Of Solano	C000113715	1,913	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	County Of Solano Total		3,608	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	County Of Sonoma	73B05	(5,358)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	County Of Sonoma	C000113779	3,825	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	County Of Sonoma Total		(1,533)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Del Norte County	C000113798	(765)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Del Norte County	C000113940	50,788	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Del Norte County Total		50,023	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	El Dorado, County Of	C000113751	16,700	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	El Dorado, County Of Total		16,700	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Glenn, County Of	33B95	2,261	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Glenn, County Of	C000113829	10,710	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Glenn, County Of	C000113955	54,169	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Glenn, County Of Total		67,140	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Humboldt County	A20-1813	111,171	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Humboldt County Total		111,171	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Kern County	297-2019	46,875	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Kern County	32B39	(7,650)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Kern County	A19-1468	11,858	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Kern County Total		51,082	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Kings, County Of	38B11	7,650	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Kings, County Of	38B12	(638)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Kings, County Of	C000113752	1,825	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Kings, County Of	C000113971	76,500	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Kings, County Of	C000113972	77,350	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Kings, County Of Total		162,687	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Lake, County Of	26B44	(1,235)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Lake, County Of	C000113964	87,125	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Lake, County Of Total		85,891	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Madera, County Of	81C81	25,500	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Madera, County Of	C000113839	(13,770)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Madera, County Of Total		11,730	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Mariposa, County Of	C000113938	31,025	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Mariposa, County Of	EW-2018-18	(3,825)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Mariposa, County Of Total		27,200	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Merced, County Of	30B79	(2,334)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Merced, County Of Total		(2,334)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Modoc, County Of	C000113986	122,400	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Modoc, County Of Total		122,400	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Mono, County Of	C000113943	34,000	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Mono, County Of Total		34,000	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Monterey County	33B28	(8,339)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Monterey County	84A05	(3,545)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Monterey County	A19-222	114,809	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Monterey County	C000113824	8,893	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Monterey County Total		111,218	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Napa, County Of	35B67	(643)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Napa, County Of	C000113893	47,600	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Napa, County Of Total		46,957	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Nevada, County Of	31B76	2,678	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Nevada, County Of	C000113939	30,600	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Nevada, County Of Total		33,278	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Placer, County Of	C000113896	51,000	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Placer, County Of Total		51,000	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Plumas, County Of	C000113973	4,675	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Plumas, County Of Total		4,675	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Benito, County Of	C000113842	(3,825)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Benito, County Of	C000113950	12,750	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Benito, County Of Total		8,925	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Diego County	88A06	49,177	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Diego County Total		49,177	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Joaquin County	31B12	13,665	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Joaquin County	C000113848	2,295	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Joaquin County	C000113935	72,250	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Joaquin County	C000113937	5,525	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Joaquin County Total		93,735	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Luis Obispo, County Of	39B13	(206)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Luis Obispo, County Of	39B14	(537)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Luis Obispo, County Of	C000113974	16,575	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Luis Obispo, County Of Total		15,832	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Mateo County	71B59	(2,578)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Mateo County	C000113901	17,000	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Mateo County	C000113997	86,700	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	San Mateo County Total		101,122	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Santa Barbara, County Of	30B15	(3,825)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Santa Barbara, County Of	C000113975	31,450	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Santa Barbara, County Of Total		27,625	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Santa Cruz, County Of	35B85	(1,808)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Santa Cruz, County Of	C000113782	14,620	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Santa Cruz, County Of	C000113891	211,144	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Santa Cruz, County Of Total		224,156	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Shasta, County Of	32B96	(2,625)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Shasta, County Of	33B41	(1,884)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Shasta, County Of	C000113916	59,336	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Shasta, County Of Total		54,827	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Sierra, County Of	C000114026	12,820	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Sierra, County Of Total		12,820	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Siskiyou, County Of	35B02	(3,825)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Siskiyou, County Of	C000113846	(12,498)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Siskiyou, County Of	C000113847	(11,475)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Siskiyou, County Of	C000113941	37,705	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Siskiyou, County Of Total		9,907	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Stanislaus, County Of	33B30	1,912	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Stanislaus, County Of	C000113791	(14,181)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Stanislaus, County Of	C000113933	85,000	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Stanislaus, County Of	C000113965	8,500	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Stanislaus, County Of Total		81,232	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Sutter County	37B02	(382)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Sutter County	C000113914	55,250	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Sutter County Total		54,868	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Tehama, County Of	33B43	(3,825)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Tehama, County Of	C000113716	(531)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Tehama, County Of	C000113957	17,000	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Tehama, County Of Total		12,644	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Trinity, County Of	18-112	(1,719)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Trinity, County Of	74B29	5,738	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Trinity, County Of	C000113984	25,080	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Trinity, County Of Total		29,099	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Tulare, County Of	34B36	26,775	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Tulare, County Of	71B83	3,187	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Tulare, County Of	C000114017	72,250	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Tulare, County Of Total		102,213	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Tuolumne, County Of	C000113825	(3,825)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Tuolumne, County Of	C000113912	23,800	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Tuolumne, County Of Total		19,975	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Yolo County	72B05	(15,300)	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Yolo County	C000113853	88,228	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Yolo County Total		72,928	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Yuba County	79A14	2,962	
93.558	Temporary Assistance For Needy Families (TANF)	Pass-through	Yuba County Total		2,962	
93.558	Temporary Assistance For Needy Families (TANF) Total				2,305,354	
477 Cluster Total					2,305,354	

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Federal Transit Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
20.507	Federal Transit-Formula Grants	Pass-through	Davis, City Of	201701915	222,356	
20.507	Federal Transit-Formula Grants	Pass-through	Davis, City Of	38880	6,179	
20.507	Federal Transit-Formula Grants	Pass-through	Davis, City Of	CA-2017-126-00	266,554	
20.507	Federal Transit-Formula Grants	Pass-through	Davis, City Of	FTA G-24	1,760,000	
20.507	Federal Transit-Formula Grants	Pass-through	Davis, City Of Total		2,255,088	
20.507	Federal Transit-Formula Grants Total				2,255,088	
Federal Transit Cluster Total					2,255,088	

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Economic Development Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
11.307	Economic Adjustment Assistance	Direct	Department Of Commerce (DOC)	Various	1,735,142	
11.307	Economic Adjustment Assistance	Direct	Department Of Commerce (DOC) Total		1,735,142	
11.307	Economic Adjustment Assistance Total				1,735,142	
Economic Development Cluster Total					1,735,142	

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WIOA Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
17.259	WIOA Youth Activities	Pass-through	City Of Los Angeles	20784	373	
17.259	WIOA Youth Activities	Pass-through	City Of Los Angeles	T6376	19,909	
17.259	WIOA Youth Activities	Pass-through	City Of Los Angeles Total		20,281	
17.259	WIOA Youth Activities	Pass-through	City Of Los Angeles Economic And Workforce Development Department	20739	447,341	
17.259	WIOA Youth Activities	Pass-through	City Of Los Angeles Economic And Workforce Development Department	20740	505,732	
17.259	WIOA Youth Activities	Pass-through	City Of Los Angeles Economic And Workforce Development Department Total		953,073	
17.259	WIOA Youth Activities Total				973,354	
WIOA Cluster Total					973,354	

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CCDF Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.575	Child Care And Development Block Grant	Pass-through	California Department Of Education	18801	10,293	
93.575	Child Care And Development Block Grant	Pass-through	California Department Of Education	18859	1,046	
93.575	Child Care And Development Block Grant	Pass-through	California Department Of Education	18893	134	
93.575	Child Care And Development Block Grant	Pass-through	California Department Of Education	18894	6,505	
93.575	Child Care And Development Block Grant	Pass-through	California Department Of Education	18897	13,717	
93.575	Child Care And Development Block Grant	Pass-through	California Department Of Education	18900	28,695	
93.575	Child Care And Development Block Grant	Pass-through	California Department Of Education	A18-0148-003	100,497	
93.575	Child Care And Development Block Grant	Pass-through	California Department Of Education	CCTR-9162	200,524	
93.575	Child Care And Development Block Grant	Pass-through	California Department Of Education Total		361,413	
93.575	Child Care And Development Block Grant	Pass-through	University Of Virginia	GB10776.PQ #2247305	1,617	
93.575	Child Care And Development Block Grant	Pass-through	University Of Virginia Total		1,617	
93.575	Child Care And Development Block Grant Total				363,031	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Child Development Division	009828	(29,771)	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Child Development Division	009829	(18,201)	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Child Development Division	80056	(3,816)	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Child Development Division Total		(51,788)	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Department Of Education	18858	5,903	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Department Of Education	18861	(4,081)	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Department Of Education	18863	293	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Department Of Education	18895	17,771	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Department Of Education	18899	34,157	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Department Of Education	18902	64,472	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Department Of Education	A18-0148-003	220,356	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Department Of Education	CCTR-8161-CYC1	(2,253)	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Department Of Education	CSPP-9362	162,161	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund	Pass-through	California Department Of Education Total		498,778	
93.596	Child Care Mandatory And Matching Funds Of The Child Care And Development Fund Total				446,990	
CCDF Cluster Total					810,020	

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Highway Planning And Construction Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
20.205	Highway Planning And Construction	Pass-through	Caltrans California Department Of Transportation	65A0697-CYC1	88,437	12,740
20.205	Highway Planning And Construction	Pass-through	Caltrans California Department Of Transportation	Various	483,016	
20.205	Highway Planning And Construction	Pass-through	Caltrans California Department Of Transportation Total		571,453	12,740
20.205	Highway Planning And Construction Total				571,453	12,740
Highway Planning and Construction Cluster Total					571,453	12,740

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FMCSA Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
20.237	Motor Carrier Safety Assistance High Priority Activities Grants And Cooperative Agreements	Direct	Department Of Transportation (DOT)	Various	302,868	
20.237	Motor Carrier Safety Assistance High Priority Activities Grants And Cooperative Agreements	Direct	Department Of Transportation (DOT) Total		302,868	
20.237	Motor Carrier Safety Assistance High Priority Activities Grants And Cooperative Agreements	Pass-through	Leidos, Inc.	P010207183-4	109,832	
20.237	Motor Carrier Safety Assistance High Priority Activities Grants And Cooperative Agreements	Pass-through	Leidos, Inc.	P010207183-3	57,889	
20.237	Motor Carrier Safety Assistance High Priority Activities Grants And Cooperative Agreements	Pass-through	Leidos, Inc. Total		167,721	
20.237	Motor Carrier Safety Assistance High Priority Activities Grants And Cooperative Agreements Total				470,588	
FMCSA Cluster Total					470,588	

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Fish And Wildlife Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
15.611	Wildlife Restoration And Basic Hunter Education	Pass-through	California Department Of Fish And Wildlife	P1760025	26,418	
15.611	Wildlife Restoration And Basic Hunter Education	Pass-through	California Department Of Fish And Wildlife	P1760026	203,493	169,593
15.611	Wildlife Restoration And Basic Hunter Education	Pass-through	California Department Of Fish And Wildlife Total		229,911	169,593
15.611	Wildlife Restoration And Basic Hunter Education Total				229,911	169,593
Fish and Wildlife Cluster Total					229,911	169,593

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HOPE VI Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
14.889	Choice Neighborhoods Implementation Grants	Pass-through	Urban Strategies Inc.	A19-2689	41,597	
14.889	Choice Neighborhoods Implementation Grants	Pass-through	Urban Strategies Inc. Total		41,597	
14.889	Choice Neighborhoods Implementation Grants Total				41,597	
HOPE VI Cluster Total					41,597	

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Aging Cluster

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.044	Special Programs For The Aging-Title III, Part B-Grants For Supportive Services And Senior Centers	Pass-through	County Of Sonoma	73B04	4,571	
93.044	Special Programs For The Aging-Title III, Part B-Grants For Supportive Services And Senior Centers	Pass-through	County Of Sonoma	C000113780	12,367	
93.044	Special Programs For The Aging-Title III, Part B-Grants For Supportive Services And Senior Centers	Pass-through	County Of Sonoma Total		16,938	
93.044	Special Programs For The Aging-Title III, Part B-Grants For Supportive Services And Senior Centers Total				16,938	
Aging Cluster Total					16,938	

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Other Federal Programs

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
08.U01		Direct	Peace Corps	PC-16-8-006-004	30,003	
08.U01		Direct	Peace Corps Total		30,003	
08.U01	Total				30,003	
08.U02		Direct	Peace Corps	PC158043	491	
08.U02		Direct	Peace Corps Total		491	
08.U02	Total				491	
10.001	Agricultural Research Basic And Applied Research	Direct	United States Department Of Agriculture (USDA)	Various	8,700	
10.001	Agricultural Research Basic And Applied Research	Direct	United States Department Of Agriculture (USDA) Total		8,700	
10.001	Agricultural Research Basic And Applied Research	Pass-through	California State University	010193	10,000	
10.001	Agricultural Research Basic And Applied Research	Pass-through	California State University Total		10,000	
10.001	Agricultural Research Basic And Applied Research Total				18,700	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Direct	United States Department Of Agriculture (USDA)	Various	1,422,994	
10.025	Plant And Animal Disease, Pest Control, And Animal Care	Direct	United States Department Of Agriculture (USDA) Total		1,422,994	
10.025	Plant And Animal Disease, Pest Control, And Animal Care Total				1,422,994	
10.167	Transportation Services	Direct	United States Department Of Agriculture (USDA)	Various	642	
10.167	Transportation Services	Direct	United States Department Of Agriculture (USDA) Total		642	
10.167	Transportation Services Total				642	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	17-0727001-SF	243,453	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	27C36	66,285	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	32C83	81,251	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	72B04	69,428	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	88A42	9	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture	89A37	(86)	
10.170	Specialty Crop Block Grant Program - Farm Bill	Pass-through	California Department Of Food And Agriculture Total		460,339	
10.170	Specialty Crop Block Grant Program - Farm Bill Total				460,339	
10.202	Cooperative Forestry Research	Direct	United States Department Of Agriculture (USDA)	Various	25,246	
10.202	Cooperative Forestry Research	Direct	United States Department Of Agriculture (USDA) Total		25,246	
10.202	Cooperative Forestry Research Total				25,246	
10.203	Payments To Agricultural Experiment Stations Under The Hatch Act	Direct	United States Department Of Agriculture (USDA)	Various	3,734	
10.203	Payments To Agricultural Experiment Stations Under The Hatch Act	Direct	United States Department Of Agriculture (USDA) Total		3,734	
10.203	Payments To Agricultural Experiment Stations Under The Hatch Act Total				3,734	
10.210	Higher Education - Graduate Fellowships Grant Program	Direct	United States Department Of Agriculture (USDA)	Various	57,909	
10.210	Higher Education - Graduate Fellowships Grant Program	Direct	United States Department Of Agriculture (USDA) Total		57,909	
10.210	Higher Education - Graduate Fellowships Grant Program Total				57,909	
10.215	Sustainable Agriculture Research And Education	Pass-through	Montana State University	26C93	14,950	
10.215	Sustainable Agriculture Research And Education	Pass-through	Montana State University	G174-20-W7503	3,844	
10.215	Sustainable Agriculture Research And Education	Pass-through	Montana State University	G235-20-W7506	1,468	
10.215	Sustainable Agriculture Research And Education	Pass-through	Montana State University Total		20,262	
10.215	Sustainable Agriculture Research And Education	Pass-through	Utah State University	200592-439	6,505	
10.215	Sustainable Agriculture Research And Education	Pass-through	Utah State University	200592393	62,772	
10.215	Sustainable Agriculture Research And Education	Pass-through	Utah State University	73A95	(442)	
10.215	Sustainable Agriculture Research And Education	Pass-through	Utah State University	75B38	11,074	
10.215	Sustainable Agriculture Research And Education	Pass-through	Utah State University Total		78,909	
10.215	Sustainable Agriculture Research And Education Total				100,171	
10.217	Higher Education - Institution Challenge Grants Program	Direct	United States Department Of Agriculture (USDA)	Various	62,390	
10.217	Higher Education - Institution Challenge Grants Program	Direct	United States Department Of Agriculture (USDA) Total		62,390	
10.217	Higher Education - Institution Challenge Grants Program Total				62,390	
10.219	Biotechnology Risk Assessment Research	Direct	United States Department Of Agriculture (USDA)	Various	25,000	
10.219	Biotechnology Risk Assessment Research	Direct	United States Department Of Agriculture (USDA) Total		25,000	
10.219	Biotechnology Risk Assessment Research Total				25,000	
10.223	Hispanic Serving Institutions Education Grants	Direct	United States Department Of Agriculture (USDA)	Various	56,703	
10.223	Hispanic Serving Institutions Education Grants	Direct	United States Department Of Agriculture (USDA) Total		56,703	
10.223	Hispanic Serving Institutions Education Grants Total				56,703	
10.225	Community Food Projects	Pass-through	Food Bank Coalition Of San Luis Obispo County	27B94	9,683	
10.225	Community Food Projects	Pass-through	Food Bank Coalition Of San Luis Obispo County Total		9,683	
10.225	Community Food Projects Total				9,683	
10.304	Homeland Security Agricultural	Direct	United States Department Of Agriculture (USDA)	Various	350,647	
10.304	Homeland Security Agricultural	Direct	United States Department Of Agriculture (USDA) Total		350,647	
10.304	Homeland Security Agricultural Total				350,647	
10.309	Specialty Crop Research Initiative	Direct	United States Department Of Agriculture (USDA)	Various	86,242	
10.309	Specialty Crop Research Initiative	Direct	United States Department Of Agriculture (USDA) Total		86,242	
10.309	Specialty Crop Research Initiative Total				86,242	
10.310	Agriculture And Food Research Initiative (AFRI)	Direct	United States Department Of Agriculture (USDA)	Various	67,594	
10.310	Agriculture And Food Research Initiative (AFRI)	Direct	United States Department Of Agriculture (USDA) Total		67,594	
10.310	Agriculture And Food Research Initiative (AFRI) Total				67,594	
10.328	National Food Safety Training, Education, Extension, Outreach, And Technical Assistance Competitive Grants Program	Direct	United States Department Of Agriculture (USDA)	Various	176,130	
10.328	National Food Safety Training, Education, Extension, Outreach, And Technical Assistance Competitive Grants Program	Direct	United States Department Of Agriculture (USDA) Total		176,130	
10.328	National Food Safety Training, Education, Extension, Outreach, And Technical Assistance Competitive Grants Program Total				176,130	
10.328	National Food Safety Training, Education, Extension, Outreach, And Technical Assistance Competitive Grants Program	Pass-through	Auburn University	18-PS-205191-UCDAVIS	10,825	
10.328	National Food Safety Training, Education, Extension, Outreach, And Technical Assistance Competitive Grants Program	Pass-through	Auburn University Total		10,825	
10.328	National Food Safety Training, Education, Extension, Outreach, And Technical Assistance Competitive Grants Program Total				186,955	
10.329	Crop Protection And Pest Management Competitive Grants Program	Direct	United States Department Of Agriculture (USDA)	Various	1,093,220	349,413
10.329	Crop Protection And Pest Management Competitive Grants Program	Direct	United States Department Of Agriculture (USDA) Total		1,093,220	349,413
10.329	Crop Protection And Pest Management Competitive Grants Program Total				1,093,220	349,413
10.500	Food Safety Cooperative Agreements	Direct	United States Department Of Agriculture (USDA)	Various	10,339,487	
10.500	Food Safety Cooperative Agreements	Direct	United States Department Of Agriculture (USDA) Total		10,339,487	
10.500	Food Safety Cooperative Agreements	Pass-through	Bioprodex, Inc.	89BE9	1,628	

