



UNIVERSITY OF CALIFORNIA

Michael V. Drake, MD
President

December 22, 2020

Office of the President
1111 Franklin St.
Oakland, CA 94607

universityofcalifornia.edu

The Honorable Holly J. Mitchell
Chair, Joint Legislative Budget Committee
1020 N Street, Room 553
Sacramento, California 95814

CAMPUSES

- Berkeley
- Davis
- Irvine
- UCLA
- Merced
- Riverside
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Dear Senator Mitchell:

Pursuant to Item 6440-001-0001 of the 2018 Budget Act, Provision 2.2(d), enclosed is the University of California’s annual report to the Legislature on *Psychiatry Graduate Medical Education (GME) and Expansion of Telemedicine University of California, Riverside*.

If you have any questions regarding this report, Associate Vice President David Alcocer would be pleased to speak with you. David can be reached by telephone at (510) 987-9113, or by e-mail at David.Alcocer@ucop.edu.

Sincerely,

Michael V. Drake, MD
President

MEDICAL CENTERS

- Davis
- Irvine
- UCLA
- San Diego
- San Francisco

Enclosure

NATIONAL LABORATORIES

- Lawrence Berkeley
- Lawrence Livermore
- Los Alamos

- cc: Senate Budget and Fiscal Review
The Honorable Richard D. Roth, Chair
Senate Budget and Fiscal Review Subcommittee #1
(Attn: Ms. Anita Lee)
(Attn: Ms. Jean-Marie McKinney)
The Honorable Kevin McCarty, Chair
Assembly Budget Subcommittee #2
(Attn: Mr. Mark Martin)
(Attn: Ms. Carolyn Nealon)
Mr. Hans Hemann, Joint Legislative Budget Committee
Ms. Erika Contreras, Secretary of the Senate
Ms. Amy Leach, Office of the Chief Clerk of the Assembly
Mr. Jeff Bell, Department of Finance
Mr. Chris Ferguson, Department of Finance

Ms. Rebecca Kirk, Department of Finance
Mr. Gabriel Petek, Legislative Analyst Office
Ms. Jennifer Pacella, Legislative Analyst Office
Mr. Jason Constantouros, Legislative Analyst Office
Provost and Executive Vice President Michael Brown
Executive Vice President and Chief Financial Officer Nathan Brostorm
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UNIVERSITY OF CALIFORNIA

Psychiatry Graduate Medical Education (GME) and Expansion of Telemedicine University of California, Riverside

This report is submitted by the University of California (UC) in response to language contained in the 2018 Budget Act, which states:

“(d) Until funds appropriated as identified in this provision are expended, the University of California shall annually report to the Legislature, by January 1 of each year, (1) a list of grant recipients each year, (2) the amount awarded to each grantee, (3) the growth in residency positions as a result of the grant program, (4) employment information on grant-supported residents a few years after completing the program for the purpose of gauging whether the funded slots resulted in more physicians in areas of high need, and (5) the type of services provided.”

State funding in the amount of \$15 million was allocated to UC in the Budget Act of 2018 to support the expansion of accredited psychiatry residency programs that utilize telemedicine in a UC school of medicine without a medical center. UC Riverside’s School of Medicine is the only UC medical school that qualifies to receive these funds, as it does not own or operate a medical center.

As noted in last year’s report, one year is typically required to coordinate the expansion of a residency program. The national accrediting body for residency programs, the Accreditation Council for Graduate Medical Education (ACGME), must approve the expansion. In addition, medical students in the United States participate in a formal postgraduate residency “Match” process, which is conducted by the National Resident Matching Program (NRMP). Individuals are accepted (i.e., matched) into a residency training program in the spring, with the start of the residency typically beginning on July 1.

The new funding provided in the Budget Act allowed the School to begin expanding the program starting in July 2019 and laying the foundation for future growth. This report details activities, services provided, and expenditures for the UC Fiscal Year (FY) 2019-20.

I. Introduction and Background

Established in 2013, the University of California, Riverside School of Medicine (UCR SOM) aims to expand the physician workforce in the Inland Empire and improve the health of people living in the region. Composed of Riverside and San Bernardino counties, the Inland Empire has the greatest shortage of primary care and specialist physicians of any region in California, according to the California Health Care Foundation. This shortage includes psychiatrists; in

Riverside County, there are only an estimated 5.29 psychiatrists per 100,000 people, compared to the statewide average of 14.47. Ratios for psychologists, licensed clinical social workers, and marriage and family therapists also fall substantially below the California average.

The UCR SOM has employed an array of strategies to address these healthcare challenges, including the creation of new Graduate Medical Education (GME) programs in high-need medical specialties such as general psychiatry and child and adolescent psychiatry. UCR's GME programs currently enroll more than 100 resident physicians and fellows in partnership with area hospitals.

