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Introduction

Overview

The mission of the Accreditation Council for Graduate Medical Education (ACGME) is to improve health care and population health by assessing and enhancing the quality of resident and fellow physicians' education through advancements in accreditation and education. The collection and analysis of data is crucial to performing these functions. The ACGME's *Data Resource Book* contains the most recent data on ACGME-accredited Sponsoring Institutions and programs, and physicians in ACGME-accredited graduate medical education (GME) programs. The *Data Resource Book* is intended to be a concise reference for policymakers, designated institutional officials, GME program directors, and others to identify and clarify issues affecting the accreditation of GME programs and the institutions that sponsor them.

The ACGME continues to improve the *Data Resource Book* to describe the accreditation process in greater detail, and hopes it is a valuable resource for constituents. Feedback and suggestions are welcomed and valued. Send comments to databook@acgme.org.

Accreditation Data System

The ACGME's proprietary Accreditation Data System (ADS) is a web-based software system that contains critical accreditation data for all Sponsoring Institutions and programs. It is a tool to collect and organize information for accreditation purposes and serves as a means of communication between the ACGME and Sponsoring Institutions and programs. It is also used internally by the Department of Accreditation, Recognition, and Field Activities in conducting accreditation activities. ADS incorporates several applications and functions, including the Annual Update, Milestones reporting, Case Logs, Surveys, and the application for accreditation.

ADS was originally built by the Department of Applications and Data Analysis (now part of the Department of Information Services) in 2000 and went through a major redesign in 2012. During the redesign process, numerous disparate data systems were consolidated, and the underlying database structure was completely refactored. Resident records across programs were linked based on identifying information, and a single record was created at the database level for each individual. ADS, in this way, not only provides an annual look at every accredited Sponsoring Institution and program, but also serves as a system to track residents and fellows longitudinally throughout the course of their educational experience.

The ADS Annual Update is scheduled for Sponsoring Institutions and programs following the start of each academic year. At that time, programs must enter information on new residents/fellows, confirm the status of existing/graduating residents/fellows, and enter critical information regarding faculty members, scholarly activity, participating sites, and other major program changes. Sponsoring Institutions are also scheduled to participate and must respond to institutional review questions and update any personnel or participating site information. Capturing critical information at the start of the academic year allows the ACGME to facilitate the process of archiving Case Log procedures for graduating residents and fellows, schedule Milestones evaluations for all residents and fellows twice per academic year, and conduct the annual ACGME Resident/Fellow and Faculty Surveys. While the Annual Update occurs once a year, Sponsoring Institutions and programs are expected to keep their information up to date at all times. In this sense, ADS is currently the most comprehensive database of GME Sponsoring Institutions, programs, and physicians-in-training in the United States.

Academic Year Reporting

To create a comprehensive report on GME for the academic year, an annual snapshot of the database is taken at the end of each academic year, the results of which are summarized in this book. The trends shown here are based on the combination of these snapshots over time. This particularly affects the counts of withdrawn and newly accredited programs which may change following the publication of this report. The timing of the snapshot also affects the ACGME's ability to report on the graduating cohort, as this information is not fully available until after the fall Annual Update reporting is complete. It is for this reason that the graduates and residents/fellows leaving their programs are reported for the previous academic year (in this edition, the 2021-2022 academic year). Up-to-date information on individual Sponsoring Institutions and programs can be found on the ADS public website at https://apps.acgme.org/ads/public/. \wedge

Introduction

Definitions

The definitions listed below clarify use of terms in this Data Resource Book only. These reflect the 2022-2023 academic year, and not necessarily changes to ACGME definitions or data collection terms relative to revised requirements. Additional terms, and in some cases more comprehensive and current definitions of terms included here, are included in the ACGME Glossary of Terms, found on the ACGME website (https://www.acgme.org/about/policies-and-related-materials/).

Continuing GME Programs: Continuing GME programs are those available to physicians only after successful completion of a pipeline program.

Core Faculty: In specialty programs, core faculty are faculty members, who must have a significant role in the education and supervision of residents and must devote a significant portion of their entire effort to resident education and/or administration, and must, as a component of their activities, teach, evaluate, and provide formative feedback to residents.

Designated Institutional Official (DIO): The individual in a Sponsoring Institution who has the authority and responsibility for all of that institution's ACGME-accredited program.

Faculty Hours: Number of hours per week that a faculty member devotes to the program's activities in the following:

- Clinical supervision of residents Time spent supervising/watching residents/fellows during patient care activities. Includes bedside rounds, outpatient precepting, and operative supervision.
- Administration of the program Program oversight; curriculum development; faculty, resident, and program evaluation, career counseling.
- Research/scholarly activity with residents Mentoring and/or working with residents, peer-reviewed funding; publication of original research or review articles in peer-reviewed journals or chapters in textbooks; publication or presentation of case reports or clinical series at local, regional, or national professional and scientific society meetings, participation in national committees or educational organizations.
- Didactics/teaching with residents Lectures, simulation, case discussions, and preparation time for and participation in journal clubs, conferences, lectures, simulation, case discussions, and manuscript editing with residents.

International Medical Graduate (IMG): A graduate of a medical school outside the United States and Canada. IMGs may be citizens of the United States who chose to be educated elsewhere or non-citizens who are admitted to the United States by US Immigration authorities.

Osteopathic Recognition: A determination of substantial compliance with the published Osteopathic Recognition Requirements, following a process of evaluation and peer review.

Participating Site: An organization, institution, or facility providing educational experiences or educational assignments/ rotations for residents as part of an accredited program.

Post-Graduate Year 1 (PGY-1): Any graduate medical education position available to physicians immediately after their completion of medical school. These positions are also referred to as entry-level positions.

Pipeline Specialties: Specialties that lead to primary board certification. The net output of physicians over time from the graduate medical education system into clinical practice is determined by the number of positions available in pipeline specialties. See Appendix A.

Program: A structured educational experience in graduate medical education designed to conform to the Program Requirements of a particular specialty/subspecialty, the satisfactory completion of which may result in eligibility for board certification.

Program Director: The individual designated with authority and accountability for the operation of a residency/fellowship program.

Program Year: Refers to the current year of education (of an individual resident or fellow) within a specific program; this designation may or may not correspond to a resident's or fellow's post-graduate year.

Review Committee: A group comprised of volunteers that sets accreditation standards (requirements), provides peer evaluation of Sponsoring Institutions or programs to assess the degree to which these comply with the applicable published accreditation requirements, and confers an accreditation status on each Sponsoring Institution or program in its purview with regard to substantial compliance with those requirements. There are three types of Review Committee: specialty Review Committee, Transitional Year Review Committee, and Institutional Review Committee.

Resident: For the purposes of this publication only, this term is used to refer to any physician in a graduate medical education program, including both residents and fellows.

Sponsoring Institution: The organization (or entity) with ultimate financial and academic responsibility for one or more accredited graduate medical education programs, and that has the primary purpose of providing educational programs and/or health care services. Examples include a university, a medical school, a hospital, a school of public health, a health department, a public health agency, an organized health care delivery system, a medical examiner's office, a consortium, and an educational foundation.

Specialty Group: For analytic purposes, the grouping of specialties and subspecialties into one of four categories based on patient care focus: surgical; medical; hospital-based; and sponsor institution-based fellowship. See Appendix B.

Specialty Program: A structured educational experience in a field of medical practice following completion of medical school and, in some cases, prerequisite basic clinical education designed to conform to the Program Requirements of a particular specialty.

Subspecialty Program: A structured educational experience following completion of a prerequisite specialty program in graduate medical education designed to conform to the Program Requirements of a particular subspecialty area.

Withdrawal of Accreditation: The conclusion, whether voluntary or administrative, of accreditation status and services. See the *ACGME Manual of Policies and Procedures* for more details and specification. Decisions regarding withdrawal of accreditation may be made effective at any time during the academic year. Any program with a Withdrawal status effective prior to June 30, 2023 will be excluded from the count of accredited programs for Academic Year 2022-2023 in this edition of the *Data Resource Book*.

Program Accreditation

This section summarizes the accreditation statuses of currently accredited programs, as well as trends in the total number of accredited programs since the 2013-2014 academic year. This section also shows the pattern of accreditation statuses by specialty for all programs, newly accredited programs, and programs with loss of accreditation. Finally, the section includes information on the lengths of programs varying by specialty, as well as on programs that have achieved Osteopathic Recognition.

Accredited Programs by Status

Of the 13,066 total accredited programs, 11,688 (5,112 specialty programs and 6,576 subspecialty programs) had a status of Continued Accreditation, accounting for 89.5% of programs. Only 130 programs (1.0%) had a status of Continued Accreditation with Warning, and an even smaller number, 28 (0.2%), had a status of Probationary Accreditation. Remaining programs had a status of either Initial Accreditation (8.9%) or Withdrawal of Accreditation (0.4%). Among specialty programs, the specialties with the highest percentage of programs with a Continued Accreditation with Warning status are:

- Radiation oncology (7.8%)
- Colon and rectal surgery (5.9%)
- Urology (4.7%)
- Dermatology (4.2%)

Surgery had four programs issued Probationary Accreditation. Specialties with two or three programs on probation include emergency medicine, neurological surgery, neurology, obstetrics and gynecology, orthopaedic surgery, pediatrics, and psychiatry. Specialties and subspecialties with one program on probation include family medicine, hematology and medical oncology, internal medicine, pathology-anatomic and clinical, pediatric critical care medicine, plastic surgery, plastic surgery-integrated, radiology-diagnostic, and urology.

Trends in Accredited Programs

Since the 2018-2019 academic year, there has been a 11.8% increase in the total number of ACGME-accredited programs. This is primarily due to the transition to a single graduate medical education (GME) accreditation system. The following specialties had the highest five-year change in total number of programs:

- Interventional radiology independent (92)
- Family medicine (85)
- Internal medicine (82)

- Psychiatry (47)
- Emergency medicine (40)
- Surgery (40)

Newly Accredited Programs

A total of 401 programs were newly accredited during the 2022-2023 academic year. Of the newly accredited programs, 255 (63.6%) are in medical specialties and subspecialties, 78 (19.5%) are in hospital-based specialties and subspecialties, 66 (16.5%) are in surgical specialties and subspecialties, and two (0.5%) are in sponsor institution-based fellowship. The specialties with the highest number of newly accredited programs are:

- Family medicine (39)
- Internal medicine (32)
- Surgery (11)
- Transitional year (10)

Neurocritical care (multidisciplinary), pediatric cardiac anesthesiology, pediatric dermatology, gastroenterology, and sport medicine had the highest number of new programs among all subspecialties, with 28, 15, 12, 10, and 10 programs, respectively, accounting for 18.7% of all newly accredited programs added this year. There are six subspecialties newly accredited by the ACGME in the past five years. New programs in these six subspecialties account for 16.8% of all new subspecialty programs.

Withdrawn Programs

Withdrawn programs are reported in three categories: those withdrawn prior to the end of the 2022-2023 academic year (which are not included in the population of accredited programs); those withdrawn at the end of the 2022-2023 academic year; and those with a future-effective withdrawal date. At the time of this report, obstetrics and gynecology and transitional year had four and three withdrawn programs, respectively; followed by family medicine, interventional radiology – independent, plastic surgery, public health and general preventive medicine, and surgery – each with two withdrawn programs during the academic year. The subspecialties of nephrology, pediatric endocrinology, and pulmonary disease each had two withdrawn programs during the academic year.

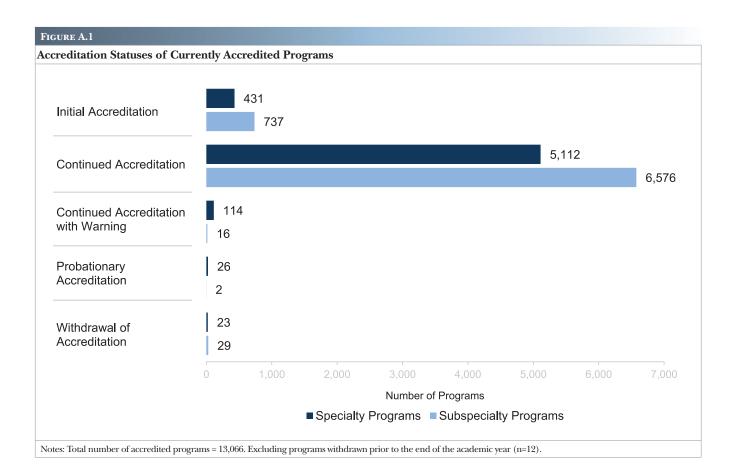
Length of Accredited Education and Training

The majority of specialty programs take three or four years to complete. Neurological surgery has the longest educational program length among specialty programs at seven years. Among subspecialty programs, 49.6% are one year in length, with the remaining programs requiring two or more years to complete. The internal medicine subspecialties of advanced heart failure and transplant cardiology, clinical cardiac electrophysiology, interventional cardiology, and transplant hepatology all require the completion of another subspecialty program prior to entry. These four subspecialties, along with the subspecialties of endovascular surgical neuroradiology, pediatric transplant hepatology, craniofacial surgery, and congenital cardiac surgery,

require six to seven total years of prior education and training before entry.

Osteopathic Recognition

The 2022-2023 academic year is the seventh year that the ACGME has recognized education and training in Osteopathic Principles and Practice in ACGME-accredited programs. Of the 253 programs with Osteopathic Recognition, 166 (65.6%) are family medicine programs and 27 (10.7%) are internal medicine programs. \wedge



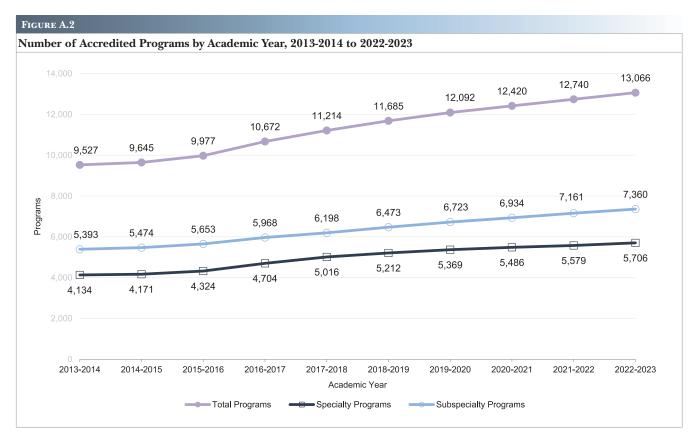


TABLE A.3

Accreditation Statuses of Currently Accredited Programs by Specialty and Subspecialty

| | | Accreditation Status | | | | | | | | | | |
|---|------------|----------------------|-------------------|----------------|-------------------|-----------|-----------------------------|-------------------------------|-------|--------------------------------|-------|--|
| | Total | | itial ditation | Cont Accrec | inued litation | Accredita | inued ation with ning | Probationary Accreditation | | Withdrawal of Accreditation | | |
| Specialty | Programs | # | % | # | % | # | % | # | % | # | % | |
| OVERALL | 13,066 | 1,168 | 8.9% | 11,688 | 89.5% | 130 | 1.0% | 28 | 0.2% | 52 | 0.4% | |
| TOTAL PIPELINE | 5,382 | 411 | 7.6% | 4,821 | 89.6% | 102 | 1.9% | 26 | 0.5% | 22 | 0.4% | |
| Allergy and immunology | 87 | 5 | 5.7% | 81 | 93.1% | 1 | 1.1% | 0 | 0.0% | 0 | 0.0% | |
| Anesthesiology | 165 | 9 | 5.5% | 149 | 90.3% | 5 | 3.0% | 0 | 0.0% | 2 | 1.2% | |
| - Adult cardiothoracic anesthesiology | 75 | 3 | 4.0% | 72 | 96.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Critical care medicine | 65 | 4 | 6.2% | 61 | 93.8% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Regional anesthesiology and acute pain medicine | 42 | 6 | 14.3% | 36 | 85.7% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Pediatric cardiac anesthesiology | 15 | 15 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Obstetric anesthesiology | 41 | 1 | 2.4% | 40 | 97.6% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Pain medicine (multidisciplinary) | 115 | 5 | 4.3% | 110 | 95.7% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Pediatric anesthesiology | 62 | 2 | 3.2% | 58 | 93.5% | 1 | 1.6% | 0 | 0.0% | 1 | 1.6% | |
| Colon and rectal surgery | 68 | 5 | 7.4% | 59 | 86.8% | 4 | 5.9% | 0 | 0.0% | 0 | 0.0% | |
| Dermatology | 144 | 4 | 2.8% | 134 | 93.1% | 6 | 4.2% | 0 | 0.0% | 0 | 0.0% | |
| - Dermatopathology (multidisciplinary) | 57 | 1 | 1.8% | 56 | 98.2% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Micrographic surgery and dermatologic oncology | 81 | 12 | 14.8% | 68 | 84.0% | 1 | 1.2% | 0 | 0.0% | 0 | 0.0% | |
| - Pediatric dermatology | 29 | 29 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Emergency medicine | 287 | 31 | 10.8% | 249 | 86.8% | 4 | 1.4% | 3 | 1.0% | 0 | 0.0% | |
| - Emergency medical services | 83 | 12 | 14.5% | 68 | 81.9% | 2 | 2.4% | 0 | 0.0% | 1 | 1.2% | |
| - Medical toxicology | 30 | 2 | 6.7% | 28 | 93.3% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Pediatric emergency medicine | 29 | 4 | 13.8% | 25 | 86.2% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Sports medicine | 9 | 1 | 11.1% | 8 | 88.9% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Undersea and hyperbaric medicine | 8 | 0 | 0.0% | 8 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Family medicine | 756 | 71 | 9.4% | 675 | 89.3% | 7 | 0.9% | 1 | 0.1% | 2 | 0.3% | |
| - Clinical informatics | 8 | 1 | 12.5% | 7 | 87.5% | 0 | 0.0% | 0 | 0.1% | 0 | 0.0% | |
| - Geriatric medicine | 46 | 4 | 8.7% | 41 | 89.1% | 0 | 0.0% | 0 | 0.0% | 1 | 2.2% | |
| - Hospice and palliative medicine (multidisciplinary) | 191 | 18 | 9.4% | 171 | 89.5% | 0 | 0.0% | 0 | 0.0% | 2 | 1.0% | |
| - Sports medicine | 171 | 16 | 9.4% | 155 | 90.6% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Internal medicine | 627 | 65 | 10.4% | 552 | 88.0% | 8 | 1.3% | 1 | 0.0% | 1 | 0.2% | |
| - Adult congenital heart disease | 27 | 5 | 18.5% | 22 | 81.5% | 0 | 0.0% | 0 | 0.270 | 0 | 0.270 | |
| - Advanced heart failure and transplant cardiology | 84 | 7 | 8.3% | 77 | 91.7% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Cardiovascular disease | 273 | 25 | 9.2% | 247 | 90.5% | 0 | 0.0% | 0 | 0.0% | 1 | 0.0% | |
| - Clinical cardiac electrophysiology | 116 | 25 | 6.0% | 109 | 94.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.4% | |
| - Clinical informatics | 32 | 10 | 31.3% | 22 | 68.8% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Critical care medicine | 66 | 10 | 22.7% | 49 | 74.2% | 0 | 0.0% | 0 | 0.0% | 2 | 3.0% | |
| | | 9 | | 149 | 93.7% | 0 | 0.0% | 0 | 0.0% | 1 | 0.6% | |
| - Endocrinology, diabetes, and metabolism - Gastroenterology | 159 229 | 25 | 5.7% | 203 | | 0 | | 0 | | 1 | 0.0% | |
| - Gastroenterology - Geriatric medicine | 119 | 25 | 10.9% 9.2% | 108 | 88.6% 90.8% | 0 | 0.0% | 0 | 0.0% | 0 | 0.4% | |
| | 119 | 11 | 9.2% | 108 | 90.8% 89.7% | 0 | 0.0% | 1 | 0.0% | 0 | 0.0% | |
| - Hematology and medical oncology | | | | | | | | - | | | | |
| - Infectious disease | 167 | 14 | 8.4% | 153 | 91.6% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Interventional cardiology | 180 | 14 | 7.8% | 166 | 92.2% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Nephrology | 152 | 4 | 2.6% | 146 | 96.1% | 0 | 0.0% | 0 | 0.0% | 2 | 1.3% | |
| - Medical oncology | 3 | 0 | 0.0% | 3 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Pulmonary disease | 22 | 5 | 22.7% | 15 | 68.2% | 0 | 0.0% | 0 | 0.0% | 2 | 9.1% | |
| - Pulmonary disease and critical care medicine | 202 | 18 | 8.9% | 183 | 90.6% | 0 | 0.0% | 0 | 0.0% | 1 | 0.5% | |
| - Rheumatology | 129 | 4 | 3.1% | 125 | 96.9% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Sleep medicine (multidisciplinary) | 96 | 6 | 6.3% | 90 | 93.8% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Transplant hepatology | 66 | 14 | 21.2% | 52 | 78.8% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Medical genetics and genomics | 47 | 2 | 4.3% | 45 | 95.7% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Medical biochemical genetics | 22 | 5 | 22.7% | 17 | 77.3% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Molecular genetic pathology (multidisciplinary) | 42 | 2 | 4.8% | 39 | 92.9% | 0 | 0.0% | 0 | 0.0% | 1 | 2.4% | |
| Neurological surgery | 117 | 2 | 1.7% | 111 | 94.9% | 2 | 1.7% | 2 | 1.7% | 0 | 0.0% | |
| - Neuroendovascular intervention | 3 | 1 | 33.3% | 2 | 66.7% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |

TABLE A.3 Continued

Accreditation Statuses of Currently Accredited Programs by Specialty and Subspecialty

| | Accreditation Status | | | | | | | | | | |
|---|----------------------|----|-------------------|-----|-------------------|----------|-----------------------------|-------------------------------|------|--------------------------------|------|
| | Total | | itial ditation | | inued litation | Accredit | inued ation with ming | Probationary Accreditation | | Withdrawal of Accreditation | |
| Specialty | Programs | # | % | # | % | # | % | # | % | # | % |
| Neurology | 180 | 16 | 8.9% | 155 | 86.1% | 7 | 3.9% | 2 | 1.1% | 0 | 0.0% |
| - Clinical neurophysiology | 95 | 5 | 5.3% | 90 | 94.7% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Epilepsy | 95 | 14 | 14.7% | 81 | 85.3% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Neurocritical care (multidisciplinary) | 35 | 35 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Neuroendovascular intervention | 2 | 0 | 0.0% | 2 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Neurodevelopmental disabilities | 8 | 0 | 0.0% | 8 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Neuromuscular medicine | 55 | 4 | 7.3% | 51 | 92.7% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Vascular neurology | 112 | 9 | 8.0% | 103 | 92.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Child neurology | 80 | 4 | 5.0% | 75 | 93.8% | 0 | 0.0% | 0 | 0.0% | 1 | 1.3% |
| Nuclear medicine | 36 | 0 | 0.0% | 35 | 97.2% | 1 | 2.8% | 0 | 0.0% | 0 | 0.0% |
| Obstetrics and gynecology | 302 | 19 | 6.3% | 267 | 88.4% | 10 | 3.3% | 2 | 0.7% | 4 | 1.3% |
| - Female pelvic medicine and reconstructive surgery | 57 | 5 | 8.8% | 52 | 91.2% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Gynecologic oncology | 71 | 9 | 12.7% | 61 | 85.9% | 0 | 0.0% | 0 | 0.0% | 1 | 1.4% |
| - Maternal-fetal medicine | 104 | 7 | 6.7% | 96 | 92.3% | 1 | 1.0% | 0 | 0.0% | 0 | 0.0% |
| - Reproductive endocrinology and infertility | 49 | 3 | 6.1% | 46 | 93.9% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Complex family planning | 32 | 31 | 96.9% | 10 | 3.1% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Ophthalmology | 125 | 5 | 4.0% | 119 | 95.2% | 1 | 0.8% | 0 | 0.0% | 0 | 0.0% |
| - Ophthalmic plastic and reconstructive surgery | 4 | 0 | 0.0% | 4 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Orthopaedic surgery | 208 | 12 | 5.8% | 189 | 90.9% | 5 | 2.4% | 2 | 1.0% | 0 | 0.0% |
| - Adult reconstructive orthopaedics | 25 | 2 | 8.0% | 23 | 92.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Foot and ankle orthopaedics | 8 | 1 | 12.5% | 7 | 87.5% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Hand surgery | 74 | 3 | 4.1% | 70 | 94.6% | 1 | 1.4% | 0 | 0.0% | 0 | 0.0% |
| - Musculoskeletal oncology | 12 | 0 | 0.0% | 12 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Orthopaedic sports medicine | 93 | 6 | 6.5% | 86 | 92.5% | 1 | 1.1% | 0 | 0.0% | 0 | 0.0% |
| - Orthopaedic surgery of the spine | 15 | 0 | 0.0% | 15 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Orthopaedic trauma | 10 | 1 | 8.3% | 11 | 91.7% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric orthopaedics | 25 | 2 | 8.0% | 23 | 92.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Osteopathic neuromusculoskeletal medicine | 26 | 12 | 46.2% | 14 | 53.8% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Otolaryngology - head and neck surgery | 131 | 6 | 4.6% | 124 | 94.7% | 1 | 0.8% | 0 | 0.0% | 0 | 0.0% |
| - Neurotology | 29 | 5 | 17.2% | 23 | 79.3% | 1 | 3.4% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric otolaryngology | 34 | 4 | 11.8% | 30 | 88.2% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Pathology-anatomic and clinical | 146 | 4 | 2.7% | 139 | 95.2% | 2 | 1.4% | 1 | 0.7% | 0 | 0.0% |
| - Blood banking/transfusion medicine | 54 | 2 | 3.7% | 51 | 94.4% | 0 | 0.0% | 0 | 0.0% | 1 | 1.9% |
| - Clinical informatics | 10 | 0 | 0.0% | 10 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Chemical pathology | 4 | 1 | 25.0% | 3 | 75.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Cytopathology | 93 | 2 | 2.2% | 91 | 97.8% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Forensic pathology | 49 | 6 | 12.2% | 41 | 83.7% | 1 | 2.0% | 0 | 0.0% | 1 | 2.0% |
| - Hematopathology | 87 | 1 | 1.1% | 86 | 98.9% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Medical microbiology | 16 | 1 | 6.3% | 15 | 93.8% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Neuropathology | 40 | 3 | 7.5% | 37 | 92.5% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric pathology | 27 | 1 | 3.7% | 26 | 96.3% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Selective pathology | 124 | 23 | 18.5% | 101 | 81.5% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Pediatrics | 213 | 5 | 2.3% | 204 | 95.8% | 2 | 0.9% | 2 | 0.9% | 0 | 0.0% |
| - Adolescent medicine | 34 | 2 | 5.9% | 30 | 88.2% | 1 | 2.9% | 0 | 0.0% | 1 | 2.9% |
| - Child abuse pediatrics | 32 | 1 | 3.1% | 30 | 93.8% | 1 | 3.1% | 0 | 0.0% | 0 | 0.0% |
| - Clinical informatics | 9 | 2 | 22.2% | 7 | 77.8% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Developmental-behavioral pediatrics | 44 | 2 | 4.5% | 42 | 95.5% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Neonatal-perinatal medicine | 110 | 5 | 4.5% | 104 | 94.5% | 1 | 0.9% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric cardiology | 64 | 2 | 3.1% | 61 | 95.3% | 0 | 0.0% | 0 | 0.0% | 1 | 1.6% |
| - Pediatric critical care medicine | 76 | 5 | 6.6% | 70 | 92.1% | 0 | 0.0% | 1 | 1.3% | 0 | 0.0% |
| - Pediatric emergency medicine | 58 | 4 | 6.9% | 54 | 93.1% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric endocrinology | 73 | 1 | 1.4% | 70 | 95.9% | 0 | 0.0% | 0 | 0.0% | 2 | 2.7% |
| - Pediatric gastroenterology | 67 | 2 | 3.0% | 65 | 97.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric hematology/oncology | 78 | 4 | 5.1% | 74 | 94.9% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric infectious diseases | 64 | 2 | 3.1% | 62 | 96.9% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |

TABLE A.3 Continued

Accreditation Statuses of Currently Accredited Programs by Specialty and Subspecialty

| | | | | | | Accredita | tion Status | | | | |
|---|-----------|---------|-------------------|-----------|-------------------|-----------|-----------------------------|---|---------------------|---|----------------------|
| | Total | | itial ditation | | inued litation | Accredit | inued ation with ming | | tionary ditation | | rawal of ditation |
| Specialty | Programs | # | % | # | % | # | % | # | % | # | % |
| - Pediatric nephrology | 48 | 1 | 2.1% | 47 | 97.9% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric pulmonology | 57 | 2 | 3.5% | 55 | 96.5% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric rheumatology | 37 | 2 | 5.4% | 35 | 94.6% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Sports medicine | 17 | 1 | 5.9% | 16 | 94.1% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric transplant hepatology | 17 | 2 | 11.8% | 15 | 88.2% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric hospital medicine | 68 | 20 | 29.4% | 47 | 69.1% | 0 | 0.0% | 0 | 0.0% | 1 | 1.5% |
| Physical medicine and rehabilitation | 101 | 5 | 5.0% | 95 | 94.1% | 1 | 1.0% | 0 | 0.0% | 0 | 0.0% |
| - Brain injury medicine | 27 | 2 | 7.4% | 25 | 92.6% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Neuromuscular medicine | 1 | 0 | 0.0% | 1 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Spinal cord injury medicine | 26 | 4 | 15.4% | 22 | 84.6% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric rehabilitation medicine | 22 | 1 | 4.5% | 21 | 95.5% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Sports medicine | 22 | 0 | 0.0% | 22 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Plastic surgery | 49 | 4 | 8.2% | 41 | 83.7% | 1 | 2.0% | 1 | 2.0% | 2 | 4.1% |
| Plastic surgery - integrated | 89 | 9 | 10.1% | 76 | 85.4% | 3 | 3.4% | 1 | 1.1% | 0 | 0.0% |
| - Craniofacial surgery | 9 | 1 | 11.1% | 8 | 88.9% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Hand surgery | 19 | 3 | 15.8% | 15 | 78.9% | 1 | 5.3% | 0 | 0.0% | 0 | 0.0% |
| Public health and general preventive medicine | 43 | 1 | 2.3% | 40 | 93.0% | 0 | 0.0% | 0 | 0.0% | 2 | 4.7% |
| Aerospace medicine | 5 | 0 | 0.0% | 5 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Occupational and environmental medicine | 23 | 0 | 0.0% | 23 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Undersea and hyperbaric medicine | 1 | 0 | 0.0% | 1 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Psychiatry | 304 | 27 | 8.9% | 272 | 89.5% | 2 | 0.7% | 2 | 0.7% | 1 | 0.3% |
| - Addiction medicine (multidisciplinary) | 96 | 18 | 18.8% | 77 | 80.2% | 0 | 0.0% | 0 | 0.0% | 1 | 1.0% |
| - Addiction psychiatry | 55 | 4 | 7.3% | 51 | 92.7% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Child and adolescent psychiatry | 153 | 12 | 7.8% | 141 | 92.2% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Forensic psychiatry | 49 | 6 | 12.2% | 43 | 87.8% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Geriatric psychiatry | 63 | 3 | 4.8% | 59 | 93.7% | 0 | 0.0% | 0 | 0.0% | 1 | 1.6% |
| - Consultation-liaison psychiatry | 67 | 4 | 6.0% | 63 | 94.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Radiation oncology | 90 | 0 | 0.0% | 82 | 91.1% | 7 | 7.8% | 0 | 0.0% | 1 | 1.1% |
| Radiology-diagnostic | 199 | 5 | 2.5% | 189 | 95.0% | 3 | 1.5% | 1 | 0.5% | 1 | 0.5% |
| - Abdominal radiology | 13 | 0 | 0.0% | 13 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Neuroendovascular intervention | 3 | 0 | 0.0% | 3 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Musculoskeletal radiology | 21 | 3 | 14.3% | 18 | 85.7% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Neuroradiology | 91 | 2 | 2.2% | 89 | 97.8% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Nuclear radiology | 19 | 3 | 15.8% | 16 | 84.2% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric radiology | 46 | 2 | 4.3% | 44 | 95.7% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Interventional radiology - independent | 94 | 19 | 20.2% | 73 | 77.7% | 0 | 0.0% | 0 | 0.0% | 2 | 2.1% |
| Interventional radiology - integrated | 95 | 13 | 13.7% | 82 | 86.3% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Surgery | 363 | 40 | 11.0% | 302 | 83.2% | 15 | 4.1% | 4 | 1.1% | 2 | 0.6% |
| - Complex general surgical oncology | 34 | 5 | 14.7% | 27 | 79.4% | 2 | 5.9% | 0 | 0.0% | 0 | 0.0% |
| - Hand surgery | 2 | 1 | 50.0% | 1 | 50.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric surgery | 51 162 | 2 | 3.9% | 48 137 | 94.1% | 1 | 2.0% | 0 | 0.0% | 0 | 0.0% |
| - Surgical critical care | 162 | 25 8 | 15.4% 6.7% | | 84.6% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Vascular surgery | 76 | 12 | 6.7% | 111 64 | 93.3% 84.2% | | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Vascular surgery - integrated | 76 | 12 | 15.8% | | | 0 | | 0 | 0.0% | 0 | |
| Thoracic surgery - Congenital cardiac surgery | 17 | 4 | 2.7% 23.5% | 71 13 | 94.7% 76.5% | 0 | 2.7% 0.0% | 0 | 0.0% | 0 | 0.0% |
| Thoracic surgery - integrated | 34 | 4 | 11.8% | 29 | 85.3% | 1 | 2.9% | 0 | 0.0% | 0 | 0.0% |
| Urology | 150 | 5 | 3.3% | 136 | 90.7% | 7 | 4.7% | 1 | 0.0% | 1 | 0.0% |
| - Female pelvic medicine and reconstructive surgery | 150 | 2 | 5.5% 11.8% | 130 | 90.7% 82.4% | 0 | 4.7% | 0 | 0.7% | 1 | 5.9% |
| - remain performedicine and reconstructive surgery - Pediatric urology | 26 | 0 | 0.0% | 26 | 82.4% 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Transitional year | 188 | 27 | 14.4% | 153 | 81.4% | 5 | 2.7% | 0 | 0.0% | 3 | 1.6% |
| Internal medicine/Pediatrics | 77 | 0 | 0.0% | 76 | 98.7% | 1 | 1.3% | 0 | 0.0% | 0 | 0.0% |
| Health care administration, leadership, and management | 2 | 2 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| i reauri care auministration, readersnip, and management | 4 | 4 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | U | 0.0% |

TABLE A.4

| | | | Academic Yea | r | | | |
|--|-----------------|-----------|--------------|-----------|-----------|-----------|--------|
| | 2018-2019 | 2019-2020 | 2020-2021 | 2021-2022 | 2022-2023 | 5-Year | Change |
| Specialty | # | # | # | # | # | # | % |
| OVERALL | 11,685 | 12,092 | 12,420 | 12,740 | 13,066 | 1,381 | 11.89 |
| TOTAL PIPELINE | 4,842 | 4,985 | 5,187 | 5,270 | 5,382 | 540 | 11.29 |
| Allergy and immunology | 78 | 81 | 82 | 84 | 87 | 9 | 11.59 |
| Anesthesiology | 155 | 160 | 161 | 166 | 165 | 10 | 6.59 |
| Adult cardiothoracic anesthesiology | 69 | 71 | 73 | 74 | 75 | 6 | 8.79 |
| Clinical informatics | 1 | 1 | 1 | 1 | | N/A | N/A |
| Critical care medicine | 64 | 63 | 64 | 64 | 65 | 1 | 1.69 |
| Regional anesthesiology and acute pain medicine | 29 | 35 | 38 | 40 | 42 | 13 | 44.8 |
| Pediatric cardiac anesthesiology* | | | | | 15 | N/A | N/4 |
| - Obstetric anesthesiology | 37 | 41 | 41 | 41 | 41 | 4 | 10.89 |
| Pain medicine (multidisciplinary) | 104 | 108 | 111 | 114 | 115 | 11 | 10.69 |
| Pediatric anesthesiology | 61 | 60 | 60 | 61 | 62 | 1 | 1.60 |
| Colon and rectal surgery | 63 | 65 | 66 | 67 | 68 | 5 | 7.99 |
| Dermatology | 142 | 144 | 144 | 143 | 144 | 2 | 1.49 |
| Dermatopathology (multidisciplinary) | 55 | 56 | 58 | 57 | 57 | 2 | 3.69 |
| - Micrographic surgery and dermatologic oncology | 77 | 78 | 78 | 77 | 81 | 4 | 5.29 |
| Pediatric dermatology* | | 10 | 10 | 17 | 29 | 12 | 70.69 |
| Emergency medicine | 247 | 265 | 276 | 279 | 25 | 40 | 16.29 |
| Clinical informatics | 4 | 205 | 5 | 5 | 201 | 40 N/A | N/A |
| | 65 | 71 | 5 75 | 79 | 83 | N/A 18 | 27.79 |
| Emergency medical services | 27 | | | | | | |
| Medical toxicology | | 26 | 27 | 28 | 30 | 3 | 11.19 |
| Pediatric emergency medicine | 26 | 26 | 27 | 29 | 29 | 3 | 11.59 |
| Sports medicine | 9 | 8 | 9 | 10 | 9 | 0 | 0.09 |
| Undersea and hyperbaric medicine | 7 | 8 | 8 | 8 | 8 | 1 | 14.39 |
| Family medicine | 671 | 701 | 710 | 722 | 756 | 85 | 12.79 |
| Clinical informatics | 3 | 6 | 6 | 7 | 8 | 5 | 166.79 |
| Geriatric medicine | 48 | 50 | 49 | 46 | 46 | -2 | -4.29 |
| Hospice and palliative medicine (multidisciplinary) | 149 | 167 | 180 | 187 | 191 | 42 | 28.29 |
| Sports medicine | 143 | 151 | 156 | 161 | 171 | 28 | 19.69 |
| Internal medicine | 545 | 569 | 586 | 601 | 627 | 82 | 15.09 |
| Adult congenital heart disease | 21 | 24 | 24 | 26 | 27 | 6 | 28.69 |
| Advanced heart failure and transplant cardiology | 76 | 80 | 82 | 86 | 84 | 8 | 10.59 |
| Cardiovascular disease | 245 | 250 | 255 | 268 | 273 | 28 | 11.49 |
| Clinical cardiac electrophysiology | 110 | 110 | 112 | 115 | 116 | 6 | 5.59 |
| Clinical informatics | 16 | 17 | 19 | 23 | 32 | 16 | 100.0% |
| Critical care medicine | 43 | 45 | 55 | 62 | 66 | 23 | 53.59 |
| Endocrinology, diabetes, and metabolism | 149 | 151 | 153 | 157 | 159 | 10 | 6.79 |
| Gastroenterology | 202 | 207 | 211 | 222 | 229 | 27 | 13.49 |
| Geriatric medicine | 108 | 111 | 114 | 117 | 119 | 11 | 10.29 |
| Hematology | 2 | 2 | 2 | 2 | | N/A | N/A |
| Hematology and medical oncology | 157 | 167 | 172 | 180 | 184 | 27 | 17.29 |
| Infectious disease | 149 | 154 | 158 | 163 | 167 | 18 | 12.19 |
| Interventional cardiology | 164 | 166 | 170 | 177 | 180 | 16 | 9.89 |
| Nephrology | 149 | 151 | 152 | 151 | 152 | 3 | 2.09 |
| Medical oncology | 8 | 7 | 6 | 5 | 3 | -5 | -62.59 |
| Pulmonary disease | 23 | 22 | 20 | 22 | 22 | -1 | -4.39 |
| Pulmonary disease and critical care medicine | 178 | 181 | 188 | 196 | 202 | 24 | 13.59 |
| Rheumatology | 122 | 125 | 125 | 128 | 129 | 7 | 5.79 |
| Sleep medicine (multidisciplinary) | 86 | 88 | 89 | 92 | 96 | 10 | 11.69 |
| Transplant hepatology | 52 | 57 | 59 | 62 | 66 | 10 | 26.9 |
| Medical genetics and genomics | 46 | 47 | 46 | 45 | 47 | 14 | 2.29 |
| Medical biochemical genetics | 19 | 19 | 20 | 20 | 22 | 3 | 15.89 |
| | 42 | 42 | 42 | 42 | 42 | 0 | 0.00 |
| Molecular genetic pathology (multidisciplinary) | | | | | | 2 | |
| Neurological surgery Neuroendovascular intervention | <u>115</u> 2 | 118 2 | 116 2 | 118 3 | 117 3 | 2 | 1.7% |

TABLE A.4 Continued Number of Programs by Specialty and Subspecialty and Academic Year, 2018-2019 to 2022-2023 Academic Year 2018-2019 2019-2020 2020-2021 2021-2022 2022-2023 5-Year Change Specialty # # # # # # % Neurology 13.2% Brain injury medicine N/A N/A Clinical neurophysiology 4.4% Epilepsy 23.4% Neurocritical care (multidisciplinary)* 400.0% Neuroendovascular intervention 0.0% Neurodevelopmental disabilities 0.0%12.2% Neuromuscular medicine - Vascular neurology 13.1% Child neurology 8.1% Nuclear medicine -3 -7.7%Obstetrics and gynecology 7.1% Female pelvic medicine and reconstructive surgery 7.5% 20.3% Gynecologic oncology 11.8% Maternal-fetal medicine Reproductive endocrinology and infertility -1 -2.0% Complex family planning* 23.1% Ophthalmology 1.6%- Ophthalmic plastic and reconstructive surgery 0.0% 12.4% Orthopaedic surgery Adult reconstructive orthopaedics 4.2% Foot and ankle orthopaedics 14.3% - Hand surgery 2.8% Musculoskeletal oncology 0.0% Orthopaedic sports medicine 1.1% -2 -11.8% Orthopaedic surgery of the spine 9.1% Orthopaedic trauma Pediatric orthopaedics -1 -3.8% Osteopathic neuromusculoskeletal medicine 36.8% Otolaryngology - head and neck surgery 7.4% Neurotology 20.8% 17.2% Pediatric otolaryngology Pathology-anatomic and clinical 2.1% Blood banking/transfusion medicine 5.9% Clinical informatics 25.0% Chemical pathology 0.0% · Cytopathology -1-1.1% 14.0%Forensic pathology Hematopathology 0.0%6.7% Medical microbiology 11.1% Neuropathology Pediatric pathology 0.0%Selective pathology 36.3% Pediatrics 0.5% - Adolescent medicine 13.3% 3.2% Child abuse pediatrics 80.0% Clinical informatics

-1

2.3%

7.8%

3.2%

5.6%

11.5%

0.0%

3.1%

5.4%

-1.5%

Developmental-behavioral pediatrics

Neonatal-perinatal medicine

- Pediatric critical care medicine

Pediatric emergency medicine

Pediatric hematology/oncology

Pediatric endocrinology

Pediatric gastroenterology

- Pediatric infectious diseases

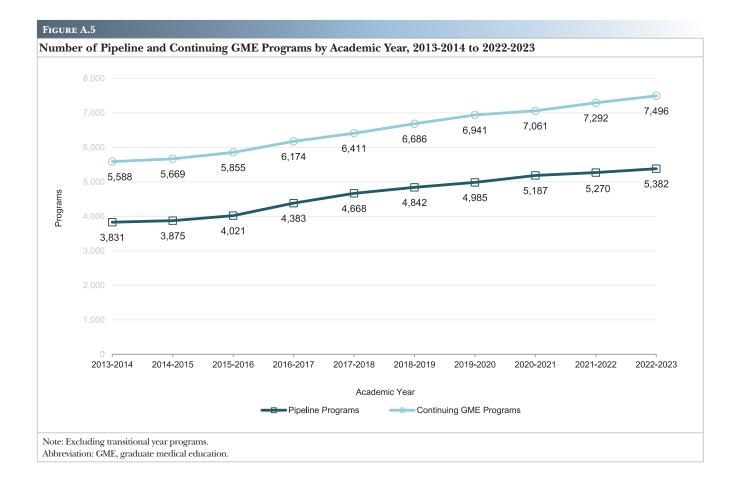
Pediatric cardiology

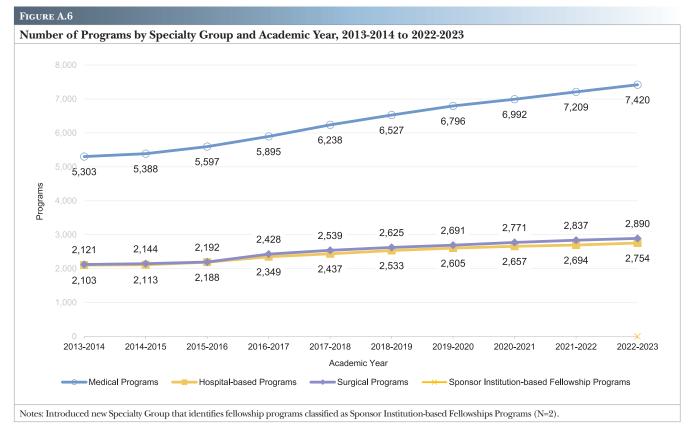
TABLE A.4 Continued

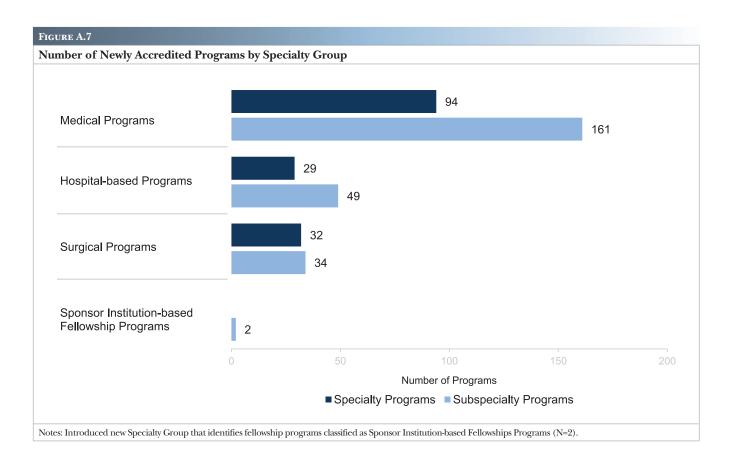
Number of Programs by Specialty and Subspecialty and Academic Year, 2018-2019 to 2022-2023

| | | | Academic Yea | r | | | |
|---|-----------|-----------|--------------|-----------|-----------|------------|---------------|
| | 2018-2019 | 2019-2020 | 2020-2021 | 2021-2022 | 2022-2023 | 5-Yea | r Change |
| Specialty | # | # | # | # | # | # | % |
| - Pediatric nephrology | 46 | 47 | 47 | 47 | 48 | 2 | 4.39 |
| Pediatric pulmonology | 54 | 56 | 56 | 57 | 57 | 3 | 5.69 |
| Pediatric rheumatology | 35 | 36 | 37 | 38 | 37 | 2 | 5.79 |
| Sports medicine | 17 | 17 | 17 | 17 | 17 | 0 | 0.0 |
| Pediatric transplant hepatology | 15 | 16 | 17 | 17 | 17 | 2 | 13.39 |
| Pediatric hospital medicine* | | 33 | 54 | 65 | 68 | 35 | 106.19 |
| Physical medicine and rehabilitation | 91 | 94 | 98 | 100 | 101 | 10 | 11.00 |
| Brain injury medicine | 20 | 23 | 25 | 25 | 27 | 7 | 35.09 |
| Neuromuscular medicine | 1 | 1 | 1 | 1 | 1 | 0 | 0.09 |
| Spinal cord injury medicine | 24 | 24 | 24 | 24 | 26 | 2 | 8.39 |
| Pediatric rehabilitation medicine | 20 | 22 | 22 | 22 | 22 | 2 | 10.09 |
| Sports medicine | 19 | 20 | 21 | 22 | 22 | 3 | 15.89 |
| Plastic surgery | 55 | 53 | 52 | 50 | 49 | -6 | -10.99 |
| Plastic surgery - integrated | 81 | 82 | 86 | 88 | 89 | 8 | 9.99 |
| Craniofacial surgery | 8 | 8 | 8 | 8 | 9 | 1 | 12.59 |
| Hand surgery | 17 | 17 | 17 | 18 | 19 | 2 | 11.89 |
| Public health and general preventive medicine | 75 | 72 | 72 | 72 | 43 | -32 | -42.79 |
| Aerospace medicine* | 15 | 14 | 14 | 14 | 43 5 | -32 N/A | -42.77 N/A |
| Occupational and environmental medicine* | | | | | 23 | N/A N/A | N/A |
| Undersea and hyperbaric medicine | 1 | 1 | 1 | 1 | 1 | 0 | 0.0% |
| | 1 | 1 | 1 | 1 | 1 | | |
| Medical toxicology | | | | | 204 | N/A | N/A |
| Psychiatry | 257 | 269 | 287 | 294 | 304 | 47 | 18.39 |
| Addiction medicine (multidisciplinary)* | 52 | 78 | 85 | 91 | 96 | | 84.69 |
| Addiction psychiatry | 50 | 53 | 53 | 55 | 55 | 5 | 10.09 |
| Child and adolescent psychiatry | 140 | 141 | 146 | 152 | 153 | 13 | 9.39 |
| Forensic psychiatry | 48 | 48 | 49 | 49 | 49 | 1 | 2.19 |
| Geriatric psychiatry | 61 | 62 | 64 | 64 | 63 | 2 | 3.39 |
| Consultation-liaison psychiatry | 62 | 63 | 64 | 66 | 67 | 5 | 8.19 |
| Radiation oncology | 94 | 91 | 91 | 90 | 90 | -4 | -4.3% |
| Radiology-diagnostic | 195 | 197 | 196 | 197 | 199 | 4 | 2.1% |
| Abdominal radiology | 13 | 14 | 13 | 13 | 13 | 0 | 0.0% |
| Neuroendovascular intervention | 3 | 3 | 3 | 3 | 3 | 0 | 0.0% |
| Musculoskeletal radiology | 16 | 20 | 20 | 20 | 21 | 5 | 31.39 |
| Neuroradiology | 87 | 87 | 89 | 91 | 91 | 4 | 4.6% |
| Nuclear radiology | 17 | 17 | 18 | 18 | 19 | 2 | 11.89 |
| Pediatric radiology | 47 | 47 | 48 | 47 | 46 | -1 | -2.19 |
| Vascular and Interventional radiology | 93 | 92 | | | | N/A | N/A |
| Interventional radiology - independent* | | 2 | 95 | 95 | 94 | 92 | 4600.0% |
| Interventional radiology - integrated | 84 | 89 | 92 | 92 | 95 | 11 | 13.19 |
| Surgery | 323 | 330 | 344 | 353 | 363 | 40 | 12.49 |
| Complex general surgical oncology | 27 | 29 | 31 | 33 | 34 | 7 | 25.99 |
| Hand surgery | 1 | 1 | 2 | 2 | 2 | 1 | 100.0% |
| Pediatric surgery | 50 | 49 | 51 | 51 | 51 | 1 | 2.0% |
| Surgical critical care | 136 | 139 | 145 | 156 | 162 | 26 | 19.19 |
| Vascular surgery | 109 | 116 | 115 | 118 | 119 | 10 | 9.29 |
| Vascular surgery - integrated | 60 | 64 | 67 | 73 | 76 | 16 | 26.79 |
| Choracic surgery | 72 | 74 | 74 | 75 | 75 | 3 | 4.29 |
| Congenital cardiac surgery | 12 | 14 | 15 | 16 | 17 | 5 | 41.79 |
| Choracic surgery - integrated | 27 | 30 | 33 | 34 | 34 | 7 | 25.99 |
| Jrology | 142 | 145 | 145 | 148 | 150 | 8 | 5.69 |
| Female pelvic medicine and reconstructive surgery | 142 | 145 | | | 150 | 3 | 21.49 |
| 1 0 / | | | 15 | 16 | | | |
| Pediatric urology | 26 | 26 | 26 | 26 | 26 | 0 | 0.0% |
| | 157 | 166 | 172 | 178 | 188 | 31 | 19.79 |
| Transitional year Internal medicine/Pediatrics | 79 | 79 | 79 | 78 | 77 | -2 | -2.59 |

Notes: Pipeline specialties are highlighted. Asterisks (*) indicate specialties and subspecialties added within the last five years. For these specialties and subspecialties, the number and percent change are calculated from the first year of having accredited programs.







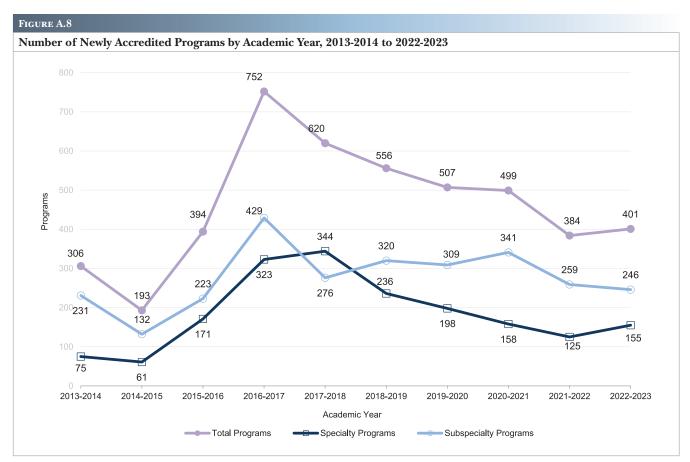


TABLE A.9

Number of Newly Accredited Programs during the Academic Year by Specialty and Subspecialty Newly Accredited Percent of All Newly **Total Programs** Percentage of Specialty Specialty Accredited Programs Programs OVERALL 13,066 401 3.1% 100.0% TOTAL PIPELINE 5,382 142 2.6%35.4%Allergy and immunology 87 3 3.4%0.7%165 1 Anesthesiology 0.6%0.2%1.3% 0.2%- Adult cardiothoracic anesthesiology 751 - Critical care medicine 65 1 1.5% 0.2% - Regional anesthesiology and acute pain medicine 42 2 4.8% 0.5%Pediatric cardiac anesthesiology* 1515100.0%3.7%0 - Obstetric anesthesiology 41 0.0%0.0%2 - Pain medicine (multidisciplinary) 1151.7%0.5%1 1.6%0.2% - Pediatric anesthesiology 62Colon and rectal surgery 68 1 1.5% 0.2% 144 3 2.1% 0.7%Dermatology - Dermatopathology (multidisciplinary) 5700.0%0.0%- Micrographic surgery and dermatologic oncology 81 4 4.9%1.0%29 12 - Pediatric dermatology* 41.4%3.0%287 8 2.0%Emergency medicine 2.8%- Emergency medical services 83 4 4.8% 1.0% - Medical toxicology 30 1 3.3% 0.2%

| Methear toxicology | 30 | 1 | 5.570 | 0.4/0 |
|---|-----|----|-------|-------|
| - Pediatric emergency medicine | 29 | 0 | 0.0% | 0.0% |
| - Sports medicine | 9 | 0 | 0.0% | 0.0% |
| - Undersea and hyperbaric medicine | 8 | 0 | 0.0% | 0.0% |
| Family medicine | 756 | 39 | 5.2% | 9.7% |
| - Clinical informatics | 8 | 0 | 0.0% | 0.0% |
| - Geriatric medicine | 46 | 2 | 4.3% | 0.5% |
| - Hospice and palliative medicine (multidisciplinary) | 191 | 8 | 4.2% | 2.0% |
| - Sports medicine | 171 | 10 | 5.8% | 2.5% |
| Internal medicine | 627 | 32 | 5.1% | 8.0% |
| - Adult congenital heart disease | 27 | 1 | 3.7% | 0.2% |
| - Advanced heart failure and transplant cardiology | 84 | 0 | 0.0% | 0.0% |
| - Cardiovascular disease | 273 | 6 | 2.2% | 1.5% |
| - Clinical cardiac electrophysiology | 116 | 1 | 0.9% | 0.2% |
| - Clinical informatics | 32 | 4 | 12.5% | 1.0% |
| - Critical care medicine | 66 | 4 | 6.1% | 1.0% |
| - Endocrinology, diabetes, and metabolism | 159 | 4 | 2.5% | 1.0% |
| - Gastroenterology | 229 | 10 | 4.4% | 2.5% |
| - Geriatric medicine | 119 | 3 | 2.5% | 0.7% |
| - Hematology and medical oncology | 184 | 7 | 3.8% | 1.7% |
| - Infectious disease | 167 | 4 | 2.4% | 1.0% |
| - Interventional cardiology | 180 | 4 | 2.2% | 1.0% |
| - Nephrology | 152 | 2 | 1.3% | 0.5% |
| - Medical oncology | 3 | 0 | 0.0% | 0.0% |
| - Pulmonary disease | 22 | 2 | 9.1% | 0.5% |
| - Pulmonary disease and critical care medicine | 202 | 6 | 3.0% | 1.5% |
| - Rheumatology | 129 | 1 | 0.8% | 0.2% |
| - Sleep medicine (multidisciplinary) | 96 | 4 | 4.2% | 1.0% |
| - Transplant hepatology | 66 | 4 | 6.1% | 1.0% |
| Medical genetics and genomics | 47 | 2 | 4.3% | 0.5% |
| - Medical biochemical genetics | 22 | 2 | 9.1% | 0.5% |
| - Molecular genetic pathology (multidisciplinary) | 42 | 0 | 0.0% | 0.0% |
| Neurological surgery | 117 | 0 | 0.0% | 0.0% |
| - Neuroendovascular intervention | 3 | 0 | 0.0% | 0.0% |
| Neurology | 180 | 5 | 2.8% | 1.2% |
| - Clinical neurophysiology | 95 | 1 | 1.1% | 0.2% |
| - Epilepsy | 95 | 2 | 2.1% | 0.5% |
| - Neurocritical care (multidisciplinary)* | 35 | 28 | 80.0% | 7.0% |
| - Neuroendovascular intervention | 2 | 0 | 0.0% | 0.0% |
| - Neurodevelopmental disabilities | 8 | 0 | 0.0% | 0.0% |
| - Neuromuscular medicine | 55 | 0 | 0.0% | 0.0% |
| - Vascular neurology | 112 | 0 | 0.0% | 0.0% |

TABLE A.9 Continued

| Specialty | Total Programs | Newly Accredited Programs | Percentage of Specialty | Percent of All Newly Accredited Programs |
|---|----------------|------------------------------|-------------------------|---|
| Child neurology | 80 | 1 | 1.3% | 0.2% |
| Nuclear medicine | 36 | 0 | 0.0% | 0.0% |
| Obstetrics and gynecology | 302 | 4 | 1.3% | 1.0% |
| Female pelvic medicine and reconstructive surgery | 57 | 2 | 3.5% | 0.5% |
| Gynecologic oncology | 71 | 4 | 5.6% | 1.0% |
| Maternal-fetal medicine | 104 | 3 | 2.9% | 0.7% |
| Reproductive endocrinology and infertility | 49 | 2 | 4.1% | 0.5% |
| Complex family planning* | 32 | 3 | 9.4% | 0.7% |
| Ophthalmology | 125 | 0 | 0.0% | 0.0% |
| Ophthalmic plastic and reconstructive surgery | 4 | 0 | 0.0% | 0.0% |
| Orthopaedic surgery | 208 | 5 | 2.4% | 1.2% |
| Adult reconstructive orthopaedics | 25 | 1 | 4.0% | 0.2% |
| Foot and ankle orthopaedics | 8 | 0 | 0.0% | 0.0% |
| Hand surgery | 74 | 2 | 2.7% | 0.5% |
| Musculoskeletal oncology | 12 | 0 | 0.0% | 0.0% |
| Orthopaedic sports medicine | 93 | 2 | 2.2% | 0.5% |
| Orthopaedic surgery of the spine | 15 | 0 | 0.0% | 0.0% |
| Orthopaedic trauma | 12 | 0 | 0.0% | 0.0% |
| Pediatric orthopaedics | 25 | 1 | 4.0% | 0.2% |
| Osteopathic neuromusculoskeletal medicine | 26 | 0 | 0.0% | 0.0% |
| Otolaryngology - head and neck surgery | 131 | 2 | 1.5% | 0.5% |
| Neurotology | 29 | 1 | 3.4% | 0.2% |
| Pediatric otolaryngology | 34 | 0 | 0.0% | 0.0% |
| Pathology-anatomic and clinical | 146 | 2 | 1.4% | 0.5% |
| Blood banking/transfusion medicine | 54 | 1 | 1.9% | 0.2% |
| Clinical informatics | 10 | 0 | 0.0% | 0.0% |
| Chemical pathology | 4 | 0 | 0.0% | 0.0% |
| Cytopathology | 93 | 1 | 1.1% | 0.2% |
| Forensic pathology | 49 | 4 | 8.2% | 1.0% |
| Hematopathology | 87 | 1 | 1.1% | 0.2% |
| Medical microbiology | 16 | 0 | 0.0% | 0.0% |
| Neuropathology | 40 | 1 | 2.5% | 0.2% |
| Pediatric pathology | 27 | 0 | 0.0% | 0.0% |
| Selective pathology | 124 | 8 | 6.5% | 2.0% |
| Pediatrics | 213 | 1 | 0.5% | 0.2% |
| Adolescent medicine | 34 | 2 | 5.9% | 0.5% |
| Child abuse pediatrics | 32 | 1 | 3.1% | 0.2% |
| Clinical informatics | 9 | 0 | 0.0% | 0.0% |
| Developmental-behavioral pediatrics | 44 | 0 | 0.0% | 0.0% |
| Neonatal-perinatal medicine | 110 | 0 | 0.0% | 0.0% |
| Pediatric cardiology | 64 | 0 | 0.0% | 0.0% |
| Pediatric critical care medicine | 76 | 0 | 0.0% | 0.0% |
| Pediatric emergency medicine | 58 | 2 | 3.4% | 0.5% |
| Pediatric endocrinology | 73 | 1 | 1.4% | 0.2% |
| Pediatric gastroenterology | 67 | 0 | 0.0% | 0.0% |
| Pediatric hematology/oncology | 78 | 1 | 1.3% | 0.2% |
| Pediatric infectious diseases | 64 | 1 | 1.6% | 0.2% |
| Pediatric nephrology | 48 | 1 | 2.1% | 0.2% |
| Pediatric pulmonology | 57 | 0 | 0.0% | 0.0% |
| Pediatric rheumatology | 37 | 0 | 0.0% | 0.0% |
| Sports medicine | 17 | 0 | 0.0% | 0.0% |
| Pediatric transplant hepatology | 17 | 0 | 0.0% | 0.0% |
| Pediatric hospital medicine* | 68 | 3 | 4.4% | 0.7% |
| Physical medicine and rehabilitation | 101 | 1 | 1.0% | 0.2% |
| Brain injury medicine | 27 | 1 | 3.7% | 0.2% |
| Neuromuscular medicine | 1 | 0 | 0.0% | 0.2% |
| Spinal cord injury medicine | 26 | 2 | 7.7% | 0.5% |
| Pediatric rehabilitation medicine | 20 | 0 | 0.0% | 0.5% |
| Sports medicine | 22 | 0 | 0.0% | 0.0% |

TABLE A.9 Continued

| Specialty | Total Programs | Newly Accredited Programs | Percentage of Specialty | Percent of All Newly Accredited Program |
|--|----------------|------------------------------|-------------------------|--|
| Plastic surgery | 49 | 3 | 6.1% | 0.7% |
| Plastic surgery - integrated | 89 | 1 | 1.1% | 0.2% |
| Craniofacial surgery | 9 | 1 | 11.1% | 0.2% |
| Hand surgery | 19 | 1 | 5.3% | 0.2% |
| Public health and general preventive medicine | 43 | 0 | 0.0% | 0.0% |
| Aerospace medicine* | 5 | 0 | 0.0% | 0.0% |
| Occupational and environmental medicine* | 23 | 0 | 0.0% | 0.0% |
| Undersea and hyperbaric medicine | 1 | 0 | 0.0% | 0.0% |
| Psychiatry | 304 | 9 | 3.0% | 2.2% |
| Addiction medicine (multidisciplinary)* | 96 | 7 | 7.3% | 1.7% |
| Addiction psychiatry | 55 | 1 | 1.8% | 0.2% |
| Child and adolescent psychiatry | 153 | 1 | 0.7% | 0.2% |
| Forensic psychiatry | 49 | 2 | 4.1% | 0.5% |
| Geriatric psychiatry | 63 | 0 | 0.0% | 0.0% |
| Consultation-liaison psychiatry | 67 | 1 | 1.5% | 0.0% |
| Radiation oncology | 90 | 0 | 0.0% | 0.2 // |
| Radiology-diagnostic | 199 | 3 | 1.5% | 0.7% |
| Abdominal radiology | 135 | 0 | 0.0% | 0.0% |
| Neuroendovascular intervention | 3 | 0 | 0.0% | 0.0% |
| Musculoskeletal radiology | 21 | 2 | 9.5% | 0.5% |
| Neuroradiology | 91 | 0 | 0.0% | 0.0% |
| Nuclear radiology | 19 | 1 | 5.3% | 0.0% |
| Pediatric radiology | 46 | 0 | 0.0% | 0.2% |
| nterventional radiology - independent* | 94 | 1 | 1.1% | 0.0% |
| | 94 | 3 | 3.2% | 0.2% |
| nterventional radiology - integrated | 363 | <u> </u> | | |
| Gurgery | 303 | 1 | 3.0% | 2.7% 0.2% |
| Complex general surgical oncology | 2 | 0 | 0.0% | 0.2% |
| Hand surgery Pediatric surgery | | 0 | 0.0% | 0.0% |
| Surgical critical care | 51 162 | 6 | 3.7% | 1.5% |
| Vascular surgery | 102 | 2 | 1.7% | 0.5% |
| | 76 | 3 | 3.9% | |
| /ascular surgery - integrated | | 0 | | 0.7% |
| Conversional and in a second sec | 75 17 | | 0.0% | 0.0% |
| Congenital cardiac surgery | | 1 | 5.9% | 0.2% |
| Choracic surgery - integrated | 34 | 0 | 0.0% | 0.0% |
| Jrology | 150 | 2 | 1.3% | 0.5% |
| Female pelvic medicine and reconstructive surgery | 17 | 1 | 5.9% | 0.2% |
| Pediatric urology | 26 | 0 | 0.0% | 0.0% |
| Fransitional year | 188 | 10 | 5.3% | 2.5% |
| nternal medicine/Pediatrics | 77 | 0 | 0.0% | 0.0% |
| Health care administration, leadership, and management* | 2 | 2 | 100.0% | 0.5% |

Notes: Pipeline specialties are highlighted. Asterisks (*) indicate specialties and subspecialties added within the last five years.

TABLE A.10

| | | | Accreditation Withdrawn Prior to Academic Year End | | n Withdrawn at c Year End | Future Withdrawal of Accreditation | |
|---|----------------|----|---|----|------------------------------|---------------------------------------|------|
| Specialty | Total Programs | # | % | # | % | # | % |
| OVERALL | 13,066 | 12 | 0.1% | 45 | 0.3% | 7 | 0.1% |
| FOTAL PIPELINE | 5,382 | 5 | 0.1% | 20 | 0.4% | 2 | 0.0% |
| Allergy and immunology | 87 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Anesthesiology | 165 | 0 | 0.0% | 1 | 0.6% | 1 | 0.6% |
| Adult cardiothoracic anesthesiology | 75 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Critical care medicine | 65 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Regional anesthesiology and acute pain medicine | 42 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Pediatric cardiac anesthesiology | 15 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Obstetric anesthesiology | 41 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Pain medicine (multidisciplinary) | 115 | 1 | 0.9% | 0 | 0.0% | 0 | 0.0% |
| Pediatric anesthesiology | 62 | 0 | 0.0% | 1 | 1.6% | 0 | 0.0% |
| Colon and rectal surgery | 68 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Dermatology | 144 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Dermatopathology (multidisciplinary) | 57 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Micrographic surgery and dermatologic oncology | 81 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Pediatric dermatology | 29 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Emergency medicine | 287 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Emergency medical services | 83 | 0 | 0.0% | 1 | 1.2% | 0 | 0.0% |
| Medical toxicology | 30 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Pediatric emergency medicine | 29 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Sports medicine | 9 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Undersea and hyperbaric medicine | 8 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Family medicine | 756 | 1 | 0.1% | 2 | 0.3% | 0 | 0.0% |
| Clinical informatics | 8 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Geriatric medicine | 46 | 0 | 0.0% | 0 | 0.0% | 1 | 2.2% |
| Hospice and palliative medicine (multidisciplinary) | 191 | 0 | 0.0% | 1 | 0.5% | 1 | 0.5% |
| Sports medicine | 171 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Internal medicine | 627 | 3 | 0.5% | 1 | 0.2% | 0 | 0.0% |
| Adult congenital heart disease | 27 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Advanced heart failure and transplant cardiology | 84 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Cardiovascular disease | 273 | 0 | 0.0% | 1 | 0.4% | 0 | 0.0% |
| Clinical cardiac electrophysiology | 116 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Clinical informatics | 32 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Critical care medicine | 66 | 0 | 0.0% | 1 | 1.5% | 1 | 1.5% |
| Endocrinology, diabetes, and metabolism | 159 | 0 | 0.0% | 1 | 0.6% | 0 | 0.0% |
| Gastroenterology | 229 | 0 | 0.0% | 1 | 0.4% | 0 | 0.0% |
| Geriatric medicine | 119 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Hematology and medical oncology | 184 | 1 | 0.5% | 0 | 0.0% | 0 | 0.0% |
| Infectious disease | 167 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Interventional cardiology | 180 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Nephrology | 152 | 0 | 0.0% | 2 | 1.3% | 0 | 0.0% |
| Medical oncology | 3 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Pulmonary disease | 22 | 0 | 0.0% | 2 | 9.1% | 0 | 0.0% |
| Pulmonary disease and critical care medicine | 202 | 0 | 0.0% | 0 | 0.0% | 1 | 0.5% |
| Rheumatology | 129 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Sleep medicine (multidisciplinary) | 96 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Transplant hepatology | 66 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Medical genetics and genomics | 47 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Medical biochemical genetics | 22 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Molecular genetic pathology (multidisciplinary) | 42 | 0 | 0.0% | 1 | 2.4% | 0 | 0.0% |
| Neurological surgery | 117 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Neuroendovascular intervention | 3 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Neurology | 180 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Clinical neurophysiology | 95 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Epilepsy | 95 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Neurocritical care (multidisciplinary) | 35 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Neuroendovascular intervention | 2 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| | 0 | 0 | 0.007 | 0 | 0.007 | 0 | 0.0% |
| Neurodevelopmental disabilities | 8 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |

TABLE A.10 Continued

| Number of Programs with a Withdrawn Accreditation Status during the Academic Year by Specialty and Subspecialty | | | | | | | | | |
|---|----------------|---|------|---|--------------------------|------------------------------------|------|--|--|
| | | Accreditation Withdrawn Prior to Academic Year End | | | Withdrawn at Year End | Future Withdrawal of Accreditation | | | |
| Specialty | Total Programs | # | % | # | % | # | % | | |
| Child neurology | 80 | 0 | 0.0% | 1 | 1.3% | 0 | 0.0% | | |
| Nuclear medicine | 36 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Obstetrics and gynecology | 302 | 0 | 0.0% | 4 | 1.3% | 0 | 0.0% | | |
| Female pelvic medicine and reconstructive surgery | 57 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Gynecologic oncology | 71 | 0 | 0.0% | 1 | 1.4% | 0 | 0.0% | | |
| Maternal-fetal medicine | 104 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Reproductive endocrinology and infertility | 49 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Complex family planning | 32 | 0 | 0.0% | 0 | 0.0% | 0 | 0.00 | | |
| Ophthalmology | 125 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Ophthalmic plastic and reconstructive surgery | 4 | 0 | 0.0% | 0 | 0.0% | 0 | 0.00 | | |
| Orthopaedic surgery | 208 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Adult reconstructive orthopaedics | 25 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Foot and ankle orthopaedics | 8 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Hand surgery | 74 | 1 | 1.4% | 0 | 0.0% | 0 | 0.0% | | |
| Musculoskeletal oncology | 12 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Orthopaedic sports medicine | 93 | 2 | 2.2% | 0 | 0.0% | 0 | 0.0% | | |
| Orthopaedic surgery of the spine | 15 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Orthopaedic trauma | 12 | 0 | 0.0% | 0 | 0.0% | 0 | 0.00 | | |
| Pediatric orthopaedics | 25 | 0 | 0.0% | 0 | 0.0% | 0 | 0.00 | | |
| Osteopathic neuromusculoskeletal medicine | 26 | 0 | 0.0% | 0 | 0.0% | 0 | 0.00 | | |
| Otolaryngology - head and neck surgery | 131 | 0 | 0.0% | 0 | 0.0% | 0 | 0.00 | | |
| Neurotology | 29 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Pediatric otolaryngology | 34 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Pathology-anatomic and clinical | 146 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Blood banking/transfusion medicine | 54 | 0 | 0.0% | 1 | 1.9% | 0 | 0.0% | | |
| Clinical informatics | 10 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Chemical pathology | 4 | 0 | 0.0% | 0 | 0.0% | 0 | 0.09 | | |
| Cytopathology | 93 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Forensic pathology | 49 | 0 | 0.0% | 1 | 2.0% | 0 | 0.00 | | |
| Hematopathology | 87 | 0 | 0.0% | 0 | 0.0% | 0 | 0.00 | | |
| Medical microbiology | 16 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Neuropathology | 40 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Pediatric pathology | 27 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Selective pathology | 124 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Pediatrics | 213 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Adolescent medicine | 34 | 0 | 0.0% | 1 | 2.9% | 0 | 0.0% | | |
| Child abuse pediatrics | 32 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Clinical informatics | 9 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Developmental-behavioral pediatrics | 44 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Neonatal-perinatal medicine | 110 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |
| Pediatric cardiology | 64 | 0 | 0.0% | 1 | 1.6% | 0 | 0.0% | | |
| Pediatric critical care medicine | 76 | 1 | 1.3% | 0 | 0.0% | 0 | 0.0% | | |
| Pediatric emergency medicine | 58 | 0 | 0.0% | 0 | 0.0% | 0 | 0.09 | | |
| Pediatric endocrinology | 73 | 0 | 0.0% | 2 | 2.7% | 0 | 0.09 | | |
| Pediatric gastroenterology | 67 | 0 | 0.0% | 0 | 0.0% | 0 | 0.00 | | |
| Pediatric hematology/oncology | 78 | 0 | 0.0% | 0 | 0.0% | 0 | 0.00 | | |
| Pediatric infectious diseases | 64 | 0 | 0.0% | 0 | 0.0% | 0 | 0.00 | | |
| Pediatric nephrology | 48 | 0 | 0.0% | 0 | 0.0% | 0 | 0.00 | | |
| Pediatric pulmonology | 57 | 0 | 0.0% | 0 | 0.0% | 0 | 0.09 | | |
| Pediatric rheumatology | 37 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0 | | |
| Sports medicine | 17 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0 | | |
| Pediatric transplant hepatology | 17 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0 | | |
| Pediatric hospital medicine | 68 | 0 | 0.0% | 1 | 1.5% | 0 | 0.0 | | |
| Physical medicine and rehabilitation | 101 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0 | | |
| Brain injury medicine | 27 | 0 | 0.0% | 0 | 0.0% | 0 | 0.09 | | |
| Neuromuscular medicine | 1 | 0 | 0.0% | 0 | 0.0% | 0 | 0.09 | | |
| Spinal cord injury medicine | 26 | 0 | 0.0% | 0 | 0.0% | 0 | 0.09 | | |
| Pediatric rehabilitation medicine | 22 | 0 | 0.0% | 0 | 0.0% | 0 | 0.00 | | |
| - Sports medicine | 22 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | |

TABLE A.10 Continued

| Number of Programs with a Withdrawn Accreditation Status during the Academic Year by Specialty and Subspec | cialty |
|--|--------|
|--|--------|

| | | Accreditation Withdrawn Prior to Academic Year End | | | n Withdrawn at c Year End | Future Withdrawal of Accreditation | | |
|--|----------------|---|------|---|------------------------------|---------------------------------------|------|--|
| Specialty | Total Programs | # | % | # | % | # | % | |
| Plastic surgery | 49 | 0 | 0.0% | 2 | 4.1% | 0 | 0.0% | |
| Plastic surgery - integrated | 89 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Craniofacial surgery | 9 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Hand surgery | 19 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Public health and general preventive medicine | 43 | 0 | 0.0% | 2 | 4.7% | 0 | 0.0% | |
| Aerospace medicine | 5 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Occupational and environmental medicine | 23 | 1 | 4.3% | 0 | 0.0% | 0 | 0.0% | |
| - Undersea and hyperbaric medicine | 1 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Psychiatry | 304 | 0 | 0.0% | 0 | 0.0% | 1 | 0.3% | |
| - Addiction medicine (multidisciplinary) | 96 | 1 | 1.0% | 0 | 0.0% | 1 | 1.0% | |
| - Addiction psychiatry | 55 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Child and adolescent psychiatry | 153 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Forensic psychiatry | 49 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Geriatric psychiatry | 63 | 0 | 0.0% | 1 | 1.6% | 0 | 0.0% | |
| - Consultation-liaison psychiatry | 67 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Radiation oncology | 90 | 0 | 0.0% | 1 | 1.1% | 0 | 0.0% | |
| Radiology-diagnostic | 199 | 0 | 0.0% | 1 | 0.5% | 0 | 0.0% | |
| - Abdominal radiology | 13 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Neuroendovascular intervention | 3 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Musculoskeletal radiology | 21 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Neuroradiology | 91 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Nuclear radiology | 19 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Pediatric radiology | 46 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Interventional radiology - independent | 94 | 0 | 0.0% | 2 | 2.1% | 0 | 0.0% | |
| Interventional radiology - integrated | 95 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Surgery | 363 | 0 | 0.0% | 2 | 0.6% | 0 | 0.0% | |
| - Complex general surgical oncology | 34 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Hand surgery | 2 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Pediatric surgery | 51 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Surgical critical care | 162 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Vascular surgery | 119 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Vascular surgery - integrated | 76 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Thoracic surgery | 75 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| - Congenital cardiac surgery | 17 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Thoracic surgery - integrated | 34 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Urology | 150 | 0 | 0.0% | 1 | 0.7% | 0 | 0.0% | |
| Female pelvic medicine and reconstructive surgery | 17 | 0 | 0.0% | 1 | 5.9% | 0 | 0.0% | |
| - Pediatric urology | 26 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Transitional year | 188 | 0 | 0.0% | 3 | 1.6% | 0 | 0.0% | |
| Internal medicine/Pediatrics | 77 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |
| Health care administration, leadership, and management | 2 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | |

TABLE A.11

Total Number of Programs, Years of Accredited Prior Training Required, and Length of Accredited Education and Training by Specialty and Subspecialty

| | | | | Leng | th of Accred | lited Educat | ion and Tr | aining | ning | |
|---|-------------|----------|-----|------|--------------|--------------|------------|--------|------|--|
| | MIN No. of | Total | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| Specialty | Prior Years | Programs | # | # | # | # | # | # | # | |
| Allergy and immunology | 3 | 87 | | 87 | | | | | | |
| Anesthesiology | 1/0 | 165 | | | 18 | 147 | | | | |
| - Adult cardiothoracic anesthesiology | 4 | 75 | 75 | | | | | | | |
| - Critical care medicine | 4 | 65 | 65 | | | | | | | |
| - Regional anesthesiology and acute pain medicine | 4 | 42 | 42 | | | | | | | |
| - Pediatric cardiac anesthesiology | 4 | 15 | 15 | | | | | | | |
| - Obstetric anesthesiology | 3/4 | 41 | 41 | | | | | | | |
| - Pain medicine (multidisciplinary) | 3/4 | 115 | 115 | | | | | | | |
| Pediatric anesthesiology | 4 | 62 | 62 | | | | | | | |
| Colon and rectal surgery | 5 | 68 | 68 | | | | | | | |
| Dermatology | 1/0 | 144 | 00 | | 139 | 5 | | | | |
| Dermatopathology (multidisciplinary) | 4 | 57 | 57 | | 100 | 0 | | | | |
| Micrographic surgery and dermatologic oncology | 4 | 81 | 81 | | | | | | | |
| - Pediatric dermatology | 4 | 29 | 29 | | | | | | | |
| Emergency medicine | 0 | 23 | 45 | | 228 | 59 | | | | |
| - Emergency medical services | 3 | 83 | 83 | | 440 | 33 | | | | |
| Medical toxicology | 3 | 30 | 05 | 30 | | | | | | |
| - Pediatric emergency medicine | 3 | 29 | | | 29 | | | | | |
| • Sports medicine | 3 | 9 | 9 | | 29 | | | | | |
| Undersea and hyperbaric medicine | 3 | 8 | 8 | | | | | | | |
| Family medicine | | 756 | 0 | | 747 | 9 | | | | |
| - Clinical informatics | 0 | | | 0 | /4/ | 9 | | | | |
| | 3 | 8 | 40 | 8 | | | | | | |
| - Geriatric medicine | 3 | 46 | 46 | | | | | | | |
| - Hospice and palliative medicine (multidisciplinary) | 3 | 191 | 191 | | | | | | | |
| Sports medicine | 3 | 171 | 171 | | co7 | | | | | |
| Internal medicine | 0 | 627 | | 07 | 627 | | | | | |
| - Adult congenital heart disease | 3 | 27 | | 27 | | | | | | |
| - Advanced heart failure and transplant cardiology | 6 | 84 | 84 | | | | | | | |
| - Cardiovascular disease | 3 | 273 | | | 273 | | | | | |
| - Clinical cardiac electrophysiology | 6 | 116 | | 116 | | | | | | |
| - Clinical informatics | 3 | 32 | | 32 | | | | | | |
| - Critical care medicine | 3 | 66 | | 66 | | | | | | |
| - Endocrinology, diabetes, and metabolism | 3 | 159 | | 159 | | | | | | |
| - Gastroenterology | 3 | 229 | | | 229 | | | | | |
| - Geriatric medicine | 3 | 119 | 119 | | | | | | | |
| Hematology and medical oncology | 3 | 184 | | | 184 | | | | | |
| Infectious disease | 3 | 167 | | 167 | | | | | | |
| Interventional cardiology | 6 | 180 | 180 | | | | | | | |
| Nephrology | 3 | 152 | | 152 | | | | | | |
| - Medical oncology | 3 | 3 | | 3 | | | | | | |
| - Pulmonary disease | 3 | 22 | | 22 | | | | | | |
| - Pulmonary disease and critical care medicine | 3 | 202 | | | 202 | | | | | |
| - Rheumatology | 3 | 129 | | 129 | | | | | | |
| Sleep medicine (multidisciplinary) | 3/4/5 | 96 | 96 | | | | | | | |
| - Transplant hepatology | 6 | 66 | 66 | | | | | | | |
| Medical genetics and genomics | 2/0 | 47 | | 47 | | | | | | |
| - Medical biochemical genetics | 4 | 22 | 22 | | | | | | | |
| - Molecular genetic pathology (multidisciplinary) | 4 | 42 | 42 | | | | | | | |
| Neurological surgery | 0 | 117 | | | | | | | 11 | |
| - Neuroendovascular intervention | 6 | 3 | 3 | | | | | | | |

TABLE A.11 Continued

Total Number of Programs, Years of Accredited Prior Training Required, and Length of Accredited Education and Training by Specialty and Subspecialty

| | | | Length of Accredited Education and Training | | | | | | |
|---|-------------|-----------|---|----|-----|------|-----|---|----------|
| Specialty | MIN No. of | Total | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Prior Years | Programs | # | # | # | # | # | # | # |
| Neurology | 1/0 | 180 | | | 49 | 131 | | | |
| - Clinical neurophysiology | 4 | 95 | 95 | | | | | | |
| - Epilepsy | 3 | 95 | 95 | | | | | | |
| - Neurocritical care (multidisciplinary) | 3/4 | 35 | | 35 | | | | | |
| - Neuroendovascular intervention | 5 | 2 | 2 | | | | | | |
| - Neurodevelopmental disabilities | 2 | 8 | | | | 8 | | | |
| - Neuromuscular medicine | 4 | 55 | 55 | | | | | | |
| - Vascular neurology | 4 | 112 | 112 | | | | | | |
| Child neurology | 2 | 80 | | | 80 | | | | |
| Nuclear medicine | 1 | 36 | | | 36 | | | | |
| Obstetrics and gynecology | 0 | 302 | | | | 302 | | | |
| - Female pelvic medicine and reconstructive surgery | 4 | 57 | | | 57 | | | | |
| - Gynecologic oncology | 4 | 71 | | | 71 | | | | |
| - Maternal-fetal medicine | 4 | 104 | | | 104 | | | | |
| - Reproductive endocrinology and infertility | 4 | 49 | | | 49 | | | | |
| - Complex family planning | 4 | 32 | | 32 | | | | | |
| Ophthalmology | 1 | 125 | | 54 | 76 | 49 | | | |
| - Ophthalmic plastic and reconstructive surgery | 4 | 4 | | 4 | 10 | 15 | | | |
| Orthopaedic surgery | 0 | 208 | | 1 | | | 208 | | |
| - Adult reconstructive orthopaedics | 5 | 25 | 25 | | | | 200 | | |
| - Foot and ankle orthopaedics | 5 | 8 | 8 | | | | | | |
| - Hand surgery | 5 | 74 | 74 | | | | | | |
| - Musculoskeletal oncology | 5 | 12 | 12 | | | | | | |
| - Orthopaedic sports medicine | 5 | 93 | 93 | | | | | | |
| - Orthopaedic sports medicine - Orthopaedic surgery of the spine | 5 | 15 | 95 15 | | | | | | |
| - Orthopaedic surgery of the spine | 5 | 15 | 15 | | | | | | |
| - Pediatric orthopaedics | 5 | 25 | 25 | | | | | | |
| | 0 | 25 | 25 | | 90 | | | | |
| Osteopathic neuromusculoskeletal medicine | - | 20 131 | | | 26 | | 101 | | |
| Otolaryngology - head and neck surgery | 0 | | | 90 | | | 131 | | |
| - Neurotology | 5 | 29 | 9.4 | 29 | | | | | |
| - Pediatric otolaryngology | 5 | 34 | 34 | | 1 | 1.45 | | | |
| Pathology-anatomic and clinical | 0 | 146 | ~ 1 | | 1 | 145 | | | |
| - Blood banking/transfusion medicine | 2 | 54 | 54 | 10 | | | | | |
| - Clinical informatics | 2 | 10 | | 10 | | | | | |
| - Chemical pathology | 2 | 4 | 4 | | | | | | |
| - Cytopathology | 2 | 93 | 93 | | | | | | |
| - Forensic pathology | 2 | 49 | 49 | | | | | | |
| - Hematopathology | 2 | 87 | 87 | | | | | | |
| - Medical microbiology | 4 | 16 | 16 | | | | | | |
| - Neuropathology | 2 | 40 | | 40 | | | | | <u> </u> |
| - Pediatric pathology | 2 | 27 | 27 | | | | | | |
| - Selective pathology | 2 | 124 | 124 | | | | | | |
| Pediatrics | 0 | 213 | | | 213 | | | | |
| - Adolescent medicine | 3 | 34 | | | 34 | | | | |
| - Child abuse pediatrics | 3 | 32 | | | 32 | | | | L |
| - Clinical informatics | 3 | 9 | | 9 | | | | | L |
| - Developmental-behavioral pediatrics | 3 | 44 | | | 44 | | | | |
| - Neonatal-perinatal medicine | 3 | 110 | | | 110 | | | | |
| - Pediatric cardiology | 3 | 64 | | | 64 | | | | |
| - Pediatric critical care medicine | 3 | 76 | | | 76 | | | | |
| - Pediatric emergency medicine | 3 | 58 | | | 58 | | | | |
| - Pediatric endocrinology | 3 | 73 | | | 73 | | | | |
| - Pediatric gastroenterology | 3 | 67 | | | 67 | | | | |
| - Pediatric hematology/oncology | 3 | 78 | | | 78 | | | | |
| - Pediatric infectious diseases | 3 | 64 | | | 64 | | | | |
| - Pediatric nephrology | 3 | 48 | | | 48 | | | | |