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10.500	Food Safety Cooperative Agreements	Pass-through	Bioproduct, Inc. Total		1,628	
10.500	Food Safety Cooperative Agreements	Pass-through	Kansas State University	22C17	29,088	
10.500	Food Safety Cooperative Agreements	Pass-through	Kansas State University	81C39	15,438	
10.500	Food Safety Cooperative Agreements	Pass-through	Kansas State University Total		44,526	
10.500	Food Safety Cooperative Agreements	Pass-through	Washington State University	2015-49200-24227	26,467	
10.500	Food Safety Cooperative Agreements	Pass-through	Washington State University	73C18	36,309	
10.500	Food Safety Cooperative Agreements	Pass-through	Washington State University	80B82	14,437	
10.500	Food Safety Cooperative Agreements	Pass-through	Washington State University	84C71	14,391	
10.500	Food Safety Cooperative Agreements	Pass-through	Washington State University Total		91,604	
10.500	Food Safety Cooperative Agreements Total				10,477,245	
10.511	Smith-Lever 3(B) And 3(C), Smith-Lever Special Needs, And University Of District Of Columbia Public Postsecondary Education Reorganization Act Program	Direct	United States Department Of Agriculture (USDA)	Various	716,393	
10.511	Smith-Lever 3(B) And 3(C), Smith-Lever Special Needs, And University Of District Of Columbia Public Postsecondary Education Reorganization Act Program	Direct	United States Department Of Agriculture (USDA) Total		716,393	
10.511	Smith-Lever 3(B) And 3(C), Smith-Lever Special Needs, And University Of District Of Columbia Public Postsecondary Education Reorganization Act Program Total				716,393	
10.515	Renewable Resources Extension Act (RREA) & National Focus Funds (RREA-NFF)	Direct	United States Department Of Agriculture (USDA)	Various	59,572	
10.515	Renewable Resources Extension Act (RREA) & National Focus Funds (RREA-NFF)	Direct	United States Department Of Agriculture (USDA) Total		59,572	
10.515	Renewable Resources Extension Act (RREA) & National Focus Funds (RREA-NFF) Total				59,572	
10.521	Children, Youth, And Families (CYFAR)	Direct	United States Department Of Agriculture (USDA)	Various	82,809	23,810
10.521	Children, Youth, And Families (CYFAR)	Direct	United States Department Of Agriculture (USDA) Total		82,809	23,810
10.521	Children, Youth, And Families (CYFAR) Total				82,809	23,810
10.558	Child And Adult Care Food Program (CACFP)	Pass-through	California Department Of Education	003376	41,207	
10.558	Child And Adult Care Food Program (CACFP)	Pass-through	California Department Of Education	18212	19,464	
10.558	Child And Adult Care Food Program (CACFP)	Pass-through	California Department Of Education	301466-1A	20,548	
10.558	Child And Adult Care Food Program (CACFP)	Pass-through	California Department Of Education	80120	21,668	
10.558	Child And Adult Care Food Program (CACFP)	Pass-through	California Department Of Education Total		102,887	
10.558	Child And Adult Care Food Program (CACFP) Total				102,887	
10.674	Wood Utilization Assistance	Direct	United States Department Of Agriculture (USDA)	Various	71,566	
10.674	Wood Utilization Assistance	Direct	United States Department Of Agriculture (USDA) Total		71,566	
10.674	Wood Utilization Assistance Total				71,566	
10.675	Urban And Community Forestry Program	Pass-through	California Department Of Forestry And Fire Protection	27C42	341,844	
10.675	Urban And Community Forestry Program	Pass-through	California Department Of Forestry And Fire Protection Total		341,844	
10.675	Urban And Community Forestry Program Total				341,844	
10.680	Forest Health Protection	Direct	United States Department Of Agriculture (USDA)	Various	153,696	
10.680	Forest Health Protection	Direct	United States Department Of Agriculture (USDA) Total		153,696	
10.680	Forest Health Protection	Pass-through	California Department Of Forestry And Fire Protection	31B98	(215)	
10.680	Forest Health Protection	Pass-through	California Department Of Forestry And Fire Protection	78C19	33,213	
10.680	Forest Health Protection	Pass-through	California Department Of Forestry And Fire Protection Total		32,999	
10.680	Forest Health Protection Total				186,694	
10.682	National Forest Foundation	Pass-through	National Forest Foundation	70583	188	
10.682	National Forest Foundation	Pass-through	National Forest Foundation	88953	4,440	
10.682	National Forest Foundation	Pass-through	National Forest Foundation Total		4,628	
10.682	National Forest Foundation Total				4,628	
10.698	State & Private Forestry Cooperative Fire Assistance	Pass-through	Nature Conservancy	76C40	68,113	
10.698	State & Private Forestry Cooperative Fire Assistance	Pass-through	Nature Conservancy Total		68,113	
10.698	State & Private Forestry Cooperative Fire Assistance Total				68,113	
10.902	Soil And Water Conservation	Direct	United States Department Of Agriculture (USDA)	Various	130,114	
10.902	Soil And Water Conservation	Direct	United States Department Of Agriculture (USDA) Total		130,114	
10.902	Soil And Water Conservation	Pass-through	San Mateo Resource Conservation District	85C66	662	
10.902	Soil And Water Conservation	Pass-through	San Mateo Resource Conservation District Total		662	
10.902	Soil And Water Conservation Total				130,775	
10.912	Environmental Quality Incentives Program	Direct	United States Department Of Agriculture (USDA)	Various	12,039	
10.912	Environmental Quality Incentives Program	Direct	United States Department Of Agriculture (USDA) Total		12,039	
10.912	Environmental Quality Incentives Program Total				12,039	
10.932	Regional Conservation Partnership Program	Direct	United States Department Of Agriculture (USDA)	Various	79,242	74,778
10.932	Regional Conservation Partnership Program	Direct	United States Department Of Agriculture (USDA) Total		79,242	74,778
10.932	Regional Conservation Partnership Program Total				79,242	74,778
10.U01		Direct	United States Department Of Agriculture (USDA)	58-2032-0-025	47,233	
10.U01		Direct	United States Department Of Agriculture (USDA) Total		47,233	
10.U01	Total				47,233	
10.U02		Direct	United States Department Of Agriculture (USDA)	58-2032-9-005	250	
10.U02		Direct	United States Department Of Agriculture (USDA) Total		250	
10.U02	Total				250	
10.U03		Direct	United States Department Of Agriculture (USDA)	58-2032-9-006	197	
10.U03		Direct	United States Department Of Agriculture (USDA) Total		197	
10.U03	Total				197	
10.U04		Direct	United States Department Of Agriculture (USDA)	F-2016	23	
10.U04		Direct	United States Department Of Agriculture (USDA) Total		23	
10.U04	Total				23	
10.U05		Pass-through	American Public Gardens Association	AP18PPOFO000C452	5,130	
10.U05		Pass-through	American Public Gardens Association Total		5,130	
10.U05	Total				5,130	
10.U06		Pass-through	California Department Of Food And Agriculture	18-0625-001-SF	12,020	
10.U06		Pass-through	California Department Of Food And Agriculture Total		12,020	
10.U06	Total				12,020	
10.U07		Pass-through	California Department Of Public Health	17-10666	49	
10.U07		Pass-through	California Department Of Public Health Total		49	
10.U07	Total				49	
10.U08		Pass-through	Colorado State University	A15-0183	4,504	
10.U08		Pass-through	Colorado State University Total		4,504	

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10.U08	Total				4,584	
10.U09		Pass-through	Counterpart International, Inc	72B59	31,521	
10.U09		Pass-through	Counterpart International, Inc Total		31,521	
10.U09	Total				31,521	
10.U10		Pass-through	Counterpart International, Inc	A18-1584	105,814	
10.U10		Pass-through	Counterpart International, Inc Total		105,814	
10.U10	Total				105,814	
10.U11		Pass-through	Organic Farming Research Foundation	17-0275-026-SC	80,776	
10.U11		Pass-through	Organic Farming Research Foundation Total		80,776	
10.U11	Total				80,776	
10.U12		Pass-through	Palo Verde Resource Conservation District	29C14	85,166	
10.U12		Pass-through	Palo Verde Resource Conservation District Total		85,166	
10.U12	Total				85,166	
10.U13		Pass-through	Sonoma Resource Conservation District	87B20	(72)	
10.U13		Pass-through	Sonoma Resource Conservation District Total		(72)	
10.U13	Total				(72)	
11.011	Ocean Exploration	Pass-through	National Marine Sanctuary Foundation	18-08-B-186	15,342	
11.011	Ocean Exploration	Pass-through	National Marine Sanctuary Foundation Total		15,342	
11.011	Ocean Exploration Total				15,342	
11.020	Cluster Grants	Direct	Department Of Commerce (DOC)	Various	205,886	
11.020	Cluster Grants	Direct	Department Of Commerce (DOC) Total		205,886	
11.020	Cluster Grants Total				205,886	
11.312	Research And Evaluation Program	Pass-through	Indiana University	SUB IN-4336228-UCSD (ED17HDQ31	(1,169)	
11.312	Research And Evaluation Program	Pass-through	Indiana University Total		(1,169)	
11.312	Research And Evaluation Program Total				(1,169)	
11.417	Sea Grant Support	Direct	Department Of Commerce (DOC)	Various	96,761	
11.417	Sea Grant Support	Direct	Department Of Commerce (DOC) Total		96,761	
11.417	Sea Grant Support Total				96,761	
11.431	Climate And Atmospheric Research	Pass-through	University Of Washington	UWSC9314	(10)	
11.431	Climate And Atmospheric Research	Pass-through	University Of Washington Total		(10)	
11.431	Climate And Atmospheric Research Total				(10)	
12.300	Basic And Applied Scientific Research	Direct	Department Of Defense (DOD)	Various	259,982	
12.300	Basic And Applied Scientific Research	Direct	Department Of Defense (DOD) Total		259,982	
12.300	Basic And Applied Scientific Research Total				259,982	
12.350	Department Of Defense HIV/AIDS Prevention Program	Pass-through	Seneca Telecommunications, LLC	20201077 (HT001119C0017)	86,470	
12.350	Department Of Defense HIV/AIDS Prevention Program	Pass-through	Seneca Telecommunications, LLC Total		86,470	
12.350	Department Of Defense HIV/AIDS Prevention Program Total				86,470	
12.420	Military Medical Research And Development	Pass-through	American Burn Association	A20-3319	21,327	
12.420	Military Medical Research And Development	Pass-through	American Burn Association	A20-3320	13,496	
12.420	Military Medical Research And Development	Pass-through	American Burn Association	W81XWH-18-2-0030	14,607	
12.420	Military Medical Research And Development	Pass-through	American Burn Association Total		49,429	
12.420	Military Medical Research And Development	Pass-through	Massachusetts Eye And Ear Infirmary	38037	5,980	
12.420	Military Medical Research And Development	Pass-through	Massachusetts Eye And Ear Infirmary Total		5,980	
12.420	Military Medical Research And Development	Pass-through	Northern California Institute For Research And Education, Inc	85312	1,833	
12.420	Military Medical Research And Development	Pass-through	Northern California Institute For Research And Education, Inc	WE1808-1814	8,055	
12.420	Military Medical Research And Development	Pass-through	Northern California Institute For Research And Education, Inc Total		9,888	
12.420	Military Medical Research And Development Total				65,298	
12.550	The Language Flagship Grants To Institutions Of Higher Education	Pass-through	Institute Of International Education	0054-UCLA-10	67,526	
12.550	The Language Flagship Grants To Institutions Of Higher Education	Pass-through	Institute Of International Education Total		67,526	
12.550	The Language Flagship Grants To Institutions Of Higher Education Total				67,526	
12.556	Promoting K-12 Student Achievement At Military-Connected Schools	Pass-through	San Diego Unified School District	SUB HE1254-17-1-0003(SV19-0306	96,415	
12.556	Promoting K-12 Student Achievement At Military-Connected Schools	Pass-through	San Diego Unified School District Total		96,415	
12.556	Promoting K-12 Student Achievement At Military-Connected Schools Total				96,415	
12.800	Air Force Defense Research Sciences Program	Direct	Department Of Defense (DOD)	Various	37,492	
12.800	Air Force Defense Research Sciences Program	Direct	Department Of Defense (DOD) Total		37,492	
12.800	Air Force Defense Research Sciences Program	Pass-through	Arizona State University/Tempe	ASUB00000094	64,655	
12.800	Air Force Defense Research Sciences Program	Pass-through	Arizona State University/Tempe Total		64,655	
12.800	Air Force Defense Research Sciences Program	Pass-through	George Washington University	009381	3,000	
12.800	Air Force Defense Research Sciences Program	Pass-through	George Washington University Total		3,000	
12.800	Air Force Defense Research Sciences Program Total				105,148	
12.900	Language Grant Program	Direct	Department Of Defense (DOD)	Various	79,183	
12.900	Language Grant Program	Direct	Department Of Defense (DOD) Total		79,183	
12.900	Language Grant Program Total				79,183	
12.U01		Direct	Department Of Defense (DOD)	HU000119PT076	32,330	
12.U01		Direct	Department Of Defense (DOD) Total		32,330	
12.U01	Total				32,330	
12.U02		Direct	Department Of Defense (DOD)	C000114053	8,325	
12.U02		Direct	Department Of Defense (DOD) Total		8,325	
12.U02	Total				8,325	
12.U03		Direct	Department Of Defense (DOD)	H98230-14-C-0145	695	
12.U03		Direct	Department Of Defense (DOD) Total		695	
12.U03	Total				695	
12.U04		Direct	Department Of Defense (DOD)	HDQMWR-16-D-00	4,959	
12.U04		Direct	Department Of Defense (DOD) Total		4,959	
12.U04	Total				4,959	
12.U05		Direct	Department Of Defense (DOD)	HDQMWR-17-C-0010:P00007	263,755	0
12.U05		Direct	Department Of Defense (DOD) Total		263,755	0
12.U05	Total				263,755	0
12.U06		Direct	Department Of Defense (DOD)	HDQMWR-19-C-0019	1,084,843	208,536
12.U06		Direct	Department Of Defense (DOD) Total		1,084,843	208,536

University of California
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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
12.U06	Total				1,884,843	208,536
12.U07		Direct	Department Of Defense (DOD)	N0017318P0526	20,146	
12.U07		Direct	Department Of Defense (DOD) Total		20,146	
12.U07	Total				20,146	
12.U08		Direct	Department Of Defense (DOD)	N00173-19-P-1671	2,023	
12.U08		Direct	Department Of Defense (DOD) Total		2,023	
12.U08	Total				2,023	
12.U09		Direct	Department Of Defense (DOD)	HDQMWR-14-C	72	
12.U09		Direct	Department Of Defense (DOD) Total		72	
12.U09	Total				72	
12.U10		Pass-through	American Burn Association	201121873	86,000	
12.U10		Pass-through	American Burn Association Total		86,000	
12.U10	Total				86,000	
12.U11		Pass-through	American Burn Association	201121883	85,999	
12.U11		Pass-through	American Burn Association Total		85,999	
12.U11	Total				85,999	
12.U12		Pass-through	American Burn Association	201703509	628	
12.U12		Pass-through	American Burn Association Total		628	
12.U12	Total				628	
12.U13		Pass-through	Lmi Government Consulting	A20-2591-001	13,598	
12.U13		Pass-through	Lmi Government Consulting Total		13,598	
12.U13	Total				13,598	
12.U14		Pass-through	Lmi Government Consulting	A20-2873-001	13,598	
12.U14		Pass-through	Lmi Government Consulting Total		13,598	
12.U14	Total				13,598	
12.U15		Pass-through	Manufacturing Techniques, Inc.	36306	46,239	
12.U15		Pass-through	Manufacturing Techniques, Inc. Total		46,239	
12.U15	Total				46,239	
14.267	Continuum Of Care Program	Pass-through	City And County Of San Francisco	A124764	174,041	
14.267	Continuum Of Care Program	Pass-through	City And County Of San Francisco Total		174,041	
14.267	Continuum Of Care Program Total				174,041	
15.235	Southern Nevada Public Land Management	Pass-through	Tahoe Resource Conservation District	31C74	9,037	
15.235	Southern Nevada Public Land Management	Pass-through	Tahoe Resource Conservation District Total		9,037	
15.235	Southern Nevada Public Land Management Total				9,037	
15.631	Partners For Fish And Wildlife	Direct	Department Of The Interior (DOI)	Various	660	
15.631	Partners For Fish And Wildlife	Direct	Department Of The Interior (DOI) Total		660	
15.631	Partners For Fish And Wildlife Total				660	
15.650	Research Grants (Generic)	Direct	Department Of The Interior (DOI)	Various	48	
15.650	Research Grants (Generic)	Direct	Department Of The Interior (DOI) Total		48	
15.650	Research Grants (Generic) Total				48	
15.656	Recovery Act Funds - Habitat Enhancement, Restoration And Improvement.	Direct	Department Of The Interior (DOI)	Various	542	
15.656	Recovery Act Funds - Habitat Enhancement, Restoration And Improvement.	Direct	Department Of The Interior (DOI) Total		542	
15.656	Recovery Act Funds - Habitat Enhancement, Restoration And Improvement. Total				542	
15.676	Youth Engagement, Education, And Employment	Direct	Department Of The Interior (DOI)	Various	19,500	
15.676	Youth Engagement, Education, And Employment	Direct	Department Of The Interior (DOI) Total		19,500	
15.676	Youth Engagement, Education, And Employment Total				19,500	
15.805	Assistance To State Water Resources Research Institutes	Direct	Department Of The Interior (DOI)	Various	83,850	83,850
15.805	Assistance To State Water Resources Research Institutes	Direct	Department Of The Interior (DOI) Total		83,850	83,850
15.805	Assistance To State Water Resources Research Institutes Total				83,850	83,850
15.807	Earthquake Hazards Program Assistance	Direct	Department Of The Interior (DOI)	Various	(1,575)	
15.807	Earthquake Hazards Program Assistance	Direct	Department Of The Interior (DOI) Total		(1,575)	
15.807	Earthquake Hazards Program Assistance Total				(1,575)	
15.808	U.S. Geological Survey Research And Data Collection	Direct	Department Of The Interior (DOI)	Various	4,033	
15.808	U.S. Geological Survey Research And Data Collection	Direct	Department Of The Interior (DOI) Total		4,033	
15.808	U.S. Geological Survey Research And Data Collection Total				4,033	
15.933	Preservation Of Japanese American Confinement Sites	Direct	Department Of The Interior (DOI)	Various	63,294	
15.933	Preservation Of Japanese American Confinement Sites	Direct	Department Of The Interior (DOI) Total		63,294	
15.933	Preservation Of Japanese American Confinement Sites Total				63,294	
15.945	Cooperative Research And Training Programs – Resources Of The National Park System	Direct	Department Of The Interior (DOI)	Various	17,527	
15.945	Cooperative Research And Training Programs – Resources Of The National Park System	Direct	Department Of The Interior (DOI) Total		17,527	
15.945	Cooperative Research And Training Programs – Resources Of The National Park System					
15.945	Cooperative Research And Training Programs – Resources Of The National Park System	Pass-through	Cooperative Ecosystem Studies Units	32929	(513)	
15.945	Cooperative Research And Training Programs – Resources Of The National Park System	Pass-through	Cooperative Ecosystem Studies Units	P16AC01594	(1,445)	
15.945	Cooperative Research And Training Programs – Resources Of The National Park System	Pass-through	Cooperative Ecosystem Studies Units Total		(1,958)	
15.945	Cooperative Research And Training Programs – Resources Of The National Park System Total				15,569	
15.U01		Direct	Department Of The Interior (DOI)	140P2119C0010	2,423,357	
15.U01		Direct	Department Of The Interior (DOI) Total		2,423,357	
15.U01	Total				2,423,357	
15.U02		Direct	Department Of The Interior (DOI)	A18-0915	370,680	
15.U02		Direct	Department Of The Interior (DOI) Total		370,680	
15.U02	Total				370,680	
15.U03		Direct	Department Of The Interior (DOI)	P15AP00420	18,493	
15.U03		Direct	Department Of The Interior (DOI) Total		18,493	
15.U03	Total				18,493	
15.U04		Direct	Department Of The Interior (DOI)	P16AC01575:01	13,286	
15.U04		Direct	Department Of The Interior (DOI) Total		13,286	
15.U04	Total				13,286	
15.U05		Direct	Department Of The Interior (DOI)	P15AP00419	19	
15.U05		Direct	Department Of The Interior (DOI) Total		19	