With the support of the \$15 million provided in the 2018 Budget Act and sustained funding commitments from affiliate partners, including the Hazelden Betty Ford Center and Eisenhower Health, UC Riverside Psychiatry successfully launched an ACGME-accredited Addiction Medicine Fellowship in July 2020. This new fellowship program will train two addiction specialist physicians annually in the underserved Coachella Valley. These fellows are providing care and receiving training at the Desert AIDS Project and the Desert Comprehensive Treatment Center.

With support from the \$15 million in State funds, the UCR School of Medicine will continue to expand mental and behavioral health services in underserved and rural areas of California, as described below.

II. Growth in Psychiatry GME and Expansion of Telepsychiatry Services to Rural and/or Underserved Populations of California

- A. Expansion of the core residency and fellowship programs: The UCR SOM Psychiatry Residency Program began in July 2014 with four first-year psychiatry residents. Thanks in part to additional State support, the residency program in 2020-21 has expanded enrollment to 34, which includes 28 psychiatry residents, four child and adolescent psychiatry fellows, and two addiction medicine fellows. UCR SOM Psychiatry plans to add four more trainees in 2021-22 .

UCR has joined several clinical training partners in rural, underserved Coachella Valley and Morongo Basin to facilitate the future growth of psychiatry GME and telemedicine practice. These partners include the Desert AIDS Project, the Neurovitality Center, Acadia Indio Behavioral Health Hospital, Clinicas De Salud del Pueblo, the Morongo Basin Healthcare District, and the Desert Healthcare District. These new affiliations will allow UCR SOM Psychiatry to apply to the ACGME this academic year for growth through the Rural Training Track program. The Rural Training Track program provides an opportunity for urban and rural hospitals to partner with nonhospital clinical settings to form residency programs that promote rural care. This expansion would result in four additional trainees in the core psychiatry residency program and two additional learners in the child and adolescent fellowship by 2022-23.

UCR continues to lay the foundation for the development of additional psychiatry fellowship GME programs in Consultation and Liaison Psychiatry, Forensic Psychiatry, and Geriatric Psychiatry. These additions will establish a comprehensive psychiatry GME training program that will foster a pipeline of students and residents who complete their training in the underserved communities of inland Southern California. UCR SOM Psychiatry is successfully recruiting a diverse, culturally competent psychiatric physician workforce that reflects the population.

Since 2018, the UCR SOM Psychiatry Residency Program has expanded by eighteen training slots with the support of the State funding. It is expected that further expansion efforts will support at least forty-seven residents by the end of 2022-23. See Display 1 below for details.

Display 1: Actual and Planned Growth in Residency Positions

	2017-18 (Actual)	2018-19 ¹ (Actual)	2019-20 (Actual)	2020-21 (Actual)	2021-22 (Planned)	2022-23 (Planned)	Total New Training Slots
General Psychiatry Residency	14	18	24	28	32	36	22
Child/Adolescent Fellowship	2	4	4	4	4	6	4
New Consultation/Liaison Fellowship						1	1
New Forensic Fellowship						1	1
New Addiction Fellowship				2	2	2	2
New Geriatric Fellowship						1	1
Total Residents	16	22	28	34	38	47	31

1) 2018-19 first partial year of new funding.

- B. Sustainable funding for GME expansion: UCR SOM Psychiatry has identified sustainable funding for GME expansion once the \$15 million in State support is expended. Funding sources include clinical revenue generation via telepsychiatry services, Centers for Medicare & Medicaid Services (CMS) funds via affiliate hospital partners, and Veterans Administration (VA) GME funds via existing partners, including the Loma Linda VA and Long Beach VA Healthcare Systems. UCR will grow GME via the Veterans rural clinics in underserved regions of the state.

- C. Program graduates and employment locations: Based on UCR School of Medicine’s experience with recent graduates, it is expected that most State-funded graduates will remain in the Inland Empire. FY2020 was the first year that the four program graduates all received partial salary support in their final year of the program. Seventy-five percent of these graduates were employed in Inland Southern California as of this writing (see Display 2 below).

Display 2: Employment Locations of UCR Psychiatry Resident and Fellowship Graduates

	2019	2020¹
General Psych Residency		
Total Graduates	1	2
% employed in Inland Empire or other area of high need	100%	50% ²
Child/Adolescent Fellowship		
Total Graduates	2	2
% employed in Inland Empire of other area of high need	100%	0%

1) All 2020 program graduates received partial salary support from the State grant.

2) One resident who had been on parental leave completed the program in September 2020, and has not selected a permanent position as of this writing.

D. Extension of the medical school’s telepsychiatry services: In FY2019-20, the UCR School of Medicine expanded the reach of its telepsychiatry services to eight new clinical locations through partnerships with Clinicas de Salud del Pueblo (Hemet, Mecca, Brawley, Calexico, Coachella, and El Centro) and the Riverside-San Bernardino Indian Health Services, Inc. (San Manuel and Soboba).