TABLE A.11 Continued

Total Number of Programs, Years of Accredited Prior Training Required, and Length of Accredited Education and Training by Specialty and Subspecialty

| | | | Length of Accredited Education and Training | | | | | | |
|--|-------------|----------|---|-----|----|-----|-----|----|---|
| Specialty | MIN No. of | Total | 1 | 2 | 3 | 4 | 5 | 6 | , |
| | Prior Years | Programs | # | # | # | # | # | # | ÷ |
| Pediatric pulmonology | 3 | 57 | | | 57 | | | | |
| - Pediatric rheumatology | 3 | 37 | | | 37 | | | | |
| - Sports medicine | 3 | 17 | 17 | | | | | | |
| Pediatric transplant hepatology | 6 | 17 | 17 | | | | | | |
| - Pediatric hospital medicine | 3 | 68 | | 68 | | | | | |
| Physical medicine and rehabilitation | 1/0 | 101 | | | 54 | 47 | | | |
| - Brain injury medicine | 3/4 | 27 | 27 | | | | | | |
| -Neuromuscular medicine | 3/4 | 1 | 1 | | | | | | |
| - Spinal cord injury medicine | 3/4 | 26 | 26 | | | | | | |
| - Pediatric rehabilitation medicine | 4 | 22 | | 22 | | | | | |
| - Sports medicine | 3/4 | 22 | 22 | | | | | | |
| Plastic surgery | 3 | 49 | | | 49 | | | | |
| Plastic surgery - integrated | 0 | 89 | | | 10 | | | 89 | |
| - Craniofacial surgery | 6 | 9 | 9 | | | | | 00 | |
| - Hand surgery | 5 | 19 | 19 | | | | | | |
| Public health and general preventive medicine | 1/0 | 43 | 15 | 41 | 2 | | | | |
| Aerospace medicine | 1/0 | 5 | | 5 | 4 | | | | |
| Occupational and environmental medicine | 1/0 | 23 | | 23 | | | | | |
| | 3 | 1 | 1 | 23 | | | | | |
| - Undersea and hyperbaric medicine Psychiatry | 0 | 304 | 1 | | | 303 | | | |
| - Addiction medicine (multidisciplinary) | | | 96 | | | 303 | | | |
| | 1/2/3/4 | 96 | | 1 | | | | | |
| Addiction psychiatry | 4 | 55 | 54 | 1 | | | | | |
| Child and adolescent psychiatry | 3 | 153 | 40 | 153 | | | | | |
| Forensic psychiatry | 4 | 49 | 49 | 1 | | | | | |
| Geriatric psychiatry | 4 | 63 | 62 | 1 | | | | | |
| - Consultation-liaison psychiatry | 4 | 67 | 67 | | | 00 | | | |
| Radiation oncology | 1 | 90 | | | | 90 | _ | | |
| Radiology-diagnostic | 1 | 199 | 10 | | | 192 | 7 | | |
| - Abdominal radiology | 5 | 13 | 13 | | | | | | |
| - Neuroendovascular intervention | 5 | 3 | 3 | | | | | | |
| - Musculoskeletal radiology | 5 | 21 | 21 | | | | | | |
| Neuroradiology | 5 | 91 | 91 | | | | | | |
| - Nuclear radiology | 5 | 19 | 19 | | | | | | |
| Pediatric radiology | 5 | 46 | 46 | | | | | | |
| Interventional radiology - independent | 4 | 94 | | 94 | | | | | |
| Interventional radiology - integrated | 1 | 95 | | | | | 90 | 5 | |
| Surgery | 0 | 363 | | | | | 363 | | |
| Complex general surgical oncology | 5 | 34 | | 34 | | | | | |
| - Hand surgery | 5 | 2 | 2 | | | | | | |
| Pediatric surgery | 5 | 51 | | 51 | | | | | |
| - Surgical critical care | 3 | 162 | 162 | | | | | | |
| - Vascular surgery | 5 | 119 | | 119 | | | | | |
| Vascular surgery - integrated | 0 | 76 | | | | | 76 | | |
| Thoracic surgery | 5 | 75 | | 53 | 22 | | | | |
| Congenital cardiac surgery | 7 | 17 | 17 | | | | | | |
| Thoracic surgery - integrated | 0 | 34 | | | | | | 34 | |
| Urology | 0/1 | 150 | | | | | 150 | | |
| - Female pelvic medicine and reconstructive surgery | 3/4 | 17 | | | 17 | | | | |
| Pediatric urology | 5 | 26 | | 26 | | | | | |
| Transitional year | 0 | 188 | 188 | | | | | | |
| Internal medicine/Pediatrics | 0 | 77 | | | | 77 | | | |
| Health care administration, leadership, and management | 1 | 2 | | 2 | | | | | |

| TABLE | A.12 |
|-------|------|
|-------|------|

| Specialty | Total Programs | Programs with Osteopathic Recognition | Percent of Specialty | Percent of All Programs with Osteopathic Recognition |
|---|----------------|--|----------------------|--|
| OVERALL | 13,066 | 253 | 1.9% | 100.0% |
| TOTAL PIPELINE | 5,382 | 235 | 4.4% | 92.9% |
| Allergy and immunology | 87 | 1 | 1.1% | 0.4% |
| Anesthesiology | 165 | 3 | 1.8% | 1.2% |
| Dermatology | 144 | 4 | 2.8% | 1.6% |
| Emergency medicine | 287 | 5 | 1.7% | 2.0% |
| Family medicine | 756 | 166 | 22.0% | 65.6% |
| - Hospice and palliative medicine (multidisciplinary) | 191 | 2 | 1.0% | 0.8% |
| - Sports medicine | 171 | 4 | 2.3% | 1.6% |
| Internal medicine | 627 | 27 | 4.3% | 10.7% |
| Cardiovascular disease | 273 | 2 | 0.7% | 0.8% |
| - Geriatric medicine | 119 | 1 | 0.8% | 0.4% |
| Pulmonary disease and critical care medicine | 202 | 1 | 0.5% | 0.4% |
| Neurological surgery | 117 | 1 | 0.9% | 0.4% |
| Neurology | 180 | 1 | 0.6% | 0.4% |
| Obstetrics and gynecology | 302 | 6 | 2.0% | 2.4% |
| Orthopaedic surgery | 208 | 5 | 2.4% | 2.0% |
| Otolaryngology - head and neck surgery | 131 | 3 | 2.3% | 1.2% |
| Pediatrics | 213 | 3 | 1.4% | 1.2% |
| - Sports medicine | 17 | 1 | 5.9% | 0.4% |
| Physical medicine and rehabilitation | 101 | 1 | 1.0% | 0.4% |
| Plastic surgery | 49 | 1 | 2.0% | 0.4% |
| Psychiatry | 304 | 2 | 0.7% | 0.8% |
| Radiology-diagnostic | 199 | 1 | 0.5% | 0.4% |
| Surgery | 363 | 4 | 1.1% | 1.6% |
| Urology | 150 | 1 | 0.7% | 0.4% |
| Transitional year | 188 | 6 | 3.2% | 2.4% |
| Internal medicine/Pediatrics | 77 | 1 | 1.3% | 0.4% |

| TABLE A.13 | |
|--|----------------|
| Number of Medically Related Specialty Programs | |
| Specialty | Total Programs |
| OVERALL | 57 |
| Clinical biochemical genetics | 17 |
| Laboratory genetics and genomics | 40 |

Program Characteristics

This section summarizes the geographic distribution of programs overall and by specialty, the distribution of programs and residents by specialty group, and the average number of residents per program overall and by specialty.

Geographic Distribution

There are currently ACGME-accredited programs in all 50 states, the District of Columbia (DC), and Puerto Rico. Based on the most recent US Census estimate for 2022, there are approximately 3.88 total programs (1.70 specialty, 2.19 subspecialty) per 100,000 population, including Puerto Rico. The following states have the highest total number of programs:

- New York (1,432)
- California (1,178)
- Texas (869)
- Pennsylvania (834)

States with the lowest number of programs include Montana (5), Wyoming (4), and Alaska (3). These patterns are consistent when looking at total programs, specialty programs, and pipeline programs by state. Family medicine is currently the only specialty represented across all 50 states, DC, and Puerto Rico.

Distributions by Specialty and Program Size

In looking at the distribution of specialty programs and their active residents, the specialties with the highest percentage of total programs include:

- Family medicine (13.2%)
- Internal medicine (11.0%)
- Surgery (6.4%)
- Psychiatry (5.3%)

In contrast, the specialties with the highest percentage of total residents include:

- Internal medicine (24.5%)
- Family medicine (11.5%)
- Pediatrics (7.3%)
- Surgery (7.3%)

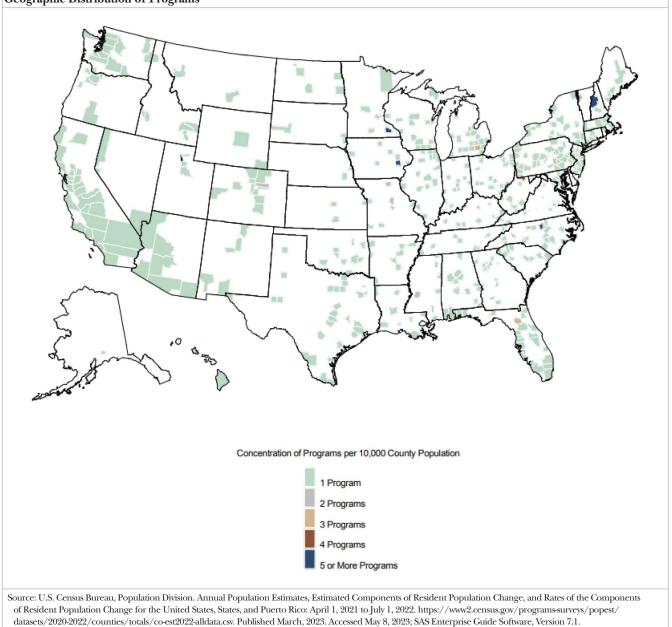
These distributions are driven by total number of programs and average program size (average number of residents per program). Internal medicine programs, for example, have an average of approximately 51 residents per program, with at least one program having 221 active residents during the 2022-2023 academic year. Pediatrics has the second highest average number of residents per program with approximately 45 residents per program. Overall, the trends in mean number of residents per program show that for specialty programs, the average number of residents per program peaked at 24 in the 2014-2015 academic year but has fallen to 22.6 in the 2022-2023 academic year. The average size of subspecialty programs has remained fairly constant over the last 10 years. In the 2022-2023 academic year, there were approximately 3.8 residents per subspecialty program.

Distributions by Specialty Group

The distribution of programs by specialty group differs in specialty versus subspecialty programs. Of the total number of specialty programs, 45.5% of programs are in medical specialties, 31.3% are in surgical specialties, and 23.2% are in hospital-based specialties. Among subspecialty programs, 65.6% of programs are in medical subspecialties, 15.0% are in surgical subspecialties, and 19.4% are in hospital-based subspecialties. The relative patterns in the distributions of residents across specialty groups can be attributed to both the number of programs and average number of residents per program in the medical, surgical, and hospital-based disciplines. \wedge

FIGURE B.1

Geographic Distribution of Programs



| Number of Programs and Program Concentration per 100,000 Population by State | | | | | | | | | | |
|--|--------------------|--|----------------|----------------------------|-----------------------------|--|--|--|--|--|
| State Name | State Abbreviation | State Population - Census Estimate 2022 | Total Programs | Percent of All Programs | Programs per 100,000 Pop | | | | | |
| OVERALL | - | 336,509,346 | 13,066 | 100.0% | 3.88 | | | | | |
| Alabama | AL | 5,074,296 | 152 | 1.2% | 3.00 | | | | | |
| Alaska | AK | 733,583 | 3 | 0.0% | 0.41 | | | | | |
| Arizona | AZ | 7,359,197 | 218 | 1.7% | 2.96 | | | | | |
| Arkansas | AR | 3,045,637 | 96 | 0.7% | 3.15 | | | | | |
| California | CA | 39,029,342 | 1,178 | 9.0% | 3.02 | | | | | |
| Colorado | CO | 5,839,926 | 149 | 1.1% | 2.55 | | | | | |
| Connecticut | CT | 3,626,205 | 212 | 1.6% | 5.85 | | | | | |
| Delaware | DE | 1,018,396 | 43 | 0.3% | 4.22 | | | | | |
| District of Columbia | DC | 671,803 | 148 | 1.1% | 22.03 | | | | | |
| Florida | FL | 22,244,823 | 730 | 5.6% | 3.28 | | | | | |
| Georgia | GA | 10,912,876 | 258 | 2.0% | 2.36 | | | | | |
| Hawaii | HI | 1,440,196 | 33 | 0.3% | 2.29 | | | | | |
| Idaho | ID | 1,939,033 | 17 | 0.1% | 0.88 | | | | | |
| Illinois | IL | 12,582,032 | 561 | 4.3% | 4.46 | | | | | |
| Indiana | IN | 6,833,037 | 146 | 1.1% | 2.14 | | | | | |
| Iowa | IA | 3,200,517 | 109 | 0.8% | 3.41 | | | | | |
| Kansas | KS | 2,937,150 | 82 | 0.6% | 2.79 | | | | | |
| Kentucky | KY | 4,512,310 | 155 | 1.2% | 3.44 | | | | | |
| Louisiana | LA | 4,590,241 | 192 | 1.5% | 4.18 | | | | | |
| Maine | ME | 1,385,340 | 40 | 0.3% | 2.89 | | | | | |
| Maryland | MD | 6,164,660 | 273 | 2.1% | 4.43 | | | | | |
| Massachusetts | MA | 6,981,974 | 495 | 3.8% | 7.09 | | | | | |
| Michigan | MI | 10,034,113 | 598 | 4.6% | 5.96 | | | | | |
| Minnesota | MN | 5,717,184 | 237 | 1.8% | 4.15 | | | | | |
| Mississippi | MS | 2,940,057 | 86 | 0.7% | 2.93 | | | | | |
| Missouri | MO | 6,177,957 | 301 | 2.3% | 4.87 | | | | | |
| Montana | MT | 1,122,867 | 5 | 0.0% | 0.45 | | | | | |
| Nebraska | NE | 1,967,923 | 95 | 0.7% | 4.83 | | | | | |
| Nevada | NV | 3,177,772 | 62 | 0.5% | 1.95 | | | | | |
| New Hampshire | NH | 1,395,231 | 56 | 0.4% | 4.01 | | | | | |
| New Jersey | NJ | 9,261,699 | 337 | 2.6% | 3.64 | | | | | |
| New Mexico | NM | 2,113,344 | 74 | 0.6% | 3.50 | | | | | |
| New York | NY | 19,677,151 | 1,432 | 11.0% | 7.28 | | | | | |
| North Carolina | NC | 10,698,973 | 377 | 2.9% | 3.52 | | | | | |
| North Dakota | ND | 779,261 | 16 | 0.1% | 2.05 | | | | | |
| Ohio | OH | 11,756,058 | 658 | 5.0% | 5.60 | | | | | |
| Ohlo Oklahoma | OK | 4,019,800 | 106 | 0.8% | 2.64 | | | | | |
| | OR | 4,019,800 | 110 | 0.8% | 2.04 | | | | | |
| Oregon Pennsylvania | PA | 12,972,008 | 834 | 6.4% | 6.43 | | | | | |
| Puerto Rico | PR | 3,221,789 | 76 | 0.4% | 2.36 | | | | | |
| Rhode Island | RI | 1,093,734 | 76 75 | 0.6% | 6.86 | | | | | |
| South Carolina | SC | 5,282,634 | 167 | | 3.16 | | | | | |
| South Carolina South Dakota | SD | 909,824 | 167 | 1.3% 0.1% | 3.16 | | | | | |
| | | 7,051,339 | 246 | | | | | | | |
| Tennessee | TN | , , | 246 869 | 1.9% | 3.49 | | | | | |
| Texas | TX | 30,029,572 | | 6.7% | 2.89 | | | | | |
| Utah | UT | 3,380,800 | 101 | 0.8% | 2.99 | | | | | |
| Vermont | VT | 647,064 | 41 | 0.3% | 6.34 | | | | | |
| Virginia | VA | 8,683,619 | 280 | 2.1% | 3.22 | | | | | |
| Washington | WA | 7,785,786 | 194 | 1.5% | 2.49 | | | | | |
| West Virginia | WV | 1,775,156 | 99 | 0.8% | 5.58 | | | | | |
| Wisconsin Wyoming | WI WY | 5,892,539 581,381 | <u> </u> | 1.7% 0.0% | 3.82 0.69 | | | | | |

Source: U.S. Census Bureau, Population Division. Annual Population Estimates, Estimated Components of Resident Population Change, and Rates of the Components of Resident Population Change for the United States, States, and Puerto Rico: April 1, 2021 to July 1, 2022. https://www2.census.gov/programs-surveys/popest/datasets/2020-2022/state/totals/NST-EST2022-ALLDATA.csv. Published March, 2023. Accessed May 8, 2023; SAS Enterprise Guide Software, Version 7.1.

Number of Specialty Programs and Specialty Program Concentration per 100,000 Population by State

| State Name | State Abbreviation | State Population - Census Estimate 2022 | Total Specialty Programs | Percent of All Specialty Programs | Specialty Programs per 100,000 Pop |
|----------------------|--------------------|--|-----------------------------|--------------------------------------|---------------------------------------|
| OVERALL | - | 336,509,346 | 5,706 | 100.0% | 1.70 |
| Alabama | AL | 5,074,296 | 70 | 1.2% | 1.38 |
| Alaska | AK | 733,583 | 1 | 0.0% | 0.14 |
| Arizona | AZ | 7,359,197 | 91 | 1.6% | 1.24 |
| Arkansas | AR | 3,045,637 | 53 | 0.9% | 1.74 |
| California | CA | 39,029,342 | 502 | 8.8% | 1.29 |
| Colorado | CO | 5,839,926 | 59 | 1.0% | 1.01 |
| Connecticut | CT | 3,626,205 | 80 | 1.4% | 2.21 |
| Delaware | DE | 1,018,396 | 20 | 0.4% | 1.96 |
| District of Columbia | DC | 671,803 | 54 | 0.9% | 8.04 |
| Florida | FL | 22,244,823 | 348 | 6.1% | 1.56 |
| Georgia | GA | 10,912,876 | 123 | 2.2% | 1.13 |
| Hawaii | HI | 1,440,196 | 21 | 0.4% | 1.46 |
| Idaho | ID | 1,939,033 | 13 | 0.2% | 0.67 |
| Illinois | IL | 12,582,032 | 247 | 4.3% | 1.96 |
| Indiana | IN | 6,833,037 | 62 | 1.1% | 0.91 |
| Iowa | IA | 3,200,517 | 46 | 0.8% | 1.44 |
| Kansas | KS | 2,937,150 | 38 | 0.7% | 1.29 |
| Kentucky | KY | 4,512,310 | 63 | 1.1% | 1.40 |
| Louisiana | LA | 4,590,241 | 95 | 1.7% | 2.07 |
| Maine | ME | 1,385,340 | 23 | 0.4% | 1.66 |
| Maryland | MD | 6,164,660 | 108 | 1.9% | 1.75 |
| Massachusetts | MA | 6,981,974 | 171 | 3.0% | 2.45 |
| Michigan | MI | 10,034,113 | 319 | 5.6% | 3.18 |
| Minnesota | MN | 5,717,184 | 72 | 1.3% | 1.26 |
| Mississippi | MS | 2,940,057 | 45 | 0.8% | 1.53 |
| Missouri | MO | 6,177,957 | 112 | 2.0% | 1.81 |
| Montana | MT | 1,122,867 | 3 | 0.1% | 0.27 |
| Nebraska | NE | 1,967,923 | 39 | 0.7% | 1.98 |
| Nevada | NV | 3,177,772 | 38 | 0.7% | 1.20 |
| New Hampshire | NH | 1,395,231 | 26 | 0.5% | 1.86 |
| New Jersey | NJ | 9,261,699 | 181 | 3.2% | 1.95 |
| New Mexico | NM | 2,113,344 | 28 | 0.5% | 1.32 |
| New York | NY | 19,677,151 | 593 | 10.4% | 3.01 |
| North Carolina | NC | 10,698,973 | 150 | 2.6% | 1.40 |
| North Dakota | ND | 779,261 | 12 | 0.2% | 1.54 |
| Ohio | OH | 11,756,058 | 288 | 5.0% | 2.45 |
| Oklahoma | OK | 4,019,800 | 61 | 1.1% | 1.52 |
| Oregon | OR | 4,240,137 | 45 | 0.8% | 1.06 |
| Pennsylvania | PA | 12,972,008 | 367 | 6.4% | 2.83 |
| Puerto Rico | PR | 3,221,789 | 46 | 0.8% | 1.43 |
| Rhode Island | RI | 1,093,734 | 25 | 0.4% | 2.29 |
| South Carolina | SC | 5,282,634 | 81 | 1.4% | 1.53 |
| South Dakota | SD | 909,824 | 10 | 0.2% | 1.10 |
| Tennessee | TN | 7,051,339 | 104 | 1.8% | 1.47 |
| Texas | TX | 30,029,572 | 364 | 6.4% | 1.21 |
| Utah | UT | 3,380,800 | 33 | 0.6% | 0.98 |
| Vermont | VT | 647,064 | 16 | 0.3% | 2.47 |
| Virginia | VA | 8,683,619 | 126 | 2.2% | 1.45 |
| Washington | WA | 7,785,786 | 90 | 1.6% | 1.16 |
| West Virginia | WX | 1,775,156 | 52 | 0.9% | 2.93 |
| Wisconsin | WV | 5,892,539 | 89 | 1.6% | 1.51 |
| Wyoming | WI | 5,692,559 | 3 | 0.1% | 0.52 |

| Number of Subspecial | ty Programs and Subs | pecialty Program Conc | entration per 100. | 000 Population by S | tate |
|----------------------|----------------------|--|--------------------------------|---|---|
| State Name | State Abbreviation | State Population - Census Estimate 2022 | Total Subspecialty Programs | Percent of All Subspecialty Programs | Subspecialty Programs pe 100,000 Pop |
| OVERALL | _ | 336,509,346 | 7,360 | 100.0% | 2.19 |
| Alabama | AL | 5,074,296 | 82 | 1.1% | 1.62 |
| Alaska | AK | 733,583 | 2 | 0.0% | 0.27 |
| Arizona | AZ | 7,359,197 | 127 | 1.7% | 1.73 |
| Arkansas | AR | 3,045,637 | 43 | 0.6% | 1.41 |
| California | CA | 39,029,342 | 676 | 9.2% | 1.73 |
| Colorado | CO | 5,839,926 | 90 | 1.2% | 1.54 |
| Connecticut | CT | 3,626,205 | 132 | 1.8% | 3.64 |
| Delaware | DE | 1,018,396 | 23 | 0.3% | 2.26 |
| District of Columbia | DC | 671,803 | 94 | 1.3% | 13.99 |
| Florida | FL | 22,244,823 | 382 | 5.2% | 1.72 |
| Georgia | GA | 10,912,876 | 135 | 1.8% | 1.24 |
| Hawaii | HI | 1,440,196 | 135 | 0.2% | 0.83 |
| Idaho | ID | 1,939,033 | 4 | 0.1% | 0.85 |
| Illinois | IL | 12,582,032 | 314 | 4.3% | 2.50 |
| Indiana | IL IN | 6,833,037 | 84 | 4.5% | 1.23 |
| Iowa | IA | 3,200,517 | 63 | 0.9% | 1.23 |
| Kansas | KS | 2,937,150 | 44 | 0.6% | 1.50 |
| | KS KY | | 92 | | 2.04 |
| Kentucky | | 4,512,310 | | 1.3% | |
| Louisiana | LA | 4,590,241 | 97 | 1.3% | 2.11 |
| Maine | ME | 1,385,340 | 17 | 0.2% | 1.23 |
| Maryland | MD | 6,164,660 | 165 | 2.2% | 2.68 |
| Massachusetts | MA | 6,981,974 | 324 | 4.4% | 4.64 |
| Michigan | MI | 10,034,113 | 279 | 3.8% | 2.78 |
| Minnesota | MN | 5,717,184 | 165 | 2.2% | 2.89 |
| Mississippi | MS | 2,940,057 | 41 | 0.6% | 1.39 |
| Missouri | MO | 6,177,957 | 189 | 2.6% | 3.06 |
| Montana | MT | 1,122,867 | 2 | 0.0% | 0.18 |
| Nebraska | NE | 1,967,923 | 56 | 0.8% | 2.85 |
| Nevada | NV | 3,177,772 | 24 | 0.3% | 0.76 |
| New Hampshire | NH | 1,395,231 | 30 | 0.4% | 2.15 |
| New Jersey | NJ | 9,261,699 | 156 | 2.1% | 1.68 |
| New Mexico | NM | 2,113,344 | 46 | 0.6% | 2.18 |
| New York | NY | 19,677,151 | 839 | 11.4% | 4.26 |
| North Carolina | NC | 10,698,973 | 227 | 3.1% | 2.12 |
| North Dakota | ND | 779,261 | 4 | 0.1% | 0.51 |
| Ohio | OH | 11,756,058 | 370 | 5.0% | 3.15 |
| Oklahoma | OK | 4,019,800 | 45 | 0.6% | 1.12 |
| Oregon | OR | 4,240,137 | 65 | 0.9% | 1.53 |
| Pennsylvania | PA | 12,972,008 | 467 | 6.3% | 3.60 |
| Puerto Rico | PR | 3,221,789 | 30 | 0.4% | 0.93 |
| Rhode Island | RI | 1,093,734 | 50 | 0.7% | 4.57 |
| South Carolina | SC | 5,282,634 | 86 | 1.2% | 1.63 |
| South Dakota | SD | 909,824 | 5 | 0.1% | 0.55 |
| Tennessee | TN | 7,051,339 | 142 | 1.9% | 2.01 |
| Texas | TX | 30,029,572 | 505 | 6.9% | 1.68 |
| Utah | UT | 3,380,800 | 68 | 0.9% | 2.01 |
| Vermont | VT | 647,064 | 25 | 0.3% | 3.86 |
| Virginia | VA | 8,683,619 | 154 | 2.1% | 1.77 |
| Washington | WA | 7,785,786 | 104 | 1.4% | 1.34 |
| West Virginia | WV | 1,775,156 | 47 | 0.6% | 2.65 |
| Wisconsin | WI | 5,892,539 | 136 | 1.8% | 2.31 |
| Wyoming | WY | 581,381 | 1 | 0.0% | 0.17 |

| Number of Pipeline P | rograms and Pineline | Program Concentration | per 100 000 Por | ulation by State | |
|----------------------|----------------------|--|----------------------------|-------------------------------------|--------------------------------------|
| State Name | State Abbreviation | State Population - Census Estimate 2022 | Total Pipeline Programs | Percent of All Pipeline Programs | Pipeline Programs per 100,000 Pop |
| OVERALL | | 336,509,346 | 5,382 | 100.0% | 1.60 |
| Alabama | AL | 5,074,296 | 66 | 1.2% | 1.30 |
| Alaska | AK | 733,583 | 1 | 0.0% | 0.14 |
| Arizona | AZ | 7,359,197 | 86 | 1.6% | 1.17 |
| Arkansas | AR | 3,045,637 | 50 | 0.9% | 1.64 |
| California | CA | 39,029,342 | 479 | 8.9% | 1.01 |
| Colorado | CO | 5,839,926 | 55 | 1.0% | 0.94 |
| Connecticut | CT | 3,626,205 | 77 | 1.4% | 2.12 |
| Delaware | DE | 1,018,396 | 19 | 0.4% | 1.87 |
| District of Columbia | DE | 671,803 | 55 | 1.0% | 8.19 |
| Florida | FL FL | 22,244,823 | 320 | 5.9% | 1.44 |
| | | | | | |
| Georgia | GA | 10,912,876 | 111 | 2.1% | 1.02 |
| Hawaii | HI | 1,440,196 | 20 | 0.4% | 1.39 |
| daho | ID | 1,939,033 | 13 | 0.2% | 0.67 |
| llinois | IL | 12,582,032 | 234 | 4.3% | 1.86 |
| Indiana | IN | 6,833,037 | 56 | 1.0% | 0.82 |
| owa | IA | 3,200,517 | 43 | 0.8% | 1.34 |
| Kansas | KS | 2,937,150 | 37 | 0.7% | 1.26 |
| Kentucky | KY | 4,512,310 | 60 | 1.1% | 1.33 |
| Louisiana | LA | 4,590,241 | 89 | 1.7% | 1.94 |
| Maine | ME | 1,385,340 | 23 | 0.4% | 1.66 |
| Maryland | MD | 6,164,660 | 102 | 1.9% | 1.65 |
| Massachusetts | MA | 6,981,974 | 158 | 2.9% | 2.26 |
| Michigan | MI | 10,034,113 | 297 | 5.5% | 2.96 |
| Minnesota | MN | 5,717,184 | 68 | 1.3% | 1.19 |
| Mississippi | MS | 2,940,057 | 42 | 0.8% | 1.43 |
| Missouri | MO | 6,177,957 | 109 | 2.0% | 1.76 |
| Montana | MT | 1,122,867 | 3 | 0.1% | 0.27 |
| Nebraska | NE | 1,967,923 | 37 | 0.7% | 1.88 |
| Nevada | NV | 3,177,772 | 36 | 0.7% | 1.13 |
| New Hampshire | NH | 1,395,231 | 27 | 0.5% | 1.94 |
| New Jersey | NJ | 9,261,699 | 171 | 3.2% | 1.85 |
| New Mexico | NM | 2,113,344 | 28 | 0.5% | 1.32 |
| New York | NY | 19,677,151 | 561 | 10.4% | 2.85 |
| North Carolina | NC | 10,698,973 | 141 | 2.6% | 1.32 |
| North Dakota | ND | 779,261 | 11 | 0.2% | 1.41 |
| Ohio | OH | 11,756,058 | 269 | 5.0% | 2.29 |
| Oklahoma | OK | 4,019,800 | 61 | 1.1% | 1.52 |
| Oregon | OR | 4,240,137 | 42 | 0.8% | 0.99 |
| Pennsylvania | PA | 12,972,008 | 344 | 6.4% | 2.65 |
| Puerto Rico | PR | 3,221,789 | 41 | 0.4% | 1.27 |
| Rhode Island | RI | 1,093,734 | 24 | 0.8% | 2.19 |
| South Carolina | SC | 5,282,634 | 76 | 1.4% | 1.44 |
| South Dakota | SD SD | 909,824 | 9 | 0.2% | 0.99 |
| | | 7,051,339 | | | |
| Tennessee | TN | | 98 | 1.8% | 1.39 |
| Texas | TX | 30,029,572 | 346 | 6.4% | 1.15 |
| Jtah | UT | 3,380,800 | 31 | 0.6% | 0.92 |
| Vermont | VT | 647,064 | 17 | 0.3% | 2.63 |
| Virginia | VA | 8,683,619 | 118 | 2.2% | 1.36 |
| Washington | WA | 7,785,786 | 85 | 1.6% | 1.09 |
| West Virginia | WV | 1,775,156 | 49 | 0.9% | 2.76 |
| Wisconsin | WI | 5,892,539 | 84 | 1.6% | 1.43 |
| Wyoming | WY | 581,381 | 3 | 0.1% | 0.52 |

Hospital-Based Specialty Programs by Specialty and State

| State Name | State Abbreviation | AN | EM | MG | NM | РТН | GPM | RO | DR | IRI | TY | Total |
|----------------------|-----------------------|-----|--------|----|----|-----|-----|-----|-----|-----|-----|-------|
| OVERALL | - | 165 | 287 | 47 | 36 | 146 | 43 | 90 | 199 | 95 | 188 | 1,324 |
| Alabama | AL | 1 | 2 | 1 | 1 | 3 | 0 | 1 | 3 | 1 | 2 | 12 |
| Alaska | AK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (|
| Arizona | AZ | 2 | 6 | 1 | 0 | 1 | 0 | 2 | 3 | 3 | 3 | 2 |
| Arkansas | AR | 1 | 2 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 3 | 11 |
| California | CA | 16 | 26 | 6 | 6 | 11 | 5 | 11 | 19 | 9 | 11 | 123 |
| Colorado | CO | 2 | 1 | 1 | 0 | 2 | 1 | 1 | 1 | 1 | 1 | 12 |
| Connecticut | CT | 2 | 2 | 1 | 0 | 3 | 1 | 1 | 6 | 1 | 1 | 19 |
| Delaware | DE | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | |
| District of Columbia | DC | 2 | 2 | 1 | 0 | 3 | 0 | 1 | 2 | 2 | 0 | 15 |
| Florida | FL | 12 | 22 | 1 | 1 | 8 | 1 | 4 | 11 | 4 | 21 | 8 |
| Georgia | GA | 2 | 5 | 1 | 1 | 2 | 3 | 1 | 3 | 2 | 8 | 28 |
| Hawaii | HI | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 2 |
| Idaho | ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (|
| Illinois | IL IL | 7 | 12 | 1 | 1 | 6 | 1 | 4 | 11 | 4 | 7 | 55 |
| Indiana | IN | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 4 | 12 |
| Iowa | IA | 1 | 2 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 2 | 11 |
| Kansas | KS | 2 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 8 |
| Kentucky | KY | 2 | 2 | 0 | 0 | 2 | 1 | 2 | 2 | 0 | 1 | 12 |
| Louisiana | LA | 4 | 4 | 0 | 0 | 3 | 1 | 0 | 4 | 2 | 0 | 12 |
| Maine | ME | 1 | 4 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 0 | 10 |
| Maryland | MD | 3 | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 2 | 28 |
| Massachusetts | MA | 9 | 5 | 1 | 1 | 8 | 2 | 2 | 10 | 5 | 6 | 50 |
| Michigan | MA | 8 | 26 | 2 | 1 | 5 | 2 | 4 | 10 | 4 | 15 | 77 |
| 0 | MN | 2 | 3 | 1 | 0 | 2 | 1 | 2 | 2 | 2 | 15 | 18 |
| Minnesota | MIN MS | 1 | 3 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 11 |
| Mississippi | | | 5 | | 3 | | | | | | | |
| Missouri | MO | 4 | 5 0 | 1 | 0 | 4 | 0 | 1 0 | 4 | 3 | 1 | 26 |
| Montana | MT | 0 | - | 0 | - | 0 | - | | - | - | 0 | 0 |
| Nebraska | NE | 1 | 1 | 1 | 0 | 2 | 0 | 1 | 2 | 1 | 0 | 9 |
| Nevada | NV | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 8 |
| New Hampshire | NH | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 7 |
| New Jersey | NJ | 5 | 12 | 0 | 0 | 4 | 1 | 1 | 7 | 1 | 8 | 40 |
| New Mexico | NM | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 6 |
| New York | NY | 18 | 31 | 4 | 5 | 17 | 6 | 12 | 25 | 10 | 17 | 146 |
| North Carolina | NC | 3 | 7 | 2 | 1 | 4 | 1 | 3 | 3 | 3 | 5 | 33 |
| North Dakota | ND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Ohio | OH | 9 | 17 | 3 | 0 | 7 | 1 | 4 | 8 | 4 | 9 | 64 |
| Oklahoma | OK | 2 | 5 | 1 | 1 | 1 | 0 | 1 | 3 | 0 | 1 | 15 |
| Oregon | OR | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 9 |
| Pennsylvania | PA | 11 | 24 | 2 | 1 | 8 | 0 | 5 | 11 | 8 | 15 | 86 |
| Puerto Rico | PR | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 4 | 10 |
| Rhode Island | RI | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 6 |
| South Carolina | SC | 2 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 19 |
| South Dakota | SD | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| Tennessee | TN | 3 | 5 | 1 | 1 | 4 | 1 | 2 | 4 | 1 | 2 | 25 |
| Texas | TX | 10 | 18 | 3 | 2 | 10 | 2 | 6 | 12 | 4 | 11 | 81 |
| Utah | UT | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 9 |
| Vermont | VT | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 4 |
| Virginia | VA | 3 | 7 | 1 | 0 | 2 | 0 | 2 | 4 | 2 | 4 | 25 |
| Washington | WA | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 4 | 1 | 3 | 19 |
| West Virginia | WV | 1 | 2 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 9 |
| Wisconsin | WI | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 3 | 3 | 3 | 21 |
| Wyoming | WY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (|