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Other Federal Programs

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
15.U05	Total				19	
16.525	Grants To Reduce Domestic Violence, Dating Violence, Sexual Assault, And Stalking On Campus	Direct	Department Of Justice (DOJ)	Various	75,430	
16.525	Grants To Reduce Domestic Violence, Dating Violence, Sexual Assault, And Stalking On Campus	Direct	Department Of Justice (DOJ) Total		75,430	
16.525	Grants To Reduce Domestic Violence, Dating Violence, Sexual Assault, And Stalking On Campus Total				75,430	
16.560	National Institute Of Justice Research, Evaluation, And Development Project Grants	Direct	Department Of Justice (DOJ)	Various	82,583	
16.560	National Institute Of Justice Research, Evaluation, And Development Project Grants	Direct	Department Of Justice (DOJ) Total		82,583	
16.560	National Institute Of Justice Research, Evaluation, And Development Project Grants Total				82,583	
16.575	Crime Victim Assistance	Pass-through	Calico Center	20204538	9,095	
16.575	Crime Victim Assistance	Pass-through	Calico Center Total		9,095	
16.575	Crime Victim Assistance	Pass-through	California Governor's Office Of Emergency Services	008613	215,925	149,332
16.575	Crime Victim Assistance	Pass-through	California Governor's Office Of Emergency Services	18250	10,407	
16.575	Crime Victim Assistance	Pass-through	California Governor's Office Of Emergency Services	18607	24,129	
16.575	Crime Victim Assistance	Pass-through	California Governor's Office Of Emergency Services	24C76	36,505	
16.575	Crime Victim Assistance	Pass-through	California Governor's Office Of Emergency Services	AT19-05-8556	147,681	
16.575	Crime Victim Assistance	Pass-through	California Governor's Office Of Emergency Services	CS18 11 8556	93,036	
16.575	Crime Victim Assistance	Pass-through	California Governor's Office Of Emergency Services	CS19 12 8556	47,270	
16.575	Crime Victim Assistance	Pass-through	California Governor's Office Of Emergency Services	KC18028565	164,998	
16.575	Crime Victim Assistance	Pass-through	California Governor's Office Of Emergency Services	RC19358565	536,842	
16.575	Crime Victim Assistance	Pass-through	California Governor's Office Of Emergency Services	XY16011141	107,086	
16.575	Crime Victim Assistance	Pass-through	California Governor's Office Of Emergency Services	XY19 02 8556	91,326	
16.575	Crime Victim Assistance	Pass-through	California Governor's Office Of Emergency Services	XY19A28556	96,501	
16.575	Crime Victim Assistance	Pass-through	California Governor's Office Of Emergency Services Total		1,571,707	149,332
16.575	Crime Victim Assistance Total				1,580,802	149,332
16.582	Crime Victim Assistance/Discretionary Grants	Pass-through	California School-Based Health Alliance	OVC WCCUSD 17-20	20,815	
16.582	Crime Victim Assistance/Discretionary Grants	Pass-through	California School-Based Health Alliance Total		20,815	
16.582	Crime Victim Assistance/Discretionary Grants Total				20,815	
16.726	Juvenile Mentoring Program	Pass-through	National 4-H Council	87C60	251	
16.726	Juvenile Mentoring Program	Pass-through	National 4-H Council Total		251	
16.726	Juvenile Mentoring Program Total				251	
16.734	Special Data Collections And Statistical Studies	Direct	Department Of Justice (DOJ)	Various	13,013	
16.734	Special Data Collections And Statistical Studies	Direct	Department Of Justice (DOJ) Total		13,013	
16.734	Special Data Collections And Statistical Studies Total				13,013	
16.812	Second Chance Act Reentry Initiative	Pass-through	Alameda County Probation Department	20194788	111,845	
16.812	Second Chance Act Reentry Initiative	Pass-through	Alameda County Probation Department Total		111,845	
16.812	Second Chance Act Reentry Initiative Total				111,845	
17.502	Occupational Safety And Health Susan Harwood Training Grants	Direct	Department Of Labor (DOL)	Various	40,359	
17.502	Occupational Safety And Health Susan Harwood Training Grants	Direct	Department Of Labor (DOL) Total		40,359	
17.502	Occupational Safety And Health Susan Harwood Training Grants	Pass-through	Youth Policy Institute Inc.	79499	(72,418)	
17.502	Occupational Safety And Health Susan Harwood Training Grants	Pass-through	Youth Policy Institute Inc. Total		(72,418)	
17.502	Occupational Safety And Health Susan Harwood Training Grants Total				(32,059)	
19.009	Academic Exchange Programs - Undergraduate Programs	Pass-through	International Research And Exchanges Board, Inc.	31C99	98,712	
19.009	Academic Exchange Programs - Undergraduate Programs	Pass-through	International Research And Exchanges Board, Inc.	75B42	53,225	
19.009	Academic Exchange Programs - Undergraduate Programs	Pass-through	International Research And Exchanges Board, Inc.	S-ECAGD-18-CA-0022	30,452	
19.009	Academic Exchange Programs - Undergraduate Programs	Pass-through	International Research And Exchanges Board, Inc. Total		182,389	
19.009	Academic Exchange Programs - Undergraduate Programs	Pass-through	Partners Of The Americas, Inc.	36B29	1,085	
19.009	Academic Exchange Programs - Undergraduate Programs	Pass-through	Partners Of The Americas, Inc. Total		1,085	
19.009	Academic Exchange Programs - Undergraduate Programs Total				183,474	
19.010	Academic Exchange Programs - Hubert H. Humphrey Fellowship Program	Pass-through	Institute Of International Education	SECAGD19CA0047	235,401	
19.010	Academic Exchange Programs - Hubert H. Humphrey Fellowship Program	Pass-through	Institute Of International Education Total		235,401	
19.010	Academic Exchange Programs - Hubert H. Humphrey Fellowship Program Total				235,401	
19.021	Investing In People In The Middle East And North Africa	Direct	Department Of State (DOS)	Various	6,093	
19.021	Investing In People In The Middle East And North Africa	Direct	Department Of State (DOS) Total		6,093	
19.021	Investing In People In The Middle East And North Africa Total				6,093	
19.345	International Programs To Support Democracy, Human Rights And Labor	Direct	Department Of State (DOS)	Various	580,270	10,380
19.345	International Programs To Support Democracy, Human Rights And Labor	Direct	Department Of State (DOS) Total		580,270	10,380
19.345	International Programs To Support Democracy, Human Rights And Labor Total				580,270	10,380
19.401	Academic Exchange Programs - Scholars	Pass-through	Institute Of International Education	FSC1901_UCLA-10-1-2019	32,914	
19.401	Academic Exchange Programs - Scholars	Pass-through	Institute Of International Education	UCD-10-1-2018	7,927	
19.401	Academic Exchange Programs - Scholars	Pass-through	Institute Of International Education Total		40,841	
19.401	Academic Exchange Programs - Scholars Total				40,841	
19.402	Professional And Cultural Exchange Programs - International Visitor Leadership Program	Pass-through	Global Ties U.S.	CPG-FY19-216	61,015	
19.402	Professional And Cultural Exchange Programs - International Visitor Leadership Program	Pass-through	Global Ties U.S.	CPG-FY20-129:1	21,222	
19.402	Professional And Cultural Exchange Programs - International Visitor Leadership Program	Pass-through	Global Ties U.S. Total		82,237	
19.402	Professional And Cultural Exchange Programs - International Visitor Leadership Program Total				82,237	
19.415	Professional And Cultural Exchange Programs - Citizen Exchanges	Pass-through	Institute Of International Education	36C59	3,359	
19.415	Professional And Cultural Exchange Programs - Citizen Exchanges	Pass-through	Institute Of International Education Total		3,359	
19.415	Professional And Cultural Exchange Programs - Citizen Exchanges Total				3,359	
19.U01		Direct	Department Of State (DOS)	19KE5020P0999	23,675	3,800
19.U01		Direct	Department Of State (DOS) Total		23,675	3,800
19.U01	Total				23,675	3,800
19.U02		Pass-through	Institute Of International Education	HHH1801000 UCD 7.1.18	(3,780)	
19.U02		Pass-through	Institute Of International Education Total		(3,780)	
19.U02	Total				(3,780)	
19.U03		Pass-through	Institute Of International Education	S-ECAGD-19-CA 0045	123,641	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
19.U03		Pass-through	Institute Of International Education Total		123,641	
19.U03	Total				123,641	
19.U04		Pass-through	Institute Of International Education	S-ECAGD18-CA-1009	37,337	
19.U04		Pass-through	Institute Of International Education Total		37,337	
19.U04	Total				37,337	
20.108	Aviation Research Grants	Direct	Department Of Transportation (DOT)	Various	79,437	
20.108	Aviation Research Grants	Direct	Department Of Transportation (DOT) Total		79,437	
20.108	Aviation Research Grants Total				79,437	
20.215	Highway Training And Education	Direct	Department Of Transportation (DOT)	Various	49,120	
20.215	Highway Training And Education	Direct	Department Of Transportation (DOT) Total		49,120	
20.215	Highway Training And Education Total				49,120	
20.701	University Transportation Centers Program	Pass-through	University Of Southern California	59825	13	
20.701	University Transportation Centers Program	Pass-through	University Of Southern California Total		13	
20.701	University Transportation Centers Program Total				13	
20.U01		Direct	Department Of Transportation (DOT)	693JU318P000048	17,720	
20.U01		Direct	Department Of Transportation (DOT) Total		17,720	
20.U01	Total				17,720	
20.U02		Pass-through	Applied Pavement Technology, Inc.	TOPR 5_15-001-RR05-UCD	40,577	
20.U02		Pass-through	Applied Pavement Technology, Inc. Total		40,577	
20.U02	Total				40,577	
20.U03		Pass-through	Applied Pavement Technology, Inc.	TOPR215001RR02UCD	14,905	
20.U03		Pass-through	Applied Pavement Technology, Inc. Total		14,905	
20.U03	Total				14,905	
20.U04		Pass-through	Applied Pavement Technology, Inc.	TOPR315001RR03UCD	25,419	
20.U04		Pass-through	Applied Pavement Technology, Inc. Total		25,419	
20.U04	Total				25,419	
20.U05		Pass-through	Davis, City Of	88294	7,468	
20.U05		Pass-through	Davis, City Of Total		7,468	
20.U05	Total				7,468	
42.U01		Direct	Library Of Congress	Various	182,675	
42.U01		Direct	Library Of Congress Total		182,675	
42.U01	Total				182,675	
43.001	Science	Direct	National Aeronautics And Space Administration	Various	736,214	
43.001	Science	Direct	National Aeronautics And Space Administration Total		736,214	
43.001	Science	Pass-through	Jet Propulsion Laboratory	1587840	8,574	
43.001	Science	Pass-through	Jet Propulsion Laboratory Total		8,574	
43.001	Science Total				744,788	
43.008	Office Of Stem Engagement (OSTEM)	Direct	National Aeronautics And Space Administration	Various	201,306	
43.008	Office Of Stem Engagement (OSTEM)	Direct	National Aeronautics And Space Administration Total		201,306	
43.008	Office Of Stem Engagement (OSTEM) Total				201,306	
43.012	Space Technology	Direct	National Aeronautics And Space Administration	Various	544,948	
43.012	Space Technology	Direct	National Aeronautics And Space Administration Total		544,948	
43.012	Space Technology Total				544,948	
43.U01		Direct	National Aeronautics And Space Administration	80NSSC19P0059	50,452	
43.U01		Direct	National Aeronautics And Space Administration Total		50,452	
43.U01	Total				50,452	
43.U02		Pass-through	Jet Propulsion Laboratory	86A84	439	
43.U02		Pass-through	Jet Propulsion Laboratory Total		439	
43.U02	Total				439	
43.U03		Pass-through	Universities Space Research Association	29B31	(18,850)	
43.U03		Pass-through	Universities Space Research Association Total		(18,850)	
43.U03	Total				(18,850)	
43.U04		Pass-through	University Of Colorado Boulder	1000023229	6,392	
43.U04		Pass-through	University Of Colorado Boulder Total		6,392	
43.U04	Total				6,392	
45.024	Promotion Of The Arts Grants To Organizations And Individuals	Direct	The Institute Of Museum And Library Services	Various	90,821	
45.024	Promotion Of The Arts Grants To Organizations And Individuals	Direct	The Institute Of Museum And Library Services Total		90,821	
45.024	Promotion Of The Arts Grants To Organizations And Individuals	Pass-through	Mid Atlantic Arts Foundation	81877	5,600	
45.024	Promotion Of The Arts Grants To Organizations And Individuals	Pass-through	Mid Atlantic Arts Foundation Total		5,600	
45.024	Promotion Of The Arts Grants To Organizations And Individuals Total				96,421	
45.149	Promotion Of The Humanities Division Of Preservation And Access	Direct	The Institute Of Museum And Library Services	Various	147,764	
45.149	Promotion Of The Humanities Division Of Preservation And Access	Direct	The Institute Of Museum And Library Services Total		147,764	
45.149	Promotion Of The Humanities Division Of Preservation And Access	Pass-through	Nfah Humanities, National Endowment For The	18388	8,877	
45.149	Promotion Of The Humanities Division Of Preservation And Access	Pass-through	Nfah Humanities, National Endowment For The Total		8,877	
45.149	Promotion Of The Humanities Division Of Preservation And Access Total				156,640	
45.161	Promotion Of The Humanities Research	Direct	The Institute Of Museum And Library Services	Various	506,647	
45.161	Promotion Of The Humanities Research	Direct	The Institute Of Museum And Library Services Total		506,647	
45.161	Promotion Of The Humanities Research Total				506,647	
45.162	Promotion Of The Humanities Teaching And Learning Resources And Curriculum Development	Direct	The Institute Of Museum And Library Services	Various	34,975	
45.162	Promotion Of The Humanities Teaching And Learning Resources And Curriculum Development	Direct	The Institute Of Museum And Library Services Total		34,975	
45.162	Promotion Of The Humanities Teaching And Learning Resources And Curriculum Development Total				34,975	
45.163	Promotion Of The Humanities Professional Development	Direct	The Institute Of Museum And Library Services	Various	79,207	
45.163	Promotion Of The Humanities Professional Development	Direct	The Institute Of Museum And Library Services Total		79,207	
45.163	Promotion Of The Humanities Professional Development Total				79,207	
45.164	Promotion Of The Humanities Public Programs	Direct	The Institute Of Museum And Library Services	Various	36,053	
45.164	Promotion Of The Humanities Public Programs	Direct	The Institute Of Museum And Library Services Total		36,053	

University of California
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Other Federal Programs

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
45.164	Promotion Of The Humanities Public Programs Total				36,053	
45.169	Promotion Of The Humanities Office Of Digital Humanities	Direct	The Institute Of Museum And Library Services	Various	62,261	
45.169	Promotion Of The Humanities Office Of Digital Humanities	Direct	The Institute Of Museum And Library Services Total		62,261	
45.169	Promotion Of The Humanities Office Of Digital Humanities Total				62,261	
45.301	Museums For America	Direct	The Institute Of Museum And Library Services	Various	272,924	
45.301	Museums For America	Direct	The Institute Of Museum And Library Services Total		272,924	
45.301	Museums For America Total				272,924	
45.310	Grants To States - Libraries	Pass-through	California State Library	18444	29,360	
45.310	Grants To States - Libraries	Pass-through	California State Library	18464	33,861	
45.310	Grants To States - Libraries	Pass-through	California State Library Total		63,221	
45.310	Grants To States - Libraries Total				63,221	
45.312	National Leadership Grants	Direct	The Institute Of Museum And Library Services	Various	(2,596)	
45.312	National Leadership Grants	Direct	The Institute Of Museum And Library Services Total		(2,596)	
45.312	National Leadership Grants Total				(2,596)	
45.313	Laura Bush 21st Century Librarian Program	Direct	The Institute Of Museum And Library Services	Various	197,693	
45.313	Laura Bush 21st Century Librarian Program	Direct	The Institute Of Museum And Library Services Total		197,693	
45.313	Laura Bush 21st Century Librarian Program Total				197,693	
59.007	7(J) Technical Assistance	Direct	Small Business Administration (SBA)	Various	(67)	
59.007	7(J) Technical Assistance	Direct	Small Business Administration (SBA) Total		(67)	
59.007	7(J) Technical Assistance Total				(67)	
59.037	Small Business Development Centers	Direct	Small Business Administration (SBA)	Various	1,798,332	1,186,733
59.037	Small Business Development Centers	Direct	Small Business Administration (SBA) Total		1,798,332	1,186,733
59.037	Small Business Development Centers	Pass-through	California State University Fullerton/Csu Fullerton Auxiliary Services	009823	2,082	
59.037	Small Business Development Centers	Pass-through	California State University Fullerton/Csu Fullerton Auxiliary Services	010363	100,332	
59.037	Small Business Development Centers	Pass-through	California State University Fullerton/Csu Fullerton Auxiliary Services	87451	80,358	
59.037	Small Business Development Centers	Pass-through	California State University Fullerton/Csu Fullerton Auxiliary Services	S-6683-UJC-CYC2	40,264	
59.037	Small Business Development Centers	Pass-through	California State University Fullerton/Csu Fullerton Auxiliary Services Total		223,065	
59.037	Small Business Development Centers Total				2,021,397	1,186,733
64.U01		Direct	Department Of Veterans Administration	Various	12,393	
64.U01		Direct	Department Of Veterans Administration Total		12,393	
64.U01	Total				12,393	
64.U02		Direct	Department Of Veterans Administration	Various	9,761	
64.U02		Direct	Department Of Veterans Administration Total		9,761	
64.U02	Total				9,761	
64.U03		Direct	Department Of Veterans Administration	Various	72,730	
64.U03		Direct	Department Of Veterans Administration Total		72,730	
64.U03	Total				72,730	
64.U04		Direct	Department Of Veterans Administration	IPA-Smith	138,864	
64.U04		Direct	Department Of Veterans Administration Total		138,864	
64.U04	Total				138,864	
64.U05		Direct	Department Of Veterans Administration	IPA-McGee	109,804	
64.U05		Direct	Department Of Veterans Administration Total		109,804	
64.U05	Total				109,804	
64.U06		Direct	Department Of Veterans Administration	IPA-Steers	106,208	
64.U06		Direct	Department Of Veterans Administration Total		106,208	
64.U06	Total				106,208	
64.U07		Direct	Department Of Veterans Administration	36C26119D0019	96,907	
64.U07		Direct	Department Of Veterans Administration Total		96,907	
64.U07	Total				96,907	
64.U08		Direct	Department Of Veterans Administration	IPA-Zuo	92,265	
64.U08		Direct	Department Of Veterans Administration Total		92,265	
64.U08	Total				92,265	
64.U09		Direct	Department Of Veterans Administration	IPA-Steers	91,458	
64.U09		Direct	Department Of Veterans Administration Total		91,458	
64.U09	Total				91,458	
64.U10		Direct	Department Of Veterans Administration	IPA-Meyers	89,133	
64.U10		Direct	Department Of Veterans Administration Total		89,133	
64.U10	Total				89,133	
64.U11		Direct	Department Of Veterans Administration	IPA-Aquiari	88,825	
64.U11		Direct	Department Of Veterans Administration Total		88,825	
64.U11	Total				88,825	
64.U12		Direct	Department Of Veterans Administration	IPA-Hu	88,003	
64.U12		Direct	Department Of Veterans Administration Total		88,003	
64.U12	Total				88,003	
64.U13		Direct	Department Of Veterans Administration	IPA-Hiro	86,236	
64.U13		Direct	Department Of Veterans Administration Total		86,236	
64.U13	Total				86,236	
64.U14		Direct	Department Of Veterans Administration	IPA-Ala	76,103	
64.U14		Direct	Department Of Veterans Administration Total		76,103	
64.U14	Total				76,103	
64.U15		Direct	Department Of Veterans Administration	IPA-Tidwell	72,679	
64.U15		Direct	Department Of Veterans Administration Total		72,679	
64.U15	Total				72,679	
64.U16		Direct	Department Of Veterans Administration	IPA-Liang	67,085	
64.U16		Direct	Department Of Veterans Administration Total		67,085	
64.U16	Total				67,085	
64.U17		Direct	Department Of Veterans Administration	IPA-Jinq	66,669	
64.U17		Direct	Department Of Veterans Administration Total		66,669	
64.U17	Total				66,669	
64.U18		Direct	Department Of Veterans Administration	20200226	66,233	
64.U18		Direct	Department Of Veterans Administration Total		66,233	
64.U18	Total				66,233	
64.U19		Direct	Department Of Veterans Administration	IPA-Chen	62,868	
64.U19		Direct	Department Of Veterans Administration Total		62,868	
64.U19	Total				62,868	

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Other Federal Programs

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64.U20		Direct	Department Of Veterans Administration	IPA-Shih	62,481	
64.U20		Direct	Department Of Veterans Administration Total		62,481	
64.U20	Total				62,481	
64.U21		Direct	Department Of Veterans Administration	IPA-Thibodeau	62,474	
64.U21		Direct	Department Of Veterans Administration Total		62,474	
64.U21	Total				62,474	
64.U22		Direct	Department Of Veterans Administration	IPA-Khrucharoen	61,602	
64.U22		Direct	Department Of Veterans Administration Total		61,602	
64.U22	Total				61,602	
64.U23		Direct	Department Of Veterans Administration	IPA-Sugar	54,570	
64.U23		Direct	Department Of Veterans Administration Total		54,570	
64.U23	Total				54,570	
64.U24		Direct	Department Of Veterans Administration	IPA-Lagishetty	50,879	
64.U24		Direct	Department Of Veterans Administration Total		50,879	
64.U24	Total				50,879	
64.U25		Direct	Department Of Veterans Administration	IPA-Perez de Sevilla	50,247	
64.U25		Direct	Department Of Veterans Administration Total		50,247	
64.U25	Total				50,247	
64.U26		Direct	Department Of Veterans Administration	IPA-Whelan	46,555	
64.U26		Direct	Department Of Veterans Administration Total		46,555	
64.U26	Total				46,555	
64.U27		Direct	Department Of Veterans Administration	IPA-Torreliza	44,264	
64.U27		Direct	Department Of Veterans Administration Total		44,264	
64.U27	Total				44,264	
64.U28		Direct	Department Of Veterans Administration	IPA-DeVera	40,617	
64.U28		Direct	Department Of Veterans Administration Total		40,617	
64.U28	Total				40,617	
64.U29		Direct	Department Of Veterans Administration	IPA-Pu-Qing	34,838	
64.U29		Direct	Department Of Veterans Administration Total		34,838	
64.U29	Total				34,838	
64.U30		Direct	Department Of Veterans Administration	IPA-Liang	29,693	
64.U30		Direct	Department Of Veterans Administration Total		29,693	
64.U30	Total				29,693	
64.U31		Direct	Department Of Veterans Administration	IPA-Lee	27,728	
64.U31		Direct	Department Of Veterans Administration Total		27,728	
64.U31	Total				27,728	
64.U32		Direct	Department Of Veterans Administration	IPA-Hirano	27,150	
64.U32		Direct	Department Of Veterans Administration Total		27,150	
64.U32	Total				27,150	
64.U33		Direct	Department Of Veterans Administration	36C26118C0027	25,554	
64.U33		Direct	Department Of Veterans Administration Total		25,554	
64.U33	Total				25,554	
64.U34		Direct	Department Of Veterans Administration	IPA-Ventura	18,909	
64.U34		Direct	Department Of Veterans Administration Total		18,909	
64.U34	Total				18,909	
64.U35		Direct	Department Of Veterans Administration	IPA-Needleman	17,330	
64.U35		Direct	Department Of Veterans Administration Total		17,330	
64.U35	Total				17,330	
64.U36		Direct	Department Of Veterans Administration	IPA-Hellemann	17,188	
64.U36		Direct	Department Of Veterans Administration Total		17,188	
64.U36	Total				17,188	
64.U37		Direct	Department Of Veterans Administration	IPA-Tsenq	16,603	
64.U37		Direct	Department Of Veterans Administration Total		16,603	
64.U37	Total				16,603	
64.U38		Direct	Department Of Veterans Administration	IPA-Krysan	13,491	
64.U38		Direct	Department Of Veterans Administration Total		13,491	
64.U38	Total				13,491	
64.U39		Direct	Department Of Veterans Administration	36C26219C0144	12,708	
64.U39		Direct	Department Of Veterans Administration Total		12,708	
64.U39	Total				12,708	
64.U40		Direct	Department Of Veterans Administration	36C24E19D0035	10,187	
64.U40		Direct	Department Of Veterans Administration Total		10,187	
64.U40	Total				10,187	
64.U41		Direct	Department Of Veterans Administration	IPA-Gombein	9,304	
64.U41		Direct	Department Of Veterans Administration Total		9,304	
64.U41	Total				9,304	
64.U42		Direct	Department Of Veterans Administration	IPA-Vera	8,716	
64.U42		Direct	Department Of Veterans Administration Total		8,716	
64.U42	Total				8,716	
64.U43		Direct	Department Of Veterans Administration	IPA-Hellman	5,578	
64.U43		Direct	Department Of Veterans Administration Total		5,578	
64.U43	Total				5,578	
64.U44		Direct	Department Of Veterans Administration	IPA-Hays	4,547	
64.U44		Direct	Department Of Veterans Administration Total		4,547	
64.U44	Total				4,547	
64.U45		Direct	Department Of Veterans Administration	IPA-Steers	45	
64.U45		Direct	Department Of Veterans Administration Total		45	
64.U45	Total				45	
64.U46		Direct	Department Of Veterans Administration	IPA-Lin	(86)	
64.U46		Direct	Department Of Veterans Administration Total		(86)	
64.U46	Total				(86)	
64.U47		Direct	Department Of Veterans Administration	IPA-Mao	(240)	
64.U47		Direct	Department Of Veterans Administration Total		(240)	
64.U47	Total				(240)	
64.U48		Direct	Department Of Veterans Administration	IPA-LUN	(5,508)	
64.U48		Direct	Department Of Veterans Administration Total		(5,508)	
64.U48	Total				(5,508)	
64.U49		Direct	Department Of Veterans Administration	IPA-CHUNG	(15,503)	
64.U49		Direct	Department Of Veterans Administration Total		(15,503)	
64.U49	Total				(15,503)	

