In addition to conferring the Doctor of Medicine degree, the OU College of Medicine offers residencies and fellowships in numerous specialties and subspecialties:

- In Oklahoma City, 584 residents and fellows train in 62 accredited specialty and subspecialty programs.
- Oklahoma retains 51.6 percent of physicians who complete their residencies in state.
- In 2017, the OU College of Medicine had:
  - 13,781 applicants for 125 residency positions
  - 2,077 applicants for 48 fellowship positions
- Residency program coordinators continue to represent the College of Medicine by presenting professional development sessions at national meetings.
- The Graduate Medical Education Committee has formed a Resident Wellness subcommittee to develop a comprehensive wellness program focusing on the needs of residents. The Office of GME, along with the subcommittee, will achieve this by:
  - Working with the College of Medicine to identify existing campus resources and to develop resident-specific access portals.
  - Working with OU Physicians to develop OU Fit programs and other initiatives specifically focused on resident needs.
  - Working with state and national medical associations to identify resident-specific resources.
  - Raising concerns directly to departmental leadership.
  - Monitoring resident well-being through the Annual Program Review process and annual surveys.
- Through the Resident Council, residents have a participatory voice in the governance, management and policy setting of the College’s GME program. The College of Medicine, in conjunction with the OU Medical Center and the VA Medical Center, supports the Resident Council in its focus on five areas:
  - Education: Promoting high-quality educational experiences throughout the clinical education sites.
  - Patient Care: Assuring the delivery of good patient care by all resident physicians working under the full supervision of faculty members; and actively participating in the continual improvement of patient care.
  - Relationship Building: Enhancing communication and good working relationships between the College, affiliated institutions and residents; and enhancing and improving working relationships among residency programs and related hospital services.
  - Working Environment: Working with the College and affiliated institutions to address issues that affect the work environment, including resident call quarters, access to information and meal availability.
  - Well-Being: Focus on continuing the work started by the GMEC Resident Wellness subcommittee by hosting resident socials throughout the year, ensuring residents are aware of mental health resources on and off campus, forming intramural teams and creating a Resident Wellness Week.