Medical Specialty Programs by Specialty and State

| State Name | State Abbreviation | AI | D | FM | IM | N | CHN | ONM | PD | PM | Р | IP | Tota |
|----------------------|-----------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-------|
| OVERALL | - | 87 | 144 | 756 | 627 | 180 | 80 | 26 | 213 | 101 | 304 | 77 | 2,595 |
| Alabama | AL | 1 | 144 | 12 | 10 | 2 | 1 | 0 | 213 | 101 | 304 | 2 | 2,55 |
| Alaska | AK | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Arizona | AK | 2 | 4 | 12 | 12 | 4 | 1 | 1 | 3 | 1 | 3 | 1 | 4 |
| Arkansas | AR | 1 | 1 | 12 | 11 | 1 | 1 | 0 | 1 | 1 | 3 | 1 | 3 |
| California | CA | 10 | 12 | 76 | 55 | 17 | 8 | 0 | 17 | 6 | 29 | 4 | 23 |
| Colorado | CO | 3 | 12 | 14 | 4 | 2 | 1 | 1 | 17 | 1 | 23 | 1 | 3 |
| Connecticut | CT | 1 | 2 | 5 | 14 | 2 | 1 | 1 | 2 | 1 | 4 | 1 | 3 |
| Delaware | DE | 1 | 0 | 4 | 2 | 0 | 1 | 0 | 1 | 0 | 2 | 1 | 1 |
| District of Columbia | DE | 0 | 3 | 1 | 4 | 3 | 1 | 0 | 2 | 1 | 4 | 1 | 2 |
| Florida | FL | 5 | 11 | 35 | 49 | 14 | 3 | 2 | 14 | 7 | 24 | 2 | 16 |
| | | 2 | | 18 | | 14 | 2 | 0 | | | 8 | 0 | |
| Georgia | GA | | 3 | | 19 | | | | 5 | 1 | | | 6 |
| Hawaii | HI | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 10 |
| Idaho | ID | 0 | 0 | 8 | 2 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 15 |
| Illinois | IL | 3 | 7 | 36 | 25 | 8 | 2 | 0 | 10 | 4 | 12 | 5 | 115 |
| Indiana | IN | 1 | 1 | 15 | 5 | 1 | 1 | 0 | 2 | 2 | 4 | 1 | 3 |
| Iowa | IA | 1 | 1 | 8 | 4 | 1 | 1 | 0 | 2 | 0 | 3 | 0 | 2 |
| Kansas | KS | 1 | 1 | 5 | 3 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 10 |
| Kentucky | KY | 0 | 1 | 9 | 5 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 2 |
| Louisiana | LA | 3 | 2 | 10 | 10 | 4 | 1 | 0 | 4 | 1 | 4 | 3 | 4 |
| Maine | ME | 0 | 0 | 4 | 1 | 1 | 0 | 2 | 1 | 0 | 3 | 1 | 1 |
| Maryland | MD | 3 | 3 | 5 | 13 | 3 | 2 | 0 | 4 | 3 | 4 | 2 | 4 |
| Massachusetts | MA | 4 | 4 | 6 | 16 | 5 | 4 | 1 | 5 | 2 | 11 | 4 | 6 |
| Michigan | MI | 3 | 7 | 40 | 34 | 9 | 3 | 2 | 10 | 6 | 12 | 6 | 13 |
| Minnesota | MN | 1 | 3 | 11 | 4 | 2 | 1 | 0 | 2 | 2 | 3 | 1 | 3 |
| Mississippi | MS | 1 | 1 | 8 | 8 | 1 | 1 | 0 | 1 | 0 | 2 | 1 | 24 |
| Missouri | MO | 3 | 4 | 12 | 10 | 4 | 3 | 1 | 4 | 2 | 5 | 2 | 5 |
| Montana | MT | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Nebraska | NE | 1 | 1 | 5 | 2 | 2 | 0 | 0 | 1 | 1 | 2 | 1 | 1 |
| Nevada | NV | 0 | 0 | 8 | 6 | 2 | 0 | 0 | 1 | 1 | 3 | 0 | 2 |
| New Hampshire | NH | 0 | 1 | 3 | 2 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 10 |
| New Jersey | NJ | 1 | 3 | 21 | 29 | 4 | 2 | 2 | 9 | 2 | 11 | 1 | 8 |
| New Mexico | NM | 0 | 1 | 6 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| New York | NY | 9 | 12 | 38 | 66 | 18 | 10 | 2 | 32 | 16 | 39 | 5 | 24 |
| North Carolina | NC | 3 | 4 | 20 | 14 | 3 | 3 | 1 | 5 | 3 | 9 | 3 | 6 |
| North Dakota | ND | 0 | 0 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 9 |
| Ohio | OH | 5 | 7 | 38 | 32 | 8 | 4 | 2 | 9 | 6 | 11 | 4 | 12 |
| Oklahoma | OK | 0 | 1 | 13 | 5 | 1 | 0 | 1 | 4 | 0 | 4 | 1 | 3 |
| Oregon | OR | 1 | 2 | 9 | 6 | 1 | 1 | 0 | 1 | 0 | 2 | 0 | 2 |
| Pennsylvania | PA | 4 | 8 | 55 | 35 | 13 | 4 | 1 | 8 | 9 | 16 | 4 | 15 |
| Puerto Rico | PR | 1 | 2 | 4 | 8 | 1 | 1 | 0 | 4 | 2 | 2 | 1 | 2 |
| Rhode Island | RI | 1 | 1 | 1 | 4 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| South Carolina | SC | 0 | 1 | 17 | 6 | 3 | 1 | 0 | 3 | 0 | 5 | 2 | 3 |
| South Dakota | SD | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | |
| Tennessee | TN | 2 | 2 | 12 | 10 | 4 | 2 | 0 | 4 | 1 | 5 | 2 | 4 |
| Texas | TX | 4 | 13 | 43 | 40 | 13 | 4 | 2 | 13 | 6 | 19 | 3 | 16 |
| Utah | UT | 0 | 1 | 4 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 |
| Vermont | VT | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | |
| Virginia | VA | 2 | 5 | 17 | 13 | 3 | 2 | 2 | 6 | 3 | 6 | 1 | 6 |
| Washington | WA | 1 | 1 | 27 | 10 | 2 | 1 | 0 | 2 | 2 | 2 | 0 | 4 |
| West Virginia | WV | 1 | 1 | 8 | 4 | 3 | 0 | 1 | 3 | 0 | 3 | 2 | 2 |
| Wisconsin | WI | 1 | 3 | 21 | 5 | 2 | 2 | 0 | 3 | 2 | 4 | 2 | 4 |
| Wyoming | WY | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Surgical Specialty Programs by Specialty and State

| State Name | State Abbreviation | CRS | NS | OBG | ОРН | ORS | ото | PS | PSI | GS | VSI | TS | TSI | U | Total |
|----------------------|-----------------------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|---------|
| OVERALL | | 68 | 117 | 302 | 125 | 208 | 131 | 49 | 89 | 363 | 76 | 75 | 34 | 150 | 1,787 |
| Alabama | - AL | 1 | 117 | 2 | 125 | 3 | 131 | 1 | 1 | 303 | 1 | 15 | 0 | 150 | 1,787 |
| Alabana | AL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Arizona | AK | 1 | 3 | 3 | 1 | 3 | 2 | 0 | 1 | 8 | 1 | 1 | 0 | 2 | 0 26 |
| | | | | | | | | | - | | | | | | |
| Arkansas | AR | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 8 |
| California | CA | 3 | 10 | 23 | 10 | 17 | 11 | 4 | 8 | 26 | 8 | 8 | 5 | 12 | 145 |
| Colorado | CO | 0 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 1 | 0 | 1 | 16 |
| Connecticut | CT | 1 | 2 | 6 | 1 | 2 | 2 | 0 | 1 | 6 | 2 | 1 | 1 | 2 | 27 |
| Delaware | DE | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 |
| District of Columbia | DC | 1 | 2 | 3 | 3 | 3 | 2 | 0 | 1 | 3 | 1 | 0 | 0 | 2 | 21 |
| Florida | FL | 6 | 4 | 16 | 7 | 11 | 4 | 4 | 5 | 26 | 2 | 2 | 1 | 7 | 95 |
| Georgia | GA | 2 | 2 | 7 | 2 | 4 | 2 | 1 | 1 | 8 | 1 | 1 | 1 | 2 | 34 |
| Hawaii | HI | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 8 |
| Idaho | ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | IL | 3 | 7 | 13 | 6 | 7 | 6 | 2 | 6 | 13 | 4 | 4 | 1 | 8 | 80 |
| Indiana | IN | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 17 |
| Iowa | IA | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 14 |
| Kansas | KS | 0 | 1 | 3 | 1 | 2 | 1 | 0 | 1 | 3 | 0 | 1 | 0 | 1 | 14 |
| Kentucky | KY | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 3 | 0 | 2 | 1 | 2 | 24 |
| Louisiana | LA | 3 | 3 | 5 | 3 | 4 | 3 | 1 | 1 | 6 | 1 | 1 | 0 | 4 | 35 |
| Maine | ME | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 5 |
| Maryland | MD | 1 | 4 | 5 | 4 | 5 | 3 | 1 | 1 | 8 | 0 | 2 | 1 | 3 | 38 |
| Massachusetts | MA | 4 | 5 | 6 | 4 | 4 | 5 | 3 | 4 | 10 | 3 | 4 | 1 | 6 | 59 |
| Michigan | MI | 4 | 5 | 25 | 6 | 17 | 8 | 3 | 2 | 24 | 3 | 3 | 1 | 9 | 110 |
| Minnesota | MN | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 2 | 0 | 2 | 24 |
| Mississippi | MS | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 10 |
| Missouri | MO | 1 | 3 | 5 | 4 | 5 | 4 | 0 | 3 | 5 | 2 | 1 | 0 | 3 | 36 |
| Montana | MT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | NE | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 0 | 1 | 0 | 2 | 14 |
| Nevada | NV | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 9 |
| New Hampshire | NH | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 9 |
| New Jersey | NI | 1 | 2 | 16 | 1 | 9 | 2 | 1 | 2 | 13 | 3 | 1 | 0 | 5 | 56 |
| 0 / | | 0 | - | | 0 | 9 | 1 | 0 | 1 | | 0 | 0 | | 1 | 7 |
| New Mexico | NM | | 1 | 1 | | | | | | 1 | | | 0 | | |
| New York | NY | 8 | 12 | 36 | 18 | 19 | 12 | 4 | 8 | 43 | 10 | 8 | 6 | 16 | 200 |
| North Carolina | NC | 0 | 4 | 9 | 3 | 5 | 3 | 1 | 3 | 9 | 3 | 3 | 2 | 4 | 49 |
| North Dakota | ND | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| Ohio | OH | 4 | 4 | 15 | 5 | 17 | 8 | 3 | 4 | 20 | 5 | 4 | 3 | 6 | 98 |
| Oklahoma | OK | 0 | 1 | 5 | 1 | 2 | 2 | 1 | 0 | 3 | 0 | 0 | 0 | 1 | 16 |
| Oregon | OR | 1 | 1 | 1 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 1 | 13 |
| Pennsylvania | PA | 6 | 7 | 18 | 8 | 16 | 11 | 5 | 5 | 26 | 6 | 5 | 2 | 9 | 124 |
| Puerto Rico | PR | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 10 |
| Rhode Island | RI | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 8 |
| South Carolina | SC | 1 | 1 | 4 | 2 | 3 | 1 | 1 | 2 | 6 | 1 | 0 | 1 | 1 | 24 |
| South Dakota | SD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Tennessee | TN | 2 | 2 | 8 | 2 | 4 | 2 | 2 | 1 | 7 | 0 | 1 | 0 | 4 | 35 |
| Texas | TX | 3 | 8 | 23 | 9 | 14 | 9 | 4 | 5 | 25 | 5 | 6 | 2 | 10 | 123 |
| Utah | UT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 12 |
| Vermont | VT | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 6 |
| Virginia | VA | 1 | 4 | 7 | 3 | 3 | 4 | 0 | 4 | 7 | 2 | 2 | 1 | 3 | 41 |
| Washington | WA | 1 | 1 | 3 | 2 | 2 | 2 | 0 | 1 | 5 | 1 | 1 | 1 | 3 | 23 |
| West Virginia | WV | 0 | 1 | 3 | 1 | 2 | 1 | 0 | 1 | 4 | 1 | 1 | 0 | 2 | 17 |
| Wisconsin | WI | 1 | 2 | 3 | 2 | 2 | 2 | 0 | 2 | 4 | 1 | 2 | 0 | 2 | 23 |
| Wyoming | WY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Abbreviations: CRS, Colon and rectal surgery; NS, Neurological surgery; OBG, Obstetrics and gynecology; OPH, Ophthalmology; ORS, Orthopaedic surgery; OTO, Otolaryngology - head and neck surgery; PS, Plastic surgery; PSI, Plastic surgery - integrated; GS, Surgery; VSI, Vascular surgery - integrated; TS, Thoracic surgery; TSI, Thoracic surgery - integrated; U, Urology.

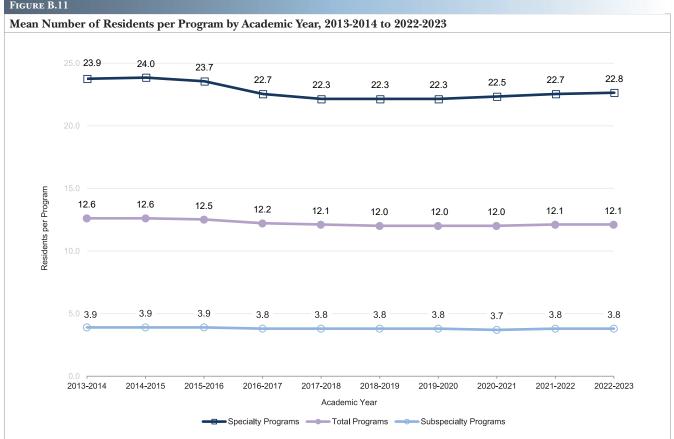
| — 1 | | 13.2% | |
|---|-------------------|------------------|-----------|
| Family medicine | | 11.5% | |
| Internal medicine | 6.4% | 11.070 | 24.5% |
| Surgery | 7.3% | | |
| Psychiatry | 6.0% | | |
| Obstetrics and gynecology | 4.6% | | |
| Emergency medicine | 5.0% | | |
| Pediatrics | 3.7% 7.3% | | |
| Orthopaedic surgery | 3.6% 3.4% | | |
| Radiology-diagnostic | 3.5% 3.5% | | |
| Transitional year | 3.3% | | |
| Neurology | 3.2% 2.7% | | |
| Anesthesiology | 2.9% | | |
| Urology | 2.6% 1.4% | | |
| Pathology-anatomic and clinical | 2.6% 1.8% | | |
| Dermatology | 2.5% | | |
| Otolaryngology - head and neck surgery | 2.3% | | |
| Ophthalmology | 2.2% | | |
| Neurological surgery | 2.1% | | |
| Physical medicine and rehabilitation | 1.8% | | |
| Interventional radiology - integrated | 0.6% | | |
| Plastic surgery - integrated | 1.6% 0.9% | | |
| Radiation oncology | 1.6% 0.6% | | |
| Allergy and immunology | 1.5% | | |
| Child neurology | 1.4% | | |
| Internal medicine/Pediatrics | 1.3% | | |
| Thoracic surgery | 1.3% | | |
| Vascular surgery - integrated | 1.3% | | |
| Colon and rectal surgery | _ 0.3% | | |
| Plastic surgery | 0.1% | | |
| Public health and general preventive medicine | _ 0.2% | | |
| Medical genetics and genomics | 0.2% | | |
| Nuclear medicine | 0.0% 0.6% | | |
| Thoracic surgery - integrated | 0.1% | | |
| Osteopathic neuromusculoskeletal medicine | 0.2% | | |
| | 0.1% 0.4% | | |
| Occupational and environmental medicine | 0.1% | | |
| Aerospace medicine | 0.0% 0% 5% 10% | · ۵ / ۲5% 20% | 6 25% 30% |

number of specialty programs = 5,706. Total number of residents in specialties = 130,000.

FIGURE B.10

Mean Number of Residents per Program by Specialty

| | Ν | Median | MIN | MAX | Mean | Mean Number of Residents |
|---|-----|--------|-----|-----|------|--------------------------|
| Allergy and immunology | 87 | 4 | 0 | 8 | 3.7 | |
| Anesthesiology | 165 | 40 | 0 | 111 | 43.9 | |
| olon and rectal surgery | 68 | 1 | 0 | 6 | 1.6 | |
| Dermatology | 144 | 11 | 0 | 28 | 11.3 | |
| Emergency medicine | 287 | 31 | 0 | 99 | 32.6 | |
| ⁻ amily medicine | 756 | 19 | 0 | 81 | 19.9 | |
| nternal medicine | 627 | 42 | 0 | 221 | 50.7 | |
| Medical genetics and genomics | 47 | 2 | 0 | 7 | 1.4 | |
| Neurological surgery | 117 | 14 | 1 | 29 | 13.6 | |
| Neurology | 180 | 20 | 0 | 57 | 19.6 | |
| Child neurology | 80 | 6 | 0 | 19 | 6.0 | |
| Nuclear medicine | 36 | 2 | 0 | 6 | 2.1 | |
| Obstetrics and gynecology | 302 | 18 | 0 | 72 | 19.7 | |
| Dphthalmology | 125 | 13 | 3 | 35 | 13.9 | |
| Orthopaedic surgery | 208 | 20 | 0 | 70 | 21.5 | |
| Osteopathic neuromusculoskeletal medicine | 26 | 2 | 0 | 14 | 3.2 | |
| Dtolaryngology - head and neck surgery | 131 | 15 | 0 | 30 | 13.7 | |
| Pathology-anatomic and clinical | 146 | 16 | 0 | 40 | 16.0 | |
| Pediatrics | 213 | 36 | 0 | 150 | 44.8 | |
| Physical medicine and rehabilitation | 101 | 16 | 0 | 40 | 16.2 | |
| Plastic surgery | 49 | 5 | 0 | 8 | 4.1 | |
| Plastic surgery - integrated | 89 | 12 | 0 | 26 | 12.4 | |
| Public health and general preventive medicine | 43 | 4 | 0 | 15 | 4.5 | |
| Aerospace medicine | 5 | 11 | 0 | 18 | 10.4 | |
| Occupational and environmental medicine | 23 | 5 | 2 | 15 | 5.1 | |
| Psychiatry | 304 | 24 | 0 | 84 | 25.5 | |
| Radiation oncology | 90 | 7 | 2 | 26 | 8.4 | |
| Radiology-diagnostic | 199 | 21 | 0 | 64 | 23.2 | |
| nterventional radiology - integrated | 95 | 9 | 0 | 20 | 7.9 | |
| Surgery | 363 | 24 | 0 | 84 | 26.3 | |
| /ascular surgery - integrated | 76 | 5 | 0 | 16 | 5.0 | |
| Thoracic surgery | 75 | 3 | 0 | 12 | 3.4 | |
| Thoracic surgery - integrated | 34 | 6 | 0 | 17 | 7.0 | |
| Jrology | 150 | 12 | 0 | 25 | 12.2 | |
| Transitional year | 188 | 11 | 0 | 28 | 10.0 | |
| nternal medicine/Pediatrics | 77 | 16 | 8 | 56 | 20.0 | |
| | | | | | | 20 |



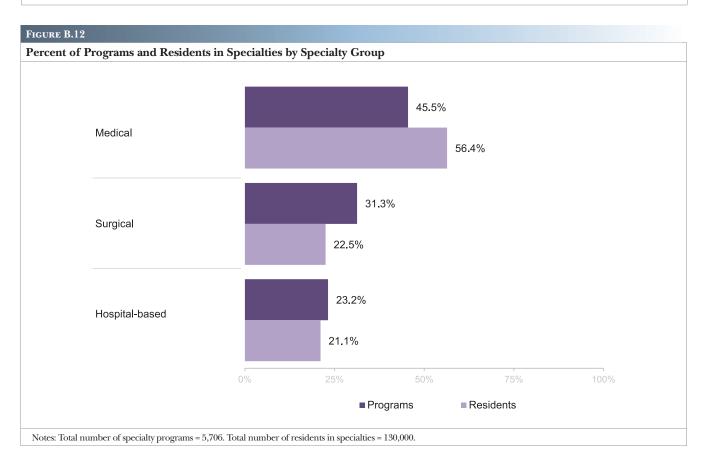
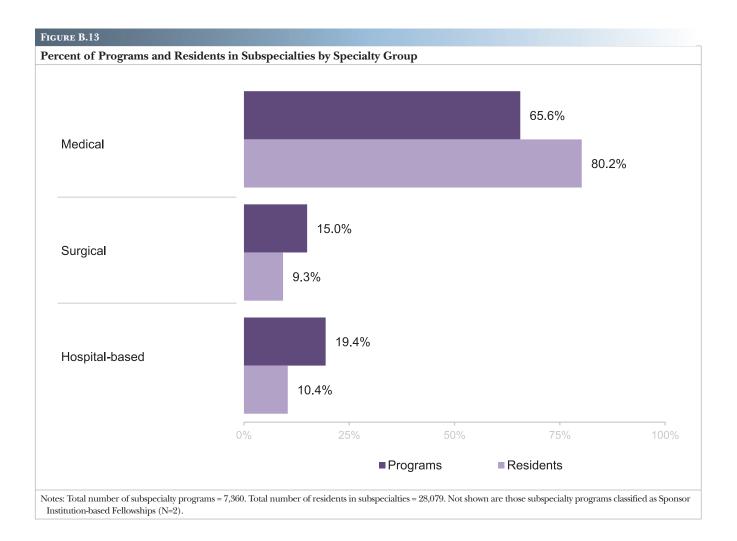


FIGURE B.11



Program Characteristics

Resident Characteristics

This section summarizes the characteristics of all active residents, and shows aggregate statistics on their distribution by specialty, medical school type, gender, and race/ ethnicity since the 2013-2014 academic year. In addition, this section includes information on residents entering pipeline and continuing graduate medical education (GME) programs.

Active Residents

Of the total number of active residents (158,079), 130,000 (82.2%) are in specialty programs and 28,079 (17.8%) are in subspecialty programs. Only 0.1% (135) of the total number of active residents are part-time. In terms of trends, there has been a 31.6% increase in total active residents since 2013-2014, with growth in the number of specialty residents at 31.6%, and growth in the number of subspecialty residents at 31.8% over the last 10 years. Among residents in specialty programs, 56.4% (73,309) are in medical specialties, 21.1% (27,441) are in hospital-based specialties, and 22.5% (29,250) are in surgical specialties. The specialties with the highest percentage of total active residents are:

- Internal medicine (20.1%)
- Family medicine (9.5%)
- Pediatrics (6.0%)
- Surgery (6.0%)

Geographic Distribution

Based on the most recent US Census estimate for 2022, there are approximately 46.98 active residents (38.63 specialty, 8.34 subspecialty) per 100,000 population, including Puerto Rico. In line with the states that have the highest number of programs, the following states have the highest number of total active residents:

- New York (19,517)
- California (14,705)
- Texas (10,889)
- Pennsylvania (10,057)

Active Residents by Medical School Type

Of the 130,000 total active residents in specialty programs, 60.0% (78,007) are US allopathic medical school graduates, 21.0% (27,324) are international medical school graduates (IMGs), and 18.9% (24,616) are osteopathic medical school graduates. There are also 45 Canadian medical school graduates, and eight residents for whom medical school type was unknown. The distribution by

medical school type is slightly different in subspecialty programs (28,079 active residents), with 55.6% of active residents being graduates of US allopathic medical schools, 31.5% being graduates of international medical schools, 12.7% being graduates of osteopathic medical schools, and less than 1% being graduates of Canadian medical schools. Over the last 10 years, there has been a 19.7% increase in US allopathic medical school graduates, a 172.4% increase in osteopathic medical school graduates, and a 15.2% increase in IMGs. The specialties with the highest percentage of IMGs include:

- Nuclear medicine (76.6%)
- Pathology anatomic and clinical (48.7%)
- Medical genetics and genomics (40.6%)
- Internal medicine (38.8%)

While internal medicine has the fourth-highest percentage of IMGs, this specialty accounts for the highest number of IMGs (12,345) among all specialty programs.

Active Residents by Gender and Race/Ethnicity

Gender and race/ethnicity reported for the 2022-2023 academic year are based upon self-reported data provided by the Association of American Medical Colleges ("AAMC"). Note that beginning with the 2021-2022 Data Resource Book, the ACGME has adopted a race/ethnicity reporting standard in line with that of the Integrated Postsecondary Education Data System as follows:

- If an individual self-identifies as Hispanic only, or Hispanic and any race category, report as Hispanic
- If an individual self-identifies as not Hispanic; more than one race category, report as two or more races ("Multiple Race/Ethnicity")

Of the 158,079 active residents, 52.0% are male, 47.7% are female, and 0.3% are not reported. The specialties with the highest percentage of female residents include:

- Obstetrics and gynecology (87.1%)
- Pediatrics (73.3%)
- Child neurology (69.1%)
- Medical genetics and genomics (67.2%)

The specialties with the lowest percentage of female residents include:

- Interventional radiology independent (13.6%)
- Orthopaedic surgery (20.3%)
- Interventional radiology integrated (22.8%)
- Neurological surgery (23.7%)

Overall, 47.7% of all active residents are White; 26.9% are Asian; 9.5% are Hispanic, Latino, or of Spanish origin; 6.3% are Black or African American; 0.1% are American Indian or Alaskan Native; and 0.04% are Native Hawaiian or Pacific Islander. Of all active residents, 4.3% were reported as Multiple Race/Ethnicity. Of active residents, 3.2% were reported as "Other," and 1.9% were reported as "Unknown."

Residents Entering the Pipeline

The total number of residents entering the pipeline reached 36,628 for the 2022-2023 academic year. Since

2013-2014, there has been a 35.6% increase in residents entering the pipeline, with varying patterns in growth by medical school type (17.7% increase among US Liaison Committee for Medical Education (LCME)-accredited medical school graduates, 25.6% increase among IMGs, and 174.6% increase among osteopathic medical school graduates). Among the 2022-2023 residents entering the pipeline, 56.4% (20,641) are US LCME-accredited medical school graduates, 23.0% (8,407) are IMGs, 20.6% (7,558) are osteopathic medical school graduates, and less than one percent (17) are Canadian medical school graduates. Λ



Number of Active Residents by Status

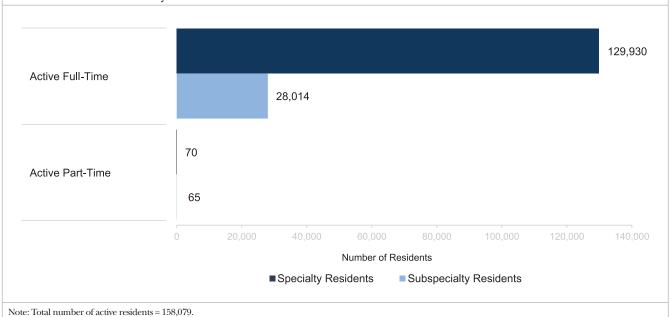
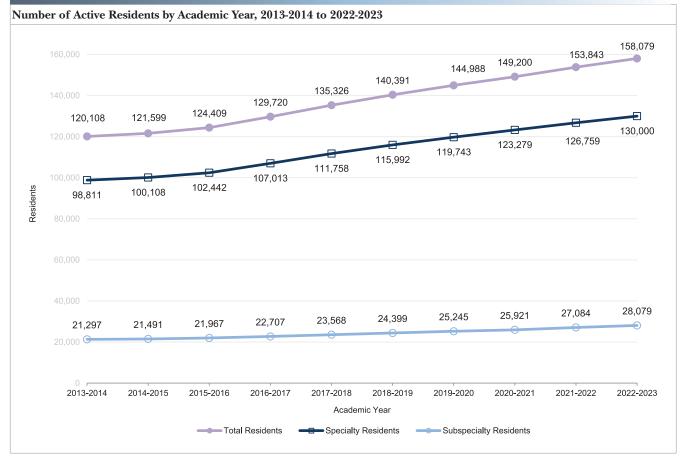
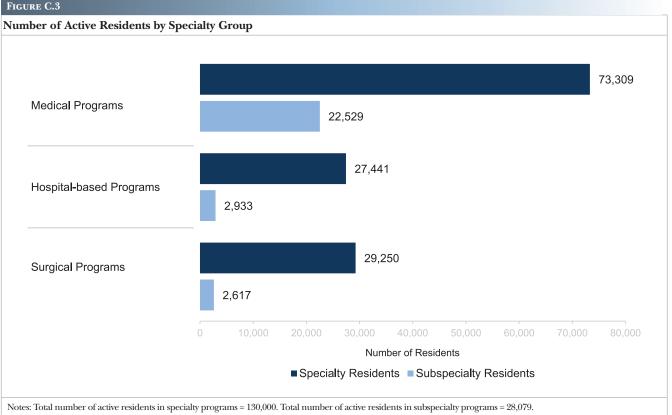


FIGURE C.2







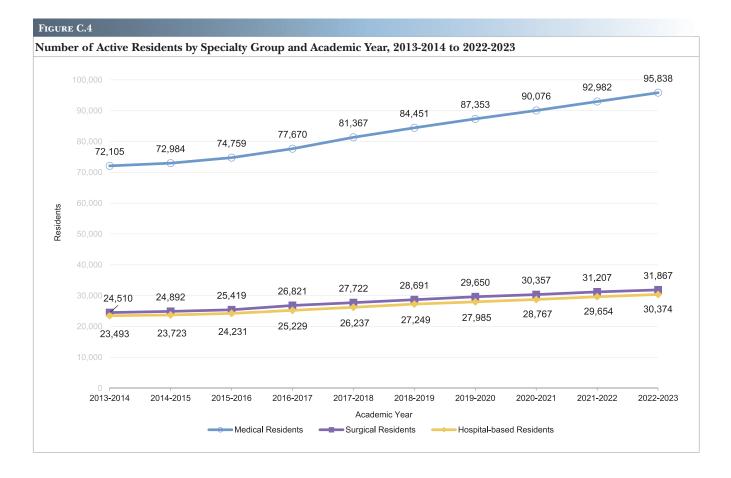


TABLE C.5

| | | | | | | Residen | t Year | | | | |
|---|------------|------------|-------|--------|------|---------|--------|--------|-------------|-------------|-----|
| | | 1 | | 2 | | 3 | t ICai | 4 | 5 | 6 | 7 |
| | | Cat | Prel | Cat | Prel | Cat | Prel | Cat | Cat | Cat | Cat |
| See a state | Total | # | # | 4 (Jac | | # | # | 4 Cat | 4 Cat | 4 | |
| Specialty | Residents | | | | # | | # | | | | # |
| OVERALL | 158,079 | 54,163 | 3,377 | 44,274 | 278 | 39,302 | | 12,286 | 3,754 | 423 | 222 |
| TOTAL PIPELINE | 127,604 | 36,628 | 3,377 | 36,137 | 278 | 34,506 | | 12,279 | 3,754 | 423 | 222 |
| Allergy and immunology | 323 | 160 | | 163 | | 1.015 | | 1.000 | | | |
| Anesthesiology | 7,241 | 1,695 | | 1,949 | | 1,915 | | 1,682 | | | |
| - Adult cardiothoracic anesthesiology | 254 210 | 254 | | | | | | | | | |
| - Critical care medicine - Regional anesthesiology and acute pain medicine | 92 | 210 92 | | | | | | | | | |
| 0 0, 1 | 15 | 92 15 | | | | | | | | | |
| - Pediatric cardiac anesthesiology | 48 | 48 | | | | | | | | | |
| - Obstetric anesthesiology | 40 | 40 | | | | | | | | | |
| - Pain medicine (multidisciplinary) | | | | | | | | | | | |
| - Pediatric anesthesiology | 183 110 | 183 110 | | | | | | | | | |
| Colon and rectal surgery | 1.633 | 549 | | 544 | | 526 | | 14 | | | |
| Dermatology - Dermatopathology (multidisciplinary) | 1,633 | 549 77 | | 944 | | 520 | | 14 | | | |
| | 91 | 91 | | | | | | | | | |
| - Micrographic surgery and dermatologic oncology - Pediatric dermatology | 191 | 19 | | | | | | | | | |
| Emergency medicine | 9,346 | 3,010 | | 2,937 | | 2,735 | | 664 | | | |
| - Emergency medical services | 9,540 | 95 | | 2,937 | | 2,755 | | 004 | | | |
| - Medical toxicology | 93 | 53 | | 40 | | | | | | | |
| - Pediatric emergency medicine | 143 | 53 | | 51 | | 39 | | | | | |
| - Sports medicine | 143 | 18 | | 51 | | | | | | | |
| - Undersea and hyperbaric medicine | 10 | 10 | | | | | | | | | |
| Family medicine | 15,010 | 5,121 | | 5,009 | | 4,832 | | 48 | | | |
| - Clinical informatics | 23 | 11 | | 12 | | 4,032 | | 40 | | | |
| - Geriatric medicine | 43 | 43 | | 14 | | | | | | | |
| - Hospice and palliative medicine (multidisciplinary) | 481 | 481 | | | | | | | | | |
| - Sports medicine | 294 | 294 | | | | | | | | | |
| Internal medicine | 31,794 | 10,260 | 2,007 | 10,027 | | 9,500 | | | | | |
| - Adult congenital heart disease | 30 | 10,200 | 2,007 | 10,027 | | 5,500 | | | | | |
| - Advanced heart failure and transplant cardiology | 97 | 97 | | 10 | | | | | | | |
| - Cardiovascular disease | 3,456 | 1,234 | | 1,128 | | 1,094 | | | | | |
| - Clinical cardiac electrophysiology | 329 | 1,2,34 | | 1,120 | | 1,054 | | | | | |
| - Clinical informatics | 65 | 39 | | 26 | | | | | | | |
| - Critical care medicine | 358 | 213 | | 145 | | | | | | | |
| - Endocrinology, diabetes, and metabolism | 721 | 379 | | 342 | | | | | | | |
| - Gastroenterology | 1,975 | 697 | | 660 | | 618 | | | | | |
| - Geriatric medicine | 270 | 270 | | 000 | | 010 | | | | | |
| - Hematology and medical oncology | 2,098 | 737 | | 701 | | 660 | | | | | |
| - Infectious disease | 817 | 422 | | 395 | | 000 | | | | | |
| - Interventional cardiology | 373 | 373 | | 355 | | | | | | | |
| - Nephrology | 872 | 455 | | 417 | | | | | | | |
| - Medical oncology | 10 | 455 | | 5 | | | | | | | |
| - Pulmonary disease | 65 | 36 | | 29 | | | | | | | |
| - Pulmonary disease and critical care medicine | 2,268 | 829 | | 751 | | 688 | | | | | |
| - Rheumatology | 551 | 299 | | 252 | | 000 | | | | | |
| - Sleep medicine (multidisciplinary) | 214 | 235 | | 434 | | | | | | | |
| - Transplant hepatology | 48 | 48 | | | | | | | | | |
| Medical genetics and genomics | 64 | 34 | | 30 | | | | | | | |
| - Medical biochemical genetics | 15 | 15 | | 50 | | | | | | | |
| - Molecular genetic pathology (multidisciplinary) | 59 | 59 | | | | | | | | | |
| Neurological surgery | 1,593 | 242 | | 235 | | 235 | | 225 | 215 | 219 | 222 |
| - Neuroendovascular intervention | 3 | 3 | | 200 | | 200 | | 440 | _ 10 | _ 15 | |

| Number of Active Residents by Specialty | and Subspe | cialty, Po | osition | Type, ar | ıd Res | ident Yea | ar | | | | |
|---|------------|------------|---------|----------|--------|-----------|------|-------|-----|-----|----------|
| , 1, , | | | | 71 - 7 | | Residen | | | | | |
| | | 1 | | 2 | | 3 | | 4 | 5 | 6 | 7 |
| | | | | | | | | | | | |
| | Total | Cat | Prel | Cat | Prel | Cat | Prel | Cat | Cat | Cat | Cat |
| Specialty | Residents | # | # | # | # | # | # | # | # | # | # |
| Neurology | 3,530 | 1,025 | | 988 | | 931 | | 586 | | | |
| - Clinical neurophysiology | 153 | 153 | | | | | | | | | |
| - Epilepsy | 158 | 158 | | | | | | | | | |
| - Neurocritical care (multidisciplinary) | 120 | 69 | | 51 | | | | | | | |
| - Neuroendovascular intervention | 1 | 1 | | | | | | | | | |
| - Neurodevelopmental disabilities | 31 | 8 | | 7 | | 9 | | 7 | | | |
| - Neuromuscular medicine | 77 | 77 | | | | | | | | | |
| - Vascular neurology | 189 | 189 | | | | | | | | | |
| Child neurology | 479 | 169 | | 166 | | 144 | | | | | |
| Nuclear medicine | 77 | 37 | | 21 | | 19 | | | | | |
| Obstetrics and gynecology | 5,962 | 1,543 | 17 | 1,496 | | 1,474 | | 1,432 | | | |
| - Female pelvic medicine and reconstructive surgery | 155 | 57 | | 51 | | 47 | | | | | |
| - Gynecologic oncology | 240 | 83 | | 79 | | 78 | | | | | |
| - Maternal-fetal medicine | 416 | 146 | | 139 | | 131 | | | | | |
| - Reproductive endocrinology and infertility | 173 | 55 | | 60 | | 58 | | | | | |
| - Complex family planning | 55 | 29 | | 26 | | | | | | | |
| Ophthalmology | 1,738 | 524 | | 527 | | 508 | | 179 | | | |
| - Ophthalmic plastic and reconstructive surgery | 3 | 2 | | 1 | | | | | | | |
| Orthopaedic surgery | 4,481 | 897 | | 903 | | 900 | | 880 | 901 | | |
| - Adult reconstructive orthopaedics | 52 | 52 | | | | | | | | | |
| - Foot and ankle orthopaedics | 16 | 16 | | | | | | | | | |
| - Hand surgery | 159 | 159 | | | | | | | | | |
| - Musculoskeletal oncology | 14 | 14 | | | | | | | | | |
| - Orthopaedic sports medicine | 223 | 223 | | | | | | | | | |
| - Orthopaedic surgery of the spine | 24 | 24 | | | | | | | | | |
| - Orthopaedic trauma | 20 | 20 | | | | | | | | | |
| - Pediatric orthopaedics | 39 | 39 | | | | | | | | | |
| Osteopathic neuromusculoskeletal medicine | 83 | 15 | | 22 | | 46 | | | | | |
| Otolaryngology - head and neck surgery | 1,795 | 380 | | 364 | | 364 | | 348 | 339 | | |
| - Neurotology | 37 | 19 | | 18 | | | | | | | |
| - Pediatric otolaryngology | 40 | 40 | | | | | | | | | |
| Pathology-anatomic and clinical | 2,342 | 644 | | 619 | | 574 | | 505 | | | |
| - Blood banking/transfusion medicine | 44 | 44 | | | | | | | | | |
| - Clinical informatics | 23 | 12 | | 11 | | | | | | | |
| - Chemical pathology | 1 | 1 | | | | | | | | | |
| - Cytopathology | 116 | 116 | | | | | | | | | |
| - Forensic pathology | 60 | 60 | | | | | | | | | |
| - Hematopathology | 139 | 139 | | | | | | | | | |
| - Medical microbiology | 14 | 14 | | | | | | | | | |
| - Neuropathology | 56 | 33 | | 23 | | | | | | | |
| - Pediatric pathology | 21 | 21 | | | | | | | | | |
| - Selective pathology | 176 | 176 | | | | | | | | | |
| Pediatrics | 9,539 | 3,214 | 93 | 3,148 | 77 | 3,007 | | | | | |
| - Adolescent medicine | 91 | 39 | | 25 | | 27 | | | | | |
| - Child abuse pediatrics | 58 | 28 | | 18 | | 12 | | | | | |
| - Clinical informatics | 28 | 17 | | 11 | | | | | | | <u> </u> |
| - Developmental-behavioral pediatrics | 103 | 39 | | 36 | | 28 | | | | | <u> </u> |
| - Neonatal-perinatal medicine | 830 | 302 | | 282 | | 246 | | | | | L |
| - Pediatric cardiology | 480 | 169 | | 161 | | 150 | | | | | |
| - Pediatric critical care medicine | 618 | 219 | | 204 | | 195 | | | | | |
| - Pediatric emergency medicine | 454 | 176 | | 144 | | 134 | | | | | <u> </u> |
| - Pediatric endocrinology | 249 | 88 | | 78 | | 83 | | | | | <u> </u> |
| - Pediatric gastroenterology | 340 | 121 | | 109 | | 110 | | | | | <u> </u> |
| - Pediatric hematology/oncology | 463 | 160 | | 151 | | 152 | | | | | |
| Pediatric infectious diseases | 193 | 69 | | 58 | | 66 | | | | | |

TABLE C.5 Continued

| | | | | | | Residen | t Year | | | | |
|--|--------------------|-------|-------|--------------|------|----------|--------|-------|-------|-----|----------|
| | | 1 | | 2 | | 3 | | 4 | 5 | 6 | 7 |
| | | Cat | Prel | Cat | Prel | Cat | Prel | Cat | Cat | Cat | Ca |
| Specialty | Total Residents | # | # | # | # | # | # | # | # | # | # |
| - Pediatric nephrology | 144 | 46 | | 57 | | 41 | | | | | |
| - Pediatric pulmonology | 194 | 77 | | 63 | | 54 | | | | | |
| - Pediatric rheumatology | 109 | 38 | | 35 | | 36 | | | | | |
| - Sports medicine | 27 | 27 | | | | | | | | | |
| - Pediatric transplant hepatology | 12 | 12 | | | | | | | | | |
| - Pediatric hospital medicine | 191 | 108 | | 83 | | | | | | | |
| Physical medicine and rehabilitation | 1,640 | 456 | | 498 | | 495 | | 191 | | | |
| - Brain injury medicine | 22 | 22 | | | | | | | | | |
| - Neuromuscular medicine | 0 | | | | | | | | | | |
| - Spinal cord injury medicine | 24 | 24 | | | | | | | | | |
| - Pediatric rehabilitation medicine | 42 | 28 | | 14 | | | | | | | |
| - Sports medicine | 41 | 41 | | | | | | | | | |
| Plastic surgery | 202 | 68 | | 67 | | 67 | | | | | |
| Plastic Surgery - integrated | 1,107 | 196 | | 199 | | 187 | | 181 | 178 | 166 | |
| - Craniofacial surgery | 5 | 5 | | | | | | | | | |
| - Hand surgery | 27 | 27 | | | | | | | | | |
| Public health and general preventive medicine | 195 | 95 | | 94 | | 6 | | | | | |
| Aerospace medicine | 52 | 21 | | 31 | | | | | | | |
| Occupational and environmental medicine | 118 | 66 | | 52 | | | | | | | |
| Undersea and hyperbaric medicine | 2 | 2 | | 01 | | | | | | | |
| Psychiatry | 7,739 | 2,146 | | 2,096 | | 1,999 | | 1,498 | | | |
| Addiction medicine (multidisciplinary) | 159 | 159 | | 2,000 | | 1,000 | | 1,100 | | | |
| Addiction psychiatry | 92 | 91 | | 1 | | | | | | | |
| • Child and adolescent psychiatry | 966 | 502 | | 464 | | | | | | | |
| Forensic psychiatry | 75 | 75 | | 101 | | | | | | | |
| - Geriatric psychiatry | 58 | 58 | | | | | | | | | |
| Consultation-liaison psychiatry | 92 | 92 | | | | | | | | | |
| Radiation oncology | 758 | 186 | | 185 | | 199 | | 188 | | | |
| Radiology-diagnostic | 4,614 | 1,153 | | 1,159 | | 1,150 | | 1,129 | 23 | | |
| · Abdominal radiology | 50 | 50 | | 1,135 | | 1,150 | | 1,149 | 23 | | |
| Neuroendovascular intervention | 5 | 5 | | | | | | | | | |
| Musculoskeletal radiology | 38 | 38 | | | | | | | | | |
| Neuroradiology | 300 | 300 | | | | | | | | | |
| Nuclear radiology | 10 | 10 | | | | | | | | | |
| | 54 | 54 | | | | | | | | | <u> </u> |
| Pediatric radiology Interventional radiology - independent | 177 | 130 | | 47 | | | | | | | |
| | | | | | | 154 | | 139 | 138 | 6 | |
| Interventional radiology - integrated | 750 9,554 | 160 | 1.960 | 153 1,674 | 901 | 154 | | | | 0 | |
| Surgery Complex general surgical oncology | | 1,681 | 1,260 | | 201 | 1,669 | | 1,558 | 1,511 | | |
| | 127 8 | 66 | | 61 | | | | | | | <u> </u> |
| Hand surgery | 88 | 41 | | 47 | | | | | | | <u> </u> |
| Pediatric surgery Surgical critical care | 341 | 341 | | 47 | | | | | | | |
| Vascular surgery | 270 | 135 | | 195 | | | | | | | |
| 0 / | 381 | 86 | | 135 85 | | 09 | | 62 | CE. | | |
| Vascular surgery - integrated | | | | | | 83 32 | | 62 | 65 | | |
| Congenital cordina surrory | 256 | 108 | | 116 | | 32 | | | | | |
| Congenital cardiac surgery | 927 | 8 | | 45 | | 49 | | 90 | 20 | 90 | |
| Thoracic surgery - integrated | 237 | 46 | | 45 | | 43 | | 39 | 32 | 32 | |
| Urology | 1,834 | 385 | | 375 | | 360 | | 362 | 352 | | |
| Female pelvic medicine and reconstructive surgery | 42 | 16 | | 18 | | 8 | | | | | |
| Pediatric urology | 32 | 14 | | 18 | | | | | | | |
| Transitional year | 1,884 | 1,884 | | 000 | | 004 | | 0.00 | | | |
| Internal medicine/Pediatrics Health care administration, leadership, and management | 1,539 | 394 | | 392 | | 384 | | 369 | | | |

Abbreviations: Cat, categorical resident positions; Prel, preliminary resident positions.

TABLE C.6

Number of Active Residents by Specialty and Subspecialty and Academic Year, 2018-2019 to 2022-2023

| | | | Academic Yea | r | | | |
|--|-----------|-----------|--------------|-----------|--------------|-----------|--------|
| | 2018-2019 | 2019-2020 | 2020-2021 | 2021-2022 | 2022-2023 | 5-Year | Change |
| Specialty | # | # | # | # | # | # | % |
| OVERALL | 140,391 | 144,988 | 149,200 | 153,843 | 158,079 | 17,688 | 12.6 |
| FOTAL PIPELINE | 113,823 | 117,496 | 121,110 | 124,521 | 127,604 | 13,781 | 12.1 |
| Allergy and immunology | 304 | 308 | 312 | 320 | 323 | 19 | 6.3 |
| Anesthesiology | 6,507 | 6,698 | 6,895 | 7,086 | 7,241 | 734 | 11.3 |
| Adult cardiothoracic anesthesiology | 215 | 220 | 235 | 238 | 254 | 39 | 18.1 |
| Critical care medicine | 182 | 191 | 194 | 202 | 210 | 28 | 15.4 |
| Regional anesthesiology and acute pain medicine | 58 | 72 | 77 | 88 | 92 | 34 | 58.6 |
| Pediatric cardiac anesthesiology * | | | | | 15 | N/A | N/A |
| Obstetric anesthesiology | 44 | 38 | 48 | 53 | 48 | 4 | 9.1 |
| Pain medicine (multidisciplinary) | 372 | 386 | 400 | 409 | 411 | 39 | 10.5 |
| Pediatric anesthesiology | 199 | 192 | 185 | 193 | 183 | -16 | -8.0 |
| Colon and rectal surgery | 101 | 106 | 105 | 107 | 110 | 9 | 8.9 |
| Dermatology | 1,563 | 1,594 | 1,612 | 1,609 | 1,633 | 70 | 4.5 |
| Dermatopathology (multidisciplinary) | 67 | 69 | 69 | 71 | 77 | 10 | 14.9 |
| Micrographic surgery and dermatologic oncology | 82 | 88 | 86 | 88 | 91 | 9 | 11.0 |
| Pediatric dermatology * | | | | 3 | 19 | 16 | 533.3 |
| Emergency medicine | 7,940 | 8,293 | 8,642 | 9,037 | 9,346 | 1,406 | 17.7 |
| Emergency medical services | 62 | 87 | 86 | 104 | 95 | 33 | 53.2 |
| Medical toxicology | 72 | 72 | 79 | 81 | 93 | 21 | 29.2 |
| Pediatric emergency medicine | 129 | 134 | 134 | 140 | 143 | 14 | 10.9 |
| Sports medicine | 125 | 134 | 16 | 140 | 143 | 2 | 12.5 |
| Undersea and hyperbaric medicine | 9 | 10 | 10 | 17 | 10 | 2 | 22.2 |
| Family medicine | 13,116 | 13,725 | 14,225 | 14,657 | 15,010 | 1,894 | 14.4 |
| Clinical informatics | 13,110 | 10,720 | 14,223 | 14,057 | 23 | 1,054 | 91.7 |
| Geriatric medicine | 46 | 38 | 39 | 45 | 43 | -3 | -6.5 |
| Hospice and palliative medicine (multidisciplinary) | 355 | 374 | 401 | 45 | 43 | 126 | 35.5 |
| Sports medicine | 239 | 261 | 278 | 282 | 294 | 55 | 23.0 |
| Internal medicine | 239 | 201 | 30,087 | 30,936 | 31,794 | 3,374 | 11.9 |
| | 28,420 | 29,243 | | 30,930 | 31,794 | 5,574 | 0.2 |
| Adult congenital heart disease Advanced heart failure and transplant cardiology | 105 | 109 | 28 101 | 101 | 97 | -8 | -7.6 |
| Cardiovascular disease | 3,017 | 3,105 | 3,240 | 3,320 | 3,456 | 439 | -7.0 |
| | | | , | , | , | | |
| Clinical cardiac electrophysiology | 259 | 255 | 276 | 310 | 329 | 70 | 27.0 |
| Clinical informatics Critical care medicine | <u> </u> | 36 | 36 | 50 320 | 65 | 29 105 | 80.6 |
| | | 264 | 280 | | 358 | | 41.5 |
| Endocrinology, diabetes, and metabolism | 660 | 675 | 689 | 700 | 721 | 61 | 9.2 |
| Gastroenterology | 1,741 | 1,792 | 1,844 | 1,911 | 1,975 270 | 234 12 | 13.4 |
| Geriatric medicine | 258 | 261 | 272 | 289 | | | 4.7 |
| Hematology and medical oncology | 1,776 | 1,843 | 1,895 | 1,970 | 2,098 | 322 | 18.1 |
| Infectious disease | 760 | 762 | 763 | 798 | 817 | 57 | 7.5 |
| Interventional cardiology | 339 | 350 | 355 | 359 | 373 | 34 | 10.0 |
| Nephrology Madisal associated | 805 | 828 | 829 | 850 | 872 | 67 | 8.3 |
| Medical oncology | 39 | 35 | 34 | 34 | 10 | -29 | -74.4 |
| Pulmonary disease | 70 | 73 | 70 | 67 | 65 | -5 | -7.1 |
| Pulmonary disease and critical care medicine | 1,898 | 1,999 | 2,085 | 2,175 | 2,268 | 370 | 19.5 |
| Rheumatology | 503 | 515 | 520 | 531 | 551 | 48 | 9.5 |
| Sleep medicine (multidisciplinary) | 177 | 182 | 190 | 202 | 214 | 37 | 20.9 |
| Transplant hepatology | 47 | 52 | 47 | 48 | 48 | 1 | 2.1 |
| Medical genetics and genomics | 69 | 60 | 68 | 72 | 64 | -5 | -7.2 |
| Medical biochemical genetics | 14 | 16 | 14 | 17 | 15 | 1 | 7.19 |
| Molecular genetic pathology (multidisciplinary) | 61 | 56 | 57 | 58 | 59 | -2 | -3.39 |
| Neurological surgery | 1,462 | 1,515 | 1,561 | 1,579 | 1,593 | 131 | 9.09 |
| - Neuroendovascular intervention | 1,402 | 1,515 | 1,561 | 1,579 | 1,595 | 131 | 2 |

TABLE C.6 Continued

Number of Active Residents by Specialty and Subspecialty and Academic Year, 2018-2019 to 2022-2023

| | | - | Academic Yea | r | | | |
|---|-----------|-------------|--------------|------------|-----------|----------|--------|
| | 2018-2019 | 2019-2020 | 2020-2021 | 2021-2022 | 2022-2023 | 5-Year | Change |
| Specialty | # | # | # | # | # | # | % |
| Neurology | 2,893 | 3,062 | 3,221 | 3,369 | 3,530 | 637 | 22.0% |
| - Clinical neurophysiology | 163 | 163 | 143 | 149 | 153 | -10 | -6.1% |
| - Epilepsy | 112 | 126 | 134 | 154 | 158 | 46 | 41.19 |
| - Neurocritical care (multidisciplinary) * | | | | 12 | 120 | 108 | 900.09 |
| - Neuroendovascular intervention | 1 | 2 | 3 | 2 | 1 | 0 | 0.00 |
| - Neurodevelopmental disabilities | 25 | 24 | 26 | 27 | 31 | 6 | 24.09 |
| - Neuromuscular medicine | 67 | 73 | 74 | 73 | 77 | 10 | 14.99 |
| - Vascular neurology | 129 | 128 | 162 | 151 | 189 | 60 | 46.59 |
| Child neurology | 383 | 401 | 419 | 455 | 479 | 96 | 25.19 |
| Nuclear medicine | 75 | 78 | 69 | 76 | 77 | 2 | 2.79 |
| Obstetrics and gynecology | 5,571 | 5,677 | 5,769 | 5,861 | 5,962 | 391 | 7.0% |
| - Female pelvic medicine and reconstructive surgery | 145 | 149 | 146 | 151 | 155 | 10 | 6.99 |
| - Gynecologic oncology | 197 | 210 | 221 | 229 | 240 | 43 | 21.89 |
| - Maternal-fetal medicine | 350 | 368 | 391 | 404 | 416 | 66 | 18.99 |
| - Reproductive endocrinology and infertility | 163 | 167 | 166 | 171 | 173 | 10 | 6.19 |
| - Complex family planning * | | | 32 | 50 | 55 | 23 | 71.99 |
| Ophthalmology | 1,473 | 1,512 | 1,531 | 1,693 | 1,738 | 265 | 18.09 |
| - Ophthalmic plastic and reconstructive surgery | 5 | 3 | 3 | 5 | 3 | -2 | -40.09 |
| Orthopaedic surgery | 4,125 | 4,342 | 4,415 | 4,463 | 4,481 | 356 | 8.69 |
| - Adult reconstructive orthopaedics | 47 | 46 | 50 | 53 | 52 | 5 | 10.69 |
| - Foot and ankle orthopaedics | 15 | 16 | 17 | 16 | 16 | 1 | 6.79 |
| - Hand surgery | 154 | 154 | 155 | 154 | 159 | 5 | 3.29 |
| - Musculoskeletal oncology | 131 | 131 | 16 | 16 | 133 | 0 | 0.09 |
| - Orthopaedic sports medicine | 205 | 215 | 211 | 216 | 223 | 18 | 8.89 |
| - Orthopaedic surgery of the spine | 203 | 34 | 25 | 210 | 24 | -4 | -14.39 |
| - Orthopaedic trauma | 19 | 20 | 20 | 20 | 20 | 1 | 5.39 |
| - Pediatric orthopaedics | 37 | 37 | 34 | 35 | 39 | 2 | 5.49 |
| Osteopathic neuromusculoskeletal medicine | 34 | 53 | 68 | 84 | 83 | 49 | 144.19 |
| Otolaryngology - head and neck surgery | 1,651 | 1,689 | 1,723 | 1,763 | 1,795 | 144 | 8.79 |
| - Neurotology | 32 | 35 | 36 | 37 | 37 | 5 | 15.69 |
| - Pediatric otolaryngology | 35 | 36 | 34 | 42 | 40 | 5 | 14.39 |
| Pathology-anatomic and clinical | 2,329 | 2,324 | 2,346 | 2,340 | 2,342 | 13 | 0.69 |
| - Blood banking/transfusion medicine | 57 | 50 | 52 | 44 | 44 | -13 | -22.89 |
| - Clinical informatics | 9 | 16 | 19 | 20 | 23 | 13 | 155.69 |
| - Chemical pathology | 1 | 2 | 15 | 20 | 1 | 0 | 0.00 |
| - Cytopathology | 134 | 125 | 127 | 123 | 116 | -18 | -13.49 |
| - Forensic pathology | 44 | 54 | 49 | 58 | 60 | 16 | 36.49 |
| - Hematopathology | 131 | 135 | 117 | 126 | 139 | 8 | 6.19 |
| - Medical microbiology | 131 | 9 | 16 | 120 | 133 | 2 | 16.79 |
| - Neuropathology | 50 | 59 | 53 | 53 | 56 | 6 | 12.09 |
| - Pediatric pathology | 23 | 23 | 21 | 22 | 21 | -2 | -8.79 |
| - Selective pathology | 166 | 167 | 176 | 183 | 176 | 10 | 6.09 |
| Pediatrics | 9,221 | | | 9,476 | 9,539 | | 3.49 |
| - Adolescent medicine | 9,221 | 9,323 94 | 9,419 97 | 9,470 | 9,559 | 318 4 | 4.60 |
| - Adolescent medicine - Child abuse pediatrics | 38 | 94 47 | 97 | 46 | 58 | 20 | 52.69 |
| - Clinical informatics | 12 | 15 | 19 | 28 | 28 | 16 | 133.39 |
| - Developmental-behavioral pediatrics | 112 | 119 | 114 | 113 | 103 | 10 | 1.09 |
| | 761 | 772 | 783 | | 830 | 69 | 9.19 |
| Neonatal-perinatal medicine Pediatric cardiology | | 457 | 468 | 795 482 | 480 | 36 | 8.19 |
| | 594 | | | | | | |
| Pediatric critical care medicine | 534 | 557 | 575 | 594 | 618 | 84 | 15.79 |
| Pediatric emergency medicine | 408 | 424 | 434 | 446 | 454 | 46 | 11.39 |
| - Pediatric endocrinology | 241 | 227 | 230 | 228 | 249 | 8 | 3.39 |
| Pediatric gastroenterology | 311 | 322 | 329 | 330 | 340 | 29 | 9.39 |
| - Pediatric hematology/oncology | 484 | 485 | 475 | 482 | 463 | -21 | -4.39 |
| - Pediatric infectious diseases | 177 | 169 | 175 | 180 | 193 | 16 | 9.0% |

| TABLE | C.6 | Continued | |
|-------|-----|-----------|--|
|-------|-----|-----------|--|

Number of Active Residents by Specialty and Subspecialty and Academic Year, 2018-2019 to 2022-2023

| | | | Academic Yea | r | | | |
|--|--------------|-----------|--------------|-----------|-----------|--------|--------|
| | 2018-2019 | 2019-2020 | 2020-2021 | 2021-2022 | 2022-2023 | 5-Year | Change |
| Specialty | # | # | # | # | # | # | % |
| - Pediatric nephrology | 116 | 110 | 120 | 132 | 144 | 28 | 24.19 |
| Pediatric pulmonology | 162 | 168 | 176 | 184 | 194 | 32 | 19.89 |
| Pediatric rheumatology | 91 | 90 | 88 | 102 | 109 | 18 | 19.89 |
| Sports medicine | 26 | 26 | 26 | 28 | 27 | 1 | 3.89 |
| Pediatric transplant hepatology | 9 | 10 | 11 | 15 | 12 | 3 | 33.39 |
| Pediatric hospital medicine * | | 71 | 115 | 164 | 191 | 120 | 169.09 |
| Physical medicine and rehabilitation | 1,395 | 1,453 | 1,510 | 1,578 | 1,640 | 245 | 17.69 |
| Brain injury medicine | 17 | 18 | 17 | 26 | 22 | 5 | 29.49 |
| Neuromuscular medicine * | 1 | 1 | 1 | 1 | | N/A | N/A |
| Spinal cord injury medicine | 20 | 21 | 19 | 22 | 24 | 4 | 20.00 |
| Pediatric rehabilitation medicine | 38 | 38 | 30 | 31 | 42 | 4 | 10.59 |
| Sports medicine | 30 | 32 | 33 | 40 | 41 | 11 | 36.79 |
| Plastic surgery | 243 | 226 | 214 | 202 | 202 | -41 | -16.99 |
| Plastic Surgery - integrated | 901 | 961 | 1,009 | 1,060 | 1,107 | 206 | 22.99 |
| - Craniofacial surgery | 8 | 5 | 7 | 5 | 5 | -3 | -37.59 |
| Hand surgery | 22 | 23 | 23 | 24 | 27 | 5 | 22.79 |
| Public health and general preventive medicine | 357 | 347 | 350 | 346 | 195 | -162 | -45.49 |
| Aerospace medicine * | 001 | 011 | 000 | 010 | 52 | N/A | N/A |
| Occupational and environmental medicine * | | | | | 118 | N/A | N/A |
| Undersea and hyperbaric medicine | 2 | 1 | 1 | 1 | 2 | 0 | 0.09 |
| Psychiatry | 6,247 | 6,618 | 6,976 | 7,353 | 7,739 | 1,492 | 23.99 |
| Addiction medicine (multidisciplinary) * | 39 | 79 | 129 | 169 | 159 | 1,432 | 307.79 |
| Addiction psychiatry | 83 | 73 | 86 | 89 | 92 | 9 | 10.89 |
| Child and adolescent psychiatry | 869 | 889 | 919 | 953 | 966 | 97 | 11.29 |
| Forensic psychiatry | 66 | 80 | 80 | 89 | 75 | 9 | 13.69 |
| Geriatric psychiatry | 52 | 42 | 44 | 58 | 58 | 6 | 11.59 |
| Consultation-liaison psychiatry | 71 | 86 | 82 | 89 | 92 | 21 | 29.69 |
| Radiation oncology | 774 | 771 | 773 | 763 | 758 | -16 | -2.19 |
| Radiology-diagnostic | 4,671 | 4,551 | 4,557 | 4,567 | 4,614 | -57 | -1.29 |
| - Abdominal radiology | 41 | 49 | 46 | 49 | 50 | 9 | 22.09 |
| Neuroendovascular intervention | 5 | | 2 | 45 | 5 | 0 | 0.00 |
| Musculoskeletal radiology | 32 | 35 | 40 | 38 | 38 | 6 | 18.89 |
| Neuroradiology | 259 | 280 | 272 | 292 | 300 | 41 | 15.89 |
| - Nuclear radiology | 11 | 12 | 7 | 14 | 10 | -1 | -9.19 |
| - Pediatric radiology | 55 | 58 | 51 | 51 | 54 | -1 | -1.89 |
| | 55 | 58 | 184 | 205 | 177 | -7 | -3.80 |
| Interventional radiology - independent * | 946 | 494 | 591 | 678 | 750 | 504 | 204.99 |
| Interventional radiology - integrated | 246 8,844 | 424 8,809 | 9,063 | 9,299 | 9,554 | 710 | 204.97 |
| Surgery | | | | | , | | |
| Complex general surgical oncology | 111 | 115 | 120 | 123 | 127 | 16 | 14.49 |
| Hand surgery | 8 | 8 | 7 | 7 | 8 | 0 | 0.09 |
| Pediatric surgery | 83 | 85 | 86 | 86 | 88 | 5 | 6.09 |
| Surgical critical care | 284 | 290 | 299 | 332 | 341 | 57 | 20.19 |
| Vascular surgery | 248 | 244 | 255 | 264 | 270 | 22 | 8.99 |
| Vascular surgery - integrated | 292 | 309 | 332 | 361 | 381 | 89 | 30.59 |
| Choracic surgery | 232 | 236 | 243 | 249 | 256 | 24 | 10.39 |
| Congenital cardiac surgery | 8 | 8 | 11 | 12 | 8 | 0 | 0.09 |
| Thoracic surgery - integrated | 189 | 193 | 203 | 230 | 237 | 48 | 25.49 |
| Urology | 1,331 | 1,734 | 1,768 | 1,794 | 1,834 | 503 | 37.89 |
| Female pelvic medicine and reconstructive surgery | 37 | 35 | 37 | 38 | 42 | 5 | 13.59 |
| Pediatric urology | 20 | 20 | 18 | 28 | 32 | 12 | 6.1% |
| Transitional year | 1,532 | 1,597 | 1,693 | 1,767 | 1,884 | 352 | 23.09 |
| internal medicine/Pediatrics | 1,501 | 1,511 | 1,510 | 1,529 | 1,539 | 38 | 2.5% |
| Health care administration, leadership, and management * | | | | | | N/A | N/A |

Notes: Pipeline specialties are highlighted. Asterisks (*) indicate specialties and subspecialties added within the last five years. For these specialties and subspecialties, the number and percent change are calculated from the first year of having active residents.

TABLE C.7

| Specialty | Total Residents | Number of Part-Time Residents | Percent of All Residents in Specialty | Percent of All Part-Time Residents |
|---|-----------------|----------------------------------|--|---------------------------------------|
| OVERALL | 158,079 | 135 | 0.1% | 100.0% |
| TOTAL PIPELINE | 127,604 | 70 | 0.1% | 51.9% |
| Allergy and immunology | 323 | 0 | 0.0% | 0.0% |
| Anesthesiology | 7,241 | 1 | 0.0% | 0.7% |
| - Adult cardiothoracic anesthesiology | 254 | 0 | 0.0% | 0.0% |
| Critical care medicine | 210 | 0 | 0.0% | 0.0% |
| Regional anesthesiology and acute pain medicine | 92 | 0 | 0.0% | 0.0% |
| Pediatric cardiac anesthesiology | 15 | 0 | 0.0% | 0.0% |
| - Obstetric anesthesiology | 48 | 1 | 2.1% | 0.7% |
| Pain medicine (multidisciplinary) | 411 | 0 | 0.0% | 0.0% |
| Pediatric anesthesiology | 183 | 0 | 0.0% | 0.0% |
| Colon and rectal surgery | 110 | 0 | 0.0% | 0.0% |
| Dermatology | 1,633 | 0 | 0.0% | 0.0% |
| Dermatopathology (multidisciplinary) | 77 | 0 | 0.0% | 0.0% |
| Micrographic surgery and dermatologic oncology | 91 | 0 | 0.0% | 0.0% |
| Pediatric dermatology | 19 | 0 | 0.0% | 0.0% |
| Emergency medicine | 9,346 | 5 | 0.1% | 3.7% |
| Emergency medical services | 95 | 1 | 1.1% | 0.7% |
| Medical toxicology | 93 | 1 | 1.1% | 0.7% |
| Pediatric emergency medicine | 143 | 0 | 0.0% | 0.0% |
| Sports medicine | 18 | 0 | 0.0% | 0.0% |
| Undersea and hyperbaric medicine | 11 | 0 | 0.0% | 0.0% |
| Family medicine | 15.010 | 6 | 0.0% | 4.4% |
| Clinical informatics | 23 | 0 | 0.0% | 0.0% |
| Geriatric medicine | 43 | 0 | 0.0% | 0.0% |
| Hospice and palliative medicine (multidisciplinary) | 481 | 8 | 1.7% | 5.9% |
| - Sports medicine | 294 | 1 | 0.3% | 0.7% |
| Internal medicine | 31,794 | 16 | 0.1% | 11.9% |
| Adult congenital heart disease | 30 | 0 | 0.0% | 0.0% |
| Advanced heart failure and transplant cardiology | 97 | 0 | 0.0% | 0.0% |
| Cardiovascular disease | 3,456 | 4 | 0.1% | 3.0% |
| Clinical cardiac electrophysiology | 329 | 0 | 0.0% | 0.0% |
| Clinical informatics | 65 | 0 | 0.0% | 0.0% |
| Critical care medicine | 358 | 0 | 0.0% | 0.0% |
| Endocrinology, diabetes, and metabolism | 721 | 0 | 0.0% | 0.0% |
| Gastroenterology | 1,975 | 1 | 0.1% | 0.7% |
| Geriatric medicine | 270 | 2 | 0.7% | 1.5% |
| Hematology and medical oncology | 2,098 | 3 | 0.1% | 2.2% |
| Infectious disease | 817 | 1 | 0.1% | 0.7% |
| Interventional cardiology | 373 | 0 | 0.0% | 0.0% |
| Nephrology | 872 | 0 | 0.0% | 0.0% |
| Medical oncology | 10 | 0 | 0.0% | 0.0% |
| Pulmonary disease | 65 | 0 | 0.0% | 0.0% |
| Pulmonary disease and critical care medicine | 2,268 | 0 | 0.0% | 0.0% |
| Rheumatology | 551 | 0 | 0.0% | 0.0% |
| Sleep medicine (multidisciplinary) | 214 | 16 | 7.5% | 11.9% |
| Transplant hepatology | 48 | 0 | 0.0% | 0.0% |
| Medical genetics and genomics | 64 | 1 | 1.6% | 0.7% |
| Medical biochemical genetics | 15 | 0 | 0.0% | 0.0% |
| Molecular genetic pathology (multidisciplinary) | 59 | 0 | 0.0% | 0.0% |
| Neurological surgery | 1,593 | 0 | 0.0% | 0.0% |
| Neuroendovascular intervention | 3 | 0 | 0.0% | 0.0% |

TABLE C.7 Continued

Number of Active Part-Time Residents by Specialty and Subspecialty

| Specialty | Total Residents | Number of Part-Time Residents | Percent of All Residents in Specialty | Percent of All Part-Time Residents |
|---|-----------------|----------------------------------|--|---------------------------------------|
| Neurology | 3,530 | 6 | 0.2% | 4.4% |
| - Clinical neurophysiology | 153 | 0 | 0.0% | 0.0% |
| - Epilepsy | 158 | 1 | 0.6% | 0.7% |
| - Neurocritical care (multidisciplinary) | 120 | 2 | 1.7% | 1.5% |
| - Neuroendovascular intervention | 1 | 0 | 0.0% | 0.0% |
| - Neurodevelopmental disabilities | 31 | 0 | 0.0% | 0.0% |
| - Neuromuscular medicine | 77 | 0 | 0.0% | 0.0% |
| - Vascular neurology | 189 | 0 | 0.0% | 0.0% |
| Child neurology | 479 | 1 | 0.2% | 0.7% |
| Nuclear medicine | 77 | 0 | 0.0% | 0.0% |
| Obstetrics and gynecology | 5,962 | 2 | 0.0% | 1.5% |
| - Female pelvic medicine and reconstructive surgery | 155 | 0 | 0.0% | 0.0% |
| - Gynecologic oncology | 240 | 0 | 0.0% | 0.0% |
| - Maternal-fetal medicine | 416 | 0 | 0.0% | 0.0% |
| - Reproductive endocrinology and infertility | 173 | 0 | 0.0% | 0.0% |
| - Complex family planning | 55 | 0 | 0.0% | 0.0% |
| Ophthalmology | 1,738 | 2 | 0.1% | 1.5% |
| - Ophthalmic plastic and reconstructive surgery | 3 | 0 | 0.0% | 0.0% |
| Orthopaedic surgery | 4,481 | 3 | 0.1% | 2.2% |
| - Adult reconstructive orthopaedics | 52 | 0 | 0.0% | 0.0% |
| - Foot and ankle orthopaedics | 16 | 0 | 0.0% | 0.0% |
| - Hand surgery | 159 | 0 | 0.0% | 0.0% |
| - Musculoskeletal oncology | 135 | 0 | 0.0% | 0.0% |
| - Orthopaedic sports medicine | 223 | 0 | 0.0% | 0.0% |
| - Orthopaedic surgery of the spine | 24 | 0 | 0.0% | 0.0% |
| - Orthopaedic trauma | 24 | 0 | 0.0% | 0.0% |
| - Pediatric orthopaedics | 39 | 0 | 0.0% | 0.0% |
| Osteopathic neuromusculoskeletal medicine | 83 | 1 | 1.2% | 0.7% |
| Otolaryngology - head and neck surgery | 1,795 | 0 | 0.0% | 0.0% |
| - Neurotology | 37 | 0 | 0.0% | 0.0% |
| | 40 | 0 | 0.0% | 0.0% |
| - Pediatric otolaryngology | | 0 | | |
| Pathology-anatomic and clinical | 2,342 | | 0.0% | 0.0% |
| - Blood banking/transfusion medicine | 44 | 0 | 0.0% | 0.0% |
| - Clinical informatics | 23 | 1 | 4.3% | 0.7% |
| - Chemical pathology | 1 | 0 | 0.0% | 0.0% |
| - Cytopathology | 116 | 0 | 0.0% | 0.0% |
| - Forensic pathology | 60 | 0 | 0.0% | 0.0% |
| - Hematopathology | 139 | 0 | 0.0% | 0.0% |
| - Medical microbiology | 14 | 0 | 0.0% | 0.0% |
| - Neuropathology | 56 | 0 | 0.0% | 0.0% |
| - Pediatric pathology | 21 | 0 | 0.0% | 0.0% |
| - Selective pathology | 176 | 1 | 0.6% | 0.7% |
| Pediatrics | 9,539 | 5 | 0.1% | 3.7% |
| - Adolescent medicine | 91 | 1 | 1.1% | 0.7% |
| - Child abuse pediatrics | 58 | 0 | 0.0% | 0.0% |
| - Clinical informatics | 28 | 0 | 0.0% | 0.0% |
| - Developmental-behavioral pediatrics | 103 | 0 | 0.0% | 0.0% |
| - Neonatal-perinatal medicine | 830 | 0 | 0.0% | 0.0% |
| - Pediatric cardiology | 480 | 1 | 0.2% | 0.7% |
| Pediatric critical care medicine | 618 | 3 | 0.5% | 2.2% |
| Pediatric emergency medicine | 454 | 2 | 0.4% | 1.5% |
| - Pediatric endocrinology | 249 | 0 | 0.0% | 0.0% |
| - Pediatric gastroenterology | 340 | 0 | 0.0% | 0.0% |
| - Pediatric hematology/oncology | 463 | 2 | 0.4% | 1.5% |
| - Pediatric infectious diseases | 193 | 0 | 0.0% | 0.0% |

TABLE C.7 Continued

Number of Active Part-Time Residents by Specialty and Subspecialty

| Specialty | Total Residents | Number of Part-Time Residents | Percent of All Residents in Specialty | Percent of All Part-Time Residents |
|--|-----------------|----------------------------------|--|---------------------------------------|
| - Pediatric nephrology | 144 | 1 | 0.7% | 0.7% |
| - Pediatric pulmonology | 194 | 2 | 1.0% | 1.5% |
| - Pediatric rheumatology | 109 | 1 | 0.9% | 0.7% |
| - Sports medicine | 27 | 0 | 0.0% | 0.0% |
| - Pediatric transplant hepatology | 12 | 0 | 0.0% | 0.0% |
| - Pediatric hospital medicine | 191 | 0 | 0.0% | 0.0% |
| Physical medicine and rehabilitation | 1,640 | 1 | 0.1% | 0.7% |
| - Brain injury medicine | 22 | 0 | 0.0% | 0.0% |
| - Neuromuscular medicine | 0 | 0 | 0.0% | 0.0% |
| - Spinal cord injury medicine | 24 | 0 | 0.0% | 0.0% |
| - Pediatric rehabilitation medicine | 42 | 0 | 0.0% | 0.0% |
| - Sports medicine | 41 | 0 | 0.0% | 0.0% |
| Plastic surgery | 202 | 0 | 0.0% | 0.0% |
| Plastic Surgery - integrated | 1,107 | 0 | 0.0% | 0.0% |
| - Craniofacial surgery | 5 | 0 | 0.0% | 0.0% |
| - Hand surgery | 27 | 0 | 0.0% | 0.0% |
| Public health and general preventive medicine | 195 | 0 | 0.0% | 0.0% |
| Aerospace medicine | 52 | 0 | 0.0% | 0.0% |
| Occupational and environmental medicine | 118 | 0 | 0.0% | 0.0% |
| - Undersea and hyperbaric medicine | 2 | 0 | 0.0% | 0.0% |
| Psychiatry | 7,739 | 6 | 0.1% | 4.4% |
| - Addiction medicine (multidisciplinary) | 1,739 | 2 | 1.3% | 4.4% |
| | 92 | 2 | 2.2% | |
| - Addiction psychiatry | 92 | 3 | 0.3% | 1.5% 2.2% |
| - Child and adolescent psychiatry | | - | | |
| - Forensic psychiatry | 75 | 0 | 0.0% | 0.0% |
| - Geriatric psychiatry | 58 | 0 | 0.0% | 0.0% |
| - Consultation-liaison psychiatry | 92 | 0 | 0.0% | 0.0% |
| Radiation oncology | 758 | 0 | 0.0% | 0.0% |
| Radiology-diagnostic | 4,614 | 3 | 0.1% | 2.2% |
| - Abdominal radiology | 50 | 0 | 0.0% | 0.0% |
| - Neuroendovascular intervention | 5 | 0 | 0.0% | 0.0% |
| - Musculoskeletal radiology | 38 | 0 | 0.0% | 0.0% |
| - Neuroradiology | 300 | 0 | 0.0% | 0.0% |
| - Nuclear radiology | 10 | 0 | 0.0% | 0.0% |
| - Pediatric radiology | 54 | 1 | 1.9% | 0.7% |
| Interventional radiology - independent | 177 | 0 | 0.0% | 0.0% |
| Interventional radiology - integrated | 750 | 0 | 0.0% | 0.0% |
| Surgery | 9,554 | 11 | 0.1% | 8.1% |
| - Complex general surgical oncology | 127 | 0 | 0.0% | 0.0% |
| - Hand surgery | 8 | 0 | 0.0% | 0.0% |
| - Pediatric surgery | 88 | 0 | 0.0% | 0.0% |
| - Surgical critical care | 341 | 0 | 0.0% | 0.0% |
| - Vascular surgery | 270 | 0 | 0.0% | 0.0% |
| Vascular surgery - integrated | 381 | 0 | 0.0% | 0.0% |
| Thoracic surgery | 256 | 0 | 0.0% | 0.0% |
| - Congenital cardiac surgery | 8 | 0 | 0.0% | 0.0% |
| Thoracic surgery - integrated | 237 | 0 | 0.0% | 0.0% |
| Urology | 1,834 | 0 | 0.0% | 0.0% |
| - Female pelvic medicine and reconstructive surgery | 42 | 0 | 0.0% | 0.0% |
| - Pediatric urology | 32 | 0 | 0.0% | 0.0% |
| Transitional year | 1,884 | 0 | 0.0% | 0.0% |
| Internal medicine/Pediatrics | 1,539 | 0 | 0.0% | 0.0% |
| Health care administration, leadership, and management | 0 | 0 | 0.0% | 0.0% |

FIGURE C.8

Geographic Distribution of Active Residents

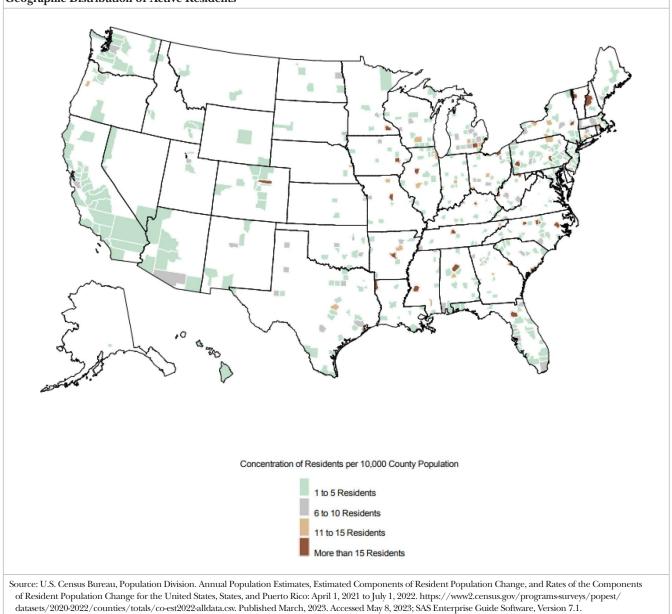


TABLE C.9

| State Name | State Abbreviation | State Population - Census Estimate 2022 | Total Residents | Percent of All Residents | Residents per 100,000 Pop |
|----------------------|--------------------|--|-----------------|--------------------------|------------------------------|
| OVERALL | - | 336,509,346 | 158,079 | 100.0% | 46.98 |
| Alabama | AL | 5,074,296 | 1,822 | 1.2% | 35.91 |
| Alaska | AK | 733,583 | 36 | 0.0% | 4.91 |
| Arizona | AZ | 7,359,197 | 2,193 | 1.4% | 29.80 |
| Arkansas | AR | 3,045,637 | 1,179 | 0.7% | 38.71 |
| California | CA | 39,029,342 | 14,705 | 9.3% | 37.68 |
| Colorado | CO | 5,839,926 | 1,773 | 1.1% | 30.36 |
| Connecticut | CT | 3,626,205 | 2,617 | 1.7% | 72.17 |
| Delaware | DE | 1,018,396 | 425 | 0.3% | 41.73 |
| District of Columbia | DC | 671,803 | 1,814 | 1.1% | 270.02 |
| Florida | FL | 22,244,823 | 8,525 | 5.4% | 38.32 |
| Georgia | GA | 10,912,876 | 3,345 | 2.1% | 30.65 |
| Hawaii | HI | 1,440,196 | 471 | 0.3% | 32.70 |
| Idaho | ID | 1,939,033 | 209 | 0.1% | 10.78 |
| Illinois | ID IL | 12,582,032 | 7,134 | 4.5% | 56.70 |
| | IL | | 1,697 | | |
| Indiana | | 6,833,037 | · · · | 1.1% | 24.84 |
| Iowa | IA | 3,200,517 | 1,050 | 0.7% | 32.81 |
| Kansas | KS | 2,937,150 | 958 | 0.6% | 32.62 |
| Kentucky | KY | 4,512,310 | 1,607 | 1.0% | 35.61 |
| Louisiana | LA | 4,590,241 | 2,405 | 1.5% | 52.39 |
| Maine | ME | 1,385,340 | 386 | 0.2% | 27.86 |
| Maryland | MD | 6,164,660 | 3,479 | 2.2% | 56.43 |
| Massachusetts | MA | 6,981,974 | 6,135 | 3.9% | 87.87 |
| Michigan | MI | 10,034,113 | 7,663 | 4.8% | 76.37 |
| Minnesota | MN | 5,717,184 | 2,462 | 1.6% | 43.06 |
| Mississippi | MS | 2,940,057 | 994 | 0.6% | 33.81 |
| Missouri | MO | 6,177,957 | 3,331 | 2.1% | 53.92 |
| Montana | MT | 1,122,867 | 83 | 0.1% | 7.39 |
| Nebraska | NE | 1,967,923 | 941 | 0.6% | 47.82 |
| Nevada | NV | 3,177,772 | 951 | 0.6% | 29.93 |
| New Hampshire | NH | 1,395,231 | 532 | 0.3% | 38.13 |
| New Jersey | NJ | 9,261,699 | 4,364 | 2.8% | 47.12 |
| New Mexico | NM | 2,113,344 | 770 | 0.5% | 36.44 |
| New York | NY | 19,677,151 | 19,517 | 12.3% | 99.19 |
| North Carolina | NC | 10,698,973 | 4,266 | 2.7% | 39.87 |
| North Dakota | ND | 779,261 | 187 | 0.1% | 24.00 |
| Ohio | OH | 11,756,058 | 7,812 | 4.9% | 66.45 |
| Oklahoma | OK | 4,019,800 | 1,298 | 0.8% | 32.29 |
| Oregon | OR | 4,240,137 | 1,176 | 0.7% | 27.73 |
| Pennsylvania | PA | 12,972,008 | 10,057 | 6.4% | 77.53 |
| Puerto Rico | PR | 3,221,789 | 965 | 0.6% | 29.95 |
| Rhode Island | RI | 1,093,734 | 942 | 0.6% | 86.13 |
| South Carolina | SC | 5,282,634 | 1,924 | 1.2% | 36.42 |
| South Dakota | SD | 909,824 | 1,924 | 0.1% | 18.36 |
| | TN | 7,051,339 | | | |
| Fennessee | | | 2,785 | 1.8% | 39.50 |
| Texas | TX | 30,029,572 | 10,889 | 6.9% | 36.26 |
| Utah | UT | 3,380,800 | 946 | 0.6% | 27.98 |
| Vermont | VT | 647,064 | 332 | 0.2% | 51.31 |
| Virginia | VA | 8,683,619 | 3,136 | 2.0% | 36.11 |
| Washington | WA | 7,785,786 | 2,359 | 1.5% | 30.30 |
| West Virginia | WV | 1,775,156 | 1,036 | 0.7% | 58.36 |
| Wisconsin | WI | 5,892,539 | 2,186 | 1.4% | 37.10 |
| Wyoming | WY | 581,381 | 43 | 0.0% | 7.40 |

| Number of Active Specialty Residents and Active Specialty Resident Concentration per 100,000 Population by State | | | | | | | | | |
|--|--------------------|--|------------------------------|---------------------------------------|--|--|--|--|--|
| State Name | State Abbreviation | State Population - Census Estimate 2022 | Total Specialty Residents | Percent of All Specialty Residents | Specialty Residents per 100,000 Pop | | | | |
| OVERALL | - | 336,509,346 | 130,000 | 100.0% | 38.63 | | | | |
| Alabama | AL | 5,074,296 | 1,521 | 1.2% | 29.97 | | | | |
| Alaska | AK | 733,583 | 35 | 0.0% | 4.77 | | | | |
| Arizona | AZ | 7,359,197 | 1,836 | 1.4% | 24.95 | | | | |
| Arkansas | AR | 3,045,637 | 1,041 | 0.8% | 34.18 | | | | |
| California | CA | 39,029,342 | 11,936 | 9.2% | 30.58 | | | | |
| Colorado | CO | 5,839,926 | 1,389 | 1.1% | 23.78 | | | | |
| Connecticut | CT | 3,626,205 | 2,124 | 1.6% | 58.57 | | | | |
| Delaware | DE | 1,018,396 | 369 | 0.3% | 36.23 | | | | |
| District of Columbia | DC | 671,803 | 1,422 | 1.1% | 211.67 | | | | |
| Florida | FL | 22,244,823 | 7,189 | 5.5% | 32.32 | | | | |
| Georgia | GA | 10,912,876 | 2,822 | 2.2% | 25.86 | | | | |
| Hawaii | HI | 1,440,196 | 436 | 0.3% | 30.27 | | | | |
| idaho | ID | 1,939,033 | 205 | 0.2% | 10.57 | | | | |
| Illinois | IL | 12,582,032 | 5,970 | 4.6% | 47.45 | | | | |
| Indiana | IN | 6,833,037 | 1,428 | 1.1% | 20.90 | | | | |
| lowa | IA | 3,200,517 | 872 | 0.7% | 27.25 | | | | |
| Kansas | KS | 2,937,150 | 830 | 0.6% | 28.26 | | | | |
| Kentucky | KS | 4,512,310 | 1,337 | 1.0% | 29.63 | | | | |
| Louisiana | LA | 4,590,241 | 2,057 | 1.6% | 44.81 | | | | |
| Maine | ME | 1,385,340 | 341 | 0.3% | 24.61 | | | | |
| Maryland | | 6,164,660 | 2,698 | 2.1% | 43.77 | | | | |
| Maryland Massachusetts | MD | , , | | | | | | | |
| | MA | 6,981,974 | 4,626 | 3.6% | 66.26 | | | | |
| Michigan | MI | 10,034,113 | 6,572 | 5.1% | 65.50 | | | | |
| Minnesota | MN | 5,717,184 | 1,894 | 1.5% | 33.13 | | | | |
| Mississippi | MS | 2,940,057 | 871 | 0.7% | 29.63 | | | | |
| Missouri | MO | 6,177,957 | 2,621 | 2.0% | 42.43 | | | | |
| Montana | MT | 1,122,867 | 83 | 0.1% | 7.39 | | | | |
| Nebraska | NE | 1,967,923 | 754 | 0.6% | 38.31 | | | | |
| Nevada | NV | 3,177,772 | 860 | 0.7% | 27.06 | | | | |
| New Hampshire | NH | 1,395,231 | 438 | 0.3% | 31.39 | | | | |
| New Jersey | NJ | 9,261,699 | 3,814 | 2.9% | 41.18 | | | | |
| New Mexico | NM | 2,113,344 | 629 | 0.5% | 29.76 | | | | |
| New York | NY | 19,677,151 | 15,982 | 12.3% | 81.22 | | | | |
| North Carolina | NC | 10,698,973 | 3,418 | 2.6% | 31.95 | | | | |
| North Dakota | ND | 779,261 | 182 | 0.1% | 23.36 | | | | |
| Ohio | OH | 11,756,058 | 6,350 | 4.9% | 54.01 | | | | |
| Oklahoma | OK | 4,019,800 | 1,149 | 0.9% | 28.58 | | | | |
| Oregon | OR | 4,240,137 | 970 | 0.7% | 22.88 | | | | |
| Pennsylvania | PA | 12,972,008 | 8,138 | 6.3% | 62.74 | | | | |
| Puerto Rico | PR | 3,221,789 | 835 | 0.6% | 25.92 | | | | |
| Rhode Island | RI | 1,093,734 | 756 | 0.6% | 69.12 | | | | |
| South Carolina | SC | 5,282,634 | 1,661 | 1.3% | 31.44 | | | | |
| South Dakota | SD | 909,824 | 156 | 0.1% | 17.15 | | | | |
| Tennessee | TN | 7,051,339 | 2,222 | 1.7% | 31.51 | | | | |
| Texas | TX | 30,029,572 | 8,826 | 6.8% | 29.39 | | | | |
| Utah | UT | 3,380,800 | 727 | 0.6% | 21.50 | | | | |
| Vermont | VT | 647,064 | 266 | 0.2% | 41.11 | | | | |
| Virginia | VA | 8,683,619 | 2,677 | 2.1% | 30.83 | | | | |
| Washington | WA | 7,785,786 | 1,956 | 1.5% | 25.12 | | | | |
| West Virginia | WV | 1,775,156 | 885 | 0.7% | 49.85 | | | | |
| Wisconsin | WI | 5,892,539 | 1,781 | 1.4% | 30.22 | | | | |
| Wyoming | WY | 581,381 | 43 | 0.0% | 7.40 | | | | |

| | | nts and Active Subspecial | | | |
|----------------------|--------------------|--|---------------------------------|--|--|
| State Name | State Abbreviation | State Population - Census Estimate 2022 | Total Subspecialty Residents | Percent of All Subspecialty Residents | Subspecialty Resident per 100,000 Pop |
| OVERALL | - | 336,509,346 | 28,079 | 100.0% | 8.34 |
| Alabama | AL | 5,074,296 | 301 | 1.1% | 5.93 |
| Alaska | AK | 733,583 | 1 | 0.0% | 0.14 |
| Arizona | AZ | 7,359,197 | 357 | 1.3% | 4.85 |
| Arkansas | AR | 3,045,637 | 138 | 0.5% | 4.53 |
| California | CA | 39,029,342 | 2,769 | 9.9% | 7.09 |
| Colorado | CO | 5,839,926 | 384 | 1.4% | 6.58 |
| Connecticut | CT | 3,626,205 | 493 | 1.8% | 13.60 |
| Delaware | DE | 1,018,396 | 56 | 0.2% | 5.50 |
| District of Columbia | DC | 671,803 | 392 | 1.4% | 58.35 |
| Florida | FL | 22,244,823 | 1,336 | 4.8% | 6.01 |
| Georgia | GA | 10,912,876 | 523 | 1.9% | 4.79 |
| Hawaii | HI | 1,440,196 | 35 | 0.1% | 2.43 |
| Idaho | ID | 1,939,033 | 4 | 0.0% | 0.21 |
| Illinois | IL | 12,582,032 | 1,164 | 4.1% | 9.25 |
| Indiana | IN | 6,833,037 | 269 | 1.0% | 3.94 |
| lowa | IA | 3,200,517 | 178 | 0.6% | 5.56 |
| Kansas | KS | 2,937,150 | 178 | 0.5% | 4.36 |
| | KS | | 270 | | |
| Kentucky | | 4,512,310 | | 1.0% | 5.98 |
| Louisiana | LA | 4,590,241 | 348 | 1.2% | 7.58 |
| Maine | ME | 1,385,340 | 45 | 0.2% | 3.25 |
| Maryland | MD | 6,164,660 | 781 | 2.8% | 12.67 |
| Massachusetts | MA | 6,981,974 | 1,509 | 5.4% | 21.61 |
| Michigan | MI | 10,034,113 | 1,091 | 3.9% | 10.87 |
| Minnesota | MN | 5,717,184 | 568 | 2.0% | 9.93 |
| Mississippi | MS | 2,940,057 | 123 | 0.4% | 4.18 |
| Missouri | MO | 6,177,957 | 710 | 2.5% | 11.49 |
| Montana | MT | 1,122,867 | 0 | 0.0% | 0.00 |
| Nebraska | NE | 1,967,923 | 187 | 0.7% | 9.50 |
| Nevada | NV | 3,177,772 | 91 | 0.3% | 2.86 |
| New Hampshire | NH | 1,395,231 | 94 | 0.3% | 6.74 |
| New Jersey | NJ | 9,261,699 | 550 | 2.0% | 5.94 |
| New Mexico | NM | 2,113,344 | 141 | 0.5% | 6.67 |
| New York | NY | 19,677,151 | 3,535 | 12.6% | 17.96 |
| North Carolina | NC | 10,698,973 | 848 | 3.0% | 7.93 |
| North Dakota | ND | 779,261 | 5 | 0.0% | 0.64 |
| Ohio | OH | 11,756,058 | 1,462 | 5.2% | 12.44 |
| Oklahoma | OK | 4,019,800 | 149 | 0.5% | 3.71 |
| Oregon | OR | 4,240,137 | 206 | 0.7% | 4.86 |
| Pennsylvania | PA | 12,972,008 | 1,919 | 6.8% | 14.79 |
| Puerto Rico | PR | 3,221,789 | 130 | 0.5% | 4.04 |
| Rhode Island | RI | 1,093,734 | 186 | 0.7% | 17.01 |
| South Carolina | SC | 5,282,634 | 263 | 0.9% | 4.98 |
| South Dakota | SD | 909,824 | 11 | 0.0% | 1.21 |
| Fennessee | TN | 7,051,339 | 563 | 2.0% | 7.98 |
| Texas | TX | 30,029,572 | 2,063 | 7.3% | 6.87 |
| Utah | UT | 3,380,800 | 219 | 0.8% | 6.48 |
| Vermont | VT | 647,064 | 66 | 0.8% | 10.20 |
| Virginia | VI | 8,683,619 | 459 | 1.6% | 5.29 |
| Washington | WA | 7,785,786 | 403 | 1.0% | 5.18 |
| | | | | | 8.51 |
| West Virginia | WV | 1,775,156 | 151 | 0.5% | |
| Wisconsin Wyoming | WI WY | <u>5,892,539</u> 581,381 | 405 | <u> </u> | 6.87 |

| | eline Residents and Act | | contraction per ro | o,ooo i opulution b | y State | |
|----------------------|-------------------------|--|-----------------------------|--------------------------------------|--------------------------------------|--|
| State Name | State Abbreviation | State Population - Census Estimate 2022 | Total Pipeline Residents | Percent of All Pipeline Residents | Pipeline Resident per 100,000 Pop | |
| OVERALL | - | 336,509,346 | 127,604 | 100.0% | 37.92 | |
| Alabama | AL | 5,074,296 | 1,488 | 1.2% | 29.32 | |
| Alaska | AK | 733,583 | 35 | 0.0% | 4.77 | |
| Arizona | AZ | 7,359,197 | 1,795 | 1.4% | 24.39 | |
| Arkansas | AR | 3,045,637 | 1,011 | 0.8% | 33.20 | |
| California | CA | 39,029,342 | 11,742 | 9.2% | 30.09 | |
| Colorado | CO | 5,839,926 | 1,364 | 1.1% | 23.36 | |
| Connecticut | CT | 3,626,205 | 2,110 | 1.7% | 58.19 | |
| Delaware | DE | 1,018,396 | 362 | 0.3% | 35.55 | |
| District of Columbia | DC | 671,803 | 1,424 | 1.1% | 211.97 | |
| Florida | FL | 22,244,823 | 6,944 | 5.4% | 31.22 | |
| Georgia | GA | 10,912,876 | 2,714 | 2.1% | 24.87 | |
| Hawaii | HI | 1,440,196 | 419 | 0.3% | 29.09 | |
| daho | ID | 1,939,033 | 205 | 0.2% | 10.57 | |
| llinois | IL | 12,582,032 | 5,884 | 4.6% | 46.77 | |
| Indiana | IN | 6,833,037 | 1,378 | 1.1% | 20.17 | |
| lowa | IA | 3,200,517 | 862 | 0.7% | 26.93 | |
| Kansas | KS | 2,937,150 | 824 | 0.6% | 28.05 | |
| Kentucky | KS | 4,512,310 | 1,323 | 1.0% | 29.32 | |
| Louisiana | LA | 4,590,241 | 2,042 | 1.6% | 44.49 | |
| | | | 341 | | | |
| Maine | ME | 1,385,340 | 2,632 | 0.3% | 24.61 | |
| Maryland | MD | 6,164,660 | | 2.1% | 42.69 | |
| Massachusetts | MA | 6,981,974 | 4,539 | 3.6% | 65.01 | |
| Michigan | MI | 10,034,113 | 6,407 | 5.0% | 63.85 | |
| Minnesota | MN | 5,717,184 | 1,854 | 1.5% | 32.43 | |
| Mississippi | MS | 2,940,057 | 849 | 0.7% | 28.88 | |
| Missouri | MO | 6,177,957 | 2,594 | 2.0% | 41.99 | |
| Montana | MT | 1,122,867 | 83 | 0.1% | 7.39 | |
| Nebraska | NE | 1,967,923 | 750 | 0.6% | 38.11 | |
| Nevada | NV | 3,177,772 | 834 | 0.7% | 26.24 | |
| New Hampshire | NH | 1,395,231 | 438 | 0.3% | 31.39 | |
| New Jersey | NJ | 9,261,699 | 3,725 | 2.9% | 40.22 | |
| New Mexico | NM | 2,113,344 | 621 | 0.5% | 29.38 | |
| New York | NY | 19,677,151 | 15,783 | 12.4% | 80.21 | |
| North Carolina | NC | 10,698,973 | 3,350 | 2.6% | 31.31 | |
| North Dakota | ND | 779,261 | 177 | 0.1% | 22.71 | |
| Dhio | OH | 11,756,058 | 6,249 | 4.9% | 53.16 | |
| Oklahoma | OK | 4,019,800 | 1,145 | 0.9% | 28.48 | |
| Dregon | OR | 4,240,137 | 965 | 0.8% | 22.76 | |
| Pennsylvania | PA | 12,972,008 | 8,005 | 6.3% | 61.71 | |
| Puerto Rico | PR | 3,221,789 | 797 | 0.6% | 24.74 | |
| Rhode Island | RI | 1,093,734 | 755 | 0.6% | 69.03 | |
| South Carolina | SC | 5,282,634 | 1,627 | 1.3% | 30.80 | |
| South Dakota | SD | 909,824 | 150 | 0.1% | 16.49 | |
| Tennessee | TN | 7,051,339 | 2,194 | 1.7% | 31.11 | |
| Texas | TX | 30,029,572 | 8,670 | 6.8% | 28.87 | |
| Utah | UT | 3,380,800 | 714 | 0.6% | 21.12 | |
| Vermont | VT | 647,064 | 267 | 0.2% | 41.26 | |
| Virginia | VA | 8,683,619 | 2,613 | 2.0% | 30.09 | |
| Washington | WA | 7,785,786 | 1,902 | 1.5% | 24.43 | |
| West Virginia | WV | 1,775,156 | 870 | 0.7% | 49.01 | |
| Wisconsin | WI | 5,892,539 | 1,735 | 1.4% | 29.44 | |
| Wyoming | WY | 581,381 | 43 | 0.0% | 7.40 | |

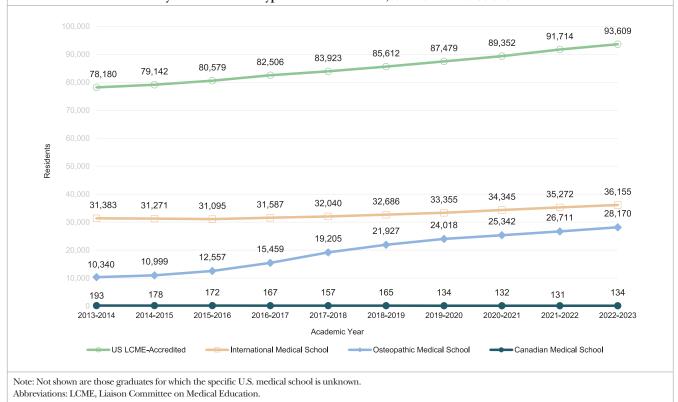


Number of Active Residents by Medical School Type

| | | Resident Count | Percent | Percent of Residents |
|-----------------------|------------------------------|-------------------|---------|------------------------|
| Specialty Programs | US LCME-Accredited | 78,007 | 60.0% | |
| | International Medical School | 27,324 | 21.0% | |
| | Osteopathic Medical School | 24,616 | 18.9% | |
| | Canadian Medical School | 45 | 0.0% | |
| | US Medical School Unknown | 8 | 0.0% | |
| Subspecialty Programs | US LCME-Accredited | 15,602 | 55.6% | |
| | International Medical School | 8,831 | 31.5% | |
| | Osteopathic Medical School | 3,554 | 12.7% | |
| | Canadian Medical School | 89 | 0.3% | |
| | US Medical School Unknown | 3 | 0.0% | |
| | | | | 0% 20% 40% 60% 80% 100 |



Number of Active Residents by Medical School Type and Academic Year, 2013-2014 to 2022-2023



| TABLE C.15 | | | | | | | | | | | |
|---|-----------|---------------------------|-----------|----------|---------------------|--------|--------------------|--------|---------------------|----|--------------------|
| Number of Active Residents by Specialty an | d Subspe | cialty and | l Medic | al Schoo | ol Type | | | | | | |
| | Total | US LO Accredite Sch | d Medical | | ational l School | | pathic l School | | nadian al School | | ledical Unknown |
| Specialty | Residents | # | % | # | % | # | % | # | % | # | % |
| OVERALL | 158,079 | 93,609 | 59.2% | 36,155 | 22.9% | 28,170 | 17.8% | 134 | 0.1% | 11 | 0.0% |
| TOTAL PIPELINE | 127,604 | 76,448 | 59.9% | 27,083 | 21.2% | 24,024 | 18.8% | 41 | 0.0% | 8 | 0.0% |
| Allergy and immunology | 323 | 231 | 71.5% | 50 | 15.5% | 42 | 13.0% | 0 | 0.0% | 0 | 0.0% |
| Anesthesiology | 7,241 | 5,140 | 71.0% | 705 | 9.7% | 1,393 | 19.2% | 3 | 0.0% | 0 | 0.0% |
| - Adult cardiothoracic anesthesiology | 254 | 165 | 65.0% | 51 | 20.1% | 35 | 13.8% | 3 | 1.2% | 0 | 0.0% |
| - Critical care medicine | 210 | 138 | 65.7% | 40 | 19.0% | 32 | 15.2% | 0 | 0.0% | 0 | 0.0% |
| - Regional anesthesiology and acute pain medicine | 92 | 53 | 57.6% | 27 | 29.3% | 12 | 13.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric cardiac anesthesiology | 15 | 10 | 66.7% | 2 | 13.3% | 3 | 20.0% | 0 | 0.0% | 0 | 0.0% |
| - Obstetric anesthesiology | 48 | 30 | 62.5% | 12 | 25.0% | 4 | 8.3% | 2 | 4.2% | 0 | 0.0% |
| - Pain medicine (multidisciplinary) | 411 | 250 | 60.8% | 70 | 17.0% | 91 | 22.1% | 0 | 0.0% | 0 | 0.0% |
| | 183 | 123 | 67.2% | 30 | 16.4% | 30 | 16.4% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric anesthesiology | 105 | 89 | 80.9% | 12 | 10.4% | 6 | 5.5% | 3 | 2.7% | 0 | 0.0% |
| Colon and rectal surgery | 1,633 | 1,405 | 80.9% | 53 | 3.2% | 174 | 5.5% 10.7% | 3 1 | 0.1% | 0 | 0.0% |
| Dermatology | 1,033 | 1,405 | 62.3% | 21 | 3.2% 27.3% | 5 | 6.5% | 3 | 0.1% 3.9% | 0 | 0.0% |
| - Dermatopathology (multidisciplinary) | | | | 3 | | 7 | | | | 0 | - |
| - Micrographic surgery and dermatologic oncology | 91 | 80 | 87.9% | | 3.3% | | 7.7% | 1 | 1.1% | - | 0.0% |
| - Pediatric dermatology | 19 | 15 | 78.9% | 3 | 15.8% | 1 | 5.3% | 0 | 0.0% | 0 | 0.0% |
| Emergency medicine | 9,346 | 6,026 | 64.5% | 659 | 7.1% | 2,657 | 28.4% | 1 | 0.0% | 3 | 0.0% |
| - Emergency medical services | 95 | 64 | 67.4% | 6 | 6.3% | 25 | 26.3% | 0 | 0.0% | 0 | 0.0% |
| - Medical toxicology | 93 | 71 | 76.3% | 7 | 7.5% | 15 | 16.1% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric emergency medicine | 143 | 79 | 55.2% | 33 | 23.1% | 31 | 21.7% | 0 | 0.0% | 0 | 0.0% |
| - Sports medicine | 18 | 10 | 55.6% | 3 | 16.7% | 5 | 27.8% | 0 | 0.0% | 0 | 0.0% |
| - Undersea and hyperbaric medicine | 11 | 10 | 90.9% | 1 | 9.1% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Family medicine | 15,010 | 5,773 | 38.5% | 4,101 | 27.3% | 5,133 | 34.2% | 2 | 0.0% | 1 | 0.0% |
| - Clinical informatics | 23 | 18 | 78.3% | 3 | 13.0% | 2 | 8.7% | 0 | 0.0% | 0 | 0.0% |
| - Geriatric medicine | 43 | 16 | 37.2% | 20 | 46.5% | 7 | 16.3% | 0 | 0.0% | 0 | 0.0% |
| - Hospice and palliative medicine (multidisciplinary) | 481 | 270 | 56.1% | 116 | 24.1% | 92 | 19.1% | 3 | 0.6% | 0 | 0.0% |
| - Sports medicine | 294 | 129 | 43.9% | 44 | 15.0% | 121 | 41.2% | 0 | 0.0% | 0 | 0.0% |
| Internal medicine | 31,794 | 13,891 | 43.7% | 12,345 | 38.8% | 5,546 | 17.4% | 10 | 0.0% | 2 | 0.0% |
| - Adult congenital heart disease | 30 | 24 | 80.0% | 5 | 16.7% | 1 | 3.3% | 0 | 0.0% | 0 | 0.0% |
| - Advanced heart failure and transplant cardiology | 97 | 42 | 43.3% | 47 | 48.5% | 6 | 6.2% | 2 | 2.1% | 0 | 0.0% |
| - Cardiovascular disease | 3,456 | 1,745 | 50.5% | 1,307 | 37.8% | 403 | 11.7% | 1 | 0.0% | 0 | 0.0% |
| - Clinical cardiac electrophysiology | 329 | 177 | 53.8% | 127 | 38.6% | 20 | 6.1% | 5 | 1.5% | 0 | 0.0% |
| - Clinical informatics | 65 | 45 | 69.2% | 15 | 23.1% | 5 | 7.7% | 0 | 0.0% | 0 | 0.0% |
| - Critical care medicine | 358 | 139 | 38.8% | 139 | 38.8% | 80 | 22.3% | 0 | 0.0% | 0 | 0.0% |
| - Endocrinology, diabetes, and metabolism | 721 | 212 | 29.4% | 429 | 59.5% | 79 | 11.0% | 1 | 0.1% | 0 | 0.0% |
| - Gastroenterology | 1,975 | 1,171 | 59.3% | 555 | 28.1% | 249 | 12.6% | 0 | 0.0% | 0 | 0.0% |
| - Geriatric medicine | 270 | 93 | 34.4% | 146 | 54.1% | 31 | 11.5% | 0 | 0.0% | 0 | 0.0% |
| - Hematology and medical oncology | 2,098 | 1,133 | 54.0% | 787 | 37.5% | 176 | 8.4% | 2 | 0.1% | 0 | 0.0% |
| - Infectious disease | 817 | 371 | 45.4% | 342 | 41.9% | 103 | 12.6% | 1 | 0.1% | 0 | 0.0% |
| - Interventional cardiology | 373 | 144 | 38.6% | 197 | 52.8% | 31 | 8.3% | 1 | 0.3% | 0 | 0.0% |
| - Nephrology | 872 | 202 | 23.2% | 549 | 63.0% | 118 | 13.5% | 1 | 0.1% | 2 | 0.2% |
| - Medical oncology | 10 | 2 | 20.0% | 7 | 70.0% | 1 | 10.0% | 0 | 0.0% | 0 | 0.0% |
| - Pulmonary disease | 65 | 7 | 10.8% | 53 | 81.5% | 5 | 7.7% | 0 | 0.0% | 0 | 0.0% |
| - Pulmonary disease and critical care medicine | 2,268 | 1,090 | 48.1% | 829 | 36.6% | 347 | 15.3% | 2 | 0.1% | 0 | 0.0% |
| - Rheumatology | 551 | 239 | 43.4% | 222 | 40.3% | 90 | 16.3% | 0 | 0.1% | 0 | 0.0% |
| - Sleep medicine (multidisciplinary) | 214 | 92 | 43.0% | 91 | 42.5% | 31 | 14.5% | 0 | 0.0% | 0 | 0.0% |
| - Transplant hepatology | 48 | 32 | 66.7% | 15 | 31.3% | 1 | 2.1% | 0 | 0.0% | 0 | 0.0% |
| Medical genetics and genomics | 64 | 32 | 53.1% | 26 | 40.6% | 4 | 6.3% | 0 | 0.0% | 0 | 0.0% |
| - Medical biochemical genetics | 15 | 12 | 80.0% | 20 | 40.0% 20.0% | 0 | 0.3% | 0 | 0.0% | 0 | 0.0% |
| | 59 | 24 | | 31 | | 4 | | 0 | 0.0% | 0 | - |
| - Molecular genetic pathology (multidisciplinary) | | | 40.7% | 127 | 52.5% | 51 | 6.8% 3.2% | 0 | 0.0% | 0 | 0.0% |
| Neurological surgery | 1,593 | 1,415 | 88.8% | | 8.0% | | | | | | 0.0% |
| - Neuroendovascular intervention | 3 | 3 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |

TABLE C.15 Continued

Number of Active Residents by Specialty and Subspecialty and Medical School Type

| | Total | US LO Accredited Sch | d Medical | International Medical School | | Osteopathic Medical School | | Canadian Medical School | | US Medical School Unknown | |
|---|-----------|----------------------------|----------------|---------------------------------|----------------|-------------------------------|---------------|----------------------------|--------------|------------------------------|------|
| Specialty | Residents | # | % | # | % | # | % | # | % | # | % |
| Neurology | 3,530 | 1,864 | 52.8% | 1,136 | 32.2% | 527 | 14.9% | 2 | 0.1% | 1 | 0.0% |
| - Clinical neurophysiology | 153 | 75 | 49.0% | 55 | 35.9% | 22 | 14.4% | 1 | 0.7% | 0 | 0.0% |
| - Epilepsy | 158 | 88 | 55.7% | 48 | 30.4% | 20 | 12.7% | 2 | 1.3% | 0 | 0.0% |
| - Neurocritical care (multidisciplinary) | 120 | 54 | 45.0% | 49 | 40.8% | 16 | 13.3% | 1 | 0.8% | 0 | 0.0% |
| - Neuroendovascular intervention | 1 | 0 | 0.0% | 1 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Neurodevelopmental disabilities | 31 | 23 | 74.2% | 5 | 16.1% | 2 | 6.5% | 1 | 3.2% | 0 | 0.0% |
| - Neuromuscular medicine | 77 | 49 | 63.6% | 20 | 26.0% | 5 | 6.5% | 3 | 3.9% | 0 | 0.0% |
| - Vascular neurology | 189 | 99 | 52.4% | 70 | 37.0% | 20 | 10.6% | 0 | 0.0% | 0 | 0.0% |
| Child neurology | 479 | 339 | 70.8% | 91 | 19.0% | 48 | 10.0% | 1 | 0.2% | 0 | 0.0% |
| Nuclear medicine | 77 | 14 | 18.2% | 59 | 76.6% | 3 | 3.9% | 1 | 1.3% | 0 | 0.0% |
| Obstetrics and gynecology | 5,962 | 4,593 | 77.0% | 386 | 6.5% | 982 | 16.5% | 1 | 0.0% | 0 | 0.0% |
| - Female pelvic medicine and reconstructive surgery | 155 | 131 | 84.5% | 9 | 5.8% | 15 | 9.7% | 0 | 0.0% | 0 | 0.0% |
| - Gynecologic oncology | 240 | 222 | 92.5% | 12 | 5.0% | 5 | 2.1% | 1 | 0.4% | 0 | 0.0% |
| - Maternal-fetal medicine | 416 | 336 | 80.8% | 48 | 11.5% | 31 | 7.5% | 1 | 0.2% | 0 | 0.0% |
| - Reproductive endocrinology and infertility | 173 | 149 | 86.1% | 14 | 8.1% | 8 | 4.6% | 2 | 1.2% | 0 | 0.0% |
| - Complex family planning | 55 | 52 | 94.5% | 0 | 0.0% | 3 | 5.5% | 0 | 0.0% | 0 | 0.0% |
| Ophthalmology | 1,738 | 1,577 | 90.7% | 69 | 4.0% | 91 | 5.2% | 1 | 0.1% | 0 | 0.0% |
| - Ophthalmic plastic and reconstructive surgery | 3 | 3 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Orthopaedic surgery | 4,481 | 3,804 | 84.9% | 66 | 1.5% | 611 | 13.6% | 0 | 0.0% | 0 | 0.0% |
| - Adult reconstructive orthopaedics | 52 | 46 | 88.5% | 3 | 5.8% | 1 | 1.9% | 2 | 3.8% | 0 | 0.0% |
| - Foot and ankle orthopaedics | 16 | 10 | 68.8% | 2 | 12.5% | 2 | 12.5% | 1 | 6.3% | 0 | 0.0% |
| - Hand surgery | 159 | 142 | 89.3% | 5 | 3.1% | 7 | 4.4% | 5 | 3.1% | 0 | 0.0% |
| - Musculoskeletal oncology | 133 | 112 | 85.7% | 2 | 14.3% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Orthopaedic sports medicine | 223 | 184 | 82.5% | 11 | 4.9% | 24 | 10.8% | 4 | 1.8% | 0 | 0.0% |
| - Orthopaedic surgery of the spine | 223 | 21 | 87.5% | 1 | 4.3% | 24 | 8.3% | 0 | 0.0% | 0 | 0.0% |
| - Orthopaedic trauma | 24 | 16 | 80.0% | 2 | 10.0% | 1 | 5.0% | 1 | 5.0% | 0 | 0.0% |
| - Pediatric orthopaedics | 39 | 24 | 61.5% | 8 | 20.5% | 5 | 12.8% | 2 | 5.1% | 0 | 0.0% |
| Osteopathic neuromusculoskeletal medicine | 83 | 24 | 2.4% | 1 | 1.2% | 80 | 96.4% | 0 | 0.0% | 0 | 0.0% |
| Otolaryngology - head and neck surgery | 1,795 | 1,651 | 92.0% | 34 | 1.2% | 110 | 6.1% | 0 | 0.0% | 0 | 0.0% |
| - Neurotology | 37 | 32 | 92.0% 86.5% | 2 | 5.4% | 0 | 0.1% | 3 | 8.1% | 0 | 0.0% |
| - Pediatric otolaryngology | 40 | 27 | 67.5% | 9 | 22.5% | 1 | 2.5% | 2 | 5.0% | 1 | 2.5% |
| Pathology-anatomic and clinical | 2,342 | 934 | 39.9% | 1,140 | 48.7% | 266 | 11.4% | 2 | 0.1% | 0 | 0.0% |
| - Blood banking/transfusion medicine | 44 | 934 27 | 61.4% | 1,140 | 38.6% | 200 | 0.0% | 0 | 0.1% | 0 | 0.0% |
| - Clinical informatics | 23 | 9 | 39.1% | 17 | 52.2% | 2 | 8.7% | 0 | 0.0% | 0 | 0.0% |
| | 1 | 0 | 0.0% | 0 | 0.0% | 1 | 100.0% | 0 | 0.0% | 0 | 0.0% |
| - Chemical pathology | 116 | 42 | 36.2% | 61 | 52.6% | 12 | 10.3% | 1 | 0.0% | 0 | 0.0% |
| - Cytopathology - Forensic pathology | 60 | 33 | 55.0% | 15 | 25.0% | 11 | 18.3% | 1 | 1.7% | 0 | 0.0% |
| | 139 | 52 | 37.4% | 72 | 51.8% | 11 | 10.8% | 0 | 0.0% | 0 | 0.0% |
| - Hematopathology - Medical microbiology | 139 | 10 | 71.4% | 2 | 14.3% | 15 | 7.1% | 1 | 7.1% | 0 | 0.0% |
| - Neuropathology | 56 | 31 | 55.4% | 19 | 33.9% | 6 | 10.7% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric pathology | 21 | 10 | 47.6% | 4 | 19.0% | 2 | 9.5% | 5 | 23.8% | 0 | 0.0% |
| - Selective pathology | 176 | 36 | | 128 | 19.0% 72.7% | 8 | 9.5% 4.5% | 4 | 23.8% | 0 | |
| Pediatrics | 9,539 | 5,759 | 20.5% | 2,025 | 21.2% | | | 4 | 0.0% | 1 | 0.0% |
| | | - | 60.4% | | | 1,751 | 18.4% | 0 | | 0 | |
| - Adolescent medicine - Child abuse pediatrics | 91 | 71 39 | 78.0% | 9 | 9.9% | 11 9 | 12.1% | - | 0.0% | 0 | 0.0% |
| - Clinical informatics | 58 28 | 18 | 67.2% 64.3% | 9 | 15.5% 25.0% | 9 | 15.5% 7.1% | 1 | 1.7% 3.6% | 0 | 0.0% |
| | | | | | | | | 1 | | | |
| - Developmental-behavioral pediatrics | 103 | 49 | 47.6% | 34 | 33.0% | 20 | 19.4% | 0 | 0.0% | 0 | 0.0% |
| - Neonatal-perinatal medicine | 830 | 482 | 58.1% | 233 | 28.1% | 114 | 13.7% | 1 | 0.1% | 0 | 0.0% |
| - Pediatric cardiology | 480 | 321 | 66.9% | 109 | 22.7% | 50 | 10.4% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric critical care medicine | 618 | 428 | 69.3% | 112 | 18.1% | 78 | 12.6% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric emergency medicine | 454 | 328 | 72.2% | 60 | 13.2% | 65 | 14.3% | 1 | 0.2% | 0 | 0.0% |
| - Pediatric endocrinology | 249 | 122 | 49.0% | 97 | 39.0% | 30 | 12.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric gastroenterology | 340 | 213 | 62.6% | 91 | 26.8% | 36 | 10.6% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric hematology/oncology | 463 | 282 | 60.9% | 116 | 25.1% | 64 | 13.8% | 1 | 0.2% | 0 | 0.0% |
| - Pediatric infectious diseases | 193 | 109 | 56.5% | 66 | 34.2% | 18 | 9.3% | 0 | 0.0% | 0 | 0.0% |

| TABLE C.15 Continued | 16-1 | 14 | 1 M. P | 10.1 | 17. | | | | | | |
|--|--------------------|--|--------|---|--------|-------------------------------|-------|----------------------------|-------|------------------------------|------|
| Number of Active Residents by Specialty an | d Subspe | cialty and Medica US LCME - Accredited Medical School | | al School Type International Medical School | | Osteopathic Medical School | | Canadian Medical School | | US Medical School Unknown | |
| Specialty | Total Residents | # | % | # | % | # | % | # | % | # | % |
| - Pediatric nephrology | 144 | 93 | 64.6% | 36 | 25.0% | 15 | 10.4% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric pulmonology | 194 | 108 | 55.7% | 61 | 31.4% | 25 | 12.9% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric rheumatology | 101 | 82 | 75.2% | 21 | 19.3% | 6 | 5.5% | 0 | 0.0% | 0 | 0.0% |
| - Sports medicine | 27 | 18 | 66.7% | 1 | 3.7% | 8 | 29.6% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric transplant hepatology | 12 | 8 | 66.7% | 3 | 25.0% | 1 | 8.3% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric hospital medicine | 191 | 150 | 78.5% | 13 | 6.8% | 27 | 14.1% | 1 | 0.5% | 0 | 0.0% |
| Physical medicine and rehabilitation | 1,640 | 891 | 54.3% | 147 | 9.0% | 602 | 36.7% | 0 | 0.0% | 0 | 0.0% |
| - Brain injury medicine | 22 | 14 | 63.6% | 2 | 9.1% | 6 | 27.3% | 0 | 0.0% | 0 | 0.0% |
| - Neuromuscular medicine | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Spinal cord injury medicine | 24 | 15 | 62.5% | 1 | 4.2% | 8 | 33.3% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric rehabilitation medicine | 42 | 30 | 71.4% | 4 | 9.5% | 8 | 19.0% | 0 | 0.0% | 0 | 0.0% |
| - Sports medicine | 41 | 29 | 70.7% | 6 | 14.6% | 6 | 14.6% | 0 | 0.0% | 0 | 0.0% |
| Plastic surgery | 202 | 141 | 69.8% | 43 | 21.3% | 18 | 8.9% | 0 | 0.0% | 0 | 0.0% |
| Plastic Surgery - integrated | 1,107 | 1,045 | 94.4% | 52 | 4.7% | 10 | 0.9% | 0 | 0.0% | 0 | 0.0% |
| - Craniofacial surgery | 5 | 3 | 60.0% | 1 | 20.0% | 1 | 20.0% | 0 | 0.0% | 0 | 0.0% |
| - Hand surgery | 27 | 22 | 81.5% | 1 | 3.7% | 1 | 3.7% | 3 | 11.1% | 0 | 0.0% |
| Public health and general preventive medicine | 195 | 119 | 61.0% | 50 | 25.6% | 25 | 12.8% | 1 | 0.5% | 0 | 0.0% |
| Aerospace medicine | 52 | 34 | 65.4% | 0 | 0.0% | 17 | 32.7% | 1 | 1.9% | 0 | 0.0% |
| Occupational and environmental medicine | 118 | 68 | 57.6% | 27 | 22.9% | 22 | 18.6% | 1 | 0.8% | 0 | 0.0% |
| - Undersea and hyperbaric medicine | 2 | 2 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Psychiatry | 7,739 | 4,891 | 63.2% | 1,369 | 17.7% | 1,477 | 19.1% | 2 | 0.0% | 0 | 0.0% |
| - Addiction medicine (multidisciplinary) | 159 | 91 | 57.2% | 45 | 28.3% | 23 | 14.5% | 0 | 0.0% | 0 | 0.0% |
| - Addiction psychiatry | 92 | 53 | 57.6% | 26 | 28.3% | 13 | 14.1% | 0 | 0.0% | 0 | 0.0% |
| - Child and adolescent psychiatry | 966 | 573 | 59.3% | 224 | 23.2% | 169 | 17.5% | 0 | 0.0% | 0 | 0.0% |
| - Forensic psychiatry | 75 | 44 | 58.7% | 20 | 26.7% | 11 | 14.7% | 0 | 0.0% | 0 | 0.0% |
| - Geriatric psychiatry | 58 | 33 | 56.9% | 23 | 39.7% | 2 | 3.4% | 0 | 0.0% | 0 | 0.0% |
| - Consultation-liaison psychiatry | 92 | 55 | 59.8% | 24 | 26.1% | 13 | 14.1% | 0 | 0.0% | 0 | 0.0% |
| Radiation oncology | 758 | 660 | 87.1% | 66 | 8.7% | 32 | 4.2% | 0 | 0.0% | 0 | 0.0% |
| Radiology-diagnostic | 4,614 | 3,328 | 72.1% | 574 | 12.4% | 711 | 15.4% | 1 | 0.0% | 0 | 0.0% |
| - Abdominal radiology | 50 | 23 | 46.0% | 18 | 36.0% | 7 | 14.0% | 2 | 4.0% | 0 | 0.0% |
| - Neuroendovascular intervention | 5 | 0 | 0.0% | 5 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Musculoskeletal radiology | 38 | 27 | 71.1% | 8 | 21.1% | 2 | 5.3% | 1 | 2.6% | 0 | 0.0% |
| - Neuroradiology | 300 | 198 | 66.0% | 74 | 24.7% | 28 | 9.3% | 0 | 0.0% | 0 | 0.0% |
| - Nuclear radiology | 10 | 5 | 50.0% | 5 | 50.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric radiology | 54 | 27 | 50.0% | 24 | 44.4% | 3 | 5.6% | 0 | 0.0% | 0 | 0.0% |
| Interventional radiology - independent | 177 | 124 | 70.1% | 40 | 22.6% | 13 | 7.3% | 0 | 0.0% | 0 | 0.0% |
| Interventional radiology - integrated | 750 | 657 | 87.6% | 31 | 4.1% | 62 | 8.3% | 0 | 0.0% | 0 | 0.0% |
| Surgery | 9,554 | 6,782 | 71.0% | 1,448 | 15.2% | 1,318 | 13.8% | 6 | 0.1% | 0 | 0.0% |
| - Complex general surgical oncology | 127 | 104 | 81.9% | 20 | 15.7% | 2 | 1.6% | 1 | 0.8% | 0 | 0.0% |
| - Hand surgery | 8 | 4 | 50.0% | 1 | 12.5% | 2 | 25.0% | 1 | 12.5% | 0 | 0.0% |
| - Pediatric surgery | 88 | 84 | 95.5% | 3 | 3.4% | 1 | 1.1% | 0 | 0.0% | 0 | 0.0% |
| - Surgical critical care | 341 | 253 | 74.2% | 32 | 9.4% | 56 | 16.4% | 0 | 0.0% | 0 | 0.0% |
| - Vascular surgery | 270 | 175 | 64.8% | 47 | 17.4% | 47 | 17.4% | 1 | 0.4% | 0 | 0.0% |
| Vascular surgery - integrated | 381 | 326 | 85.6% | 36 | 9.4% | 18 | 4.7% | 1 | 0.3% | 0 | 0.0% |
| Thoracic surgery | 256 | 190 | 74.2% | 49 | 19.1% | 16 | 6.3% | 1 | 0.4% | 0 | 0.0% |
| - Congenital cardiac surgery | 8 | 8 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Thoracic surgery - integrated | 237 | 213 | 89.9% | 19 | 8.0% | 5 | 2.1% | 0 | 0.0% | 0 | 0.0% |
| Urology | 1,834 | 1,659 | 90.5% | 57 | 3.1% | 118 | 6.4% | 0 | 0.0% | 0 | 0.0% |
| - Female pelvic medicine and reconstructive surgery | 42 | 32 | 76.2% | 5 | 11.9% | 4 | 9.5% | 1 | 2.4% | 0 | 0.0% |
| - Pediatric urology | 32 | 29 | 90.6% | 0 | 0.0% | 2 | 6.3% | 1 | 3.1% | 0 | 0.0% |
| Transitional year | 1,884 | 1,173 | 62.3% | 170 | 9.0% | 541 | 28.7% | 0 | 0.0% | 0 | 0.0% |
| Internal medicine/Pediatrics | 1,539 | 1,289 | 83.8% | 101 | 6.6% | 149 | 9.7% | 0 | 0.0% | 0 | 0.0% |
| Health care administration, leadership, and management | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| | | | | ~ | | | | | | ~ | |

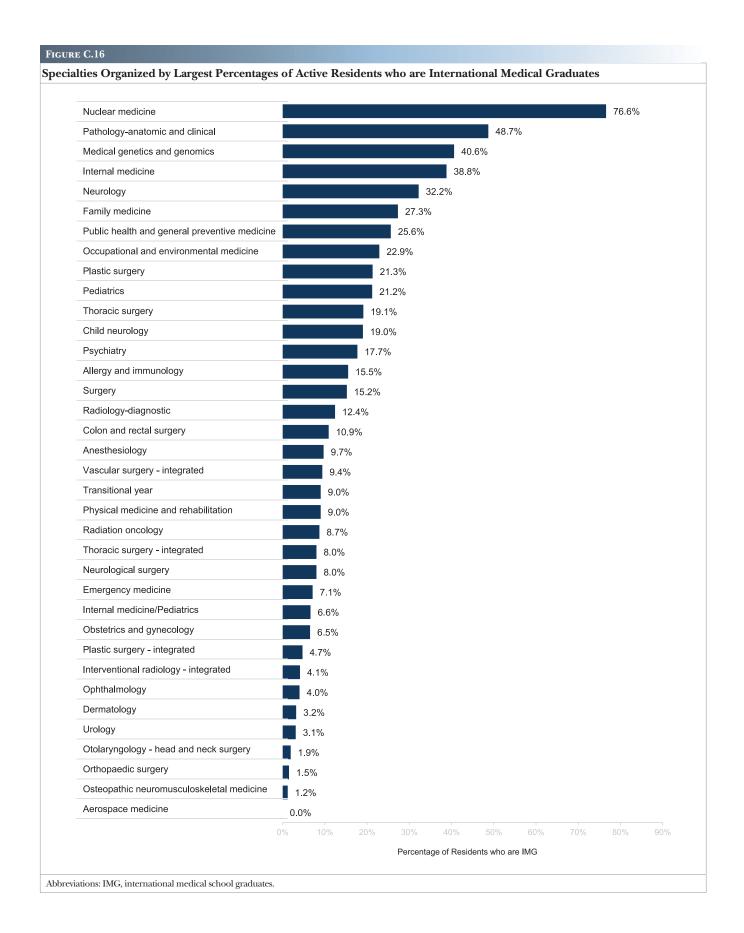


TABLE C.17

Number of Active Residents by Medical School Type and State

| State Name | | | Medical School Type | | | | | | | | |
|----------------------|-----------------------|--------------------|--------------------------------------|---------------------------------|-------------------------------|----------------------------|------------------------------|--|--|--|--|
| | State Abbreviation | Total Residents | US LCME-Accredited Medical School | International Medical School | Osteopathic Medical School | Canadian Medical School | US Medical School Unknown | | | | |
| OVERALL | - | 158,079 | 93,609 | 36,155 | 28,170 | 134 | 11 | | | | |
| Alabama | AL | 1,822 | 1,138 | 413 | 270 | 1 | 0 | | | | |
| Alaska | AK | 36 | 21 | 2 | 13 | 0 | 0 | | | | |
| Arizona | AZ | 2,193 | 1,257 | 368 | 567 | 1 | 0 | | | | |
| Arkansas | AR | 1,179 | 538 | 410 | 231 | 0 | 0 | | | | |
| California | CA | 14,705 | 10,883 | 1,900 | 1,899 | 23 | 0 | | | | |
| Colorado | CO | 1,773 | 1,363 | 86 | 322 | 2 | 0 | | | | |
| Connecticut | CT | 2,617 | 1,468 | 860 | 284 | 5 | 0 | | | | |
| Delaware | DE | 425 | 206 | 63 | 155 | 1 | 0 | | | | |
| District of Columbia | DC | 1,814 | 1,204 | 466 | 144 | 0 | 0 | | | | |
| Florida | FL | 8,525 | 3,824 | 2,750 | 1,948 | 2 | 1 | | | | |
| Georgia | GA | 3,345 | 2,027 | 809 | 505 | 2 | 2 | | | | |
| Hawaii | HI | 471 | 305 | 66 | 100 | 0 | 0 | | | | |
| Idaho | ID | 209 | 97 | 31 | 81 | 0 | 0 | | | | |
| Illinois | IL | 7,134 | 4,255 | 1,678 | 1,196 | 4 | 1 | | | | |
| Indiana | IN | 1,697 | 1,022 | 289 | 386 | 0 | 0 | | | | |
| Iowa | IA | 1,057 | 638 | 184 | 228 | 0 | 0 | | | | |
| Kansas | KS | 958 | 579 | 171 | 228 | 0 | 0 | | | | |
| Kentucky | KS | 1,607 | 926 | 320 | 358 | 2 | 1 | | | | |
| Louisiana | LA | 2,405 | 1,472 | 674 | 259 | 0 | 0 | | | | |
| Maine | ME | 2,405 | 218 | 60 | 108 | 0 | 0 | | | | |
| | | | | | 345 | - | 0 | | | | |
| Maryland | MD | 3,479 | 2,369 | 761 | | 4 | | | | | |
| Massachusetts | MA | 6,135 | 4,515 | 1,217 | 374 | 29 | 0 | | | | |
| Michigan | MI | 7,663 | 3,282 | 2,164 | 2,211 | 6 | 0 | | | | |
| Minnesota | MN | 2,462 | 1,749 | 462 | 244 | 7 | 0 | | | | |
| Mississippi | MS | 994 | 485 | 244 | 264 | 1 | 0 | | | | |
| Missouri | MO | 3,331 | 2,093 | 660 | 576 | 2 | 0 | | | | |
| Montana | MT | 83 | 38 | 12 | 33 | 0 | 0 | | | | |
| Nebraska | NE | 941 | 561 | 213 | 167 | 0 | 0 | | | | |
| Nevada | NV | 951 | 361 | 158 | 432 | 0 | 0 | | | | |
| New Hampshire | NH | 532 | 364 | 90 | 77 | 1 | 0 | | | | |
| New Jersey | NJ | 4,364 | 1,389 | 1,786 | 1,188 | 1 | 0 | | | | |
| New Mexico | NM | 770 | 448 | 159 | 163 | 0 | 0 | | | | |
| New York | NY | 19,517 | 10,010 | 7,155 | 2,338 | 11 | 3 | | | | |
| North Carolina | NC | 4,266 | 3,113 | 489 | 663 | 1 | 0 | | | | |
| North Dakota | ND | 187 | 87 | 82 | 18 | 0 | 0 | | | | |
| Ohio | OH | 7,812 | 4,235 | 1,550 | 2,023 | 4 | 0 | | | | |
| Oklahoma | OK | 1,298 | 529 | 157 | 612 | 0 | 0 | | | | |
| Oregon | OR | 1,176 | 822 | 114 | 240 | 0 | 0 | | | | |
| Pennsylvania | PA | 10,057 | 5,486 | 2,278 | 2,283 | 9 | 1 | | | | |
| Puerto Rico | PR | 965 | 603 | 360 | 1 | 0 | 1 | | | | |
| Rhode Island | RI | 942 | 672 | 171 | 97 | 2 | 0 | | | | |
| South Carolina | SC | 1,924 | 1,229 | 224 | 471 | 0 | 0 | | | | |
| South Dakota | SD | 167 | 79 | 46 | 42 | 0 | 0 | | | | |
| Tennessee | TN | 2,785 | 2,040 | 404 | 340 | 1 | 0 | | | | |
| Texas | TX | 10,889 | 6,910 | 2,133 | 1,841 | 4 | 1 | | | | |
| Utah | UT | 946 | 783 | 80 | 83 | 0 | 0 | | | | |
| Vermont | VT | 332 | 266 | 33 | 33 | 0 | 0 | | | | |
| Virginia | VA | 3,136 | 1,927 | 462 | 746 | 1 | 0 | | | | |
| Washington | WA | 2,359 | 1,789 | 179 | 388 | 3 | 0 | | | | |
| West Virginia | WV | 1,036 | 451 | 328 | 257 | 0 | 0 | | | | |
| Wisconsin | WI | 2,186 | 1,474 | 370 | 338 | 4 | 0 | | | | |
| Wyoming | WY | 43 | 9 | 14 | 20 | 0 | 0 | | | | |

TABLE C.18

Mean Age of Year 1 Residents by Specialty and Subspecialty and Medical School Type

| | | Medical School Type | | | | | | | |
|---|--|---|---------------------------------|-------------------------------|----------------------------|------------------------------|--|--|--|
| Specialty | OVERALL Age (Avg) | US LCME - Accredited Medical School | International Medical School | Osteopathic Medical School | Canadian Medical School | US Medical School Unknown | | | |
| OVERALL | 30.9 | 30.2 | 32.8 | 30.5 | 32.8 | 34.4 | | | |
| TOTAL PIPELINE | 29.9 | 29.2 | 31.7 | 29.8 | 31.2 | 34.8 | | | |
| Allergy and immunology | 32.3 | 31.9 | 32.9 | 33.2 | | | | | |
| Anesthesiology | 29.5 | 29.0 | 32.8 | 29.8 | | | | | |
| - Adult cardiothoracic anesthesiology | 33.4 | 32.9 | 34.4 | 34.2 | 33.0 | | | | |
| - Critical care medicine | 33.8 | 33.6 | 34.2 | 34.5 | | | | | |
| - Regional anesthesiology and acute pain medicine | 33.9 | 33.0 | 35.9 | 33.8 | | | | | |
| - Pediatric cardiac anesthesiology | 35.3 | 34.1 | 43.0 | 34.0 | | | | | |
| - Obstetric anesthesiology | 33.5 | 32.5 | 36.4 | 32.5 | 32.5 | | | | |
| - Pain medicine (multidisciplinary) | 34.0 | 33.5 | 36.2 | 33.7 | | | | | |
| - Pediatric anesthesiology | 33.7 | 33.4 | 34.7 | 33.8 | | | | | |
| Colon and rectal surgery | 34.4 | 34.5 | 35.1 | 33.0 | 30.7 | | | | |
| Dermatology | 30.4 | 30.2 | 34.6 | 30.8 | 50.7 | | | | |
| - Dermatopathology (multidisciplinary) | 34.9 | 33.7 | 38.0 | 34.6 | 32.0 | | | | |
| - Micrographic surgery and dermatologic oncology | 33.2 | 33.0 | 38.3 | 34.0 | 31.0 | | | | |
| | 33.2 | 34.0 | 37.0 | 32.0 | 51.0 | | | | |
| - Pediatric dermatology | 29.8 | 29.4 | | | 97.0 | 90.0 | | | |
| Emergency medicine | and the second | | 31.8 | 30.1 | 37.0 | 29.0 | | | |
| - Emergency medical services | 33.6 | 33.6 | 34.7 | 33.5 | | | | | |
| - Medical toxicology | 32.7 | 32.4 | 34.5 | 33.6 | | | | | |
| - Pediatric emergency medicine | 32.9 | 32.3 | 33.7 | 33.1 | | | | | |
| - Sports medicine | 33.3 | 33.4 | 36.7 | 31.0 | | | | | |
| - Undersea and hyperbaric medicine | 36.5 | 36.6 | 36.0 | | | | | | |
| Family medicine | 30.6 | 29.4 | 33.0 | 29.9 | 30.0 | 32.0 | | | |
| - Clinical informatics | 37.7 | 38.1 | 41.0 | 34.5 | | | | | |
| - Geriatric medicine | 35.7 | 35.7 | 36.4 | 33.4 | | | | | |
| - Hospice and palliative medicine (multidisciplinary) | 36.3 | 36.2 | 36.9 | 35.9 | 39.3 | | | | |
| - Sports medicine | 33.0 | 32.8 | 34.4 | 32.7 | | | | | |
| Internal medicine | 29.7 | 28.8 | 30.9 | 29.6 | 29.7 | 57.0 | | | |
| - Adult congenital heart disease | 34.9 | 35.1 | 33.0 | | | | | | |
| - Advanced heart failure and transplant cardiology | 35.4 | 34.7 | 35.8 | 37.8 | 33.0 | | | | |
| - Cardiovascular disease | 32.3 | 31.7 | 33.0 | 32.1 | | | | | |
| - Clinical cardiac electrophysiology | 35.2 | 35.2 | 35.5 | 35.2 | 33.0 | | | | |
| - Clinical informatics | 34.7 | 34.6 | 35.3 | 33.8 | | | | | |
| - Critical care medicine | 34.0 | 33.3 | 35.0 | 34.0 | | | | | |
| - Endocrinology, diabetes, and metabolism | 32.8 | 32.1 | 33.4 | 32.2 | | | | | |
| - Gastroenterology | 32.3 | 31.8 | 33.5 | 31.9 | | | | | |
| - Geriatric medicine | 34.7 | 33.7 | 35.5 | 33.4 | | | | | |
| - Hematology and medical oncology | 32.7 | 32.3 | 33.4 | 32.2 | | | | | |
| - Infectious disease | 33.0 | 32.2 | 34.0 | 32.2 | | | | | |
| - Interventional cardiology | 35.7 | 35.3 | 36.0 | 36.0 | 33.0 | | | | |
| - Nephrology | 34.1 | 32.1 | 35.1 | 33.6 | 55.0 | 31.5 | | | |
| 1 0/ | 32.4 | 31.5 | 33.0 | 55.0 | | 51.5 | | | |
| - Medical oncology | | | | 21 7 | | | | | |
| - Pulmonary disease | 35.2 | 36.0 | 35.5 | 31.7 | 94.0 | | | | |
| - Pulmonary disease and critical care medicine | 32.7 | 32.1 | 33.6 | 32.6 | 34.0 | | | | |
| - Rheumatology | 32.8 | 32.1 | 33.7 | 32.0 | | | | | |
| - Sleep medicine (multidisciplinary) | 34.7 | 34.5 | 35.3 | 33.6 | | | | | |
| - Transplant hepatology | 34.4 | 33.9 | 35.4 | 34.0 | | | | | |
| Medical genetics and genomics | 35.6 | 36.0 | 35.9 | 31.7 | | | | | |
| - Medical biochemical genetics | 34.0 | 33.8 | 34.7 | | | | | | |
| - Molecular genetic pathology (multidisciplinary) | 38.1 | 36.4 | 40.0 | 32.8 | | | | | |
| Neurological surgery | 29.5 | 29.3 | 33.0 | 29.1 | | | | | |
| - Neuroendovascular intervention | 38.3 | 38.3 | | | | | | | |

TABLE C.18 Continued

Mean Age of Year 1 Residents by Specialty and Subspecialty and Medical School Type

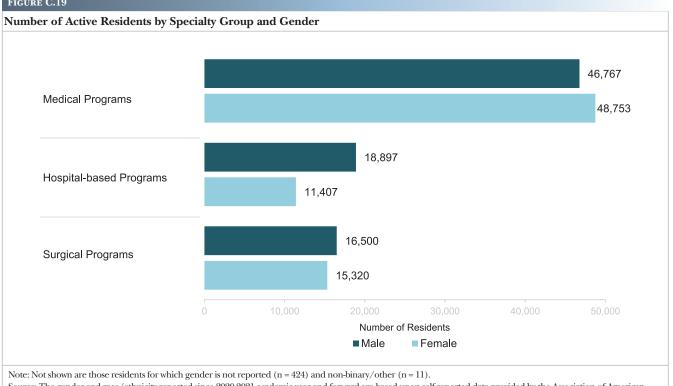
| | | Medical School Type | | | | | | | | | |
|---|----------------------|---|---------------------------------|-------------------------------|----------------------------|------------------------------|--|--|--|--|--|
| Specialty | OVERALL Age (Avg) | US LCME - Accredited Medical School | International Medical School | Osteopathic Medical School | Canadian Medical School | US Medical School Unknown | | | | | |
| Neurology | 30.1 | 29.3 | 31.6 | 29.8 | 29.0 | 27.0 | | | | | |
| - Clinical neurophysiology | 34.3 | 33.3 | 35.5 | 34.3 | 41 | | | | | | |
| - Epilepsy | 34.2 | 33.5 | 35.3 | 34.5 | 33 | | | | | | |
| - Neurocritical care (multidisciplinary) | 34.1 | 33.4 | 34.6 | 35.7 | 33.0 | | | | | | |
| - Neuroendovascular intervention | 32.0 | | 32.0 | | | | | | | | |
| - Neurodevelopmental disabilities | 30.5 | 30.3 | 31.0 | | | | | | | | |
| - Neuromuscular medicine | 33.5 | 33.4 | 34.0 | 33.6 | 31.7 | | | | | | |
| - Vascular neurology | 33.6 | 33.1 | 34.4 | 33.0 | | | | | | | |
| Child neurology | 31.2 | 31.2 | 31.7 | 30.8 | 27.0 | | | | | | |
| Nuclear medicine | 37.8 | 36.6 | 37.6 | 41.7 | | | | | | | |
| Obstetrics and gynecology | 28.6 | 28.4 | 30.2 | 28.8 | 30.0 | | | | | | |
| - Female pelvic medicine and reconstructive surgery | 32.6 | 32.5 | 32.0 | 33.3 | | | | | | | |
| - Gynecologic oncology | 33.0 | 32.9 | 33.6 | | | | | | | | |
| - Maternal-fetal medicine | 32.9 | 32.8 | 34.5 | 32.1 | | | | | | | |
| - Reproductive endocrinology and infertility | 33.1 | 32.6 | 36.3 | 34.0 | | | | | | | |
| - Complex family planning | 32.2 | 32.2 | | 32.0 | | | | | | | |
| Ophthalmology | 29.2 | 29.1 | 32.8 | 29.7 | 28.0 | | | | | | |
| - Ophthalmic plastic and reconstructive surgery | 32.5 | 32.5 | 010 | | 1010 | | | | | | |
| Orthopaedic surgery | 28.6 | 28.5 | 31.5 | 29.1 | | | | | | | |
| - Adult reconstructive orthopaedics | 33.8 | 33.8 | 36.0 | 33.0 | 31.5 | | | | | | |
| - Foot and ankle orthopaedics | 33.6 | 32.8 | 39.0 | 33.0 | 32.0 | | | | | | |
| - Hand surgery | 33.9 | 33.8 | 35.0 | 34.4 | 32.6 | | | | | | |
| | 34.9 | 34.6 | 36.5 | 34.4 | 32.0 | | | | | | |
| - Musculoskeletal oncology | | | | 94.0 | 01.0 | | | | | | |
| - Orthopaedic sports medicine | 34.1 | 34.0 | 38.2 | 34.0 | 31.3 | | | | | | |
| - Orthopaedic surgery of the spine | 33.5 | 33.3 | 39.0 | 33.5 | 21.0 | | | | | | |
| - Orthopaedic trauma | 34.1 | 34.5 | 32.5 | 33.0 | 31.0 | | | | | | |
| - Pediatric orthopaedics | 35.3 | 33.9 | 40.1 | 34.6 | 33.5 | | | | | | |
| Osteopathic neuromusculoskeletal medicine | 31.5 | | | 31.5 | | | | | | | |
| Otolaryngology - head and neck surgery | 28.6 | 28.5 | 31.0 | 29.1 | | | | | | | |
| - Neurotology | 33.6 | 33.4 | 36.0 | | 36.0 | | | | | | |
| - Pediatric otolaryngology | 33.9 | 33.1 | 36.1 | 34.0 | 32.5 | 38.0 | | | | | |
| Pathology-anatomic and clinical | 32.2 | 30.6 | 34.1 | 31.0 | | | | | | | |
| - Blood banking/transfusion medicine | 35.7 | 35.1 | 36.5 | | | | | | | | |
| - Clinical informatics | 38.1 | 39.5 | 36.9 | 41.0 | | | | | | | |
| - Chemical pathology | 35.0 | | | 35.0 | | | | | | | |
| - Cytopathology | 36.6 | 34.0 | 38.4 | 35.3 | 50.0 | | | | | | |
| - Forensic pathology | 34.6 | 34.0 | 33.9 | 37.2 | 33.0 | | | | | | |
| - Hematopathology | 36.5 | 34.6 | 38.1 | 34.9 | | | | | | | |
| - Medical microbiology | 35.3 | 34.9 | 38.5 | 35.0 | 33.0 | | | | | | |
| - Neuropathology | 36.1 | 35.0 | 38.7 | 33.0 | | | | | | | |
| - Pediatric pathology | 34.6 | 34.4 | 39.8 | 32.5 | 31.8 | | | | | | |
| - Selective pathology | 37.4 | 34.4 | 38.5 | 35.1 | 33.3 | | | | | | |
| Pediatrics | 29.1 | 28.5 | 31.0 | 28.9 | 35.5 | | | | | | |
| - Adolescent medicine | 31.7 | 31.5 | 34.5 | 31.5 | | | | | | | |
| - Child abuse pediatrics | 32.9 | 32.7 | 33.3 | 34.5 | 32.0 | | | | | | |
| - Clinical informatics | 34.4 | 35.0 | 33.5 | 31.0 | | | | | | | |
| - Developmental-behavioral pediatrics | 33.9 | 35.1 | 34.0 | 31.8 | | | | | | | |
| - Neonatal-perinatal medicine | 32.6 | 32.1 | 33.9 | 32.5 | | | | | | | |
| - Pediatric cardiology | 31.7 | 31.4 | 32.3 | 32.5 | | | | | | | |
| - Pediatric critical care medicine | 32.0 | 31.7 | 32.5 | 32.5 | | | | | | | |
| - Pediatric emergency medicine | 32.2 | 31.8 | 34.5 | 32.0 | 32.0 | | | | | | |
| - Pediatric endocrinology | 33.0 | 31.8 | 35.4 | 32.2 | | | | | | | |
| - Pediatric gastroenterology | 32.1 | 31.8 | 32.1 | 33.1 | | | | | | | |
| - Pediatric hematology/oncology | 32.3 | 31.8 | 33.3 | 32.2 | | | | | | | |
| - Pediatric infectious diseases | 33.6 | 32.6 | 34.6 | 33.0 | | | | | | | |

TABLE C.18 Continued

Mean Age of Year 1 Residents by Specialty and Subspecialty and Medical School Type

| | | | N | Medical School Typ | e | |
|---|----------------------|---|---------------------------------|-------------------------------|----------------------------|------------------------------|
| Specialty | OVERALL Age (Avg) | US LCME - Accredited Medical School | International Medical School | Osteopathic Medical School | Canadian Medical School | US Medical School Unknown |
| - Pediatric nephrology | 33.3 | 32.1 | 36.5 | 32.6 | | |
| - Pediatric pulmonology | 32.3 | 32.2 | 32.3 | 33.0 | | |
| - Pediatric rheumatology | 32.7 | 32.4 | 33.8 | 31.0 | | |
| - Sports medicine | 33.3 | 33.1 | 33.0 | 33.9 | | |
| - Pediatric transplant hepatology | 35.4 | 35.0 | 37.3 | 33.0 | | |
| - Pediatric hospital medicine | 31.4 | 31.4 | 31.3 | 31.5 | | |
| Physical medicine and rehabilitation | 30.2 | 29.6 | 33.7 | 30.2 | | |
| - Brain injury medicine | 33.1 | 32.1 | 33.5 | 35.5 | | |
| - Neuromuscular medicine | | | | | | |
| - Spinal cord injury medicine | 33.1 | 32.3 | 41.0 | 33.6 | | |
| - Pediatric rehabilitation medicine | 33.2 | 32.3 | 37.3 | 34.5 | | |
| - Sports medicine | 34.4 | 34.1 | 32.2 | 38.2 | | |
| Plastic surgery | 34.0 | 33.6 | 35.1 | 33.3 | | |
| Plastic Surgery - integrated | 28.9 | 28.6 | 33.3 | 32.0 | | |
| - Craniofacial surgery | 35.2 | 34.3 | 36.0 | 37.0 | | |
| - Hand surgery | 33.8 | 34.1 | 32.0 | 33.0 | 32.0 | |
| Public health and general preventive medicine | 35.9 | 35.0 | 37.4 | 38.3 | 34.0 | |
| Aerospace medicine | 36.9 | 37.6 | 37.4 | 35.0 | 34.0 | |
| | | | 97.0 | | 34.0 | |
| Occupational and environmental medicine | 38.1 | 39.4 | 37.0 | 34.3 | | |
| - Undersea and hyperbaric medicine | 35.5 | 35.5 | 99.1 | 20.0 | 80.0 | |
| Psychiatry | 30.4 | 29.7 | 33.1 | 29.9 | 38.0 | |
| - Addiction medicine (multidisciplinary) | 37.0 | 36.5 | 38.8 | 35.8 | | |
| - Addiction psychiatry | 36.0 | 35.2 | 37.9 | 35.8 | | |
| - Child and adolescent psychiatry | 33.6 | 32.7 | 35.9 | 33.3 | | |
| - Forensic psychiatry | 35.1 | 35.1 | 35.7 | 33.9 | | |
| - Geriatric psychiatry | 35.1 | 33.2 | 38.1 | 31.5 | | |
| - Consultation-liaison psychiatry | 33.3 | 32.8 | 34.3 | 34.0 | | |
| Radiation oncology | 32.1 | 30.8 | 36.2 | 33.8 | | |
| Radiology-diagnostic | 30.4 | 30.1 | 32.2 | 30.6 | | |
| - Abdominal radiology | 36.0 | 35.3 | 38.2 | 33.9 | 31.0 | |
| - Neuroendovascular intervention | 36.6 | | 36.6 | | | |
| - Musculoskeletal radiology | 34.5 | 34.2 | 36.0 | 34.0 | 33.0 | |
| - Neuroradiology | 35.2 | 34.2 | 37.7 | 35.2 | | |
| - Nuclear radiology | 36.9 | 32.8 | 41.0 | | | |
| - Pediatric radiology | 36.0 | 34.5 | 37.2 | 39.7 | | |
| Interventional radiology - independent | 34.3 | 33.7 | 35.8 | 35.9 | | |
| Interventional radiology - integrated | 30.2 | 30.0 | 30.5 | 31.9 | | |
| Surgery | 29.4 | 29.0 | 31.3 | 29.8 | 28.5 | |
| - Complex general surgical oncology | 35.5 | 35.7 | 34.5 | 38.0 | 36.0 | |
| - Hand surgery | 37.8 | 35.8 | 42.0 | 38.5 | 40.0 | |
| - Pediatric surgery | 36.7 | 36.6 | 41.0 | | | |
| - Surgical critical care | 35.3 | 35.4 | 35.0 | 35.4 | | |
| - Vascular surgery | 34.2 | 34.2 | 35.1 | 33.8 | | |
| Vascular surgery - integrated | 29.2 | 28.6 | 34.5 | 29.3 | | |
| Thoracic surgery | 34.8 | 34.6 | 35.7 | 34.8 | | |
| - Congenital cardiac surgery | 37.6 | 37.6 | | 01.0 | | |
| Thoracic surgery - integrated | 29.2 | 29.0 | 31.2 | 27.0 | | |
| Urology | 29.2 | 29.0 | 31.6 | 29.6 | | |
| - Female pelvic medicine and reconstructive surgery | 33.3 | 32.8 | 38.0 | 34.0 | 35.0 | |
| - Pediatric urology | 34.0 | 33.8 | | 35.5 | | |
| Transitional year | 29.3 | 28.8 | 32.4 | 29.4 | | |
| Internal medicine/Pediatrics | 29.5 | 28.6 | | | | |
| internal medicine/ rediatics | 20.0 | 20.0 | 31.3 | 29.4 | | |

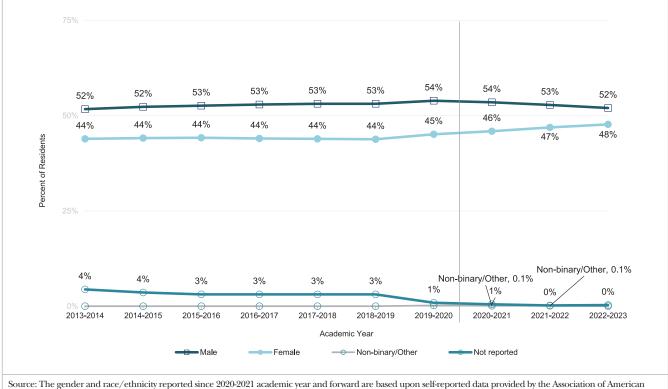




Source: The gender and race/ethnicity reported since 2020-2021 academic year and forward are based upon self-reported data provided by the Association of American Medical Colleges ("AAMC").

FIGURE C.20

Percent of Active Residents by Gender and Academic Year, 2013-2014 to 2022-2023



Medical Colleges ("AAMC").

Number of Active Residents by Specialty and Subspecialty and Gender

| | | | | | | Ger | nder | | | |
|---|----------|-----------|--------|-------|--------|--------|----------|-----------|--------|---------|
| | Total | Total | Fen | nale | M | ale | Non-bina | ary/Other | Not Re | eported |
| Specialty | Programs | Residents | # | % | # | % | # | % | # | % |
| OVERALL | 13,066 | 158,079 | 75,480 | 47.7% | 82,164 | 52.0% | 11 | 0.0% | 424 | 0.3% |
| TOTAL PIPELINE | 5,382 | 127,604 | 61,370 | 48.1% | 65,882 | 51.6% | 9 | 0.0% | 343 | 0.3% |
| Allergy and immunology | 87 | 323 | 207 | 64.1% | 116 | 35.9% | 0 | 0.0% | 0 | 0.0% |
| Anesthesiology | 165 | 7,241 | 2,532 | 35.0% | 4,692 | 64.8% | 0 | 0.0% | 17 | 0.2% |
| - Adult cardiothoracic anesthesiology | 75 | 254 | 82 | 32.3% | 171 | 67.3% | 1 | 0.4% | 0 | 0.0% |
| - Critical care medicine | 65 | 210 | 71 | 33.8% | 138 | 65.7% | 0 | 0.0% | 1 | 0.5% |
| - Regional anesthesiology and acute pain medicine | 42 | 92 | 34 | 37.0% | 58 | 63.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric cardiac anesthesiology | 15 | 15 | 7 | 46.7% | 8 | 53.3% | 0 | 0.0% | 0 | 0.0% |
| - Obstetric anesthesiology | 41 | 48 | 32 | 66.7% | 16 | 33.3% | 0 | 0.0% | 0 | 0.0% |
| - Pain medicine (multidisciplinary) | 115 | 411 | 96 | 23.4% | 315 | 76.6% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric anesthesiology | 62 | 183 | 108 | 59.0% | 74 | 40.4% | 0 | 0.0% | 1 | 0.5% |
| Colon and rectal surgery | 68 | 110 | 51 | 46.4% | 59 | 53.6% | 0 | 0.0% | 0 | 0.0% |
| Dermatology | 144 | 1,633 | 1,013 | 62.0% | 620 | 38.0% | 0 | 0.0% | 0 | 0.0% |
| - Dermatopathology (multidisciplinary) | 57 | 77 | 41 | 53.2% | 36 | 46.8% | 0 | 0.0% | 0 | 0.0% |
| - Micrographic surgery and dermatologic oncology | 81 | 91 | 41 | 45.1% | 49 | 53.8% | 0 | 0.0% | 1 | 1.1% |
| - Pediatric dermatology | 29 | 19 | 15 | 78.9% | 3 | 15.8% | 0 | 0.0% | 1 | 5.3% |
| Emergency medicine | 287 | 9,346 | 3,906 | 41.8% | 5,431 | 58.1% | 0 | 0.0% | 9 | 0.1% |
| - Emergency medical services | 83 | 95 | 34 | 35.8% | 61 | 64.2% | 0 | 0.0% | 0 | 0.0% |
| - Medical toxicology | 30 | 93 | 28 | 30.1% | 64 | 68.8% | 0 | 0.0% | 1 | 1.1% |
| - Pediatric emergency medicine | 29 | 143 | 92 | 64.3% | 51 | 35.7% | 0 | 0.0% | 0 | 0.0% |
| - Sports medicine | 9 | 18 | 9 | 50.0% | 9 | 50.0% | 0 | 0.0% | 0 | 0.0% |
| - Undersea and hyperbaric medicine | 8 | 11 | 2 | 18.2% | 9 | 81.8% | 0 | 0.0% | 0 | 0.0% |
| Family medicine | 756 | 15,010 | 8,216 | 54.7% | 6,732 | 44.9% | 2 | 0.0% | 60 | 0.4% |
| - Clinical informatics | 8 | 23 | 10 | 43.5% | 13 | 56.5% | 0 | 0.0% | 0 | 0.0% |
| - Geriatric medicine | 46 | 43 | 33 | 76.7% | 10 | 23.3% | 0 | 0.0% | 0 | 0.0% |
| - Hospice and palliative medicine (multidisciplinary) | 191 | 481 | 306 | 63.6% | 171 | 35.6% | 0 | 0.0% | 4 | 0.8% |
| - Sports medicine | 171 | 294 | 83 | 28.2% | 211 | 71.8% | 0 | 0.0% | 0 | 0.0% |
| Internal medicine | 627 | 31,794 | 14,175 | 44.6% | 17,482 | 55.0% | 0 | 0.0% | 137 | 0.4% |
| - Adult congenital heart disease | 27 | 30 | 13 | 43.3% | 17 | 56.7% | 0 | 0.0% | 0 | 0.0% |
| - Advanced heart failure and transplant cardiology | 84 | 97 | 37 | 38.1% | 59 | 60.8% | 0 | 0.0% | 1 | 1.0% |
| - Cardiovascular disease | 273 | 3,456 | 943 | 27.3% | 2,510 | 72.6% | 0 | 0.0% | 3 | 0.1% |
| - Clinical cardiac electrophysiology | 116 | 329 | 55 | 16.7% | 273 | 83.0% | 0 | 0.0% | 1 | 0.3% |
| - Clinical informatics | 32 | 65 | 18 | 27.7% | 47 | 72.3% | 0 | 0.0% | 0 | 0.0% |
| - Critical care medicine | 66 | 358 | 136 | 38.0% | 222 | 62.0% | 0 | 0.0% | 0 | 0.0% |
| - Endocrinology, diabetes, and metabolism | 159 | 721 | 504 | 69.9% | 217 | 30.1% | 0 | 0.0% | 0 | 0.0% |
| - Gastroenterology | 229 | 1,975 | 792 | 40.1% | 1,181 | 59.8% | 0 | 0.0% | 2 | 0.1% |
| - Geriatric medicine | 119 | 270 | 172 | 63.7% | 97 | 35.9% | 0 | 0.0% | 1 | 0.4% |
| - Hematology and medical oncology | 184 | 2,098 | 940 | 44.8% | 1,157 | 55.1% | 0 | 0.0% | 1 | 0.0% |
| - Infectious disease | 167 | 817 | 413 | 50.6% | 401 | 49.1% | 0 | 0.0% | 3 | 0.4% |
| - Interventional cardiology | 180 | 373 | 58 | 15.5% | 313 | 83.9% | 0 | 0.0% | 2 | 0.5% |
| - Nephrology | 152 | 872 | 336 | 38.5% | 532 | 61.0% | 0 | 0.0% | 4 | 0.5% |
| - Medical oncology | 3 | 10 | 7 | 70.0% | 3 | 30.0% | 0 | 0.0% | 0 | 0.0% |
| - Pulmonary disease | 22 | 65 | 21 | 32.3% | 44 | 67.7% | 0 | 0.0% | 0 | 0.0% |
| - Pulmonary disease and critical care medicine | 202 | 2,268 | 864 | 38.1% | 1,399 | 61.7% | 0 | 0.0% | 5 | 0.2% |
| - Rheumatology | 129 | 551 | 329 | 59.7% | 222 | 40.3% | 0 | 0.0% | 0 | 0.0% |
| - Sleep medicine (multidisciplinary) | 96 | 214 | 94 | 43.9% | 119 | 55.6% | 0 | 0.0% | 1 | 0.5% |
| - Transplant hepatology | 66 | 48 | 29 | 60.4% | 19 | 39.6% | 0 | 0.0% | 0 | 0.0% |
| Medical genetics and genomics | 47 | 64 | 43 | 67.2% | 21 | 32.8% | 0 | 0.0% | 0 | 0.0% |
| - Medical biochemical genetics | 22 | 15 | 10 | 66.7% | 5 | 33.3% | 0 | 0.0% | 0 | 0.0% |
| - Molecular genetic pathology (multidisciplinary) | 42 | 59 | 29 | 49.2% | 29 | 49.2% | 0 | 0.0% | 1 | 1.7% |
| Neurological surgery | 117 | 1,593 | 378 | 23.7% | 1,215 | 76.3% | 0 | 0.0% | 0 | 0.0% |
| - Neuroendovascular intervention | 3 | 3 | 0 | 0.0% | 3 | 100.0% | 0 | 0.0% | 0 | 0.0% |

TABLE C.21 Continued

Number of Active Residents by Specialty and Subspecialty and Gender

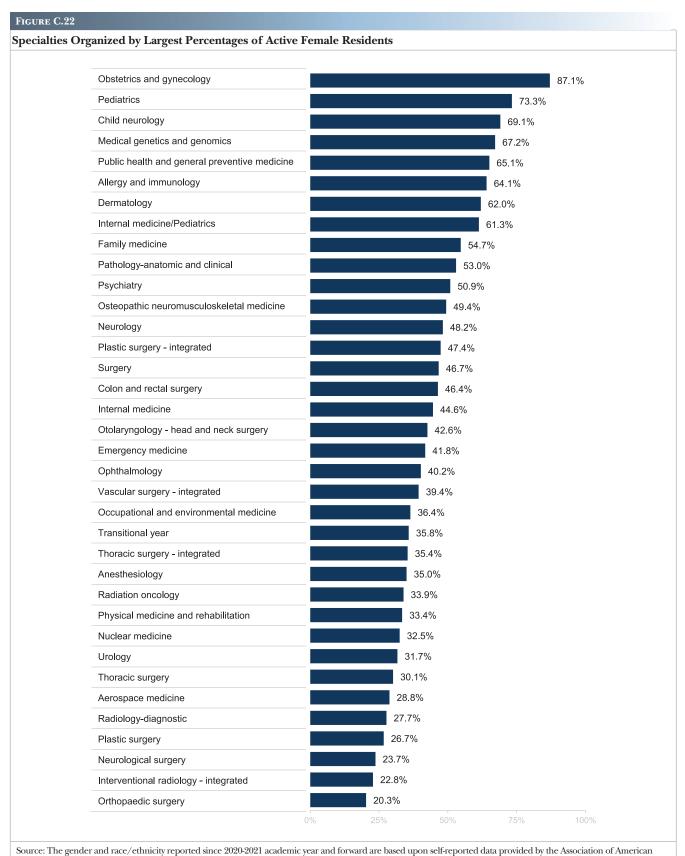
| | | | | | | Gei | nder | | | |
|---|----------|-----------|-------|--------|-------|--------|---------|-----------|-------------|------|
| | Total | Total | Fen | nale | М | ale | Non-bin | ary/Other | Not Reporte | |
| Specialty | Programs | Residents | # | % | # | % | # | % | # | % |
| Neurology | 180 | 3,530 | 1,703 | 48.2% | 1,821 | 51.6% | 0 | 0.0% | 6 | 0.2% |
| Clinical neurophysiology | 95 | 153 | 67 | 43.8% | 84 | 54.9% | 0 | 0.0% | 2 | 1.39 |
| Epilepsy | 95 | 158 | 80 | 50.6% | 78 | 49.4% | 0 | 0.0% | 0 | 0.0% |
| Neurocritical care (multidisciplinary) | 35 | 120 | 45 | 37.5% | 73 | 60.8% | 0 | 0.0% | 2 | 1.7% |
| Neuroendovascular intervention | 2 | 1 | 0 | 0.0% | 1 | 100.0% | 0 | 0.0% | 0 | 0.0% |
| - Neurodevelopmental disabilities | 8 | 31 | 20 | 64.5% | 11 | 35.5% | 0 | 0.0% | 0 | 0.0% |
| Neuromuscular medicine | 55 | 77 | 41 | 53.2% | 36 | 46.8% | 0 | 0.0% | 0 | 0.09 |
| Vascular neurology | 112 | 189 | 80 | 42.3% | 109 | 57.7% | 0 | 0.0% | 0 | 0.0% |
| Child neurology | 80 | 479 | 331 | 69.1% | 148 | 30.9% | 0 | 0.0% | 0 | 0.0% |
| Nuclear medicine | 36 | 77 | 25 | 32.5% | 50 | 64.9% | 0 | 0.0% | 2 | 2.6% |
| Obstetrics and gynecology | 302 | 5,962 | 5,192 | 87.1% | 760 | 12.7% | 2 | 0.0% | 8 | 0.1% |
| Female pelvic medicine and reconstructive surgery | 57 | 155 | 120 | 77.4% | 33 | 21.3% | 0 | 0.0% | 2 | 1.39 |
| Gynecologic oncology | 71 | 240 | 187 | 77.9% | 52 | 21.7% | 0 | 0.0% | 1 | 0.4% |
| Maternal-fetal medicine | 104 | 416 | 323 | 77.6% | 93 | 22.4% | 0 | 0.0% | 0 | 0.0% |
| Reproductive endocrinology and infertility | 49 | 173 | 141 | 81.5% | 31 | 17.9% | 1 | 0.6% | 0 | 0.0% |
| Complex family planning | 32 | 55 | 54 | 98.2% | 1 | 1.8% | 0 | 0.0% | 0 | 0.0% |
| Ophthalmology | 125 | 1,738 | 698 | 40.2% | 1,036 | 59.6% | 0 | 0.0% | 4 | 0.2% |
| Ophthalmic plastic and reconstructive surgery | 4 | 3 | 2 | 66.7% | 1 | 33.3% | 0 | 0.0% | 0 | 0.0% |
| Orthopaedic surgery | 208 | 4,481 | 910 | 20.3% | 3,570 | 79.7% | 0 | 0.0% | 1 | 0.0% |
| Adult reconstructive orthopaedics | 25 | 52 | 8 | 15.4% | 44 | 84.6% | 0 | 0.0% | 0 | 0.0% |
| Foot and ankle orthopaedics | 8 | 16 | 3 | 18.8% | 13 | 81.3% | 0 | 0.0% | 0 | 0.0% |
| Hand surgery | 74 | 159 | 56 | 35.2% | 103 | 64.8% | 0 | 0.0% | 0 | 0.0% |
| Musculoskeletal oncology | 12 | 14 | 4 | 28.6% | 9 | 64.3% | 0 | 0.0% | 1 | 7.19 |
| Orthopaedic sports medicine | 93 | 223 | 27 | 12.1% | 195 | 87.4% | 0 | 0.0% | 1 | 0.4% |
| Orthopaedic surgery of the spine | 15 | 24 | 2 | 8.3% | 22 | 91.7% | 0 | 0.0% | 0 | 0.0% |
| Orthopaedic trauma | 12 | 20 | 5 | 25.0% | 15 | 75.0% | 0 | 0.0% | 0 | 0.0% |
| Pediatric orthopaedics | 25 | 39 | 15 | 38.5% | 23 | 59.0% | 0 | 0.0% | 1 | 2.6% |
| Osteopathic neuromusculoskeletal medicine | 26 | 83 | 41 | 49.4% | 40 | 48.2% | 0 | 0.0% | 2 | 2.4% |
| Otolaryngology - head and neck surgery | 131 | 1,795 | 764 | 42.6% | 1,030 | 57.4% | 1 | 0.1% | 0 | 0.0% |
| - Neurotology | 29 | 37 | 12 | 32.4% | 25 | 67.6% | 0 | 0.0% | 0 | 0.0% |
| Pediatric otolaryngology | 34 | 40 | 16 | 40.0% | 22 | 55.0% | 0 | 0.0% | 2 | 5.0% |
| Pathology-anatomic and clinical | 146 | 2,342 | 1,242 | 53.0% | 1,085 | 46.3% | 0 | 0.0% | 15 | 0.6% |
| Blood banking/transfusion medicine | 54 | 44 | 22 | 50.0% | 22 | 50.0% | 0 | 0.0% | 0 | 0.0% |
| - Clinical informatics | 10 | 23 | 5 | 21.7% | 18 | 78.3% | 0 | 0.0% | 0 | 0.0% |
| Chemical pathology | 4 | 1 | 1 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Cytopathology | 93 | 116 | 66 | 56.9% | 49 | 42.2% | 0 | 0.0% | 1 | 0.9% |
| Forensic pathology | 49 | 60 | 24 | 40.0% | 36 | 60.0% | 0 | 0.0% | 0 | 0.0% |
| Hematopathology | 87 | 139 | 64 | 46.0% | 75 | 54.0% | 0 | 0.0% | 0 | 0.0% |
| Medical microbiology | 16 | 14 | 4 | 28.6% | 10 | 71.4% | 0 | 0.0% | 0 | 0.0% |
| Neuropathology | 40 | 56 | 32 | 57.1% | 24 | 42.9% | 0 | 0.0% | 0 | 0.0% |
| Pediatric pathology | 27 | 21 | 11 | 52.4% | 10 | 47.6% | 0 | 0.0% | 0 | 0.0% |
| Selective pathology | 124 | 176 | 92 | 52.3% | 83 | 47.2% | 0 | 0.0% | 1 | 0.6% |
| Pediatrics | 213 | 9,539 | 6,996 | 73.3% | 2,510 | 26.3% | 0 | 0.0% | 33 | 0.39 |
| Adolescent medicine | 34 | 91 | 74 | 81.3% | 17 | 18.7% | 0 | 0.0% | 0 | 0.09 |
| Child abuse pediatrics | 32 | 58 | 43 | 74.1% | 14 | 24.1% | 0 | 0.0% | 1 | 1.79 |
| Clinical informatics | 9 | 28 | 10 | 35.7% | 18 | 64.3% | 0 | 0.0% | 0 | 0.0% |
| Developmental-behavioral pediatrics | 44 | 103 | 92 | 89.3% | 11 | 10.7% | 0 | 0.0% | 0 | 0.09 |
| Neonatal-perinatal medicine | 110 | 830 | 600 | 72.3% | 228 | 27.5% | 0 | 0.0% | 2 | 0.29 |
| Pediatric cardiology | 64 | 480 | 256 | 53.3% | 224 | 46.7% | 0 | 0.0% | 0 | 0.09 |
| Pediatric critical care medicine | 76 | 618 | 406 | 65.7% | 212 | 34.3% | 0 | 0.0% | 0 | 0.09 |
| Pediatric emergency medicine | 58 | 454 | 310 | 68.3% | 144 | 31.7% | 0 | 0.0% | 0 | 0.09 |
| Pediatric endocrinology | 73 | 249 | 194 | 77.9% | 51 | 20.5% | 0 | 0.0% | 4 | 1.69 |
| Pediatric gastroenterology | 67 | 340 | 235 | 69.1% | 105 | 30.9% | 0 | 0.0% | 0 | 0.09 |
| Pediatric hematology/oncology | 78 | 463 | 316 | 68.3% | 147 | 31.7% | 0 | 0.0% | 0 | 0.09 |
| - Pediatric infectious diseases | 64 | 193 | 131 | 67.9% | 61 | 31.6% | 0 | 0.0% | 1 | 0.59 |

TABLE C.21 Continued

Number of Active Residents by Specialty and Subspecialty and Gender

| | | - | | Gender | | | | | | | | | |
|--|----------|-----------|-------|----------------|-------|----------------|---------|-----------|--------------|-------|--|--|--|
| | Total | Total | Fer | nale | M | ale | Non-bin | ary/Other | Not Reported | | | | |
| Specialty | Programs | Residents | # | % | # | % | # | % | # | % | | | |
| - Pediatric nephrology | 48 | 144 | 100 | 69.4% | 43 | 29.9% | 0 | 0.0% | 1 | 0.7% | | | |
| - Pediatric pulmonology | 57 | 194 | 125 | 64.4% | 65 | 33.5% | 0 | 0.0% | 4 | 2.1% | | | |
| - Pediatric rheumatology | 37 | 109 | 85 | 78.0% | 24 | 22.0% | 0 | 0.0% | 0 | 0.0% | | | |
| - Sports medicine | 17 | 27 | 8 | 29.6% | 19 | 70.4% | 0 | 0.0% | 0 | 0.0% | | | |
| - Pediatric transplant hepatology | 17 | 12 | 8 | 66.7% | 4 | 33.3% | 0 | 0.0% | 0 | 0.0% | | | |
| - Pediatric hospital medicine | 68 | 191 | 141 | 73.8% | 49 | 25.7% | 0 | 0.0% | 1 | 0.5% | | | |
| Physical medicine and rehabilitation | 101 | 1,640 | 548 | 33.4% | 1,091 | 66.5% | 0 | 0.0% | 1 | 0.1% | | | |
| - Brain injury medicine | 27 | 22 | 10 | 45.5% | 12 | 54.5% | 0 | 0.0% | 0 | 0.0% | | | |
| - Neuromuscular medicine | 1 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | | |
| - Spinal cord injury medicine | 26 | 24 | 13 | 54.2% | 11 | 45.8% | 0 | 0.0% | 0 | 0.0% | | | |
| - Pediatric rehabilitation medicine | 22 | 42 | 28 | 66.7% | 14 | 33.3% | 0 | 0.0% | 0 | 0.0% | | | |
| - Sports medicine | 22 | 41 | 20 | 48.8% | 21 | 51.2% | 0 | 0.0% | 0 | 0.0% | | | |
| Plastic surgery | 49 | 202 | 54 | 26.7% | 148 | 73.3% | 0 | 0.0% | 0 | 0.0% | | | |
| Plastic Surgery - integrated | 89 | 1,107 | 525 | 47.4% | 580 | 52.4% | 0 | 0.0% | 2 | 0.2% | | | |
| - Craniofacial surgery | 9 | 5 | 2 | 40.0% | 3 | 60.0% | 0 | 0.0% | 0 | 0.0% | | | |
| - Hand surgery | 19 | 27 | 8 | 29.6% | 19 | 70.4% | 0 | 0.0% | 0 | 0.0% | | | |
| Public health and general preventive medicine | 43 | 195 | 127 | 65.1% | 68 | 34.9% | 0 | 0.0% | 0 | 0.0% | | | |
| Aerospace medicine | 5 | 52 | 15 | 28.8% | 37 | 71.2% | 0 | 0.0% | 0 | 0.0% | | | |
| Occupational and environmental medicine | 23 | 118 | 43 | 36.4% | 75 | 63.6% | 0 | 0.0% | 0 | 0.0% | | | |
| - Undersea and hyperbaric medicine | 1 | 2 | 13 | 50.0% | 13 | 50.0% | 0 | 0.0% | 0 | 0.0% | | | |
| Psychiatry | 304 | 7,739 | 3,942 | 50.9% | 3,774 | 48.8% | 2 | 0.0% | 21 | 0.3% | | | |
| - Addiction medicine (multidisciplinary) | 96 | 159 | 91 | 57.2% | 68 | 42.8% | 0 | 0.0% | 0 | 0.0% | | | |
| - Addiction neutrine (indudisciplinary) | 55 | 92 | 33 | 35.9% | 59 | 64.1% | 0 | 0.0% | 0 | 0.0% | | | |
| - Child and adolescent psychiatry | 153 | 966 | 559 | 57.9% | 407 | 42.1% | 0 | 0.0% | 0 | 0.0% | | | |
| - Forensic psychiatry | 49 | 75 | 37 | 49.3% | 37 | 49.3% | 0 | 0.0% | 1 | 1.3% | | | |
| - Geriatric psychiatry | 63 | 58 | 36 | 62.1% | 22 | 37.9% | 0 | 0.0% | 0 | 0.0% | | | |
| - Consultation-liaison psychiatry | 67 | 92 | 54 | 58.7% | 38 | 41.3% | 0 | 0.0% | 0 | 0.0% | | | |
| Radiation oncology | 90 | 758 | 257 | 33.9% | 500 | 66.0% | 0 | 0.0% | 1 | 0.0% | | | |
| Radiology-diagnostic | 199 | 4,614 | 1,280 | 27.7% | 3,331 | 72.2% | 0 | 0.0% | 3 | 0.1% | | | |
| - Abdominal radiology | 139 | 4,014 | 1,280 | 28.0% | 3,331 | 68.0% | 0 | 0.0% | 2 | 4.0% | | | |
| - Neuroendovascular intervention | 3 | 5 | 0 | 0.0% | 5 | 100.0% | 0 | 0.0% | 0 | 0.0% | | | |
| | 21 | 38 | 9 | 23.7% | 28 | 73.7% | 0 | 0.0% | 1 | 2.6% | | | |
| - Musculoskeletal radiology - Neuroradiology | 91 | 300 | 66 | 23.7% | 28 | 75.7% | 0 | 0.0% | 7 | 2.0% | | | |
| | 19 | 10 | 2 | 22.0% | 8 | | 0 | 0.0% | 0 | - | | | |
| - Nuclear radiology - Pediatric radiology | 46 | 54 | 21 | 38.9% | 31 | 80.0% 57.4% | 0 | 0.0% | 2 | 0.0% | | | |
| Interventional radiology - independent | 94 | 177 | 21 | 13.6% | 153 | 86.4% | 0 | 0.0% | 0 | 0.0% | | | |
| | 94 | 750 | 171 | | 579 | 77.2% | 0 | 0.0% | 0 | | | | |
| Interventional radiology - integrated | 363 | 9,554 | 4,460 | 22.8% 46.7% | 5,077 | 53.1% | 2 | 0.0% | 15 | 0.0% | | | |
| Surgery | | | | | | | | | | | | | |
| - Complex general surgical oncology | 34 | 127 | 59 | 46.5% | 68 | 53.5% | 0 | 0.0% | 0 | 0.0% | | | |
| - Hand surgery | 2 | 8 | 2 | 25.0% | 5 | 62.5% | 0 | 0.0% | 1 | 12.5% | | | |
| - Pediatric surgery | 51 | 88 | 42 | 47.7% | 46 | 52.3% | 0 | 0.0% | 0 | 0.0% | | | |
| - Surgical critical care | 162 | 341 | 155 | 45.5% | 185 | 54.3% | 0 | 0.0% | 1 | 0.3% | | | |
| - Vascular surgery | 119 | 270 | 101 | 37.4% | 169 | 62.6% | 0 | 0.0% | 0 | 0.0% | | | |
| Vascular surgery - integrated | 76 | 381 | 150 | 39.4% | 231 | 60.6% | 0 | 0.0% | 0 | 0.0% | | | |
| Thoracic surgery | 75 | 256 | 77 | 30.1% | 179 | 69.9% | 0 | 0.0% | 0 | 0.0% | | | |
| - Congenital cardiac surgery | 17 | 8 | 1 | 12.5% | 7 | 87.5% | 0 | 0.0% | 0 | 0.0% | | | |
| Thoracic surgery - integrated | 34 | 237 | 84 | 35.4% | 153 | 64.6% | 0 | 0.0% | 0 | 0.0% | | | |
| Urology | 150 | 1,834 | 582 | 31.7% | 1,251 | 68.2% | 0 | 0.0% | 1 | 0.1% | | | |
| - Female pelvic medicine and reconstructive surgery | 17 | 42 | 33 | 78.6% | 9 | 21.4% | 0 | 0.0% | 0 | 0.0% | | | |
| - Pediatric urology | 26 | 32 | 17 | 53.1% | 15 | 46.9% | 0 | 0.0% | 0 | 0.0% | | | |
| Transitional year | 188 | 1,884 | 674 | 35.8% | 1,206 | 64.0% | 0 | 0.0% | 4 | 0.2% | | | |
| Internal medicine/Pediatrics | 77 | 1,539 | 943 | 61.3% | 591 | 38.4% | 0 | 0.0% | 5 | 0.3% | | | |
| Health care administration, leadership, and management | 2 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | | | |

Source: The gender and race/ethnicity reported since 2020-2021 academic year and forward are based upon self-reported data provided by the Association of American Medical Colleges ("AAMC").