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66.456	National Estuary Program	Pass-through	Association Of Bay Area Governments	16477-2019	27,526	
66.456	National Estuary Program	Pass-through	Association Of Bay Area Governments Total		27,526	
66.456	National Estuary Program Total				27,526	
66.716	Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, And Studies	Direct	Environmental Protection Agency (EPA)	Various	1,281,158	137,851
66.716	Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, And Studies	Direct	Environmental Protection Agency (EPA) Total		1,281,158	137,851
66.716	Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, And Studies	Pass-through	Extension Foundation	28C94	12,985	
66.716	Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, And Studies	Pass-through	Extension Foundation	81C12	7,733	
66.716	Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, And Studies	Pass-through	Extension Foundation Total		20,717	
66.716	Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, And Studies	Pass-through	Oregon State University	83947901	7,897	
66.716	Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, And Studies	Pass-through	Oregon State University Total		7,897	
66.716	Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, And Studies Total				1,309,772	137,851
66.951	Environmental Education Grants	Direct	Environmental Protection Agency (EPA)	Various	48,332	3,495
66.951	Environmental Education Grants	Direct	Environmental Protection Agency (EPA) Total		48,332	3,495
66.951	Environmental Education Grants Total				48,332	3,495
66.U01		Direct	Environmental Protection Agency (EPA)	201602353	1,858,856	606,617
66.U01		Direct	Environmental Protection Agency (EPA) Total		1,858,856	606,617
66.U01	Total				1,858,856	606,617
66.U02		Pass-through	Tahoe Regional Planning Agency (TRPA)	17C00051	33,267	
66.U02		Pass-through	Tahoe Regional Planning Agency (TRPA) Total		33,267	
66.U02	Total				33,267	
77.008	U.S. Nuclear Regulatory Commission Scholarship And Fellowship Program	Direct	Nuclear Regulatory Commission	Various	313,964	
77.008	U.S. Nuclear Regulatory Commission Scholarship And Fellowship Program	Direct	Nuclear Regulatory Commission Total		313,964	
77.008	U.S. Nuclear Regulatory Commission Scholarship And Fellowship Program Total				313,964	
81.049	Office Of Science Financial Assistance Program	Direct	Department Of Energy (DOE)	Various	37,683	
81.049	Office Of Science Financial Assistance Program	Direct	Department Of Energy (DOE) Total		37,683	
81.049	Office Of Science Financial Assistance Program	Pass-through	Colorado State University	DESC0017975	37,970	
81.049	Office Of Science Financial Assistance Program	Pass-through	Colorado State University Total		37,970	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC	B637111	22,142	
81.049	Office Of Science Financial Assistance Program	Pass-through	Lawrence Livermore National Security, LLC Total		22,142	
81.049	Office Of Science Financial Assistance Program	Pass-through	Sandia National Laboratories	79107	4,730	
81.049	Office Of Science Financial Assistance Program	Pass-through	Sandia National Laboratories Total		4,730	
81.049	Office Of Science Financial Assistance Program Total				102,526	
81.087	Renewable Energy Research And Development	Pass-through	Sunspec Alliance	SUB PO #1004 (DE-EE0008759)	33,501	
81.087	Renewable Energy Research And Development	Pass-through	Sunspec Alliance Total		33,501	
81.087	Renewable Energy Research And Development Total				33,501	
81.112	Stewardship Science Grant Program	Pass-through	Krell Institute	040009	874	
81.112	Stewardship Science Grant Program	Pass-through	Krell Institute	040010	12,527	
81.112	Stewardship Science Grant Program	Pass-through	Krell Institute Total		13,401	
81.112	Stewardship Science Grant Program Total				13,401	
81.121	Nuclear Energy Research, Development And Demonstration	Direct	Department Of Energy (DOE)	Various	198,312	
81.121	Nuclear Energy Research, Development And Demonstration	Direct	Department Of Energy (DOE) Total		198,312	
81.121	Nuclear Energy Research, Development And Demonstration Total				198,312	
81.136	Long-Term Surveillance And Maintenance	Direct	Department Of Energy (DOE)	Various	147,781	
81.136	Long-Term Surveillance And Maintenance	Direct	Department Of Energy (DOE) Total		147,781	
81.136	Long-Term Surveillance And Maintenance Total				147,781	
81.137	Minority Economic Impact	Direct	Department Of Energy (DOE)	7531981	34,272	
81.137	Minority Economic Impact	Direct	Department Of Energy (DOE) Total		34,272	
81.137	Minority Economic Impact Total				34,272	
81.U01		Pass-through	Lawrence Livermore National Security, LLC	MARCIA 7/19	1,128	
81.U01		Pass-through	Lawrence Livermore National Security, LLC Total		1,128	
81.U01	Total				1,128	
81.U02		Direct	Department Of Energy (DOE)	7366075	1,909,917	
81.U02		Direct	Department Of Energy (DOE) Total		1,909,917	
81.U02	Total				1,909,917	
81.U03		Direct	Department Of Energy (DOE)	7434121	182,863	
81.U03		Direct	Department Of Energy (DOE) Total		182,863	
81.U03	Total				182,863	
81.U04		Direct	Department Of Energy (DOE)	7216724	93,042	
81.U04		Direct	Department Of Energy (DOE) Total		93,042	
81.U04	Total				93,042	
81.U05		Direct	Department Of Energy (DOE)	Various	44,493	
81.U05		Direct	Department Of Energy (DOE) Total		44,493	
81.U05	Total				44,493	
81.U06		Direct	Department Of Energy (DOE)	7333660	32,631	
81.U06		Direct	Department Of Energy (DOE) Total		32,631	
81.U06	Total				32,631	
81.U07		Direct	Department Of Energy (DOE)	7520719	31,737	
81.U07		Direct	Department Of Energy (DOE) Total		31,737	
81.U07	Total				31,737	
81.U08		Direct	Department Of Energy (DOE)	7477878	16,453	
81.U08		Direct	Department Of Energy (DOE) Total		16,453	
81.U08	Total				16,453	
81.U09		Direct	Department Of Energy (DOE)	7493959	13,004	
81.U09		Direct	Department Of Energy (DOE) Total		13,004	
81.U09	Total				13,004	
81.U10		Direct	Department Of Energy (DOE)	7353934	3,819	
81.U10		Direct	Department Of Energy (DOE) Total		3,819	

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81.U10	Total				3,819	
81.U11		Direct	Department Of Energy (DOE)	7226193	99	
81.U11		Direct	Department Of Energy (DOE) Total		99	
81.U11	Total				99	
81.U12		Pass-through	Advanced Research Corporation	83A59	21	
81.U12		Pass-through	Advanced Research Corporation Total		21	
81.U12	Total				21	
81.U13		Pass-through	Krell Institute	A20-2990	47,540	
81.U13		Pass-through	Krell Institute Total		47,540	
81.U13	Total				47,540	
81.U14		Pass-through	Lawrence Livermore National Security, LLC	A20-3661	35,041	
81.U14		Pass-through	Lawrence Livermore National Security, LLC Total		35,041	
81.U14	Total				35,041	
81.U15		Pass-through	Lawrence Livermore National Security, LLC	B620069	120,737	
81.U15		Pass-through	Lawrence Livermore National Security, LLC Total		120,737	
81.U15	Total				120,737	
81.U16		Pass-through	Lawrence Livermore National Security, LLC	B635050	8,895	
81.U16		Pass-through	Lawrence Livermore National Security, LLC Total		8,895	
81.U16	Total				8,895	
81.U17		Pass-through	Lawrence Livermore National Security, LLC	B635133	50,719	
81.U17		Pass-through	Lawrence Livermore National Security, LLC Total		50,719	
81.U17	Total				50,719	
81.U18		Pass-through	Los Alamos National Security, LLC	SUB 404673 (NONE)	1,917	
81.U18		Pass-through	Los Alamos National Security, LLC Total		1,917	
81.U18	Total				1,917	
81.U19		Pass-through	Oak Ridge National Laboratory	4000168234	26,541	
81.U19		Pass-through	Oak Ridge National Laboratory Total		26,541	
81.U19	Total				26,541	
81.U20		Pass-through	Sandia National Laboratories	P01668054	1	
81.U20		Pass-through	Sandia National Laboratories Total		1	
81.U20	Total				1	
84.003		Direct	Department Of Education (ED)	(blank)	192,455	
84.003		Direct	Department Of Education (ED) Total		192,455	
84.003	Total				192,455	
84.010	Title I Grants To Local Educational Agencies	Pass-through	San Diego County	Various	957,029	
84.010	Title I Grants To Local Educational Agencies	Pass-through	San Diego County Total		957,029	
84.010	Title I Grants To Local Educational Agencies Total				957,029	
84.015	National Resource Centers Program For Foreign Language And Area Studies Or Foreign Language And International Studies Program And Foreign Language And Area Studies Fellowship Program	Direct	Department Of Education (ED)	Various	2,772,010	31,470
84.015	National Resource Centers Program For Foreign Language And Area Studies Or Foreign Language And International Studies Program And Foreign Language And Area Studies Fellowship Program	Direct	Department Of Education (ED) Total		2,772,010	31,470
84.015	National Resource Centers Program For Foreign Language And Area Studies Or Foreign Language And International Studies Program And Foreign Language And Area Studies Fellowship Program Total				2,772,010	31,470
84.022	Overseas Programs - Doctoral Dissertation Research Abroad	Direct	Department Of Education (ED)	Various	365,577	
84.022	Overseas Programs - Doctoral Dissertation Research Abroad	Direct	Department Of Education (ED) Total		365,577	
84.022	Overseas Programs - Doctoral Dissertation Research Abroad Total				365,577	
84.031	Higher Education Institutional Aid	Direct	Department Of Education (ED)	Various	2,962,038	
84.031	Higher Education Institutional Aid	Direct	Department Of Education (ED) Total		2,962,038	
84.031	Higher Education Institutional Aid	Pass-through	California State University, Dominguez Hills Foundation	F18-161	102,439	
84.031	Higher Education Institutional Aid	Pass-through	California State University, Dominguez Hills Foundation Total		102,439	
84.031	Higher Education Institutional Aid	Pass-through	San Jose City College	A16-0099-004	320,864	
84.031	Higher Education Institutional Aid	Pass-through	San Jose City College Total		320,864	
84.031	Higher Education Institutional Aid	Pass-through	Santa Monica College	A172125SF3	277,247	
84.031	Higher Education Institutional Aid	Pass-through	Santa Monica College Total		277,247	
84.031	Higher Education Institutional Aid Total				3,662,587	
84.116	Fund For The Improvement Of Postsecondary Education	Pass-through	University Of Minnesota	63430	59,116	
84.116	Fund For The Improvement Of Postsecondary Education	Pass-through	University Of Minnesota Total		59,116	
84.116	Fund For The Improvement Of Postsecondary Education Total				59,116	
84.120	Minority Science And Engineering Improvement	Pass-through	San Mateo County	59005	3,889	
84.120	Minority Science And Engineering Improvement	Pass-through	San Mateo County Total		3,889	
84.120	Minority Science And Engineering Improvement Total				3,889	
84.126	Rehabilitation Services-Vocational Rehabilitation Grants To States	Pass-through	California Department Of Rehabilitation	29891	650,920	
84.126	Rehabilitation Services-Vocational Rehabilitation Grants To States	Pass-through	California Department Of Rehabilitation	84704	(4,512)	
84.126	Rehabilitation Services-Vocational Rehabilitation Grants To States	Pass-through	California Department Of Rehabilitation Total		646,408	
84.126	Rehabilitation Services-Vocational Rehabilitation Grants To States Total				646,408	
84.165	Magnet Schools Assistance	Pass-through	American Education Solutions, Inc.	AES2018-06	112,521	
84.165	Magnet Schools Assistance	Pass-through	American Education Solutions, Inc.	AES2017-01	189,122	
84.165	Magnet Schools Assistance	Pass-through	American Education Solutions, Inc. Total		301,644	
84.165	Magnet Schools Assistance Total				301,644	
84.184	School Safety National Activities (Formerly, Safe And Drug-Free Schools And Communities-National Programs)	Pass-through	Oakland Unified School District	P1509363	(12)	
84.184	School Safety National Activities (Formerly, Safe And Drug-Free Schools And Communities-National Programs)	Pass-through	Oakland Unified School District Total		(12)	
84.184	School Safety National Activities (Formerly, Safe And Drug-Free Schools And Communities-National Programs) Total				(12)	
84.200	Graduate Assistance In Areas Of National Need	Direct	Department Of Education (ED)	Various	2,916,721	
84.200	Graduate Assistance In Areas Of National Need	Direct	Department Of Education (ED) Total		2,916,721	
84.200	Graduate Assistance In Areas Of National Need Total				2,916,721	
84.215	Innovative Approaches To Literacy, Full-Service Community Schools; And Promise Neighborhoods	Pass-through	South Bay Community Services	89BE0	12,370	
84.215	Innovative Approaches To Literacy, Full-Service Community Schools; And Promise Neighborhoods	Pass-through	South Bay Community Services Total		12,370	
84.215	Innovative Approaches To Literacy, Full-Service Community Schools; And Promise Neighborhoods Total				12,370	

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
84.229	Language Resource Centers	Direct	Department Of Education (ED)	Various	119,302	
84.229	Language Resource Centers	Direct	Department Of Education (ED) Total		119,302	
84.229	Language Resource Centers Total				119,302	
84.283	Comprehensive Centers	Pass-through	Wested	S12-173.7	81,748	
84.283	Comprehensive Centers	Pass-through	Wested Total		81,748	
84.283	Comprehensive Centers Total				81,748	
84.287	Twenty-First Century Community Learning Centers	Pass-through	Los Angeles Unified School District	20744	1,019,948	
84.287	Twenty-First Century Community Learning Centers	Pass-through	Los Angeles Unified School District	4400007308	398,032	
84.287	Twenty-First Century Community Learning Centers	Pass-through	Los Angeles Unified School District	77049	1,556	
84.287	Twenty-First Century Community Learning Centers	Pass-through	Los Angeles Unified School District Total		1,419,536	
84.287	Twenty-First Century Community Learning Centers Total				1,419,536	
84.295	Ready-To-Learn Television	Pass-through	Education Development Center, Inc.	Various	126,047	
84.295	Ready-To-Learn Television	Pass-through	Education Development Center, Inc. Total		126,047	
84.295	Ready-To-Learn Television	Pass-through	Public Broadcasting Service	20154615.5	314,820	
84.295	Ready-To-Learn Television	Pass-through	Public Broadcasting Service Total		314,820	
84.295	Ready-To-Learn Television Total				440,867	
84.305	Education Research, Development And Dissemination	Direct	Department Of Education (ED)	Various	508,343	
84.305	Education Research, Development And Dissemination	Direct	Department Of Education (ED) Total		508,343	
84.305	Education Research, Development And Dissemination Total				508,343	
84.334	Gaining Early Awareness And Readiness For Undergraduate Programs	Direct	Department Of Education (ED)	Various	8,001,520	42,271
84.334	Gaining Early Awareness And Readiness For Undergraduate Programs	Direct	Department Of Education (ED) Total		8,001,520	42,271
84.334	Gaining Early Awareness And Readiness For Undergraduate Programs Total				8,001,520	42,271
84.335	Child Care Access Means Parents In School	Direct	Department Of Education (ED)	Various	1,020,158	
84.335	Child Care Access Means Parents In School	Direct	Department Of Education (ED) Total		1,020,158	
84.335	Child Care Access Means Parents In School Total				1,020,158	
84.336	Teacher Quality Partnership Grants	Direct	Department Of Education (ED)	Various	1,066,760	154,860
84.336	Teacher Quality Partnership Grants	Direct	Department Of Education (ED) Total		1,066,760	154,860
84.336	Teacher Quality Partnership Grants	Pass-through	California State University, Dominguez Hills Foundation	F18-160	89,330	
84.336	Teacher Quality Partnership Grants	Pass-through	California State University, Dominguez Hills Foundation Total		89,330	
84.336	Teacher Quality Partnership Grants Total				1,156,090	154,860
84.365	English Language Acquisition State Grants	Direct	Department Of Education (ED)	Various	1,259,812	
84.365	English Language Acquisition State Grants	Direct	Department Of Education (ED) Total		1,259,812	
84.365	English Language Acquisition State Grants	Pass-through	Arizona State University/Tempe	T365Z170170	42,114	
84.365	English Language Acquisition State Grants	Pass-through	Arizona State University/Tempe Total		42,114	
84.365	English Language Acquisition State Grants	Pass-through	Santa Barbara School Districts	20704	879	
84.365	English Language Acquisition State Grants	Pass-through	Santa Barbara School Districts Total		879	
84.365	English Language Acquisition State Grants Total				1,302,605	
84.367	Supporting Effective Instruction State Grants	Direct	Department Of Education (ED)	Various	100,420	
84.367	Supporting Effective Instruction State Grants	Direct	Department Of Education (ED) Total		100,420	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education	18380	5,325	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education	18623	932,397	890,676
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education	A20-1921	33,916	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education	CN190137	20,601	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Total		1,052,239	890,676
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	78C47	39,081	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	A20-1225	45,000	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA18-CMP-UCD	9	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA19-CMP-UCL	20,635	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction	ESSA19-CRLP-UCL	42,326	
84.367	Supporting Effective Instruction State Grants	Pass-through	California Department Of Education Curriculum And Instruction Total		147,050	
84.367	Supporting Effective Instruction State Grants	Pass-through	National Writing Project	70744	465	
84.367	Supporting Effective Instruction State Grants	Pass-through	National Writing Project Total		465	
84.367	Supporting Effective Instruction State Grants	Pass-through	University Of California Office Of The President	010265	977	
84.367	Supporting Effective Instruction State Grants	Pass-through	University Of California Office Of The President	011288	38,545	
84.367	Supporting Effective Instruction State Grants	Pass-through	University Of California Office Of The President Total		39,521	
84.367	Supporting Effective Instruction State Grants Total				1,339,695	890,676
84.382	Strengthening Minority-Serving Institutions	Direct	Department Of Education (ED)	Various	328,444	12,992
84.382	Strengthening Minority-Serving Institutions	Direct	Department Of Education (ED) Total		328,444	12,992
84.382	Strengthening Minority-Serving Institutions Total				328,444	12,992
84.422	American History And Civics Education	Pass-through	California State University, Fresno	SC330402-17-01	20,881	
84.422	American History And Civics Education	Pass-through	California State University, Fresno Total		20,881	
84.422	American History And Civics Education Total				20,881	
84.425E	COVID-19 - Education Stabilization Fund	Direct	Department Of Education (ED)	Various	116,359,324	
84.425E	COVID-19 - Education Stabilization Fund	Direct	Department Of Education (ED) Total		116,359,324	
84.425E	COVID-19 - Education Stabilization Fund Total				116,359,324	
84.425F	COVID-19 - Education Stabilization Fund	Direct	Department Of Education (ED)	Various	100,194,989	
84.425F	COVID-19 - Education Stabilization Fund	Direct	Department Of Education (ED) Total		100,194,989	
84.425F	COVID-19 - Education Stabilization Fund Total				100,194,989	
84.425L	COVID-19 - Education Stabilization Fund	Direct	Department Of Education (ED)	Various	837,749	
84.425L	COVID-19 - Education Stabilization Fund	Direct	Department Of Education (ED) Total		837,749	
84.425L	COVID-19 - Education Stabilization Fund Total				837,749	
89.003	National Historical Publications And Records Grants	Direct	National Archives And Records Administration	Various	109,317	
89.003	National Historical Publications And Records Grants	Direct	National Archives And Records Administration Total		109,317	
89.003	National Historical Publications And Records Grants Total				109,317	
93.067	Global Aids	Direct	Centers for Disease Control and Prevention (CDC)	Various	6,153,448	1,136,508
93.067	Global Aids	Direct	Centers for Disease Control and Prevention (CDC) Total		6,153,448	1,136,508
93.067	Global Aids	Pass-through	Aurum Institute	D3189	(6,858)	
93.067	Global Aids	Pass-through	Aurum Institute Total		(6,858)	
93.067	Global Aids	Pass-through	Columbia University	A126704	6,349	
93.067	Global Aids	Pass-through	Columbia University Total		6,349	
93.067	Global Aids	Pass-through	University Of Washington	UWSC10826	65,120	
93.067	Global Aids	Pass-through	University Of Washington Total		65,120	
93.067	Global Aids Total				6,218,058	1,136,508

