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December 9, 2019

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

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, *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 email at David.Alcocer@ucop.edu.

Yours very truly,

A handwritten signature in black ink, appearing to read "Janet Napolitano".

Janet Napolitano
President

Enclosure

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)

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The Honorable Kevin McCarty, Chair
Assembly Budget Subcommittee #2
(Attn: Mr. Mark Martin)
(Attn: Ms. Carolyn Nealon)
Ms. Jennifer Troia, Joint Legislative Budget Committee
Ms. Erika Contreras, Secretary of the Senate
Ms. Tina McGee, Legislative Analyst's Office
Ms. Amy Leach, Office of the Chief Clerk of the Assembly
Mr. E. Dotson Wilson, Chief Clerk of the Assembly
Mr. Jeff Bell, Department of Finance
Mr. Chris Ferguson, Department of Finance
Ms. Rebecca Kirk, Department of Finance
Ms. Tina McGee, Legislative Analyst's Office
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
Interim Executive Vice President and Chief Financial Officer Paul Jenny
Senior Vice President Claire Holmes
Executive Vice President Carrie L. Byington, M.D.
Vice President Cathryn Nation
Associate Vice President David Alcocer
Associate Vice President and Director Kieran Flaherty
Chief of Staff to the Chief Financial Officer Brad Werdick
Manager Jennifer Brice

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 since it does not own or operate a medical center. As noted last year, typically, it requires at least a year to coordinate expansion of a residency program. The national accrediting body for residency programs, the Accreditation Council for Graduate Medical Education (ACGME), must approve the increase, and in the United States, medical students 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 expansion of the program starting in July 2019 and to lay the foundation for future growth. This report details activities, services provided, and expenditures for the UC Fiscal Year (FY) 2018-19. Due to the fact that this report covers only the first year of funding, it is not possible to directly respond to all of the specific items requested in the 2018 Budget Act. Future UC legislative reports will provide the information requested as it becomes available.

I. Introduction and Background

Opened in 2013, the School of Medicine at the University of California, Riverside (UCR)’s mission is to expand the physician workforce in the Inland Empire and improve the health of people living in the region. Comprised 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. With regard to mental and behavioral health, psychiatrists are in very short supply. For instance, 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 fall substantially below the California average.

The UCR School of Medicine has employed an array of strategies to address these healthcare challenges, including creation of new Graduate Medical Education (GME) programs in high need medical specialties in partnership with area hospitals, and through participation in other new programs initiated by hospital partners. Graduate Medical Education programs sponsored by the medical school currently enroll more than 100 resident physicians and fellows. These programs include a general psychiatry residency training program and a fellowship in child and adolescent psychiatry – both embedded in Riverside County’s mental and behavioral health system.

With support from the \$15 million in State funds, the University of California, through the UCR School of Medicine, is expanding mental and behavioral health services in underserved and rural areas of Inland Southern California (Riverside, San Bernardino and Imperial counties), as described below.

II. Graduate Medical Education in Psychiatry and Telepsychiatry, Growth in Residency Positions, and Type of Services Provided

- A. Expansion of current core residency and fellowship programs: Beginning in July of 2019, the UCR School of Medicine accepted a class of eight general psychiatry residents, expanding from a class size of six residents per year. Consistent with this growth, the UCR School of Medicine received permission in October 2019 from the ACGME to expand its total complement of residents in the four-year general psychiatry residency program from 24 to 32. This will allow the general psychiatry residency to continue to accept eight residents/year going forward, and this will result in a minimum of eight additional trainees over the course of the next four years of the funded plan. It is possible that UCR may be able to expand the general residency further in the fourth year. In addition, the UCR School of Medicine will begin to expand psychiatry fellowship programs in July 2021. Three new fellowships will be established in consultation/liaison psychiatry, forensic psychiatry, and addiction psychiatry – each taking one fellow the first year. The School will also expand the existing child/adolescent psychiatry fellowship by two slots in July 2021. In total, it is expected that these efforts will yield 31 additional trainees by the end of the funding period as set forth below:

Annual Growth in Psychiatric Residents and Fellows 2019-2023

	2019-20	2020-21	2021-22	2022-23	Total
General Psychiatry Residency	2	2	2	4	10
Child/Adolescent Fellowship			2	2	4
Consultation/Liaison Fellowship		1	2	2	5
Forensic Fellowship		1	2	2	5
Addiction Fellowship		1	2	2	5
Geriatric Fellowship			1	1	2
Total	2	5	11	13	31

- B. Discussions are underway with a number of partners including Desert Regional Hospital, Pioneers Memorial Hospital, the Betty Ford Center and two new facilities to be built in the Coachella Valley – a behavioral health facility to be run by Acadia Healthcare and the Coachella Valley Medical Center in Indio. These partnerships will allow UCR School of Medicine to expand the clinical training platform to accommodate the increased number of resident and fellow trainees, while also expanding access in these underserved areas. The School is also in the process of identifying and hiring faculty to support the expansion of fellowship programs in addiction medicine, forensic psychiatry, and consultation/liaison psychiatry. The UCR School of Medicine also secured additional teaching faculty for the general psychiatry residency program. It is anticipated that these programs will be sustained with newly identified funding sources once the State funding sunsets as of June 30, 2023.
- C. Program graduates and employment locations: It is too early for the UCR School of Medicine to report on employment locations for grant-supported residents and fellows. The first general psychiatry residents will complete their four-year training in FY 2022-23, and the fellows that will be added in FY 2020-21 will spend one to two years in training depending on the program. However, based on UCR School of Medicine's experience with graduates of its existing program, it is expected that most will remain in the Inland Empire. In June of 2019, the UCR School of Medicine graduated three physicians from its GME programs in psychiatry, including one resident in general psychiatry and two fellows in child/adolescent psychiatry. All three of these individuals have remained in southern California, two are employed at Riverside University Health System and one is completing further specialty training at UCLA with the intention to return to practice in the Inland Empire.
- D. Extension of the medical school's telepsychiatry services: In FY 2019-20, 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 and the Riverside-San Bernardino Indian Health Services, Inc. in the following locations:

Clinicas de Salud del Pueblo: Hemet, Mecca, Brawley, Calexico, Coachella, and El Centro
Riverside-San Bernardino Indian Health Services: San Manuel and Soboba

While these services are still ramping up, they are currently providing access for an additional 80-100 new patients per month.

- 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 on this initiative in order to develop a sustainable model for expanding access to care for these vulnerable populations.

III. Program Expenditures

In FY 2018-19, the UCR School of Medicine expended \$231,318 of the \$15 million in State funds. This reflects spending to secure the leadership and administration of the grant to identify and secure partners for expansion, as well as teaching services and directorships to expand resident trainee's exposure to telepsychiatry. The School has applied funds to expand the number of faculty dedicated to teaching. Going forward, as the UCR School of Medicine continues to grow the resident and fellow programs, it will be investing in resident and fellow salaries and benefits (at an estimated \$80,000 - \$95,000 per year per trainee). In addition, funds will be applied to cover a portion of the fellowship director salaries and administrative costs for the new programs as they come on line. UCR School of Medicine will also continue to invest in telepsychiatry equipment and other non-salary program expenses. Total expenditures over the next several years are estimated as follows:

