Medical Education in California

An Overview of Recent Activities

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Medical Education in California

- California has a relatively small medical education system when compared to the size of its population and geography.
- On a per capita basis, California has a statewide medical school enrollment that is the third lowest in the nation (18.4 students per 100,000 population, by contrast to a median of 30.3).
- There are approximately 7,000 students enrolled in California's now 12 medical schools.

Public and Private Medical Schools

Public (MD Granting)
UC Davis
UC Irvine
UC Los Angeles
UC Riverside
UC San Diego
UC San Francisco

Private (MD Granting)
Loma Linda University
University of Southern California
Stanford University
California Northstate University*

Private (DO Granting)
Touro University
Western University of Health Sciences

**First accredited for-profit allopathic medical school in the U.S.*

UC Medical Schools

- The University of California system plays a major role in medical education.
- UC trains more than 3,000 medical students at its six Schools of Medicine and approximately 5,000 medical residents and fellows, or nearly half of the state's total.
- Medical students and residents, together make up roughly two-thirds of all UC health sciences students.

The National GME Accrediting Body

- The Accreditation Council for Graduate Medical Education (ACGME) is responsible for the accreditation of GME programs throughout the U.S.
- 27 ACGME-accredited specialty programs that lead to initial board eligibility and certification.
- Roughly 100 accredited subspecialty programs recognized by the ACGME.

CA GME Programs: By the Numbers

There are 878 ACGME-accredited residency training programs in California.

- 375 Specialty Programs (8,800 Residents)
- 503 Subspecialty Programs (2,100 Fellows)

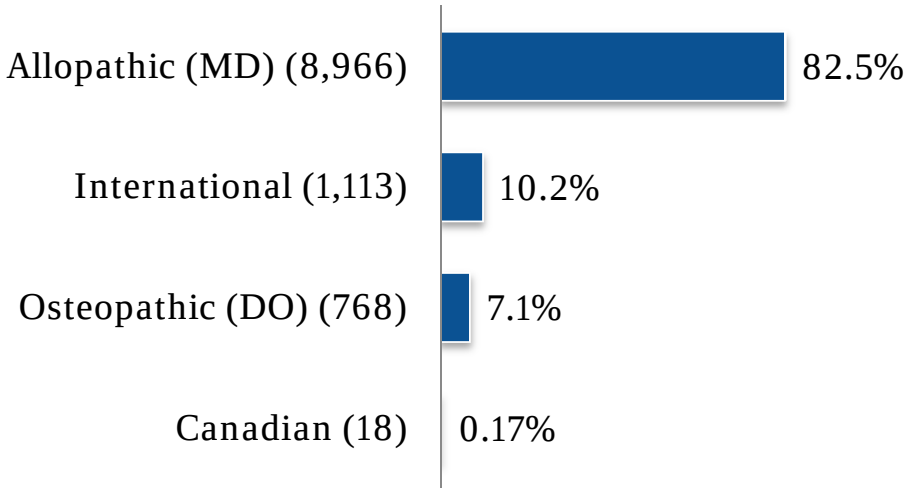
These programs are run by 84 different sponsoring institutions.

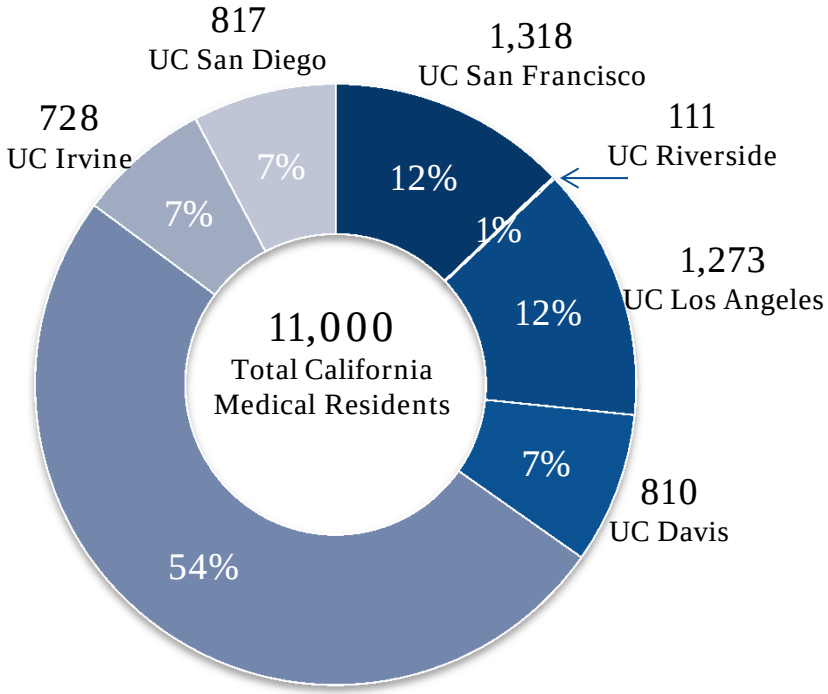
Major sponsors of GME include:

- UC medical schools/medical centers
- Private CA medical schools/medical centers
- Kaiser Permanente
- Children's Hospitals
- Community-Based Programs