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CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.074	Hospital Preparedness Program (HPP) And Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements	Pass-through	California Department Of Public Health	18-10040	1,929,986	
93.074	Hospital Preparedness Program (HPP) And Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements	Pass-through	California Department Of Public Health Total		1,929,986	
93.074	Hospital Preparedness Program (HPP) And Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements	Pass-through	County Of Los Angeles	H-707439-1	95,238	
93.074	Hospital Preparedness Program (HPP) And Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements	Pass-through	County Of Los Angeles Total		95,238	
93.074	Hospital Preparedness Program (HPP) And Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements Total				2,025,224	
93.092	Affordable Care Act (ACA) Personal Responsibility Education Program	Direct	Office of Human Development Services (OHDS)	Various	791,087	424,013
93.092	Affordable Care Act (ACA) Personal Responsibility Education Program	Direct	Office of Human Development Services (OHDS) Total		791,087	424,013
93.092	Affordable Care Act (ACA) Personal Responsibility Education Program Total				791,087	424,013
93.098	Tribal Public Health Capacity Building And Quality Improvement	Pass-through	National Council For Behavioral Health	B3372	(3,656)	
93.098	Tribal Public Health Capacity Building And Quality Improvement	Pass-through	National Council For Behavioral Health Total		(3,656)	
93.098	Tribal Public Health Capacity Building And Quality Improvement Total				(3,656)	
93.103	Food And Drug Administration Research	Direct	U.S. Food and Drug Administration (FDA)	Various	55,384	
93.103	Food And Drug Administration Research	Direct	U.S. Food and Drug Administration (FDA) Total		55,384	
93.103	Food And Drug Administration Research	Pass-through	California Department Of Food And Agriculture	18-0223	9,294	
93.103	Food And Drug Administration Research	Pass-through	California Department Of Food And Agriculture	18-0224	18,920	
93.103	Food And Drug Administration Research	Pass-through	California Department Of Food And Agriculture	86C84	1,866	
93.103	Food And Drug Administration Research	Pass-through	California Department Of Food And Agriculture Total		30,080	
93.103	Food And Drug Administration Research	Pass-through	Children's Hospital Los Angeles	RGF011721-B	35,492	
93.103	Food And Drug Administration Research	Pass-through	Children's Hospital Los Angeles Total		35,492	
93.103	Food And Drug Administration Research Total				120,956	
93.107	Area Health Education Centers	Direct	Health Resources and Services Administration (HRSA)	Various	1,543,528	1,215,756
93.107	Area Health Education Centers	Direct	Health Resources and Services Administration (HRSA) Total		1,543,528	1,215,756
93.107	Area Health Education Centers Total				1,543,528	1,215,756
93.110	Maternal And Child Health Federal Consolidated Programs	Direct	Health Resources and Services Administration (HRSA)	Various	3,304,642	111,667
93.110	Maternal And Child Health Federal Consolidated Programs	Direct	Health Resources and Services Administration (HRSA) Total		3,304,642	111,667
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Association Of University Centers On Disabilities	A20-3803	3,240	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Association Of University Centers On Disabilities Total		3,240	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders	82B68	(30)	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders	CIBDIX2012HRSA-UCSF	126,769	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders	H30MC24045	48,113	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders Total		174,851	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Children's Hospital Of Philadelphia	UA3MC202180901	13,745	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	Children's Hospital Of Philadelphia Total		13,745	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	University Of Colorado System	FY18.609.002-1	124,352	
93.110	Maternal And Child Health Federal Consolidated Programs	Pass-through	University Of Colorado System Total		124,352	
93.110	Maternal And Child Health Federal Consolidated Programs Total				3,620,830	111,667
93.117	Preventive Medicine Residency	Direct	Health Resources and Services Administration (HRSA)	Various	696,217	
93.117	Preventive Medicine Residency	Direct	Health Resources and Services Administration (HRSA) Total		696,217	
93.117	Preventive Medicine Residency Total				696,217	
93.127	Emergency Medical Services For Children	Direct	Health Resources and Services Administration (HRSA)	Various	809,530	240,740
93.127	Emergency Medical Services For Children	Direct	Health Resources and Services Administration (HRSA) Total		809,530	240,740
93.127	Emergency Medical Services For Children Total				809,530	240,740
93.135	Centers For Research And Demonstration For Health Promotion And Disease Prevention	Direct	Centers for Disease Control and Prevention (CDC)	Various	711,410	11,922
93.135	Centers For Research And Demonstration For Health Promotion And Disease Prevention	Direct	Centers for Disease Control and Prevention (CDC) Total		711,410	11,922
93.135	Centers For Research And Demonstration For Health Promotion And Disease Prevention Total				711,410	11,922
93.145	HIV-Related Training And Technical Assistance	Direct	Health Resources and Services Administration (HRSA)	Various	5,989,957	892,608
93.145	HIV-Related Training And Technical Assistance	Direct	Health Resources and Services Administration (HRSA) Total		5,989,957	892,608
93.145	HIV-Related Training And Technical Assistance	Pass-through	Cicatelli Associates Inc	80497	50,540	
93.145	HIV-Related Training And Technical Assistance	Pass-through	Cicatelli Associates Inc Total		50,540	
93.145	HIV-Related Training And Technical Assistance	Pass-through	Rutgers, The State University Of New Jersey	0295	(17,069)	
93.145	HIV-Related Training And Technical Assistance	Pass-through	Rutgers, The State University Of New Jersey Total		(17,069)	
93.145	HIV-Related Training And Technical Assistance Total				6,023,428	892,608
93.153	Coordinated Services And Access To Research For Women, Infants, Children, And Youth (Ryan White Program Part D Women, Infants, Children And Youth WICY Program)	Direct	Health Resources and Services Administration (HRSA)	Various	1,493,368	496,592
93.153	Coordinated Services And Access To Research For Women, Infants, Children, And Youth (Ryan White Program Part D Women, Infants, Children And Youth WICY Program)	Direct	Health Resources and Services Administration (HRSA) Total		1,493,368	496,592
93.153	Coordinated Services And Access To Research For Women, Infants, Children, And Youth (Ryan White Program Part D Women, Infants, Children And Youth WICY Program) Total				1,493,368	496,592
93.153	COVID-19 - Coordinated Services And Access To Research For Women, Infants, Children, And Youth (Ryan White Program Part D Women, Infants, Children And Youth WICY Program)	Direct	Health Resources and Services Administration (HRSA)	(blank)	30,071	
93.153	COVID-19 - Coordinated Services And Access To Research For Women, Infants, Children, And Youth (Ryan White Program Part D Women, Infants, Children And Youth WICY Program)	Direct	Health Resources and Services Administration (HRSA) Total		30,071	
93.153	COVID-19 - Coordinated Services And Access To Research For Women, Infants, Children, And Youth (Ryan White Program Part D Women, Infants, Children And Youth WICY Program) Total				30,071	
93.157	Centers Of Excellence	Direct	Health Resources and Services Administration (HRSA)	Various	678,357	43,816
93.157	Centers Of Excellence	Direct	Health Resources and Services Administration (HRSA) Total		678,357	43,816
93.157	Centers Of Excellence	Pass-through	City And County Of San Francisco	DPHC17000179	659,918	197,877
93.157	Centers Of Excellence	Pass-through	City And County Of San Francisco Total		659,918	197,877
93.157	Centers Of Excellence Total				1,338,275	241,692
93.161	Health Program For Toxic Substances And Disease Registry	Pass-through	American Academy Of Pediatrics	D5822	1,666	
93.161	Health Program For Toxic Substances And Disease Registry	Pass-through	American Academy Of Pediatrics Total		1,666	
93.161	Health Program For Toxic Substances And Disease Registry	Pass-through	American College Of Medical Toxicology Inc.	41U61TS000238-R9-01	71,002	
93.161	Health Program For Toxic Substances And Disease Registry	Pass-through	American College Of Medical Toxicology Inc. Total		71,002	

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93.161	Health Program For Toxic Substances And Disease Registry Total				72,668	
93.184	Disabilities Prevention	Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders	CIBDIX2011CDC-UCSF-1	30,659	
93.184	Disabilities Prevention	Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders Total		30,659	
93.184	Disabilities Prevention	Pass-through	Special Olympics	Y4 19-800-17	25,915	
93.184	Disabilities Prevention	Pass-through	Special Olympics Total		25,915	
93.184	Disabilities Prevention Total				56,574	
93.186	National Research Service Award In Primary Care Medicine	Direct	Health Resources and Services Administration (HRSA)	Various	1,299,623	
93.186	National Research Service Award In Primary Care Medicine	Direct	Health Resources and Services Administration (HRSA) Total		1,299,623	
93.186	National Research Service Award In Primary Care Medicine Total				1,299,623	
93.217	Family Planning-Services	Pass-through	Essential Access Health	1324-5320-71209-19-20	179,465	
93.217	Family Planning-Services	Pass-through	Essential Access Health Total		179,465	
93.217	Family Planning-Services Total				179,465	
93.225	National Research Service Awards Health Services Research Training	Direct	Agency for Healthcare Research and Quality (AHRQ)	Various	27,107	
93.225	National Research Service Awards Health Services Research Training	Direct	Agency for Healthcare Research and Quality (AHRQ) Total		27,107	
93.225	National Research Service Awards Health Services Research Training Total				27,107	
93.226	Research On Healthcare Costs, Quality And Outcomes	Direct	Agency for Healthcare Research and Quality (AHRQ)	Various	1,041,773	37,439
93.226	Research On Healthcare Costs, Quality And Outcomes	Direct	Agency for Healthcare Research and Quality (AHRQ) Total		1,041,773	37,439
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Emory University	A254366	32,294	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Emory University Total		32,294	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	International Business Machines Corporation	21C36	883	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	International Business Machines Corporation Total		883	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Kaiser Permanente Division Of Research	RNG210310-BUDG01-UCSF-00	2,380	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Kaiser Permanente Division Of Research Total		2,380	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Seattle Children's Hospital	11990SUB	28,154	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Seattle Children's Hospital Total		28,154	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Yeshiva University	311587	156,865	
93.226	Research On Healthcare Costs, Quality And Outcomes	Pass-through	Yeshiva University Total		156,865	
93.226	Research On Healthcare Costs, Quality And Outcomes Total				1,262,350	37,439
93.242	Mental Health Research Grants	Pass-through	Icahn School Of Medicine At Mount Sinai	73B60	2	
93.242	Mental Health Research Grants	Pass-through	Icahn School Of Medicine At Mount Sinai Total		2	
93.242	Mental Health Research Grants Total				2	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Direct	Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA)	Various	14,101,381	5,551,421
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Direct	Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA) Total		14,101,381	5,551,421
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	American Academy Of Addiction Psychiatry Inc	PCSSMAT-16-9	1,308	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	American Academy Of Addiction Psychiatry Inc Total		1,308	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	American Psychiatric Association	20193051	6,052	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	American Psychiatric Association Total		6,052	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Azusa Pacific University	H79T1082546-01-01	556	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Azusa Pacific University Total		556	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Child Health And Development Institute Of Connecticut Inc	94-6036493	2,860	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Child Health And Development Institute Of Connecticut Inc Total		2,860	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Public Health Institute	01488	156,145	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Public Health Institute Total		156,145	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Rand Corporation	79032	(11,123)	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Rand Corporation Total		(11,123)	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	St. Joseph Center	20183783	40,619	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	St. Joseph Center Total		40,619	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Sunrise Community Counseling Center	20174448	16,777	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	Sunrise Community Counseling Center Total		16,777	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	University Of Wisconsin-Madison	0000000236	9,424	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance	Pass-through	University Of Wisconsin-Madison Total		9,424	
93.243	Substance Abuse And Mental Health Services Projects Of Regional And National Significance Total				14,323,999	5,551,421
93.247	Advanced Nursing Education Workforce Grant Program	Direct	Health Resources and Services Administration (HRSA)	Various	392,284	
93.247	Advanced Nursing Education Workforce Grant Program	Direct	Health Resources and Services Administration (HRSA) Total		392,284	
93.247	Advanced Nursing Education Workforce Grant Program Total				392,284	
93.253	Poison Center Support And Enhancement Grant	Direct	Health Resources and Services Administration (HRSA)	Various	2,336,474	
93.253	Poison Center Support And Enhancement Grant	Direct	Health Resources and Services Administration (HRSA) Total		2,336,474	
93.253	Poison Center Support And Enhancement Grant Total				2,336,474	
93.262	Occupational Safety And Health Program	Direct	Centers for Disease Control and Prevention (CDC)	Various	2,573,036	7,759
93.262	Occupational Safety And Health Program	Direct	Centers for Disease Control and Prevention (CDC) Total		2,573,036	7,759
93.262	Occupational Safety And Health Program Total				2,573,036	7,759
93.266	Health Systems Strengthening And HIV/AIDS Prevention, Care And Treatment Under The President'S Emergency Plan For Aids Relief	Pass-through	University Of Washington	USWC9452	115,538	
93.266	Health Systems Strengthening And HIV/AIDS Prevention, Care And Treatment Under The President'S Emergency Plan For Aids Relief	Pass-through	University Of Washington	UWSC11522	38,330	
93.266	Health Systems Strengthening And HIV/AIDS Prevention, Care And Treatment Under The President'S Emergency Plan For Aids Relief	Pass-through	University Of Washington Total		153,868	
93.266	Health Systems Strengthening And HIV/AIDS Prevention, Care And Treatment Under The President'S Emergency Plan For Aids Relief Total				153,868	
93.270	Sexually Transmitted Diseases (STD) Prevention And Control Grants	Pass-through	California Department Of Public Health	18-10444	258,740	
93.270	Sexually Transmitted Diseases (STD) Prevention And Control Grants	Pass-through	California Department Of Public Health Total		258,740	

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Other Federal Programs

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.270	Sexually Transmitted Diseases (STD) Prevention And Control Grants Total				258,740	
93.276	Drug-Free Communities Support Program Grants	Pass-through	American Academy Of Child & Adolescent Psychiatry	20165007.3	139,904	
93.276	Drug-Free Communities Support Program Grants	Pass-through	American Academy Of Child & Adolescent Psychiatry Total		139,904	
93.276	Drug-Free Communities Support Program Grants Total				139,904	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance	Direct	Centers for Disease Control and Prevention (CDC)	Various	5,140	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance	Direct	Centers for Disease Control and Prevention (CDC) Total		5,140	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance	Pass-through	California Department Of Public Health	20C89	1,393,560	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance	Pass-through	California Department Of Public Health	35B00	345	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance	Pass-through	California Department Of Public Health Total		1,393,905	
93.283	Centers For Disease Control And Prevention Investigations And Technical Assistance Total				1,399,045	
93.323	Epidemiology And Laboratory Capacity For Infectious Diseases (ELC)	Pass-through	Heluna Health	28B03	(1)	
93.323	Epidemiology And Laboratory Capacity For Infectious Diseases (ELC)	Pass-through	Heluna Health	SNU50CK000410	153,471	
93.323	Epidemiology And Laboratory Capacity For Infectious Diseases (ELC)	Pass-through	Heluna Health	NU50CK000539	66,741	
93.323	Epidemiology And Laboratory Capacity For Infectious Diseases (ELC)	Pass-through	Heluna Health Total		220,211	
93.323	Epidemiology And Laboratory Capacity For Infectious Diseases (ELC) Total				220,211	
93.339	Public Health Conference Support	Direct	Centers for Disease Control and Prevention (CDC)	Various	34,988	
93.339	Public Health Conference Support	Direct	Centers for Disease Control and Prevention (CDC) Total		34,988	
93.339	Public Health Conference Support Total				34,988	
93.354	Sexually Transmitted Diseases (STD) Prevention And Control Grants	Pass-through	California Department Of Public Health	18-10444	24,991	
93.354	Sexually Transmitted Diseases (STD) Prevention And Control Grants	Pass-through	California Department Of Public Health Total		24,991	
93.354	Sexually Transmitted Diseases (STD) Prevention And Control Grants Total				24,991	
93.359	Nurse Education, Practice Quality And Retention Grants	Direct	Health Resources and Services Administration (HRSA)	Various	(2)	
93.359	Nurse Education, Practice Quality And Retention Grants	Direct	Health Resources and Services Administration (HRSA) Total		(2)	
93.359	Nurse Education, Practice Quality And Retention Grants	Pass-through	Family Health Centers Of San Diego, Inc	SUB NONE(HP29857)	37,447	
93.359	Nurse Education, Practice Quality And Retention Grants	Pass-through	Family Health Centers Of San Diego, Inc Total		37,447	
93.359	Nurse Education, Practice Quality And Retention Grants Total				37,445	
93.365	Sickle Cell Treatment Demonstration Program	Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders	008	53,351	
93.365	Sickle Cell Treatment Demonstration Program	Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders Total		53,351	
93.365	Sickle Cell Treatment Demonstration Program Total				53,351	
93.387	National And State Tobacco Control Program	Direct	Centers for Disease Control and Prevention (CDC)	Various	125,536	
93.387	National And State Tobacco Control Program	Direct	Centers for Disease Control and Prevention (CDC) Total		125,536	
93.387	National And State Tobacco Control Program Total				125,536	
93.391	Activities To Support State, Tribal, Local And Territorial (STLT) Health Department Response To Public Health Or Healthcare Crises	Pass-through	Association Of State And Territorial Health Officials	86-29221 (FE-2921-01-00)	75,741	
93.391	Activities To Support State, Tribal, Local And Territorial (STLT) Health Department Response To Public Health Or Healthcare Crises	Pass-through	Association Of State And Territorial Health Officials Total		75,741	
93.391	Activities To Support State, Tribal, Local And Territorial (STLT) Health Department Response To Public Health Or Healthcare Crises Total				75,741	
93.426	Improving The Health Of Americans Through Prevention And Management Of Diabetes And Heart Disease And Stroke	Pass-through	California Department Of Public Health	79C14	190,274	
93.426	Improving The Health Of Americans Through Prevention And Management Of Diabetes And Heart Disease And Stroke	Pass-through	California Department Of Public Health Total		190,274	
93.426	Improving The Health Of Americans Through Prevention And Management Of Diabetes And Heart Disease And Stroke Total				190,274	
93.439	State Physical Activity And Nutrition (SPAN)	Pass-through	California Department Of Public Health	84C13	47,563	
93.439	State Physical Activity And Nutrition (SPAN)	Pass-through	California Department Of Public Health Total		47,563	
93.439	State Physical Activity And Nutrition (SPAN) Total				47,563	
93.448	Food Safety And Security Monitoring Project	Direct	U.S. Food and Drug Administration (FDA)	Various	296,646	
93.448	Food Safety And Security Monitoring Project	Direct	U.S. Food and Drug Administration (FDA) Total		296,646	
93.448	Food Safety And Security Monitoring Project Total				296,646	
93.456	CDC Undergraduate Public Health Scholars Program (CUPS)	Direct	Centers for Disease Control and Prevention (CDC)	Various	439,494	
93.456	CDC Undergraduate Public Health Scholars Program (CUPS)	Direct	Centers for Disease Control and Prevention (CDC) Total		439,494	
93.456	CDC Undergraduate Public Health Scholars Program (CUPS)	Pass-through	Kennedy Krieger Institute	NU50MN000004	40,878	
93.456	CDC Undergraduate Public Health Scholars Program (CUPS)	Pass-through	Kennedy Krieger Institute Total		40,878	
93.456	CDC Undergraduate Public Health Scholars Program (CUPS) Total				480,372	
93.505	Affordable Care Act: Maternal, Infant, And Early Childhood Home Visiting Program	Pass-through	Texas Health And Human Services Commission	20602	(1,091)	
93.505	Affordable Care Act: Maternal, Infant, And Early Childhood Home Visiting Program	Pass-through	Texas Health And Human Services Commission Total		(1,091)	
93.505	Affordable Care Act: Maternal, Infant, And Early Childhood Home Visiting Program Total				(1,091)	
93.521	The Affordable Care Act: Building Epidemiology, Laboratory, And Health Information Systems Capacity In The Epidemiology And Laboratory Capacity For Infectious Disease (ELC) And Emerging Infections Program (EIP) Cooperative Agreements	Pass-through	California Department Of Public Health	16-10002	2,489,606	
93.521	The Affordable Care Act: Building Epidemiology, Laboratory, And Health Information Systems Capacity In The Epidemiology And Laboratory Capacity For Infectious Disease (ELC) And Emerging Infections Program (EIP) Cooperative Agreements	Pass-through	California Department Of Public Health Total		2,489,606	
93.521	The Affordable Care Act: Building Epidemiology, Laboratory, And Health Information Systems Capacity In The Epidemiology And Laboratory Capacity For Infectious Disease (ELC) And Emerging Infections Program (EIP) Cooperative Agreements Total				2,489,606	
93.556	Promoting Safe And Stable Families	Pass-through	Los Angeles County, Department Of Children And Family Services	20-01-05	41,368	
93.556	Promoting Safe And Stable Families	Pass-through	Los Angeles County, Department Of Children And Family Services	2015-01-05.5	108,259	
93.556	Promoting Safe And Stable Families	Pass-through	Los Angeles County, Department Of Children And Family Services Total		149,626	
93.556	Promoting Safe And Stable Families Total				149,626	
93.563	Child Support Enforcement	Pass-through	Sacramento, County Of	86B18	13,005	
93.563	Child Support Enforcement	Pass-through	Sacramento, County Of	C000114027	4,250	

University of California
Schedule of Expenditures of Federal Awards

For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)