When many in-person clinics closed in March 2020 due to the COVID-19 pandemic, telepsychiatry services remained intact. From March through June 2020, over 95% of all psychiatry patient visits were seen through telepsychiatry. The availability of telepsychiatry has allowed for an additional 691 patient visits (37% increase) compared to the same period in 2019.

E. Deployment of a mobile treatment unit to reach uninsured and unserved patient populations: The School is continuing to explore and evaluate opportunities to partner with existing community organizations in order to develop a sustainable model for expanding access to care for these vulnerable populations.

III. Program Expenditures

In FY2019-20, the UCR School of Medicine expended \$1.1 million of the \$15 million in State funds. This spending supported the leadership and administration of the grant, and identified and secured partners for expansion. It also expanded resident trainee’s exposure to telepsychiatry through new teaching services and directorships. In addition, funds were used to support portions of resident salaries that were not covered by affiliation agreements with partners or other sources. See Display 3 for more details.

Display 3: Residents/Fellows funded by State, 2019-20

Program	# of Grant Recipients	Avg. % of Salary Funded by State	Total Funding (\$)	Avg. Funding per Recipient
General Psychiatry Residency	9	19%	\$144,447	\$16,050
Child/Adolescent Fellowship	6	15%	\$83,592	\$13,932

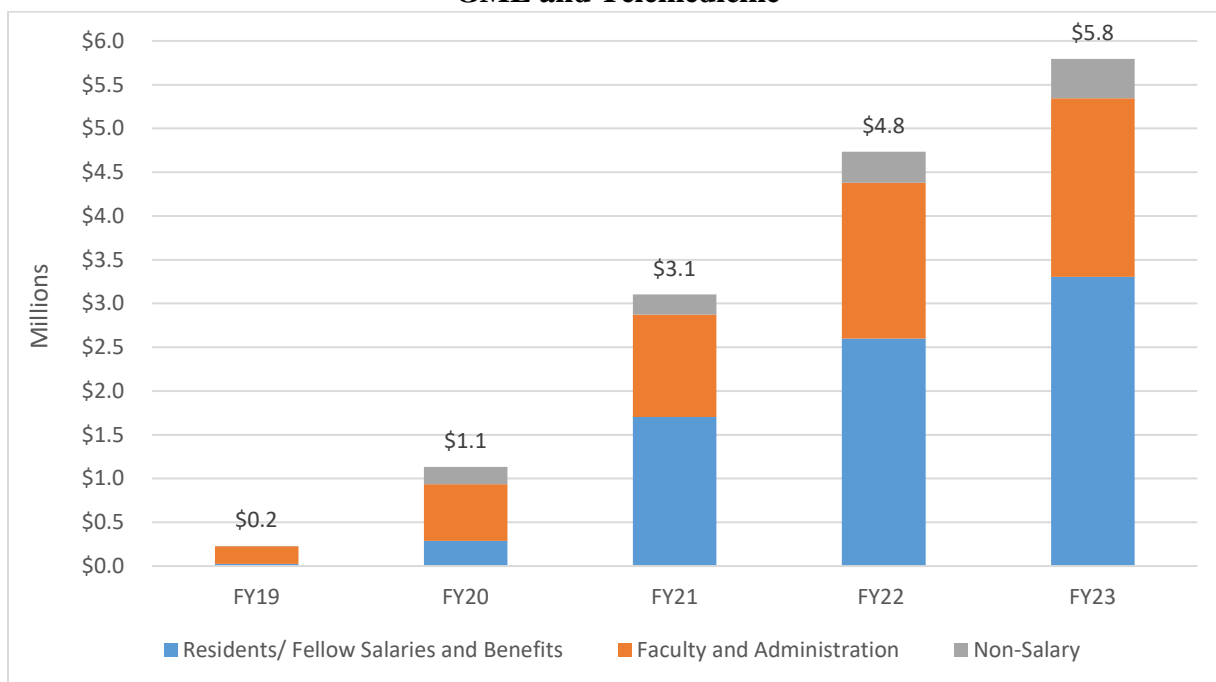
The School also applied funds to expand the number of faculty dedicated to teaching. In FY20, 18 faculty members' salaries were partially State-funded. On average, State funding supported partial salary coverage of \$28,447 per faculty member and academic stipends of \$23,541 per faculty member in FY20. See Display 4 for details.

Display 4: Faculty Expenses funded by State, 2019-20

	# of Faculty members covered	Total Funding (\$)	Avg. Funding per Faculty member (\$)
Partial salary coverage	18	\$512,045	\$28,447
Academic stipends covered	16	\$376,654	\$23,541

UCR School of Medicine will continue to invest in telepsychiatry equipment and other non-salary program expenses. Total expenditures over the next several years are estimated in Display 5, below.

Display 5: UCR School of Medicine - Planned Expenditures for Growth of Psychiatry GME and Telemedicine



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