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

<table>
<thead>
<tr>
<th>Public (MD Granting)</th>
<th>Private (MD Granting)</th>
<th>Private (DO Granting)</th>
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<tbody>
<tr>
<td>UC Davis</td>
<td>Loma Linda University</td>
<td>Touro University</td>
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<td>UC Irvine</td>
<td>University of Southern California</td>
<td>Western University of Health Sciences</td>
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<td>UC Los Angeles</td>
<td>Stanford University</td>
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<td>UC Riverside</td>
<td>California Northstate University*</td>
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<td>UC San Diego</td>
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<td>UC San Francisco</td>
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*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 GMEAccrediting 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.

- Allopathic (MD) (8,966) 82.5%
- International (1,113) 10.2%
- Osteopathic (DO) (768) 7.1%
- Canadian (18) 0.17%

Distribution of Medical Residents:

- UC Davis: 1,273
- UC Los Angeles: 1,273
- UC San Diego: 810
- UC San Francisco: 817
- UC Irvine: 728
- UC Riverside: 111

Total California Medical Residents: 11,000
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