Other Federal Programs

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.563	Child Support Enforcement	Pass-through	Sacramento, County Of Total		17,255	
93.563	Child Support Enforcement Total				17,255	
93.566	Refugee And Entrant Assistance-State Administered Programs	Pass-through	California Department Of Public Health	17-10015	54,231	
93.566	Refugee And Entrant Assistance-State Administered Programs	Pass-through	California Department Of Public Health Total		54,231	
93.566	Refugee And Entrant Assistance-State Administered Programs Total				54,231	
93.604	Assistance For Torture Victims	Direct	Office of Human Development Services (OHDS)	Various	372,430	
93.604	Assistance For Torture Victims	Direct	Office of Human Development Services (OHDS) Total		372,430	
93.604	Assistance For Torture Victims Total				372,430	
93.632	University Centers For Excellence In Developmental Disabilities Education, Research, And Service	Direct	Office of the Secretary (OS)	Various	610,530	1,635
93.632	University Centers For Excellence In Developmental Disabilities Education, Research, And Service	Direct	Office of the Secretary (OS) Total		610,530	1,635
93.632	University Centers For Excellence In Developmental Disabilities Education, Research, And Service Total				610,530	1,635
93.658	Foster Care-Title IV-E	Pass-through	Administration For Children And Families	00009900	1,164,298	
93.658	Foster Care-Title IV-E	Pass-through	Administration For Children And Families Total		1,164,298	
93.658	Foster Care-Title IV-E	Pass-through	Alpine, County Of	C000113929	4,250	
93.658	Foster Care-Title IV-E	Pass-through	Alpine, County Of	C000113956	11,475	
93.658	Foster Care-Title IV-E	Pass-through	Alpine, County Of Total		15,725	
93.658	Foster Care-Title IV-E	Pass-through	Amador, County Of	C000113818	3,464	
93.658	Foster Care-Title IV-E	Pass-through	Amador, County Of Total		3,464	
93.658	Foster Care-Title IV-E	Pass-through	Calaveras, County Of	C000114040	7,932	
93.658	Foster Care-Title IV-E	Pass-through	Calaveras, County Of Total		7,932	
93.658	Foster Care-Title IV-E	Pass-through	California Department Of Social Services	18-3029	795,626	
93.658	Foster Care-Title IV-E	Pass-through	California Department Of Social Services	18-3026	2,729,885	103,490
93.658	Foster Care-Title IV-E	Pass-through	California Department Of Social Services	17-3027	634,969	
93.658	Foster Care-Title IV-E	Pass-through	California Department Of Social Services	18-3016	3,087,934	
93.658	Foster Care-Title IV-E	Pass-through	California Department Of Social Services	18-3028	30,752,811	27,649,596
93.658	Foster Care-Title IV-E	Pass-through	California Department Of Social Services	84747	(1,999)	(1,999)
93.658	Foster Care-Title IV-E	Pass-through	California Department Of Social Services Total		37,999,226	27,751,087
93.658	Foster Care-Title IV-E	Pass-through	County Of Marin	C000113919	4,250	
93.658	Foster Care-Title IV-E	Pass-through	County Of Marin Total		4,250	
93.658	Foster Care-Title IV-E	Pass-through	County Of Solano	C000113918	74,400	
93.658	Foster Care-Title IV-E	Pass-through	County Of Solano Total		74,400	
93.658	Foster Care-Title IV-E	Pass-through	Fresno County	C000113590	4,148	
93.658	Foster Care-Title IV-E	Pass-through	Fresno County	C000113942	157,250	
93.658	Foster Care-Title IV-E	Pass-through	Fresno County Total		161,398	
93.658	Foster Care-Title IV-E	Pass-through	Glenn, County Of	C000113767	738	
93.658	Foster Care-Title IV-E	Pass-through	Glenn, County Of	C000113927	258,863	
93.658	Foster Care-Title IV-E	Pass-through	Glenn, County Of Total		259,601	
93.658	Foster Care-Title IV-E	Pass-through	Inyo, County Of	33B93	(603)	
93.658	Foster Care-Title IV-E	Pass-through	Inyo, County Of	C000113814	3,825	
93.658	Foster Care-Title IV-E	Pass-through	Inyo, County Of	C000114021	75,650	
93.658	Foster Care-Title IV-E	Pass-through	Inyo, County Of Total		78,872	
93.658	Foster Care-Title IV-E	Pass-through	Lake, County Of	32B95	(1,101)	
93.658	Foster Care-Title IV-E	Pass-through	Lake, County Of	C000114048	26,960	
93.658	Foster Care-Title IV-E	Pass-through	Lake, County Of Total		25,859	
93.658	Foster Care-Title IV-E	Pass-through	Los Angeles County, Department Of Children And Family Services	16-0015.1	10,250,684	5,868,805
93.658	Foster Care-Title IV-E	Pass-through	Los Angeles County, Department Of Children And Family Services	16-09-01	196,287	
93.658	Foster Care-Title IV-E	Pass-through	Los Angeles County, Department Of Children And Family Services	20765	647	
93.658	Foster Care-Title IV-E	Pass-through	Los Angeles County, Department Of Children And Family Services	20828	(463)	
93.658	Foster Care-Title IV-E	Pass-through	Los Angeles County, Department Of Children And Family Services	77050	579,242	531,752
93.658	Foster Care-Title IV-E	Pass-through	Los Angeles County, Department Of Children And Family Services Total		11,026,396	6,400,557
93.658	Foster Care-Title IV-E	Pass-through	Madera, County Of	81C80	17,000	
93.658	Foster Care-Title IV-E	Pass-through	Madera, County Of Total		17,000	
93.658	Foster Care-Title IV-E	Pass-through	Mendocino, County Of	C000113962	38,250	
93.658	Foster Care-Title IV-E	Pass-through	Mendocino, County Of	C000114029	10,625	
93.658	Foster Care-Title IV-E	Pass-through	Mendocino, County Of Total		48,875	
93.658	Foster Care-Title IV-E	Pass-through	Merced, County Of	30B80	5,161	
93.658	Foster Care-Title IV-E	Pass-through	Merced, County Of	C000113921	42,500	
93.658	Foster Care-Title IV-E	Pass-through	Merced, County Of	C000113922	62,050	
93.658	Foster Care-Title IV-E	Pass-through	Merced, County Of Total		109,712	
93.658	Foster Care-Title IV-E	Pass-through	Modoc, County Of	C000113789	17,431	
93.658	Foster Care-Title IV-E	Pass-through	Modoc, County Of Total		17,431	
93.658	Foster Care-Title IV-E	Pass-through	Mono, County Of	C000113911	17,000	
93.658	Foster Care-Title IV-E	Pass-through	Mono, County Of Total		17,000	
93.658	Foster Care-Title IV-E	Pass-through	Nevada, County Of	C000113789	2,766	
93.658	Foster Care-Title IV-E	Pass-through	Nevada, County Of	C000114047	5,999	
93.658	Foster Care-Title IV-E	Pass-through	Nevada, County Of Total		8,765	
93.658	Foster Care-Title IV-E	Pass-through	Placer, County Of	33B94	(428)	
93.658	Foster Care-Title IV-E	Pass-through	Placer, County Of	C000113812	19,125	
93.658	Foster Care-Title IV-E	Pass-through	Placer, County Of	C000114022	49,300	
93.658	Foster Care-Title IV-E	Pass-through	Placer, County Of Total		67,998	
93.658	Foster Care-Title IV-E	Pass-through	Plumas, County Of	C000114044	16,798	
93.658	Foster Care-Title IV-E	Pass-through	Plumas, County Of Total		16,798	
93.658	Foster Care-Title IV-E	Pass-through	Sacramento, County Of	7805000-19-314	4,693	
93.658	Foster Care-Title IV-E	Pass-through	Sacramento, County Of	7805000-19-585	8,965	
93.658	Foster Care-Title IV-E	Pass-through	Sacramento, County Of	780500020314	96,331	
93.658	Foster Care-Title IV-E	Pass-through	Sacramento, County Of Total		109,990	
93.658	Foster Care-Title IV-E	Pass-through	San Benito, County Of	C000113841	3,825	
93.658	Foster Care-Title IV-E	Pass-through	San Benito, County Of Total		3,825	
93.658	Foster Care-Title IV-E	Pass-through	San Joaquin County	31B08	(1,651)	
93.658	Foster Care-Title IV-E	Pass-through	San Joaquin County	80A24	(563)	
93.658	Foster Care-Title IV-E	Pass-through	San Joaquin County	C000113815	3,825	
93.658	Foster Care-Title IV-E	Pass-through	San Joaquin County	C000113934	29,875	
93.658	Foster Care-Title IV-E	Pass-through	San Joaquin County Total		31,487	
93.658	Foster Care-Title IV-E	Pass-through	Santa Cruz, County Of	35B86	1,312	
93.658	Foster Care-Title IV-E	Pass-through	Santa Cruz, County Of Total		1,312	
93.658	Foster Care-Title IV-E	Pass-through	Shasta, County Of	81A38	(3,416)	
93.658	Foster Care-Title IV-E	Pass-through	Shasta, County Of	GENT-2018-29	3,825	
93.658	Foster Care-Title IV-E	Pass-through	Shasta, County Of Total		409	
93.658	Foster Care-Title IV-E	Pass-through	Sutter County	C000114067	2,409	
93.658	Foster Care-Title IV-E	Pass-through	Sutter County Total		2,409	
93.658	Foster Care-Title IV-E	Pass-through	Tehama, County Of	C000113978	4,250	
93.658	Foster Care-Title IV-E	Pass-through	Tehama, County Of Total		4,250	
93.658	Foster Care-Title IV-E	Pass-through	Tuolumne, County Of	C000113816	1,312	
93.658	Foster Care-Title IV-E	Pass-through	Tuolumne, County Of Total		1,312	
93.658	Foster Care-Title IV-E	Pass-through	Ventura County	37B33	(4,598)	
93.658	Foster Care-Title IV-E	Pass-through	Ventura County	C000113793	450	
93.658	Foster Care-Title IV-E	Pass-through	Ventura County	C000114011	8,500	
93.658	Foster Care-Title IV-E	Pass-through	Ventura County Total		4,381	
93.658	Foster Care-Title IV-E Total				51,284,376	34,151,644
93.667	Social Services Block Grant	Pass-through	Lassen, County Of	C000113985	42,500	
93.667	Social Services Block Grant	Pass-through	Lassen, County Of Total		42,500	
93.667	Social Services Block Grant Total				42,500	
93.732	Mental And Behavioral Health Education And Training Grants	Direct	Health Resources and Services Administration (HRSA)	Various	634,146	372,089
93.732	Mental And Behavioral Health Education And Training Grants	Direct	Health Resources and Services Administration (HRSA) Total		634,146	372,089

University of California
Schedule of Expenditures of Federal Awards

*For the Fiscal Year Ended
June 30, 2020
(Expressed in whole dollars \$)*

Other Federal Programs

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.732	Mental And Behavioral Health Education And Training Grants Total				634,146	372,089
93.735	State Public Health Approaches For Ensuring Outline Capacity – Funded In Part By Prevention And Public Health Funds (PPHF)	Direct	Centers for Disease Control and Prevention (CDC)	Various	985,817	
93.735	State Public Health Approaches For Ensuring Outline Capacity – Funded In Part By Prevention And Public Health Funds (PPHF)	Direct	Centers for Disease Control and Prevention (CDC) Total		985,817	
93.735	State Public Health Approaches For Ensuring Outline Capacity – Funded In Part By Prevention And Public Health Funds (PPHF)	Pass-through	California Department Of Public Health	17-10613	794,376	
93.735	State Public Health Approaches For Ensuring Outline Capacity – Funded In Part By Prevention And Public Health Funds (PPHF)	Pass-through	California Department Of Public Health Total		794,376	
93.735	State Public Health Approaches For Ensuring Outline Capacity – Funded In Part By Prevention And Public Health Funds (PPHF) Total				1,780,193	
93.747	Elder Abuse Prevention Interventions Program	Pass-through	California Department Of Social Services	18-3248	174,705	88,892
93.747	Elder Abuse Prevention Interventions Program	Pass-through	California Department Of Social Services Total		174,705	88,892
93.747	Elder Abuse Prevention Interventions Program Total				174,705	88,892
93.758	Preventive Health And Health Services Block Grant Funded Solely With Prevention And Public Health Funds (PPHF)	Pass-through	California Department Of Public Health	16-10506	(1,437)	
93.758	Preventive Health And Health Services Block Grant Funded Solely With Prevention And Public Health Funds (PPHF)	Pass-through	California Department Of Public Health	16-10512	275,691	
93.758	Preventive Health And Health Services Block Grant Funded Solely With Prevention And Public Health Funds (PPHF)	Pass-through	California Department Of Public Health Total		274,254	
93.758	Preventive Health And Health Services Block Grant Funded Solely With Prevention And Public Health Funds (PPHF) Total				274,254	
93.788	Opioid STR	Pass-through	California Department Of Health Care Services	17-94259	256,224	
93.788	Opioid STR	Pass-through	California Department Of Health Care Services	17-94653	605,947	200,051
93.788	Opioid STR	Pass-through	California Department Of Health Care Services	17-94672	220,085	
93.788	Opioid STR	Pass-through	California Department Of Health Care Services	17-94722-A01	2,618,689	1,377,034
93.788	Opioid STR	Pass-through	California Department Of Health Care Services	18-95407	866,724	
93.788	Opioid STR	Pass-through	California Department Of Health Care Services Total		4,567,668	1,677,085
93.788	Opioid STR	Pass-through	Public Health Institute	01487	217,443	
93.788	Opioid STR	Pass-through	Public Health Institute	01757	51,378	
93.788	Opioid STR	Pass-through	Public Health Institute Total		268,821	
93.788	Opioid STR	Pass-through	Sierra Health Foundation	CA19MAT129	100,909	
93.788	Opioid STR	Pass-through	Sierra Health Foundation Total		100,909	
93.788	Opioid STR	Pass-through	University Of Missouri	0090499/00066589-2	513,165	
93.788	Opioid STR	Pass-through	University Of Missouri Total		513,165	
93.788	Opioid STR Total				5,450,564	1,677,085
93.817	Hospital Preparedness Program (HPP) Ebola Preparedness And Response Activities	Pass-through	County Of Los Angeles	H-705762	271,572	
93.817	Hospital Preparedness Program (HPP) Ebola Preparedness And Response Activities	Pass-through	County Of Los Angeles Total		271,572	
93.817	Hospital Preparedness Program (HPP) Ebola Preparedness And Response Activities Total				271,572	
93.822	Health Careers Opportunity Program	Direct	Health Resources and Services Administration (HRSA)	Various	564,022	142,569
93.822	Health Careers Opportunity Program	Direct	Health Resources and Services Administration (HRSA) Total		564,022	142,569
93.822	Health Careers Opportunity Program Total				564,022	142,569
93.833	Supporting & Maintaining A Surveillance System For Chronic Kidney Disease (CKD)	Direct	Centers for Disease Control and Prevention (CDC)	Various	412,094	27,611
93.833	Supporting & Maintaining A Surveillance System For Chronic Kidney Disease (CKD)	Direct	Centers for Disease Control and Prevention (CDC) Total		412,094	27,611
93.833	Supporting & Maintaining A Surveillance System For Chronic Kidney Disease (CKD) Total				412,094	27,611
93.834	Capacity Building Assistance (CBA) For High-Impact HIV Prevention	Pass-through	Cicatelli Associates Inc	CDC PS19-1904	134,492	
93.834	Capacity Building Assistance (CBA) For High-Impact HIV Prevention	Pass-through	Cicatelli Associates Inc Total		134,492	
93.834	Capacity Building Assistance (CBA) For High-Impact HIV Prevention	Pass-through	City And County Of San Francisco	A134360	40,125	
93.834	Capacity Building Assistance (CBA) For High-Impact HIV Prevention	Pass-through	City And County Of San Francisco Total		40,125	
93.834	Capacity Building Assistance (CBA) For High-Impact HIV Prevention	Pass-through	Heluna Health	0610.0101	84,943	
93.834	Capacity Building Assistance (CBA) For High-Impact HIV Prevention	Pass-through	San Francisco Department Of Public Health	A133495	125,689	
93.834	Capacity Building Assistance (CBA) For High-Impact HIV Prevention	Pass-through	San Francisco Department Of Public Health Total		125,689	
93.834	Capacity Building Assistance (CBA) For High-Impact HIV Prevention Total				385,249	
93.881	The Health Insurance Enforcement And Consumer Protections Grant Program	Pass-through	California Department Of Insurance	16035IA	(1,342)	
93.881	The Health Insurance Enforcement And Consumer Protections Grant Program	Pass-through	California Department Of Insurance Total		(1,342)	
93.881	The Health Insurance Enforcement And Consumer Protections Grant Program Total				(1,342)	
93.884	Grants For Primary Care Training And Enhancement	Direct	Health Resources and Services Administration (HRSA)	Various	1,756,671	35,376
93.884	Grants For Primary Care Training And Enhancement	Direct	Health Resources and Services Administration (HRSA) Total		1,756,671	35,376
93.884	Grants For Primary Care Training And Enhancement Total				1,756,671	35,376
93.889	National Bioterrorism Hospital Preparedness Program	Direct	Office of the Secretary (OS)	Various	802,252	175,029
93.889	National Bioterrorism Hospital Preparedness Program	Direct	Office of the Secretary (OS) Total		802,252	175,029
93.889	National Bioterrorism Hospital Preparedness Program	Pass-through	County Of Los Angeles	20604	7,199	
93.889	National Bioterrorism Hospital Preparedness Program	Pass-through	County Of Los Angeles	20652	2,296	
93.889	National Bioterrorism Hospital Preparedness Program	Pass-through	County Of Los Angeles Total		9,495	
93.889	National Bioterrorism Hospital Preparedness Program Total				811,747	175,029
93.898	Cancer Prevention And Control Programs For State, Territorial And Tribal Organizations	Pass-through	California Department Of Public Health	NU58DP006344	19,602	
93.898	Cancer Prevention And Control Programs For State, Territorial And Tribal Organizations	Pass-through	California Department Of Public Health Total		19,602	
93.898	Cancer Prevention And Control Programs For State, Territorial And Tribal Organizations Total				19,602	
93.914	HIV Emergency Relief Project Grants	Direct	Health Resources and Services Administration (HRSA)	Various	1,342	
93.914	HIV Emergency Relief Project Grants	Direct	Health Resources and Services Administration (HRSA) Total		1,342	
93.914	HIV Emergency Relief Project Grants	Pass-through	Aids United	879B6	174,705	
93.914	HIV Emergency Relief Project Grants	Pass-through	Aids United Total		174,705	
93.914	HIV Emergency Relief Project Grants	Pass-through	City And County Of San Francisco	A130897	2,759,565	
93.914	HIV Emergency Relief Project Grants	Pass-through	City And County Of San Francisco	A7621	(5,116)	
93.914	HIV Emergency Relief Project Grants	Pass-through	City And County Of San Francisco	CMS 7886	28,576	
93.914	HIV Emergency Relief Project Grants	Pass-through	City And County Of San Francisco	CMS 7890	303,530	
93.914	HIV Emergency Relief Project Grants	Pass-through	City And County Of San Francisco	D5883	10,247	
93.914	HIV Emergency Relief Project Grants	Pass-through	City And County Of San Francisco	D6084	563,985	
93.914	HIV Emergency Relief Project Grants	Pass-through	City And County Of San Francisco	D6089	99,283	
93.914	HIV Emergency Relief Project Grants	Pass-through	City And County Of San Francisco	DPHC17001025	312,312	
93.914	HIV Emergency Relief Project Grants	Pass-through	City And County Of San Francisco	RFP43-2017	152,768	
93.914	HIV Emergency Relief Project Grants	Pass-through	City And County Of San Francisco	RFP5-2019	100,897	
93.914	HIV Emergency Relief Project Grants	Pass-through	City And County Of San Francisco Total		4,326,048	

University of California
Schedule of Expenditures of Federal Awards

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Other Federal Programs

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.914	HIV Emergency Relief Project Grants	Pass-through	Heluna Health	79042	(117)	
93.914	HIV Emergency Relief Project Grants	Pass-through	Heluna Health Total		(117)	
93.914	HIV Emergency Relief Project Grants	Pass-through	Los Angeles County Department Of Health Services	PH-002389.7	145,529	
93.914	HIV Emergency Relief Project Grants	Pass-through	Los Angeles County Department Of Health Services Total		145,529	
93.914	HIV Emergency Relief Project Grants Total				4,647,506	
93.918	Outpatient Early Intervention Services With Respect To HIV Disease	Direct	Health Resources and Services Administration (HRSA)	Various	684,461	
93.918	Outpatient Early Intervention Services With Respect To HIV Disease	Direct	Health Resources and Services Administration (HRSA) Total		684,461	
93.918	Outpatient Early Intervention Services With Respect To HIV Disease Total				684,461	
93.924	Ryan White HIV/AIDS Dental Reimbursement And Community Based Dental Partnership Grants	Direct	Health Resources and Services Administration (HRSA)	Various	30,236	
93.924	Ryan White HIV/AIDS Dental Reimbursement And Community Based Dental Partnership Grants	Direct	Health Resources and Services Administration (HRSA) Total		30,236	
93.924	Ryan White HIV/AIDS Dental Reimbursement And Community Based Dental Partnership Grants Total				30,236	
93.928	Special Projects Of National Significance	Direct	Health Resources and Services Administration (HRSA)	Various	1,364,857	
93.928	Special Projects Of National Significance	Direct	Health Resources and Services Administration (HRSA) Total		1,364,857	
93.928	Special Projects Of National Significance	Pass-through	Boston University	4500002544	23,940	
93.928	Special Projects Of National Significance	Pass-through	Boston University Total		23,940	
93.928	Special Projects Of National Significance Total				1,388,796	
93.940	HIV Prevention Activities Health Department Based	Pass-through	Alameda County Public Health Department	900126	85,252	
93.940	HIV Prevention Activities Health Department Based	Pass-through	Alameda County Public Health Department Total		85,252	
93.940	HIV Prevention Activities Health Department Based	Pass-through	California Department Of Public Health	15-10840	525,169	
93.940	HIV Prevention Activities Health Department Based	Pass-through	California Department Of Public Health Total		525,169	
93.940	HIV Prevention Activities Health Department Based	Pass-through	City And County Of San Francisco	BPHC12000084	548,295	
93.940	HIV Prevention Activities Health Department Based	Pass-through	City And County Of San Francisco	HCHPDIHIVSVGR	1,336,294	
93.940	HIV Prevention Activities Health Department Based	Pass-through	City And County Of San Francisco Total		1,884,589	
93.940	HIV Prevention Activities Health Department Based Total				2,495,010	
93.940	Sexually Transmitted Diseases (STD) Prevention And Control Grants	Pass-through	California Department Of Public Health	18-10444	579,217	
93.940	Sexually Transmitted Diseases (STD) Prevention And Control Grants	Pass-through	California Department Of Public Health Total		579,217	
93.940	Sexually Transmitted Diseases (STD) Prevention And Control Grants Total				579,217	
93.959	Block Grants For Prevention And Treatment Of Substance Abuse	Pass-through	California Department Of Health Care Services	18-95330	176,424	
93.959	Block Grants For Prevention And Treatment Of Substance Abuse	Pass-through	California Department Of Health Care Services	18-95534	244,521	
93.959	Block Grants For Prevention And Treatment Of Substance Abuse	Pass-through	California Department Of Health Care Services	18325	131,916	
93.959	Block Grants For Prevention And Treatment Of Substance Abuse	Pass-through	California Department Of Health Care Services Total		552,861	
93.959	Block Grants For Prevention And Treatment Of Substance Abuse Total				552,861	
93.969	Ppbf Geriatric Education Centers	Direct	Health Resources and Services Administration (HRSA)	Various	544,577	227,781
93.969	Ppbf Geriatric Education Centers	Direct	Health Resources and Services Administration (HRSA) Total		544,577	227,781
93.969	Ppbf Geriatric Education Centers Total				544,577	227,781
93.977	Sexually Transmitted Diseases (STD) Prevention And Control Grants	Direct	Centers for Diseases Control and Prevention (CDC)	Various	1,237,593	169,129
93.977	Sexually Transmitted Diseases (STD) Prevention And Control Grants	Direct	Centers for Diseases Control and Prevention (CDC) Total		1,237,593	169,129
93.977	Sexually Transmitted Diseases (STD) Prevention And Control Grants	Pass-through	California Department Of Public Health	18-10444	2,788,461	
93.977	Sexually Transmitted Diseases (STD) Prevention And Control Grants	Pass-through	California Department Of Public Health	18-10459	180,076	
93.977	Sexually Transmitted Diseases (STD) Prevention And Control Grants	Pass-through	California Department Of Public Health Total		2,968,537	
93.977	Sexually Transmitted Diseases (STD) Prevention And Control Grants Total				4,206,130	169,129
93.978	Sexually Transmitted Diseases (STD) Provider Education Grants	Direct	Centers for Diseases Control and Prevention (CDC)	Various	61,496	
93.978	Sexually Transmitted Diseases (STD) Provider Education Grants	Direct	Centers for Diseases Control and Prevention (CDC) Total		61,496	
93.978	Sexually Transmitted Diseases (STD) Provider Education Grants Total				61,496	
93.991	Preventive Health And Health Services Block Grant	Pass-through	California Department Of Public Health	1410332	2,194	
93.991	Preventive Health And Health Services Block Grant	Pass-through	California Department Of Public Health	18-10566	409,931	
93.991	Preventive Health And Health Services Block Grant	Pass-through	California Department Of Public Health	18-10617	15,301	
93.991	Preventive Health And Health Services Block Grant	Pass-through	California Department Of Public Health Total		427,426	
93.991	Preventive Health And Health Services Block Grant Total				427,426	
93.U01		Direct	Centers for Diseases Control and Prevention (CDC)	200-2016-92217	7,565	
93.U01		Direct	Centers for Diseases Control and Prevention (CDC) Total		7,565	
93.U01	Total				7,565	
93.U02		Direct	Centers for Diseases Control and Prevention (CDC)	2017-M-95802	(11,727)	
93.U02		Direct	Centers for Diseases Control and Prevention (CDC) Total		(11,727)	
93.U02	Total				(11,727)	
93.U03		Direct	Centers for Diseases Control and Prevention (CDC)	C03490	252,135	
93.U03		Direct	Centers for Diseases Control and Prevention (CDC) Total		252,135	
93.U03	Total				252,135	
93.U04		Pass-through	County Of Sonoma	81A31	(3,553)	
93.U04		Pass-through	County Of Sonoma Total		(3,553)	
93.U04	Total				(3,553)	
93.U05		Pass-through	California Department Of Public Health	16-10190	(14,859)	
93.U05		Pass-through	California Department Of Public Health Total		(14,859)	
93.U05	Total				(14,859)	
93.U06		Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders	CIBDIX2015CDCUCD	30,517	
93.U06		Pass-through	Center For Comprehensive Care & Diagnosis Of Inherited Blood Disorders Total		30,517	
93.U06	Total				30,517	
93.U07		Pass-through	Duke University	35B20	15,533	
93.U07		Pass-through	Duke University Total		15,533	
93.U07	Total				15,533	
93.U08		Pass-through	Impaq International	2758	812,131	
93.U08		Pass-through	Impaq International Total		812,131	
93.U08	Total				812,131	
93.U09		Pass-through	Massachusetts General Hospital	87A57	495	
93.U09		Pass-through	Massachusetts General Hospital Total		495	
93.U09	Total				495	
93.U10		Pass-through	Mathematica, Inc	50702S05922	317,068	
93.U10		Pass-through	Mathematica, Inc Total		317,068	
93.U10	Total				317,068	
93.U11		Pass-through	Mathematica, Inc	50783S06032	61,706	
93.U11		Pass-through	Mathematica, Inc Total		61,706	
93.U11	Total				61,706	