Medical Residents in California, 2015-16

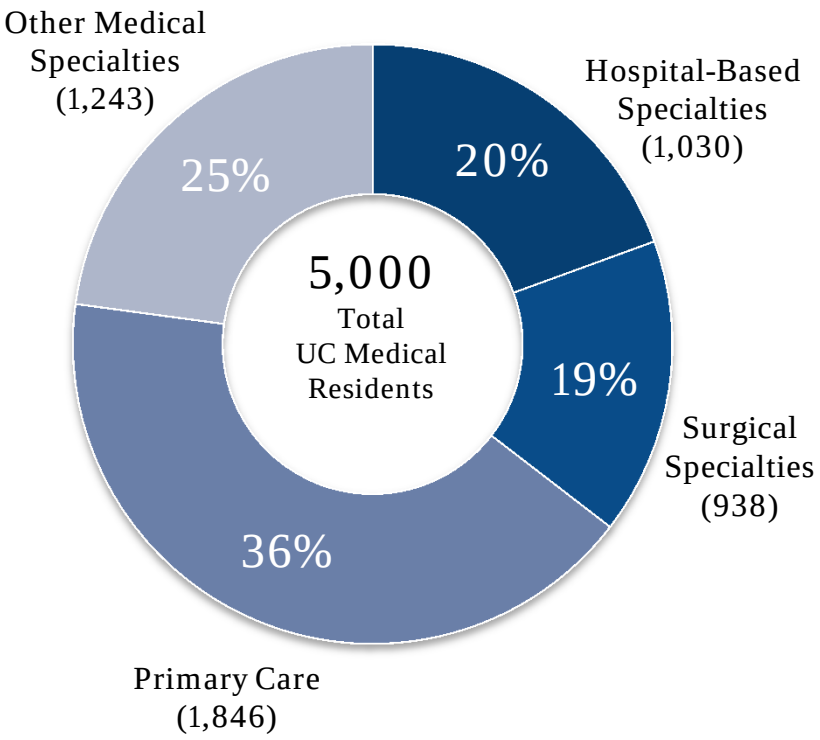
There are nearly 11,000 medical residents and fellows enrolled in California's residency training programs.





UC GME Enrollment for 2015-16

There are roughly 5,000 residents enrolled in UC-sponsored residency and affiliated family medicine programs – or nearly half of California's total.



Return on Investment for California

- California ranks first in the nation with the highest retention rates:
  - Percent of physicians retained in state from GME (69.8%)
  - Percent of physicians retained in state from undergraduate medical education (62.7%)
  - Percent of physicians retained in state from public UME (i.e., graduated from UC) (68.3%)

Challenges for GME

- Fiscal
- Workforce
- Access to GME training
- Resident well-being

Recent UC Medical Education Initiatives

- UC Davis:
  - Innovative educational tracks that supplement the core curriculum:
    - Accelerated Competency-Based Education in Primary Care (ACE-PC)
    - Valley PRIME program with UC Merced and UCSF Fresno
    - Transforming Education and Community Health in Medical School (TEACH-MS)
- UC Irvine:
  - Integrated, Technology-Enhanced, Activity-Coordinated, Humanistic (iTEACH) pre-clerkship curriculum
- UC Los Angeles:
  - Pathways Program
  - Dean's Leadership in Health and Science Scholarship

Recent UC Medical Education Initiatives

- UC Riverside:
  - Establishment of a new UC School of Medicine, which received provisional accreditation in June 2015 and has enrolled a total of 150 students in the first three years of medical school. UCR will welcome 60 new medical students this fall.
- UC San Diego:
  - New global health and clinical research academic tracks
  - Integrated curriculum emphasizing how basic science applies to clinical medicine
- UC San Francisco:
  - Bridges Curriculum – a new curriculum integrating the student into a healthcare team and emphasizing team-based training to address health disparities

Recent UC GME Initiatives

- Some increases in total UC GME positions (but with no federal or state support).
- Development of GME programs for UC Riverside in partnership with regional, county and community hospitals.
- Co-sponsorship of legislation in 2012, AB 155 (Mitchell) to support the UCLA International Medical Graduate Pilot Program.

Ethics Training and Discipline

- UC is dedicated to training ethical, professional physicians.
- Programs use a variety of tools to assess, educate and evaluate applicants, students and residents including:
  - Admissions processes that considers information from letters of recommendation and uses the interview to ask questions about ethical challenges and strategies
  - Professionalism and ethics curricula
  - Grading based on specific and observable performance-based attitudes
  - Continuous assessment by peers and supervisors, including 360 reviews

Ethics Training and Discipline

- When ethical lapses are reported or flagged, programs use disciplinary committees to evaluate and recommend remediation or other penalties.
- In the event of significant ethical lapses or failure to complete remediation, students and residents can be dismissed.

Looking Forward

- Increasing focus on health care quality and outcomes
- Increasing emphasis on institutional accountability
- Expanding use of health technologies
- Advancements in tele-health
- Development of new models of care
- Potential new funding for GME as part of a possible ballot initiative in 2016

UC GME Financing

- UC received roughly $100,000 in GME payments for each position – $208 million in FY 2013.
- Total costs to train a resident averages nearly $150,000 annually.
- With few exceptions, Medicare caps (established by Congress in 1997) have not changed.
  - Medicare-funded slots for UC residents: 2,151
  - UC Slots over the Medicare cap: 377
  - Over-the-cap costs to UC: approximately $31 million