University of California
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Other Federal Programs

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
93.U12		Pass-through	Mathematica, Inc	75FCMC18D003275FCM	17,635	
93.U12		Pass-through	Mathematica, Inc Total	C19F0003	17,635	
93.U12	Total				17,635	
93.U13		Pass-through	Most Investments, LLC	LOA	622,437	
93.U13		Pass-through	Most Investments, LLC Total		622,437	
93.U13	Total				622,437	
93.U14		Pass-through	Orange County	MA-063-16011090	77,222	
93.U14		Pass-through	Orange County Total		77,222	
93.U14	Total				77,222	
93.U15		Pass-through	Polynovo Biomaterials Pty. Ltd.	201603858	1,046	
93.U15		Pass-through	Polynovo Biomaterials Pty. Ltd. Total		1,046	
93.U15	Total				1,046	
93.U16		Pass-through	Regeneron Pharmaceuticals, Inc.	A20-3949	7,144	
93.U16		Pass-through	Regeneron Pharmaceuticals, Inc. Total		7,144	
93.U16	Total				7,144	
93.U17		Pass-through	Reveragen Biopharma, Inc.	201701162	1,330	
93.U17		Pass-through	Reveragen Biopharma, Inc. Total		1,330	
93.U17	Total				1,330	
93.U18		Pass-through	Riverside County	C000114031	4,250	
93.U18		Pass-through	Riverside County Total		4,250	
93.U18	Total				4,250	
93.U19		Pass-through	Siskiyou, County Of	C000114023	8,500	
93.U19		Pass-through	Siskiyou, County Of Total		8,500	
93.U19	Total				8,500	
93.U20		Pass-through	Siskiyou, County Of	C000114024	4,250	
93.U20		Pass-through	Siskiyou, County Of Total		4,250	
93.U20	Total				4,250	
93.U21		Pass-through	State Of Maryland	88251	6,298	
93.U21		Pass-through	State Of Maryland Total		6,298	
93.U21	Total				6,298	
93.U22		Pass-through	University Of South Florida	09000015	336	
93.U22		Pass-through	University Of South Florida Total		336	
93.U22	Total				336	
94.006	Americorps	Pass-through	Californiavolunteers	009301	37,633	
94.006	Americorps	Pass-through	Californiavolunteers	011092	273,017	
94.006	Americorps	Pass-through	Californiavolunteers	80068	(619)	
94.006	Americorps	Pass-through	Californiavolunteers Total		310,030	
94.006	Americorps	Pass-through	Jumpstart For Young Children, Inc.	3330200	150,246	
94.006	Americorps	Pass-through	Jumpstart For Young Children, Inc. Total		150,246	
94.006	Americorps	Pass-through	Superior Court Of California, County Of Los Angeles	20171242	7	
94.006	Americorps	Pass-through	Superior Court Of California, County Of Los Angeles	20200481	18,577	
94.006	Americorps	Pass-through	Superior Court Of California, County Of Los Angeles Total		18,584	
94.006	Americorps Total				478,861	
94.013	Volunteers In Service To America	Direct	Corporation For National And Community Service (CNCS)	Various	27,460	
94.013	Volunteers In Service To America	Direct	Corporation For National And Community Service (CNCS) Total		27,460	
94.013	Volunteers In Service To America	Pass-through	Real Journey Academies	Various	5,564	
94.013	Volunteers In Service To America	Pass-through	Real Journey Academies Total		5,564	
94.013	Volunteers In Service To America Total				33,023	
94.U01		Direct	Corporation For National And Community Service (CNCS)	17VSPCA010	4,314	
94.U01		Direct	Corporation For National And Community Service (CNCS) Total		4,314	
94.U01	Total				4,314	
96.U01		Pass-through	Del Norte County	C000113961	49,725	
96.U01		Pass-through	Del Norte County Total		49,725	
96.U01	Total				49,725	
97.005	State And Local Homeland Security National Training Program	Pass-through	The Center For Rural Development	EMW2016CA00097S01	202,582	
97.005	State And Local Homeland Security National Training Program	Pass-through	The Center For Rural Development	FY1700052S01	18,990	
97.005	State And Local Homeland Security National Training Program	Pass-through	The Center For Rural Development	FY19-00048-S01	16,204	
97.005	State And Local Homeland Security National Training Program	Pass-through	The Center For Rural Development Total		237,776	
97.005	State And Local Homeland Security National Training Program Total				237,776	
97.012	Boating Safety Financial Assistance	Pass-through	California Division Of Boating And Waterways	C8962328-1	9,918	
97.012	Boating Safety Financial Assistance	Pass-through	California Division Of Boating And Waterways Total		9,918	
97.012	Boating Safety Financial Assistance Total				9,918	
97.024	Emergency Food And Shelter National Board Program	Pass-through	United Way Of Greater Los Angeles	20194341	10,000	
97.024	Emergency Food And Shelter National Board Program	Pass-through	United Way Of Greater Los Angeles Total		10,000	
97.024	Emergency Food And Shelter National Board Program Total				10,000	
97.036	Disaster Grants-Public Assistance (Presidentially Declared Disasters)	Pass-through	Orange County Health Care Agency	MA-042-20011664	22,544	
97.036	Disaster Grants-Public Assistance (Presidentially Declared Disasters)	Pass-through	Orange County Health Care Agency	MA-042-20011978	6,333	
97.036	Disaster Grants-Public Assistance (Presidentially Declared Disasters)	Pass-through	Orange County Health Care Agency Total		28,877	
97.036	Disaster Grants-Public Assistance (Presidentially Declared Disasters) Total				28,877	
98.001	USAID Foreign Assistance For Programs Overseas	Direct	U.S. Agency For International Development (USAID)	Various	3,399,949	1,967,118
98.001	USAID Foreign Assistance For Programs Overseas	Direct	U.S. Agency For International Development (USAID) Total		3,399,949	1,967,118
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Cornell University	72026319CA00002	353,817	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Cornell University Total		353,817	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	International Aids Vaccine Initiative Inc.	2395	202,786	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	International Aids Vaccine Initiative Inc. Total		202,786	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Kansas State University	S15115	877,427	(54,472)
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Kansas State University	S18113	52,079	
98.001	USAID Foreign Assistance For Programs Overseas	Pass-through	Kansas State University Total		929,506	(54,472)
98.001	USAID Foreign Assistance For Programs Overseas Total				4,886,057	1,912,646
98.U01		Pass-through	Cardno Ltd	PO 2019-13	56,200	
98.U01		Pass-through	Cardno Ltd Total		56,200	
98.U01	Total				56,200	
98.U02		Pass-through	International Maize And Wheat Improvement Center	201400223	39,908	34,194
98.U02		Pass-through	International Maize And Wheat Improvement Center Total		39,908	34,194
98.U02	Total				39,908	34,194
98.U03		Pass-through	Michigan State University	RC102095	7,937	
98.U03		Pass-through	Michigan State University Total		7,937	

University of California
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Other Federal Programs

CFDA #	Federal Program Title	Direct / Pass-Through	Agency or Pass-Through Entity	Pass-Through No. or Other Identifier	Federal Expenditures	Passed-Through to Subrecipients
99.U03						
99.U03	Total				7,937	
99.U03		Pass-through	Allergan Inc.	6718	2	
99.U03		Pass-through	Allergan Inc. Total		2	
99.U03	Total				2	
99.U04		Pass-through	American Institutes For Research In The Behavioral Sciences	0470300001	8,965	
99.U04		Pass-through	American Institutes For Research In The Behavioral Sciences Total		8,965	
99.U04	Total				8,965	
99.U05		Pass-through	Anthrotronix, Inc.	030119-0001-UCLA	1,724	
99.U05		Pass-through	Anthrotronix, Inc. Total		1,724	
99.U05	Total				1,724	
99.U06		Pass-through	California Department Of Health Care Services	14-90487	869,705	
99.U06		Pass-through	California Department Of Health Care Services Total		869,705	
99.U06	Total				869,705	
99.U07		Pass-through	California Department Of Health Care Services	18-95371	281,380	
99.U07		Pass-through	California Department Of Health Care Services Total		281,380	
99.U07	Total				281,380	
99.U08		Pass-through	California Employment Development Department	M7105788	7,422	
99.U08		Pass-through	California Employment Development Department Total		7,422	
99.U08	Total				7,422	
99.U09		Pass-through	California Governor's Office Of Emergency Services	RC18348565	322,411	
99.U09		Pass-through	California Governor's Office Of Emergency Services Total		322,411	
99.U09	Total				322,411	
99.U10		Pass-through	Cambium Learning Group, Inc.	CONTRACT #: 6-6330-063020-0003	67,625	
99.U10		Pass-through	Cambium Learning Group, Inc. Total		67,625	
99.U10	Total				67,625	
99.U11		Pass-through	Ceri, LLC	SUB 20201441(NIH)	8,055	
99.U11		Pass-through	Ceri, LLC Total		8,055	
99.U11	Total				8,055	
99.U12		Pass-through	Freedom Photonics LLC	59202	(44)	
99.U12		Pass-through	Freedom Photonics LLC Total		(44)	
99.U12	Total				(44)	
99.U13		Pass-through	Green Dot Public Schools	77829	31,289	
99.U13		Pass-through	Green Dot Public Schools Total		31,289	
99.U13	Total				31,289	
99.U14		Pass-through	Jet Propulsion Laboratory	1618738	25,001	
99.U14		Pass-through	Jet Propulsion Laboratory Total		25,001	
99.U14	Total				25,001	
99.U15		Pass-through	Jet Propulsion Laboratory	77739	6	
99.U15		Pass-through	Jet Propulsion Laboratory Total		6	
99.U15	Total				6	
99.U16		Pass-through	Lawrence Livermore National Security, LLC	B637431	56,002	
99.U16		Pass-through	Lawrence Livermore National Security, LLC Total		56,002	
99.U16	Total				56,002	
99.U17		Pass-through	Lawrence Livermore National Security, LLC	B638424	28,473	
99.U17		Pass-through	Lawrence Livermore National Security, LLC Total		28,473	
99.U17	Total				28,473	
99.U18		Pass-through	Lawrence Livermore National Security, LLC	B639057	29,968	
99.U18		Pass-through	Lawrence Livermore National Security, LLC Total		29,968	
99.U18	Total				29,968	
99.U19		Pass-through	Lawrence Livermore National Security, LLC	B639203	28,093	
99.U19		Pass-through	Lawrence Livermore National Security, LLC Total		28,093	
99.U19	Total				28,093	
99.U20		Pass-through	Leidos, Inc.	87B05	33,604	
99.U20		Pass-through	Leidos, Inc. Total		33,604	
99.U20	Total				33,604	
99.U21		Pass-through	Los Angeles County Department Of Health Services	PH-003808	928,180	
99.U21		Pass-through	Los Angeles County Department Of Health Services Total		928,180	
99.U21	Total				928,180	
99.U22		Pass-through	Near East South Asia Center For Strategic Studies	20192787	276,583	
99.U22		Pass-through	Near East South Asia Center For Strategic Studies Total		276,583	
99.U22	Total				276,583	
99.U23		Pass-through	Near East South Asia Center For Strategic Studies	20201233	226,395	
99.U23		Pass-through	Near East South Asia Center For Strategic Studies Total		226,395	
99.U23	Total				226,395	
99.U24		Pass-through	Northern California Institute For Research And Education, Inc	84232 - 01 - 404958	80,684	
99.U24		Pass-through	Northern California Institute For Research And Education, Inc Total		80,684	
99.U24	Total				80,684	
99.U25		Pass-through	Operant Solar Corporation	57114	(74)	
99.U25		Pass-through	Operant Solar Corporation Total		(74)	
99.U25	Total				(74)	
99.U26		Pass-through	San Diego County	8759G	(3,047)	
99.U26		Pass-through	San Diego County Total		(3,047)	
99.U26	Total				(3,047)	
99.U27		Pass-through	San Diego County	SUB 554626 (NONE)	241,044	
99.U27		Pass-through	San Diego County Total		241,044	
99.U27	Total				241,044	
99.U28		Pass-through	Social Justice Learning Institute Inc.	77837	10,781	
99.U28		Pass-through	Social Justice Learning Institute Inc. Total		10,781	
99.U28	Total				10,781	
99.U29		Pass-through	The University Of Alabama At Birmingham	D5801	5,862	
99.U29		Pass-through	The University Of Alabama At Birmingham Total		5,862	
99.U29	Total				5,862	
99.U30		Pass-through	Youth Policy Institute Inc.	79399	(122,437)	
99.U30		Pass-through	Youth Policy Institute Inc. Total		(122,437)	
99.U30	Total				(122,437)	
Other Federal Programs Total					431,590,520	53,284,665
Grand Total					6,215,377,123	529,416,458

University of California
Schedules of Expenditures of Federal Awards

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Notes A - H

A. General

The accompanying Summary Schedule of Expenditures of Federal Awards and Schedule of Expenditures of Federal Awards ("SEFA") (collectively the "Schedules") present the activity of all federal financial assistance programs of the University of California (the "University"), a component unit of the State of California, except for the University's Benioff Children's Hospital Oakland, which is separately reported.

Consistent with the provisions of Title 2 *U.S. Code of Federal Regulations* Part 200, *Uniform Administrative Requirements for Federal Awards* (Uniform Guidance), the accompanying Schedules do not include the expenditures of the Lawrence Berkeley National Laboratory ("LBNL") – a major Department of Energy ("DOE") national laboratory operated and managed by the University under contracts with DOE, as it represents a government-owned, contractor operated facility.

B. Basis of Accounting

The accompanying SEFA is presented on a cash basis as year-end accruals for financial statement purposes are performed in aggregate and not allocated to individual awards. Amounts expended for loan programs are reflected at the value of new loans made or received during the fiscal year plus the beginning balance of loans from previous years for which the federal government imposes continuing compliance requirements.

The information in these schedules is presented in accordance with the requirements of the Uniform Guidance. Negative amounts represent adjustments in the normal course of business to amounts reported in a prior year.

C. Catalog of Federal Domestic Assistance ("CFDA") Numbers

Research and Development ("R&D") direct awards are presented on the SEFA by federal agency and major subdivision within the federal agency, when applicable. Pass-through awards have been presented by pass-through entity, CFDA number, sponsor's award number, when available, or by the University assigned identifier. Awards granted from the LBNL to the campuses are presented as direct awards on the SEFA since the University is operating and managing LBNL.

For federal assistance programs and awards that have no assigned CFDA number, federal awards to non-Federal entities from the same agency, made for the same purpose are combined and considered as one program. If the CFDA three-digit extension is unknown, it is assigned a "U" followed by a two-digit number (e.g., U01, U02, etc.). If the Federal program is part of the R&D cluster and the CFDA three-digit extension is unknown, "RD" is used as the CFDA extension.

University of California
Schedules of Expenditures of Federal Awards

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Notes A - H

D. Commingled Assistance

The University has included, within the SEFA, amounts received from pass-through entities, which include funds from federal and non-federal sources because the pass through entity is unable to determine the federal portion. Those funds are referred to as partial pass-through funds on the SEFA.

The California Student Aid Commission (CSAC) administers the State Cal Grant A and B Programs, selects the student recipients of these grant awards, and provides funds to participating institutions for disbursement. Federal Temporary Assistance for Needy Families (TANF) funds, CFDA number 93.558, from the United States Department of Health and Human Services may comprise up to approximately 55% of the total funding for these Cal Grant awards.

In fiscal year 2020, the University paid Cal Grant A and B funds in the amount of \$977,693,592; however, CSAC is unable to determine the exact amount of TANF funds, if any, represented in those awards. Therefore, the Schedules do not include State Grant A and B awards.

E. Outstanding Balances on Loan Programs

Outstanding balances on federal loans programs as of June 30, 2020 are as follows:

	Assistance Listing No.	Principal Outstanding
Federal Perkins Loan Program	84.038	\$126,597,684
Health Professions Student Loans, Loans for Disadvantaged Students, Primary Care Loans	93.342	63,856,937
Nursing Student Loans	93.364	1,155,469
Nursing Student Faculty Loans	93.264	479,939
ARRA - Nursing Faculty Loans	93.408	62,057

F. Facilities and Administrative Costs

The University uses its negotiated indirect costs rates instead of the 10% de minimis rate allowed by the Uniform Guidance.

G. Department of Health and Human Services – Provider Relief Funds

The University of California was the recipient of funding under CFDA #93.498, *Provider Relief Fund*, and as required by the Addendum to the 2020 Compliance Supplement such expenditures have been excluded from the Schedules for the year ending June 30, 2020.

H. Donated Personal Protective Equipment (PPE) - *Unaudited*

The University of California was the recipient of donated personal protective equipment during the year ending June 30, 2020 totaling a fair market value of \$201,028.



**Report of Independent Auditors on Internal Control Over Financial Reporting and on Compliance
and Other Matters Based on an Audit of Financial Statements Performed in
Accordance with *Government Auditing Standards***

To the Regents of the University of California

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the financial statements of the University of California (the "University"), a component unit of the State of California, its aggregate discretely presented component units, the University of California Retirement System, and the University of California Retiree Health Benefit Trust as of and for the year ended June 30, 2020, and the related notes to the financial statements, which collectively comprise the University's basic financial statements as listed in the table of contents, and have issued our report thereon dated October 9, 2020. The financial statements of the University's discretely presented component units were not audited in accordance with *Government Auditing Standards*, and accordingly, this report does not include reporting on internal control over financial reporting or instances of reportable noncompliance associated with the University's discretely presented component units.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the University's internal control over financial reporting ("internal control") as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. Accordingly, we do not express an opinion on the effectiveness of University's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that have not been identified. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. We did identify a certain deficiency in internal control, described in the accompanying Schedule of Findings and Questioned Costs as item 2020-001 that we consider to be a significant deficiency.



Compliance and Other Matters

As part of obtaining reasonable assurance about whether the University's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

The University's Response to Findings

The University's response to the finding identified in our audit is described in the accompanying Management's Views and Corrective Action Plan. The University's response was not subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on it.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

PricewaterhouseCoopers LLP

San Francisco, California
October 9, 2020



**Report of Independent Auditors on Compliance with Requirements
That Could Have a Direct and Material Effect on Each Major Program and on Internal Control Over
Compliance in Accordance with the Uniform Guidance**

To the Regents of the University of California

Report on Compliance for Each Major Federal Program

We have audited the University of California's (the "University"), a component unit of the State of California, compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the University's major federal programs for the year ended June 30, 2020. The University's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

The University's basic financial statements include the operations of the University's Benioff Children's Hospital & Research Center Oakland, which is not included in the University's schedules of expenditures of federal awards during the year ended June 30, 2020. Our audit, described below, did not include the operations of the University's Benioff Children's Hospital & Research Center Oakland because a discrete report in accordance with Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance) is issued for this entity.

Management's Responsibility

Management is responsible for compliance with federal statutes, regulations and the terms and conditions of its federal awards applicable to its federal programs.

Auditors' Responsibility

Our responsibility is to express an opinion on compliance for each of the University's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Those standards and the Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the University's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal program. However, our audit does not provide a legal determination of the University's compliance.



Opinion on Each Major Federal Program

In our opinion, the University of California complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2020.

Other Matters

The results of our auditing procedures disclosed instances of noncompliance, which are required to be reported in accordance with the Uniform Guidance and which are described in the accompanying schedule of findings and questioned costs as items 2020-002, 2020-003 and 2020-004. Our opinion on each major federal program is not modified with respect to these matters.

The University's response to the noncompliance findings identified in our audit is described in the accompanying management's views and corrective action plan. The University's response was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

Report on Internal Control Over Compliance

Management of the University is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the University's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the University's internal control over compliance.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. *A material weakness in internal control over compliance* is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. *A significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.



The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

PricewaterhouseCoopers LLP

San Francisco, California
May 27, 2021

University of California
Schedule of Findings and Questioned Costs
Year Ended June 30, 2020

SECTION I – SUMMARY OF AUDITOR’S RESULTS

Financial Statements

Type of auditor’s report issued:	Unmodified
Internal control over financial reporting:	
• Material weakness(es) identified?	No
• Significant deficiency(ies) identified that are not considered to be material weaknesses	Yes
Noncompliance material to the financial statements noted?	No

Federal Awards

Internal control over major programs:	
• Material weakness(es) identified?	No
• Significant deficiency(ies) identified that are not considered to be material weaknesses	None reported
Type of auditor’s report issued on compliance for major programs	Unmodified
Any audit findings that are required to be reported in accordance with 2 CFR 200.516(a)?	Yes

Identification of major programs:

Program Name	CFDA Number(s)
Research and Development Cluster	Various
COVID-19 - Education Stabilization Fund	84.425E, 84.425F, 84.425L
Foster Care-Title IV-E	93.658

Dollar threshold used to distinguish between type A and type B programs:	\$18,646,131
Auditee qualified as a low-risk auditee?	Yes

University of California

Schedule of Findings and Questioned Costs

Year Ended June 30, 2020

SECTION II – FINANCIAL REPORTING FINDINGS

2020-001: IT General Controls for Retirement System (Significant Deficiency)

Criteria

As part of our audit, we are required to obtain an understanding of internal controls relevant to the audit, which includes the end to end process around key financial reporting cycles and evidence the implementation of relevant controls and the related IT dependencies. (AU-C section 315).

Condition

The University implemented Redwood, a retirement recordkeeping system in March 2019, which is used throughout the University, except Benioff Children's Hospital of Oakland. The University partners with a vendor to perform hosting of the system and certain IT controls responsibilities are outsourced to the vendor for the retirement system, including:

- Provisioning/revoking database level access including database administrator privileged access;
- Developing changes, testing changes, and migrating changes into production as well as ensuring separation of duties between developers and migrators, and
- Restricting access to the job scheduler used to run the new retirement system jobs.

While the University has processes over those IT activities within their control, the University relies on the vendor for the aforementioned execution of key IT general controls. In situations where significant operations are subject to third party oversight, service organizations will typically provide users with an AICPA Systems & Organization Controls audit report that specifically addresses the design and operating effectiveness of internal controls (SOC 1 Type 2 report).

In 2019, documentation could not be provided by the vendor to evidence the design, implementation, and operation of key IT controls. The result was the absence of key vendor IT controls over the making and migrating of changes; granting/revoking database level access and restricting access to the job scheduler which results in no IT controls over on the ongoing validity, completeness or accuracy of the data processed in the retirement system or in the reports generated from the retirement system.

In fiscal year 2020, the University received a SOC 1 Type 2 report for the period January 2020 through March 2020. However, management ultimately concluded the time period covered by the SOC 1 report was insufficient in order to determine the effectiveness of key IT controls for the full fiscal year 2020. Additionally, it was noted that several key IT controls relevant to the University were not subject to testing as part of the SOC 1 report due to the frequency of the control operation (annual frequency occurring outside the SOC1 audit report's coverage period). Consistent with fiscal year 2019, this has been determined to be a significant deficiency in internal control requiring communication to those charged with governance and is considered a repeat of finding 2019-001.

Cause

While the University has processes over those IT activities within their control, the University relies on the vendor for the aforementioned execution of key IT general controls. Documentation could not be provided by the vendor to evidence the design, implementation, and operation of key IT controls.

Effect

The absence of key IT controls over granting/revoking database level access, the making and migrating of changes, and restricting access to the job scheduler results in risks related to the

University of California
Schedule of Findings and Questioned Costs
Year Ended June 30, 2020

ongoing validity, completeness, and accuracy of the data processed in the retirement system or in the reports generated from the retirement system.

Recommendation

We recommend the University undertake actions to have the aforementioned IT general controls related to the retirement system designed and implemented appropriately, including maintaining the evidence of operating effectiveness of related controls (for example, through obtaining one or more SOC1 reports covering the fiscal year).

Management's Views and Corrective Action Plan

Management's response is included in "Management's Views and Corrective Action Plan" included at the end of this report after the summary schedule of status of prior audit findings.

University of California
Schedule of Findings and Questioned Costs
Year Ended June 30, 2020

SECTION III – FEDERAL AWARD FINDINGS AND QUESTIONED COSTS

2020-002 – Federal Equipment Listing Completeness and Accuracy

Cluster: Research & Development

Sponsoring Agency: Various

Award Name: Various

Award Number: Various

CFDA Title: Various

CFDA Number: Various

Award Year: 2019 - 2020

Criteria

2 CFR 200.313 (d)(1-2) indicates that a physical inventory of federal equipment must be taken and the results reconciled with property records at least once every two years. Additionally, accurate property records must be maintained which include various identifying information, such as the location, use and condition of the property and any ultimate disposition data, including the date of disposal and sale of the property.

Condition

In testing the University's conformity with the compliance requirements for equipment management, we selected 50 pieces of equipment across two campuses from the detailed listings provided to physically inspect. Additionally, in order to test the completeness of the detailed listings, we selected 51 pieces of equipment from the "floor" and traced these to the detailed listings provided. Through our testing, we noted the following:

- Two pieces of equipment out of the 50 selections made from the detailed listings for physical inspection were incorrectly included in the listings. One piece of equipment was disposed of prior to the end of the fiscal year but was not updated in the equipment management system and the other piece of equipment was transferred to another university and was not updated in the equipment management system.
- Three pieces of equipment out of the 51 selections made during our completeness testing procedures, were incorrectly excluded from the listings, as they were marked as inactive in the equipment management system in error.

Cause

The two items that were improperly included in the detailed listings were the result of the disposals not being properly communicated to the equipment management team. The three items that were improperly excluded from the detailed listings were excluded as they were mistakenly marked as 'inactive' within the system. More specifically:

- One selection was to be disposed of as surplus and was thus marked as inactive. This item did not end up going to surplus, but the status was not changed back to active.
- One selection was tagged incorrectly as the wrong type of equipment and was mistakenly marked inactive.
- One selection was marked as inactive in 2014 and was reactivated in 2018, but the status was not updated in the equipment management system to reflect this.

Effect

The listings of federally funded equipment were not complete and accurate.

Questioned Costs

None noted.

University of California
Schedule of Findings and Questioned Costs
Year Ended June 30, 2020

Recommendation

We recommend that the University provide training to the principal investigators and other grant personnel focusing on the policies and procedures around federal equipment management. This should include emphasizing the importance of timely communication of disposals and other changes to the equipment inventory listing to ensure the listing is complete and accurate.

Management's Views and Corrective Action Plan

Management's response is included in "Management's Views and Corrective Action Plan" included at the end of this report after the summary schedule of status of prior audit findings.

University of California

Schedule of Findings and Questioned Costs

Year Ended June 30, 2020

2020-003 - Subrecipient Risk Assessment and Ongoing Monitoring

Cluster: Research & Development

Sponsoring Agency: Defense Advance Research Projects Agency (DARPA)

Award Name: NTERfering and Co-Evolving Prevention and Therapy (INTERCEPT)

Award Number: HR0011-17-2-0027

CFDA Title: Research and Technology Development

CFDA Number: 12.910

Award Year: 2019 - 2020

Criteria

2 CFR 200.332(b) indicates that each subrecipient's risk of noncompliance with Federal statutes, regulations, and the terms and conditions of the subaward should be evaluated for purposes of determining the appropriate subrecipient monitoring and may include consideration of such factors as:

- (1) The subrecipient's prior experience with the same or similar subawards;
- (2) The results of previous audits including whether or not the subrecipient receives a Single Audit in accordance with Subpart F of this part, and the extent to which the same or similar subaward has been audited as a major program;
- (3) Whether the subrecipient has new personnel or new or substantially changed systems; and
- (4) The extent and results of Federal awarding agency monitoring (e.g., if the subrecipient also receives Federal awards directly from a Federal awarding agency).

Additionally, 2CFR 200.332(d), indicates that Single Audit reports should also be obtained and reviewed as part of ongoing subrecipient monitoring.

Condition

In testing the University's conformity with the compliance requirements for subrecipient monitoring, we selected 40 subrecipients from the detailed listing provided. We noted two subrecipients out of the 40 selections at one campus in which the audit report was not obtained for purposes of ongoing monitoring as required by University policy and the Uniform Guidance. Additionally, the risk assessment on these subrecipients had not been reassessed since 2017 when this is required to be completed annually under University policy. Both of these subrecipients did not have Uniform Guidance reports available and thus alternative procedures should have been completed by the University, which would have included obtaining a questionnaire from the subrecipient.

Questioned Costs

None noted.

Cause

These two subrecipients were not subjected to proper risk assessment or certain ongoing monitoring procedures due to lack of training of new employees and lack of communication, stemming from management transitions to those employees that would have been required to conduct these reviews after department turnover.

Effect

Lack of review of risk assessments and certain ongoing monitoring procedures could impact the level of subrecipient monitoring completed by the University.

University of California
Schedule of Findings and Questioned Costs
Year Ended June 30, 2020

Recommendation

We recommend management implement trainings on subrecipient monitoring for all employees and implement a review to ensure that risk assessment and monitoring procedures are appropriately performed.

Management's Views and Corrective Action Plan

Management's response is included in "Management's Views and Corrective Action Plan" included at the end of this report after the summary schedule of status of prior audit findings.

University of California

Schedule of Findings and Questioned Costs

Year Ended June 30, 2020

2020-004 - Section 18004(a)(1) Student Aid Portion Quarterly Public Reporting

Cluster: Not applicable

Sponsoring Agency: US Department of Education

Award Name: CARES Act Emergency Relief Funds - Student Awards

Award Number: P425E200169

CFDA Title: COVID-19 - Education Stabilization Fund

CFDA Number: 84.425E

Award Year: 2019 - 2020

Criteria

Section 18004(e) of the CARES Act requires recipients to report to the Secretary of Education thirty (30) days from the date the Certification and Agreement was signed by the institution and every forty-five (45) days thereafter in accordance with 2 CFR 200.333 through 2 CFR 200.337, or in such other additional form as the Secretary of Education may specify, how grants were distributed to students, the amount of each grant awarded to each student, how the amount of each grant was calculated, and any instructions or directions given to students about the grants.

The requirements in the Certification and Agreement were further clarified and indicated that beginning on May 6, 2020, institutions that received a Higher Education Emergency Relief Fund ("HEERF") 18004(a)(1) Student Aid Portion award were required to publicly post certain information on their website no later than 30 days after award, and update that information every 45 days thereafter (by posting a new report).

Condition

In testing the University's conformity with the compliance requirements for the HEERF Student Aid Portion Quarterly Public Reporting, we selected 5 Student Aid Portion Quarterly Reports across 5 campuses for testing. Each campus selected had one Student Aid Quarterly Public Report due in fiscal year 2020. We noted that for one campus, the University was unable to provide support that the report was completed and posted publicly to its campus website. As a result, we were unable to determine if posting was timely and we were unable to agree key line items to underlying documentation.

Cause

The campus impacted experienced turnover in their Financial Aid & Scholarships Office during fiscal year 2020 and the new personnel, along with information technology personnel at the campus, were unable to determine if this report was posted after reviewing the records and archives currently available.

Effect

The absence of public reporting of student aid funding data results in reduced transparency as to how the University has spent CARES Act funding.

Questioned Costs

None noted.

Recommendation

We recommend management implement a control whereby reporting dates as directed by the sponsoring agency are monitored by management so that appropriate personnel can ensure the reporting is performed and completed in a timely manner. Additionally, support should be maintained to evidence the website posting of each Student Aid Portion Quarterly Public Report.

University of California
Schedule of Findings and Questioned Costs
Year Ended June 30, 2020

Management's Views and Corrective Action Plan

Management's response is included in "Management's Views and Corrective Action Plan" included at the end of this report after the summary schedule of status of prior audit findings.

University of California

Summary Schedule of Prior Audit Findings and Status

Year Ended June 30, 2020

2019-001: IT General Controls for Retirement System (Significant Deficiency)

Condition

In March 2019, a new retirement system was implemented that replaced the legacy system. The University outsources to a third-party vendor the following IT responsibilities over the new retirement system:

- Provisioning/revoking database level access including database administrator privileged access;
- Developing changes, testing changes and migrating changes into production as well as ensuring separation of duties between developers and migrators, and
- Restricting access to the job scheduler used to run the new retirement system jobs.

Management identified that the vendor does not have an AICPA Systems & Organization Controls report over the design and operating effectiveness of internal controls (SOC 1 Type 2 report). The vendor also does not have any formalized/written policies and procedures related to the aforementioned IT controls. The result is the absence of key IT controls in Change Management, Access to Programs & Data, and Computer Operations at the University.

This system is a consolidated system encompassing all components of the University of California, except for Benioff Children's Hospital of Oakland.

PwC Recommendation

We should undertake actions to have the aforementioned missing IT general controls related to the retirement system designed and implemented during the 2020 fiscal year.

Actions Taken

The University was aware of these issues and brought them to the attention of the external auditors. Access to the system is approved by the University, and changes to the system follow the software development life cycle with involvement and approvals by the University before a change is made to the production system. The vendor agreed to obtain a SOC 1 Type 2 report during the current fiscal year. As a compensating control for the period outside of the SOC 1 Type 2 report period, UC performs periodic access reviews and periodic release reviews. These periodic reviews include checking changes made by users having production write access for data fixes and for code changes to verify that the changes released to production were approved by University. The corrective action is underway and is expected to be completed by the end of fiscal year 2021.

University of California

Summary Schedule of Prior Audit Findings and Status

Year Ended June 30, 2020

2019-002: Return of Title IV Funds - Refund to the Department of Education

Cluster: Student Financial Assistance

Sponsoring Agency: Department of Education

Award Name/CFDA Title: Federal Pell Program; Federal Direct Loans

CFDA Numbers: 84.063, 84.268

Award Year: 2018 - 2019

Condition

PwC selected 100 students across four campuses who received Title IV assistance but then dropped out, withdrew or never began attendance to test the University's conformity with the compliance requirements around the return of Title IV funds. Through this testing, the following items were noted:

- 5 students were identified whose return to the Department of Education ("ED") was not completed timely. These selections ranged from 1 to 27 days late.
- 1 student was identified in which the calculation of the refund was inaccurate causing the ED to be underfunded by \$149.
- 1 student was identified whose funds were not returned correctly causing the ED to be underfunded by \$9.

PwC Recommendation

We should implement policies and procedures that require a secondary review of Title IV refund calculations to ensure they are complete and accurate. In addition, we should provide further training to the financial aid advisors completing the calculations and reemphasize the importance of completing the returns both accurately and timely.

Actions Taken

Three campuses were affected by this finding. At the first campus, the one untimely return of the funds was due to the Common Origination and Disbursement (COD) report being rejected by the National Student Loan Data Systems (NSLDS) for unmatched data, and the campus discovered the rejection after the specified timeframe. This campus Financial Aid and Scholarship Office implemented a process to review COD reject reports bi-weekly for completion of refund and reporting within the required time period.

The automated reporting system at the second campus did not report the one untimely return to the COD system. Financial Aid and Scholarships did not review the exception report used to identify records which failed automated reporting to COD. In response to this finding, this campus has completed the following actions as of 12/31/2019: This campus developed automated file download for the month end exceptions and implemented procedures to review exceptions monthly to ensure that exception reports are handled timely and for multiple academic years. The fiscal unit of Financial Aid and Scholarships does the monthly reconciliation/exception review.

There was significant staff turnover during the 2018-2019 academic year at the third campus resulting in procedures being misunderstood and not consistently followed causing the three untimely and two incorrect calculations. In response to this finding, this campus has completed the following actions: In August of 2019 additional resources were added to provide training and support to the processing staff. Procedures were updated as of 12/19/2019 to include additional regulatory information regarding the processing deadlines for the various student populations. In addition, the Compliance Officer at this campus has implemented an additional quality review. The under-refunded amounts were returned to the Department of Education.

University of California

Summary Schedule of Prior Audit Findings and Status

Year Ended June 30, 2020

2019-003 Enrollment Reporting

Cluster: Student Financial Assistance

Sponsoring Agency: Department of Education

Award Name/CFDA Title: Federal Pell Program; Federal Direct Loans, Federal Perkins Loans

CFDA Numbers: 84.063, 84.268, 84.038

Award Year: 2018 - 2019

Condition

In testing the University's conformity with the compliance requirements for enrollment reporting, PwC sampled 100 students across four campuses. Through this testing, the following items were noted:

- 5 of the students were not reported timely to the National Student Loan Data Systems (NSLDS). These selections ranged from 4 to 96 to days late and pertained to one campus.
- For 8 out of the 100 students sampled (including the 5 above), their change in status was not reported to the National Student Loan Data Systems (NSLDS) correctly or at all. The additional 3 selections related to two campuses.

PwC Recommendation

We should review the data included on the NSLDS website periodically to confirm that the information is accurate and correct the students identified to make sure proper status is reflected.

Actions Taken

Three campuses were affected by this finding. At the first campus, the Registrar's Office electronically submitted the five untimely status changes to National Student Clearinghouse (NSC) before the required timeframe but after the original reporting of student status to NSC. However, in order to have these status changes made properly, NSC would need to be contacted directly and asked that the changes be made to manually update the NSLDS data. The Financial Aid and Scholarship Office implemented a process to start reviewing NSLDS data on a monthly basis by sampling a set of students with status changes to ensure timely corrections.

While the enrollment and degree information was reported timely to NSC at the second campus, NSLDS did not receive the update for two instances because these students completed multiple majors and minors. This combination prevented these students from having their NSC enrollment status updated through the automated processes. Both students were updated manually on NSLDS. In response to this finding, this campus completed the following actions beginning in January, 2020: degree verify submissions by instating a process to determine the students whose degree completion status had been updated to NSC but had not had their enrollment history status updated in NSLDS. These records are manually updated to ensure timely reporting.

Typically, all graduated students, regardless of their enrollment status, would be updated as graduated once the Registrar sends a Degree Verify file students to NSC. This file lists all graduated students that NSC uses to update the enrollment status from their current state to graduated. However, in this one unreported instance at the third campus the status of this student didn't change to graduated. In response to this finding, this campus completed the following actions: to ensure all students with graduated status are reported to NSLDS, this campus added a step to review the exception list in NSC for cases that did not receive the correct status and created a Graduates Only file to correct any exceptions beginning on the March 2020 reporting.

University of California

Summary Schedule of Prior Audit Findings and Status

Year Ended June 30, 2020

2019-004 –Disbursements to and on Behalf of Students - Notifications

Cluster: Student Financial Assistance

Sponsoring Agency: Department of Education

Award Name/CFDA Title: Federal Direct Loans, TEACH Grant Program

CFDA Numbers: 84.268, 84.379

Award Year: 2018 – 2019

Condition

In testing the University's conformity with the compliance requirements for Federal Loan disbursements, PwC selected 100 students across four campuses who received Federal Loan disbursements during the year. For each student, they tested that the student received the notification of the loan and the borrower's right to cancel all or part of the disbursement for each disbursement made during the year. While reviewing the notifications sent at one of the campuses, it was determined that no notifications were sent for any student for the summer term at that one campus. All students received the notification in a timely manner for other terms.

PwC Recommendation

We should implement a secondary review on the setup of batch notifications during a system implementation to ensure they are configured to send out all required information and notifications. Additionally, during the first year of implementation, we should review to ensure notifications were sent as expected after each batch is released.

Actions Taken

The affected campus implemented a new Student Aid Management system during the Fall 2018 quarter. During this system implementation, the right to cancel notifications for a batch of students' financial aid types were not correctly linked preventing these notices from going out for the summer. The program was corrected in December 2019. To ensure those notifications are sent within the required period of time beginning with the Summer 2020 quarter the Financial Aid and Scholarships Office implemented a process where a batch notification setup review is completed. This office completed the review process for that batch by July 31, 2020.



OFFICE OF THE EXECUTIVE VICE PRESIDENT—
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MANAGEMENT'S VIEWS AND CORRECTIVE ACTION PLAN REPORT ON AUDIT OF FINANCIAL STATEMENTS AND ON FEDERAL AWARD PROGRAMS IN ACCORDANCE WITH 2 CFR 200, *UNIFORM GUIDANCE*, FOR THE YEAR ENDED JUNE 30, 2020

2020-001 – IT General Controls for Retirement System (Significant Deficiency)

The University was aware of these issues and brought them to the attention of the external auditors. Access to the system is approved by the University, and changes to the system follow the software development life cycle with involvement and approvals by the University before a change is made to the production system. The vendor has agreed to obtain a SOC 1 Type 2 report for the period April 2020 through March 2021, to provide sufficient coverage of the next fiscal year. The University will continue to perform compensating controls until the vendor provides a SOC 1 Type 2 report that meets the University's standards. These periodic reviews will include checking changes made by users having production writing access for data fixes and for code changes to verify that the changes released to production were approved by University. For inquiries regarding this finding, please contact Cheryl Lloyd at (510) 987-9289 who is responsible for the corrective action.

2020-002 – Federal Equipment Listing Completeness and Accuracy

Cluster: Research & Development

Sponsoring Agency: Various

Award Name: Various

Award Number: Various

CFDA Title: Various

CFDA Number: Various

Award Year: 2019 - 2020

Management agrees with the finding related to the timely communication of disposals and other changes to the equipment inventory. To address these deficiencies, the training tools are being enhanced to improve access to policies and procedures and to provide guidance on compliance obligations by September 30, 2021. Additional training will be provided to principal investigators and other grant personnel focusing on the policies and procedures around federal equipment management by June 30, 2021. Management is committed to taking the necessary steps to address these items in order to achieve consistent and coordinated compliance across the University. For inquiries regarding this finding, please contact Nickolaus Lekovich at (858) 534-4951 and Ellyn McCaffrey at (415) 476-0829 who are responsible for the corrective actions.

2020-003 - Subrecipient Risk Assessment and Ongoing

Cluster: Research & Development

Sponsoring Agency: Defense Advanced Research Projects Agency (DARPA)

Award Name: NTERfering and Co-Evolving Prevention and Therapy (INTERCEPT)

Award Number: HR0011-17-2-0027

CFDA Title: Research and Technology Development

CFDA Number: 12.910

Award Year: 2019 – 2020

The affected campus enhanced their existing electronic systems to track subrecipient risk assessment and ongoing monitoring and oversight effective May 1, 2020. The Office of Sponsored Research management will perform staff training on the system, and will perform periodic review of records to ensure subrecipient risk assessments, and ongoing monitoring and oversight are occurring. Communication and training on compliance with these requirements began in April 2021 and will be completed by June 30, 2021. For inquiries regarding this finding, please contact Ellyn McCaffrey at (415) 476-0829 who is responsible for the corrective actions.

2020-004 - Section 18004(a)(1) Student Aid Portion Quarterly Public Reporting

Cluster: Not applicable

Sponsoring Agency: US Department of Education

Award Name: CARES Act Emergency Relief Funds - Student Awards

Award Number: P425E200169

CFDA Title: COVID-19 - Education Stabilization Fund

CFDA Number: 84.425E

Award Year: 2019 - 2020

The affected campus will be implementing an internal control whereby the Financial Aid & Scholarship Office System Analyst will post the public reporting as prescribed by the sponsoring agency. Following a review by the Associate Director for Systems, the Financial Aid & Scholarship Office Director will confirm the posted information is documented as prescribed by the sponsoring agency. This internal control will be implemented for the June 30, 2021 quarter public reporting period and completed by July 10, 2021. Reports from July 1, 2020 to December 31, 2020, were documented by communicating figures and posting dates by email; future documentation will include a dated printed copy of the webpage. For inquiries regarding this finding, please contact Nickolaus Lekovich at (858) 534-4951 who is responsible for the corrective action.

DocuSigned by:

Danielle E. Powers

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