Medical Colleges ("AAMC").

Number of Active Residents by Specialty and Subspecialty and Race/Ethnicity

| | | | | F | Race/Ethnici | ty | | | |
|---|-----------------|--------|--------------------------------------|---------------------|----------------------------------|----------------------------------|-------------------|-------|-------------|
| Security | TA7L :4- | A | Hispanic, Latino or of Spanish | Black or African | American Indian or Alaskan | Native Hawaiian or Pacific | Multiple Race/ | Other | Liebergerer |
| Specialty | White | Asian | origin | American | Native | Islander | Ethnicity | Other | Unknown |
| OVERALL | 75,393 | 42,493 | 15,056 | 9,966 | 172 | 66 | 6,757 | 5,136 | 3,040 |
| TOTAL PIPELINE | 61,368 | 33,130 | 12,401 | 8,334 | 153 | 53 | 5,670 | 4,102 | 2,393 |
| Allergy and immunology | 144 | 104 | 33 | 13 | 0 | 0 | 15 | 12 | 2 |
| Anesthesiology | 3,681 | 1,845 | 583 | 495 | 11 | 2 | 324 | 196 | 104 |
| - Adult cardiothoracic anesthesiology | 141 | 70 | 16 | 7 | 0 | 1 | 8 | 4 | 7 |
| - Critical care medicine | 117 | 41 | 18 | 9 | 0 | 0 | 9 | 12 | 4 |
| - Regional anesthesiology and acute pain medicine | 37 | 34 | 7 | 4 | 0 | 0 | 2 | 4 | 4 |
| - Pediatric cardiac anesthesiology | 10 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| - Obstetric anesthesiology | 18 | 15 | 3 | 4 | 0 | 0 | 2 | 3 | 3 |
| - Pain medicine (multidisciplinary) | 193 | 130 | 26 | 18 | 1 | 0 | 17 | 16 | 10 |
| - Pediatric anesthesiology | 92 | 41 | 24 | 12 | 0 | 0 | 4 | 6 | 4 |
| Colon and rectal surgery | 61 | 25 | 12 | 4 | 0 | 1 | 5 | 0 | 2 |
| Dermatology | 851 | 389 | 142 | 93 | 5 | 0 | 81 | 62 | 10 |
| - Dermatopathology (multidisciplinary) | 37 | 17 | 8 | 6 | 0 | 0 | 5 | 2 | 2 |
| - Micrographic surgery and dermatologic oncology | 60 | 14 | 4 | 5 | 0 | 0 | 5 | 1 | 2 |
| - Pediatric dermatology | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Emergency medicine | 5,756 | 1,401 | 925 | 520 | 12 | 3 | 449 | 234 | 46 |
| - Emergency medical services | 68 | 9 | 10 | 3 | 0 | 0 | 2 | 3 | 0 |
| - Medical toxicology | 59 | 17 | 7 | 3 | 0 | 0 | 4 | 2 | 1 |
| - Pediatric emergency medicine | 67 | 36 | 18 | 12 | 1 | 0 | 4 | 3 | 2 |
| - Sports medicine | 11 | 4 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| - Undersea and hyperbaric medicine | 9 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| Family medicine | 7,055 | 3,677 | 1,655 | 1,236 | 40 | 12 | 721 | 391 | 223 |
| - Clinical informatics | 7 | 10 | 0 | 3 | 0 | 1 | 0 | 2 | 0 |
| - Geriatric medicine | 16 | 14 | 5 | 3 | 0 | 0 | 2 | 1 | 2 |
| - Hospice and palliative medicine (multidisciplinary) | 264 | 120 | 38 | 19 | 0 | 0 | 18 | 14 | 8 |
| - Sports medicine | 189 | 45 | 25 | 17 | 2 | 0 | 10 | 6 | 0 |
| Internal medicine | 11,204 | 11,674 | 3,062 | 2,064 | 24 | 7 | 1,260 | 1,354 | 1,145 |
| - Adult congenital heart disease | 18 | 8 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| - Advanced heart failure and transplant cardiology | 32 | 36 | 16 | 5 | 0 | 0 | 2 | 4 | 2 |
| - Cardiovascular disease | 1,328 | 1,295 | 264 | 221 | 2 | 1 | 123 | 154 | 68 |
| - Clinical cardiac electrophysiology | 146 | 114 | 22 | 14 | 0 | 0 | 11 | 17 | 5 |
| - Clinical informatics | 19 | 33 | 3 | 3 | 0 | 1 | 5 | 1 | 0 |
| - Critical care medicine | 157 | 117 | 35 | 22 | 0 | 0 | 14 | 10 | 3 |
| - Endocrinology, diabetes, and metabolism | 210 | 309 | 86 | 40 | 0 | 0 | 21 | 26 | 29 |
| - Gastroenterology | 725 | 776 | 184 | 123 | 1 | 2 | 51 | 89 | 24 |
| - Geriatric medicine | 84 | 104 | 28 | 23 | 0 | 0 | 8 | 11 | 12 |
| - Hematology and medical oncology | 845 | 873 | 115 | 92 | 1 | 0 | 67 | 66 | 39 |
| - Infectious disease | 350 | 252 | 104 | 33 | 0 | 0 | 24 | 31 | 23 |
| - Interventional cardiology | 121 | 166 | 20 | 28 | 0 | 0 | 10 | 24 | 4 |
| - Nephrology | 224 | 393 | 90 | 69 | 0 | 0 | 20 | 38 | 38 |
| - Medical oncology | 2 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Pulmonary disease | 13 | 30 | 11 | 6 | 0 | 0 | 2 | 3 | 0 |
| - Pulmonary disease and critical care medicine | 1,064 | 724 | 178 | 95 | 1 | 0 | 69 | 96 | 41 |
| - Rheumatology | 223 | 206 | 44 | 28 | 1 | 0 | 17 | 16 | 16 |
| - Sleep medicine (multidisciplinary) | 74 | 94 | 20 | 10 | 0 | 0 | 8 | 5 | 3 |
| - Transplant hepatology | 18 | 16 | 4 | 4 | 0 | 0 | 4 | 1 | 1 |
| Medical genetics and genomics | 32 | 17 | 9 | 1 | 0 | 0 | 2 | 1 | 2 |
| - Medical biochemical genetics | 8 | 1 | 4 | 0 | 0 | 0 | 1 | 1 | 0 |
| - Molecular genetic pathology (multidisciplinary) | 28 | 23 | 5 | 1 | 0 | 0 | 1 | 1 | 0 |
| Neurological surgery | 835 | 374 | 141 | 90 | 2 | 0 | 78 | 59 | 14 |
| - Neuroendovascular intervention | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

TABLE C.23 Continued

Number of Active Residents by Specialty and Subspecialty and Race/Ethnicity

| | | 1 | | F | Race/Ethnici | ty | | | 1 |
|--|-------|----------|--|---------------------------------|--|--|--------------------------------|-------|---------|
| Specialty | White | Asian | Hispanic, Latino or of Spanish origin | Black or African American | American Indian or Alaskan Native | Native Hawaiian or Pacific Islander | Multiple Race/ Ethnicity | Other | Unknown |
| Neurology | 1,476 | 1,109 | 380 | 151 | 2 | 5 | 149 | 165 | 93 |
| - Clinical neurophysiology | 54 | 62 | 15 | 4 | 1 | 0 | 5 | 5 | 7 |
| - Epilepsy | 76 | 49 | 10 | 6 | 0 | 0 | 6 | 4 | 7 |
| - Neurocritical care (multidisciplinary) | 43 | 51 | 9 | 7 | 0 | 0 | 4 | 3 | 3 |
| - Neuroendovascular intervention | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Neurodevelopmental disabilities | 19 | 5 | 2 | 1 | 0 | 0 | 3 | 1 | 0 |
| - Neuromuscular medicine | 42 | 25 | 2 | 3 | 0 | 0 | 3 | 1 | 1 |
| - Vascular neurology | 89 | 61 | 13 | 11 | 0 | 0 | 4 | 9 | 2 |
| Child neurology | 248 | 112 | 55 | 16 | 0 | 1 | 21 | 19 | 7 |
| Nuclear medicine | 24 | 23 | 7 | 4 | 0 | 0 | 2 | 5 | 12 |
| Obstetrics and gynecology | 3,405 | 891 | 642 | 572 | 8 | 2 | 275 | 128 | 39 |
| - Female pelvic medicine and reconstructive surgery | 88 | 29 | 13 | 12 | 0 | 0 | 8 | 3 | 2 |
| - Gynecologic oncology | 147 | 43 | 22 | 7 | 0 | 0 | 15 | 4 | 2 |
| - Maternal-fetal medicine | 259 | 63 | 34 | 28 | 0 | 0 | 16 | 13 | 3 |
| - Reproductive endocrinology and infertility | 102 | 38 | 8 | 13 | 0 | 0 | 6 | 6 | 0 |
| - Complex family planning | 29 | 11 | 6 | 5 | 0 | 0 | 2 | 2 | 0 |
| Ophthalmology | 838 | 579 | 125 | 69 | 0 | 0 | 62 | 47 | 18 |
| - Ophthalmic plastic and reconstructive surgery | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Orthopaedic surgery | 3,032 | 597 | 331 | 232 | 3 | 1 | 162 | 86 | 37 |
| - Adult reconstructive orthopaedics | 39 | 7 | 2 | 3 | 0 | 0 | 0 | 0 | 1 |
| - Foot and ankle orthopaedics | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| - Hand surgery | 117 | 22 | 7 | 5 | 0 | 1 | 6 | 0 | 1 |
| - Musculoskeletal oncology | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| - Orthopaedic sports medicine | 168 | 22 | 10 | 9 | 0 | 0 | 8 | 3 | 3 |
| - Orthopaedic surgery of the spine | 15 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
| - Orthopaedic trauma | 11 | 2 | 1 | 2 | 0 | 0 | 1 | 0 | 3 |
| - Pediatric orthopaedics | 22 | 4 | 5 | 1 | 0 | 0 | 0 | 3 | 4 |
| Osteopathic neuromusculoskeletal medicine | 45 | 20 | 5 | 5 | 0 | 0 | 4 | 3 | 1 |
| Otolaryngology - head and neck surgery | 1,048 | 394 | 132 | 73 | 1 | 0 | 84 | 55 | 8 |
| - Neurotology | 20 | 10 | 4 | 0 | 0 | 0 | 2 | 0 | 1 |
| - Pediatric otolaryngology | 21 | 10 | 2 | 0 | 0 | 0 | 2 | 1 | 4 |
| Pathology-anatomic and clinical | 1,032 | 651 | 215 | 145 | 2 | 1 | 101 | 99 | 96 |
| - Blood banking/transfusion medicine | 18 | 15 | 5 | 1 | 0 | 0 | 2 | 2 | 1 |
| - Clinical informatics | 8 | 11 | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| - Chemical pathology | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Cytopathology | 47 | 35 | 17 | 5 | 0 | 0 | 3 | 4 | 5 |
| - Forensic pathology | 40 | 4 | 9 | 4 | 0 | 0 | 2 | 0 | 1 |
| - Hematopathology | 69 | 43 | 7 | 4 | 1 | 0 | 7 | 2 | 6 |
| - Medical microbiology | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| - Neuropathology | 31 | 10 | 7 | 2 | 0 | 0 | 2 | 3 | 1 |
| - Pediatric pathology | 13 | 2 | 4 | 0 | 0 | 0 | 1 | 0 | 1 |
| - Selective pathology | 53 | 74 | 15 | 8 | 0 | 0 | 3 | 11 | 12 |
| Pediatrics | 4,786 | 2,186 | 1,088 | 663 | 10 | 4 | 377 | 266 | 159 |
| - Adolescent medicine | 49 | 14 | 6 | 16 | 0 | 0 | 6 | 0 | 0 |
| - Child abuse pediatrics | 28 | 14 | 7 | 3 | 1 | 0 | 0 | 3 | 1 |
| - Clinical informatics | 14 | 9 | 0 | 1 | 0 | 0 | 1 | 3 | 0 |
| - Developmental-behavioral pediatrics | 51 | 28 | 16 | 4 | 0 | 0 | 1 | 3 | 0 |
| - Neonatal-perinatal medicine | 417 | 196 | 97 | 61 | 0 | 0 | 30 | 15 | 14 |
| - Pediatric cardiology | 283 | 113 | 37 | 17 | 0 | 0 | 10 | 13 | 6 |
| - Pediatric critical care medicine | 375 | 113 | 52 | 24 | 1 | 0 | 23 | 11 | 5 |
| - Pediatric emergency medicine | 252 | 90 | 43 | 32 | 1 | 0 | 25 | 9 | 2 |
| - Pediatric endocrinology | 121 | 90 64 | 33 | <u> </u> | 0 | 0 | 3 | 12 | 12 |
| | 121 | 92 | 42 | 19 | 0 | 0 | 3 11 | 12 | 8 |
| - Pediatric gastroenterology Pediatric hematology (oncology | 255 | 109 | 42 39 | 21 | 0 | 0 | 11 | 10 | 4 |
| - Pediatric hematology/oncology - Pediatric infectious diseases | 100 | 40 | 24 | 5 | 0 | 0 | 19 | 4 | 8 |

TABLE C.23 Continued

Number of Active Residents by Specialty and Subspecialty and Race/Ethnicity

| | | | 1 | ŀ | Race/Ethnici | Ly | · · · · · | | |
|---|----------|-------|--|---------------------------------|--|--|--------------------------------|-------|--------|
| Specialty | White | Asian | Hispanic, Latino or of Spanish origin | Black or African American | American Indian or Alaskan Native | Native Hawaiian or Pacific Islander | Multiple Race/ Ethnicity | Other | Unknow |
| - Pediatric nephrology | 68 | 41 | 16 | 7 | 0 | 0 | 4 | 4 | 4 |
| - Pediatric pulmonology | 98 | 46 | 23 | 6 | 1 | 0 | 4 | 8 | 8 |
| - Pediatric rheumatology | 62 | 19 | 15 | 3 | 0 | 1 | 5 | 3 | 1 |
| - Sports medicine | 18 | 2 | 2 | 1 | 0 | 0 | 3 | 1 | 0 |
| - Pediatric transplant hepatology | 9 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| - Pediatric hospital medicine | 115 | 34 | 15 | 14 | 0 | 0 | 8 | 4 | 1 |
| Physical medicine and rehabilitation | 803 | 461 | 147 | 103 | 1 | 0 | 75 | 35 | 15 |
| - Brain injury medicine | 11 | 1 | 5 | 1 | 0 | 0 | 1 | 2 | 1 |
| - Neuromuscular medicine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Spinal cord injury medicine | 8 | 9 | 3 | 1 | 0 | 0 | 2 | 0 | 1 |
| - Pediatric rehabilitation medicine | 23 | 7 | 7 | 2 | 0 | 0 | 2 | 1 | 0 |
| - Sports medicine | 22 | 6 | 4 | 4 | 0 | 0 | 3 | 1 | 1 |
| Plastic surgery | 110 | 40 | 24 | 9 | 0 | 1 | 13 | 5 | 0 |
| Plastic Surgery - integrated | 637 | 226 | 99 | 39 | 0 | 0 | 62 | 36 | 8 |
| - Craniofacial surgery | 4 | 0 | 1 | 0 | 0 | 0 | 02 | 0 | 0 |
| - Hand surgery | 17 | 3 | 0 | 2 | 0 | 0 | 3 | 1 | 1 |
| Public health and general preventive medicine | 79 | 48 | 16 | 24 | 0 | 1 | 13 | 7 | 7 |
| Aerospace medicine | 40 | 3 | 4 | 1 | 0 | 0 | 2 | 0 | 2 |
| Occupational and environmental medicine | 61 | 28 | 8 | 11 | 0 | 0 | 5 | 4 | 1 |
| - Undersea and hyperbaric medicine | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychiatry | 3,603 | 1,960 | 813 | 626 | 10 | 1 | 421 | 232 | 73 |
| - Addiction medicine (multidisciplinary) | 88 | 38 | 9 | 15 | 0 | 0 | 5 | 3 | 1 |
| - Addiction psychiatry | 35 | 29 | 12 | 8 | 0 | 1 | 4 | 2 | 1 |
| - Child and adolescent psychiatry | 400 | 293 | 106 | 58 | 2 | 1 | 56 | 31 | 19 |
| - Forensic psychiatry | 38 | 18 | 5 | 4 | 0 | 0 | 6 | 3 | 15 |
| - Geriatric psychiatry | 19 | 23 | 7 | 5 | 0 | 0 | 2 | 0 | 2 |
| - Consultation-liaison psychiatry | 42 | 29 | 7 | 5 | 0 | 0 | 2 | 4 | 3 |
| Radiation oncology | 371 | 230 | 40 | 47 | 0 | 1 | 30 | 30 | 9 |
| Radiology-diagnostic | 2,402 | 1,263 | 327 | 187 | 4 | 2 | 218 | 145 | 66 |
| - Abdominal radiology | 2,402 | 1,203 | 1 | 4 | 0 | 0 | 1 | 2 | 10 |
| - Neuroendovascular intervention | 20 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 10 |
| | 20 | 9 | 2 | 0 | 0 | 0 | 2 | 0 | 5 |
| - Musculoskeletal radiology - Neuroradiology | 164 | 68 | 24 | 6 | 0 | 0 | 7 | 10 | 21 |
| - Nuclear radiology | 6 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 21 |
| - Pediatric radiology | 22 | 12 | 5 | 3 | 0 | 0 | 1 | 0 | 11 |
| Interventional radiology - independent | 79 | 44 | 20 | 12 | 0 | 1 | 8 | 7 | 6 |
| Interventional radiology - integrated | 396 | 202 | 52 | 31 | 2 | 0 | 33 | 26 | 8 |
| 0, 0 | 5,204 | 1,835 | 1,020 | 550 | 12 | 7 | 468 | 310 | 148 |
| Surgery Complex general surgical oncology | 70 | 27 | 1,020 | 6 | 0 | 1 | 400 | 5 | 0 |
| - Complex general surgical oncology - Hand surgery | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| - Pediatric surgery | 65 | 14 | 4 | 1 | 0 | 0 | 2 | 1 | 1 |
| - Surgical critical care | 217 | 58 | 24 | 12 | 0 | 0 | 20 | 6 | 4 |
| 0 | 150 | 63 | 18 | 12 | 1 | 0 | 12 | 9 | |
| - Vascular surgery Vascular surgery - integrated | 150 | 103 | 36 | 24 | 1 | 0 | 12 | 12 | 0 |
| | | | | | | - | | | |
| Thoracic surgery - Congenital cardiac surgery | 143 5 | 53 | 20 | 15 0 | 0 | 0 | 8 | 15 | 2 |
| | 122 | | 0 | | | | | | 0 |
| Thoracic surgery - integrated | | 61 | 14 | 11 | 0 | 0 | 14 | 8 | 7 |
| Urology | 1,029 | 398 | 158 | 97 | 3 | 1 | 86 | 48 | 14 |
| - Female pelvic medicine and reconstructive surgery | 26 | 8 | 4 | 3 | 0 | 0 | 0 | 0 | 1 |
| - Pediatric urology | 19 | 7 | 3 | 1 | 0 | 0 | 1 | 0 | 1 |
| Transitional year | 933 | 475 | 178 | 115 | 0 | 1 | 92 | 48 | 42 |
| Internal medicine/Pediatrics | 891 | 289 | 126 | 133 | 0 | 0 | 59 | 27 | 14 |

Notes: Pipeline specialties are highlighted. Unknown ethnicity includes both unknown and blank, while 'Other' indicates a known ethnicity other than the ones available for selection. Source: The gender and race/ethnicity reported since 2020-2021 academic year and forward are based upon self-reported data provided by the Association of American Medical Colleges ("AAMC").

Number of Active Female Residents by Specialty and Subspecialty and Race/Ethnicity

| | | | | F | Race/Ethnici | ty | | | |
|---|-----------|-----------|--|---------------------------------|--|--|--------------------------------|---------|---------|
| Specialty | White | Asian | Hispanic, Latino or of Spanish origin | Black or African American | American Indian or Alaskan Native | Native Hawaiian or Pacific Islander | Multiple Race/ Ethnicity | Other | Unknown |
| OVERALL | 33,850 | 21,651 | 7,313 | 5,781 | 83 | 30 | 3,313 | 2,153 | 1,306 |
| TOTAL PIPELINE | 27,610 | 17,079 | 6,081 | 4,912 | 74 | 24 | 2,789 | 1,769 | 1,032 |
| Allergy and immunology | 83 | 75 | 20 | 9 | 0 | 0 | 10 | 9 | 1,032 |
| Anesthesiology | 1,067 | 774 | 204 | 256 | 4 | 0 | 123 | 71 | 33 |
| - Adult cardiothoracic anesthesiology | 41 | 28 | 201 | 3 | 0 | 1 | 3 | 1 | 3 |
| - Critical care medicine | 36 | 20 | 4 | 4 | 0 | 0 | 2 | 3 | 1 |
| - Regional anesthesiology and acute pain medicine | 11 | 14 | 3 | 2 | 0 | 0 | 1 | 2 | 1 |
| - Pediatric cardiac anesthesiology | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| - Obstetric anesthesiology | 12 | 12 | 1 | 4 | 0 | 0 | 2 | 0 | 1 |
| - Pain medicine (multidisciplinary) | 36 | 36 | 7 | 7 | 0 | 0 | 5 | 3 | 2 |
| - Pediatric anesthesiology | 44 | 30 | 16 | 9 | 0 | 0 | 3 | 3 | 3 |
| Colon and rectal surgery | 28 | 10 | 6 | 2 | 0 | 1 | 3 | 0 | 1 |
| Dermatology | 498 | 242 | 84 | 81 | 3 | 0 | 55 | 42 | 8 |
| - Dermatopathology (multidisciplinary) | 23 | 9 | 1 | 4 | 0 | 0 | 2 | 42 | 1 |
| - Micrographic surgery and dermatologic oncology | 23 | 8 | 3 | 4 | 0 | 0 | 3 | 0 | 1 |
| - Pediatric dermatology | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Emergency medicine | 2,336 | 588 | 392 | 261 | 6 | 1 | 205 | 94 | 23 |
| - Emergency medical services | 2,330 | 0 | 352 | 3 | 0 | 0 | 205 | 1 | 0 |
| - Medical toxicology | 16 | 7 | 2 | 3 | 0 | 0 | 0 | 0 | 0 |
| - Pediatric emergency medicine | 42 | 21 | 11 | 11 | 1 | 0 | 3 | 2 | 1 |
| - Sports medicine | 6 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| - Undersea and hyperbaric medicine | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Family medicine | 3,602 | 2,153 | 922 | 831 | 19 | 6 | 380 | 200 | 103 |
| - Clinical informatics | 5,002 | 2,155 | 922 | 1 | 0 | 0 | 0 | 200 | 0 |
| - Clinical mormaucs - Geriatric medicine | 13 | 10 | 4 | 3 | 0 | 0 | 1 | 0 | 2 |
| - Genaric medicine - Hospice and palliative medicine (multidisciplinary) | 167 | 76 | 24 | 15 | 0 | 0 | 11 | 11 | 2 |
| - Frospice and panauve medicine (multidisciplinary) - Sports medicine | 56 | 70 | 5 | 9 | 1 | 0 | 4 | 11 | 0 |
| Internal medicine | 4,543 | 5,728 | 1,310 | 1,041 | 9 | 2 | 540 | 526 | 476 |
| - Adult congenital heart disease | 4,545 | 5,728 | 1,510 | 1,041 | 0 | 0 | 0 | 0 | 470 |
| - Advanced heart failure and transplant cardiology | 13 | 14 | 5 | 3 | 0 | 0 | 0 | 2 | 0 |
| - Cardiovascular disease | 311 | 409 | 68 | 69 | 0 | 0 | 38 | 24 | 24 |
| - Clinical cardiac electrophysiology | 18 | 30 | 2 | 2 | 0 | 0 | 1 | 1 | 1 |
| - Clinical informatics | 3 | 13 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| - Critical care medicine | 59 | 45 | 15 | 6 | 0 | 0 | 5 | 4 | 2 |
| | 138 | 228 | 57 | 31 | 0 | 0 | 12 | 16 | 22 |
| - Endocrinology, diabetes, and metabolism - Gastroenterology | 257 | 351 | 76 | 45 | 1 | 1 | 20 | 32 | 9 |
| - Geriatric medicine | 62 | 64 | 18 | 15 | 0 | 0 | 5 | 4 | 4 |
| | 309 | 458 | 48 | 50 | 0 | 0 | 25 | 31 | 19 |
| - Hematology and medical oncology | | | | | - | | | | |
| - Infectious disease - Interventional cardiology | 171 17 | 137 28 | 46 | 20 | 0 | 0 | 12 0 | 16 | 0 |
| - Interventional cardiology - Nephrology | 80 | 162 | 38 | 26 | 0 | 0 | 5 | 13 | 12 |
| 1 0/ | 2 | | | | 0 | 0 | | | |
| - Medical oncology | 2 | 3 | 2 | 0 | | | 0 | 0 | 0 |
| - Pulmonary disease | | 14 | 3 | 1 | 0 | 0 | | 1 | 0 |
| - Pulmonary disease and critical care medicine | 388 | 302 | 65 | 39 | 1 | 0 | 24 | 33 | 12 |
| - Rheumatology - Sleep medicine (multidisciplinary) | 121 | 138 | 26 | 17 | 1 | 0 | 7 | 10 | 9 |
| | 29 | 45 | 7 | 8 | 0 | 0 | 3 | 1 | 1 |
| - Transplant hepatology | 14 | 8 | 1 | 3 | 0 | 0 | 3 | 0 | 0 |
| Medical genetics and genomics | 23 | 11 | 4 | 1 | 0 | 0 | 1 | 1 | 2 |
| - Medical biochemical genetics | 19 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Molecular genetic pathology (multidisciplinary) | 13 | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Neurological surgery - Neuroendovascular intervention | 201 0 | 89 0 | 23 0 | 21 0 | 0 | 0 | 28 0 | 13 0 | 3 |

TABLE C.24 Continued

Number of Active Female Residents by Specialty and Subspecialty and Race/Ethnicity

| | | | | F | Race/Ethnici | ty | | | |
|---|-------|-------|--|---------------------------------|--|--|--------------------------------|-------|---------|
| Specialty | White | Asian | Hispanic, Latino or of Spanish origin | Black or African American | American Indian or Alaskan Native | Native Hawaiian or Pacific Islander | Multiple Race/ Ethnicity | Other | Unknown |
| Neurology | 660 | 592 | 193 | 78 | 1 | 2 | 67 | 67 | 43 |
| - Clinical neurophysiology | 24 | 34 | 3 | 2 | 0 | 0 | 2 | 0 | 2 |
| - Epilepsy | 41 | 22 | 5 | 4 | 0 | 0 | 3 | 4 | 1 |
| - Neurocritical care (multidisciplinary) | 18 | 16 | 1 | 6 | 0 | 0 | 3 | 1 | 0 |
| - Neuroendovascular intervention | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Neurodevelopmental disabilities | 11 | 5 | 1 | 1 | 0 | 0 | 1 | 1 | 0 |
| - Neuromuscular medicine | 20 | 16 | 2 | 1 | 0 | 0 | 1 | 1 | 0 |
| - Vascular neurology | 39 | 25 | 8 | 6 | 0 | 0 | 1 | 0 | 1 |
| Child neurology | 163 | 85 | 42 | 12 | 0 | 1 | 16 | 11 | 1 |
| Nuclear medicine | 8 | 10 | 2 | 1 | 0 | 0 | 0 | 2 | 2 |
| Obstetrics and gynecology | 2,947 | 797 | 536 | 530 | 7 | 1 | 248 | 97 | 29 |
| - Female pelvic medicine and reconstructive surgery | 71 | 24 | 7 | 10 | 0 | 0 | 8 | 0 | 0 |
| - Gynecologic oncology | 115 | 32 | 18 | 4 | 0 | 0 | 14 | 3 | 1 |
| - Maternal-fetal medicine | 203 | 49 | 24 | 25 | 0 | 0 | 12 | 8 | 2 |
| - Reproductive endocrinology and infertility | 82 | 34 | 7 | 11 | 0 | 0 | 4 | 3 | 0 |
| - Complex family planning | 29 | 11 | 5 | 5 | 0 | 0 | 2 | 2 | 0 |
| Ophthalmology | 266 | 292 | 49 | 30 | 0 | 0 | 27 | 27 | 7 |
| - Ophthalmic plastic and reconstructive surgery | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Orthopaedic surgery | 591 | 131 | 67 | 55 | 1 | 0 | 44 | 14 | 7 |
| - Adult reconstructive orthopaedics | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Foot and ankle orthopaedics | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| - Hand surgery | 43 | 6 | 2 | 4 | 0 | 0 | 0 | 0 | 1 |
| - Musculoskeletal oncology | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Orthopaedic sports medicine | 19 | 1 | 4 | 0 | 0 | 0 | 2 | 0 | 1 |
| - Orthopaedic surgery of the spine | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Orthopaedic trauma | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| - Pediatric orthopaedics | 11 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Osteopathic neuromusculoskeletal medicine | 18 | 15 | 2 | 3 | 0 | 0 | 1 | 1 | 1 |
| Otolaryngology - head and neck surgery | 417 | 191 | 53 | 36 | 0 | 0 | 42 | 21 | 4 |
| - Neurotology | 4 | 4 | 3 | 0 | 0 | 0 | 1 | 0 | 0 |
| - Pediatric otolaryngology | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Pathology-anatomic and clinical | 514 | 377 | 117 | 81 | 2 | 0 | 54 | 42 | 55 |
| - Blood banking/transfusion medicine | 5 | 10 | 3 | 1 | 0 | 0 | 2 | 0 | 1 |
| - Clinical informatics | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| - Chemical pathology | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Cytopathology | 25 | 22 | 9 | 4 | 0 | 0 | 2 | 1 | 3 |
| - Forensic pathology | 17 | 2 | 3 | 1 | 0 | 0 | 1 | 0 | 0 |
| - Hematopathology | 26 | 28 | 2 | 0 | 0 | 0 | 4 | 2 | 2 |
| - Medical microbiology | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Neuropathology | 15 | 8 | 5 | 0 | 0 | 0 | 1 | 2 | 1 |
| - Pediatric pathology | 8 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| - Selective pathology | 24 | 47 | 5 | 5 | 0 | 0 | 2 | 6 | 3 |
| Pediatrics | 3,399 | 1,688 | 802 | 539 | 8 | 4 | 275 | 190 | 91 |
| - Adolescent medicine | 38 | 14 | 4 | 13 | 0 | 0 | 5 | 0 | 0 |
| - Child abuse pediatrics | 23 | 8 | 5 | 3 | 1 | 0 | 0 | 3 | 0 |
| - Clinical informatics | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Developmental-behavioral pediatrics | 44 | 25 | 15 | 4 | 0 | 0 | 1 | 3 | 0 |
| - Neonatal-perinatal medicine | 297 | 143 | 69 | 48 | 0 | 0 | 22 | 9 | 12 |
| - Pediatric cardiology | 145 | 75 | 14 | 12 | 0 | 0 | 6 | 3 | 1 |
| - Pediatric critical care medicine | 250 | 85 | 31 | 16 | 1 | 0 | 14 | 6 | 3 |
| - Pediatric emergency medicine | 169 | 61 | 28 | 24 | 0 | 0 | 18 | 8 | 2 |
| - Pediatric endocrinology | 97 | 54 | 23 | 4 | 0 | 0 | 2 | 8 | 6 |
| - Pediatric gastroenterology | 102 | 63 | 30 | 17 | 0 | 0 | 8 | 8 | 7 |
| - Pediatric hematology/oncology | 171 | 75 | 27 | 18 | 0 | 0 | 12 | 10 | 3 |
| - Pediatric infectious diseases | 64 | 28 | 18 | 4 | 0 | 0 | 10 | 1 | 6 |

TABLE C.24 Continued

Number of Active Female Residents by Specialty and Subspecialty and Race/Ethnicity

| | | | | ŀ | Race/Ethnici | ty | | | |
|--|----------|-------|--|---------------------------------|--|--|--------------------------------|---------------|---------|
| Specialty | White | Asian | Hispanic, Latino or of Spanish origin | Black or African American | American Indian or Alaskan Native | Native Hawaiian or Pacific Islander | Multiple Race/ Ethnicity | Other | Unknown |
| - Pediatric nephrology | 46 | 30 | 13 | 4 | 0 | 0 | 2 | 1 | 4 |
| - Pediatric pulmonology | 60 | 34 | 15 | 3 | 1 | 0 | 3 | 5 | 4 |
| - Pediatric rheumatology | 48 | 16 | 10 | 3 | 0 | 1 | 4 | 2 | 1 |
| - Sports medicine | 6 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| - Pediatric transplant hepatology | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Pediatric hospital medicine | 82 | 26 | 12 | 11 | 0 | 0 | 6 | 4 | 0 |
| Physical medicine and rehabilitation | 255 | 148 | 55 | 43 | 0 | 0 | 26 | 14 | 7 |
| - Brain injury medicine | 5 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 1 |
| - Neuromuscular medicine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Spinal cord injury medicine | 4 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
| - Pediatric rehabilitation medicine | 15 | 5 | 4 | 2 | 0 | 0 | 1 | 1 | 0 |
| - Sports medicine | 15 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| Plastic surgery | 30 | 13 | 4 | 3 | 0 | 0 | 3 | 1 | 0 |
| Plastic Surgery - integrated | 286 | 120 | 46 | 27 | 0 | 0 | 31 | 13 | 2 |
| - Craniofacial surgery | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Hand surgery | 5 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| Public health and general preventive medicine | 46 | 38 | 14 | 19 | 0 | 1 | 4 | 1 | 4 |
| Aerospace medicine | 11 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
| Occupational and environmental medicine | 22 | 9 | 2 | 7 | 0 | 0 | 3 | 0 | 0 |
| - Undersea and hyperbaric medicine | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychiatry | 1,640 | 1,102 | 442 | 396 | 6 | 0 | 215 | 107 | 34 |
| - Addiction medicine (multidisciplinary) | 50 | 1,102 | 6 | 11 | 0 | 0 | 3 | 107 | 1 |
| - Addiction psychiatry | 13 | 9 | 3 | 3 | 0 | 1 | 3 | 0 | 1 |
| - Child and adolescent psychiatry | 209 | 184 | 60 | 45 | 0 | 1 | 34 | 14 | 12 |
| - Forensic psychiatry | 19 | 7 | 2 | - 45 | 0 | 0 | 5 | 3 | 0 |
| - Geriatric psychiatry | 19 | 15 | 7 | 1 | 0 | 0 | 1 | 0 | 1 |
| | 24 | 15 | 5 | 3 | 0 | 0 | 1 | 2 | 2 |
| - Consultation-liaison psychiatry | 119 | 85 | 15 | 17 | 0 | 0 | 9 | 10 | 2 |
| Radiation oncology | 563 | 409 | 97 | 70 | 1 | 0 | 68 | 48 | |
| Radiology-diagnostic | 3 | 2 | | 2 | 0 | 0 | 0 | | 24 5 |
| - Abdominal radiology | <u> </u> | 0 | 1 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Neuroendovascular intervention | - | 2 | | | - | - | | | - |
| - Musculoskeletal radiology | 4 | | 0 | 0 | 0 | 0 | 2 | 0 4 | 1 7 |
| - Neuroradiology | 28 | 16 | 0 | 0 | 0 | 0 | <u> </u> | <u>4</u> 0 | 2 |
| - Nuclear radiology | 9 | | | | 0 | 0 | | | |
| - Pediatric radiology | - | 8 | 2 | 0 | - | - | 0 | 0 | 2 |
| Interventional radiology - independent | 9 | 5 | 4 | 3 | 0 | 1 | 1 | 1 7 | 0 |
| Interventional radiology - integrated | 86 | 54 | 8 | 5 | 0 | 0 | 10 | | 1 |
| Surgery | 2,347 | 969 | 443 | 295 | 5 | 4 | 232 | 111 | 54 |
| - Complex general surgical oncology | 32 | 15 | 3 | 4 | 0 | 0 | 3 | 2 | 0 |
| - Hand surgery | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Pediatric surgery | 32 | 7 | 2 | 0 | 0 | 0 | 1 | 0 | 0 |
| - Surgical critical care | 101 | 24 | 10 | 5 | 0 | 0 | 12 | 2 | 1 |
| - Vascular surgery | 53 | 24 | 7 | 4 | 1 | 0 | 7 | 5 | 0 |
| Vascular surgery - integrated | 73 | 36 | 20 | 10 | 1 | 0 | 5 | 5 | 0 |
| Thoracic surgery | 43 | 18 | 4 | 4 | 0 | 0 | 2 | 5 | 1 |
| - Congenital cardiac surgery | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thoracic surgery - integrated | 39 | 21 | 4 | 5 | 0 | 0 | 6 | 5 | 4 |
| Urology | 300 | 129 | 52 | 50 | 1 | 1 | 32 | 11 | 6 |
| - Female pelvic medicine and reconstructive surgery | 21 | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 1 |
| - Pediatric urology | 9 | 4 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Transitional year | 293 | 183 | 65 | 61 | 0 | 0 | 46 | 11 | 15 |
| Internal medicine/Pediatrics | 531 | 177 | 71 | 105 | 0 | 0 | 38 | 16 | 5 |
| Health care administration, leadership, and management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Notes: Pipeline specialties are highlighted. Unknown ethnicity includes both unknown and blank, while 'Other' indicates a known ethnicity other than the ones available for selection.Source: The gender and race/ethnicity reported since 2020-2021 academic year and forward are based upon self-reported data provided by the Association of American Medical Colleges ("AAMC").

Number of Active Male Residents by Specialty and Subspecialty and Race/Ethnicity

| | | | | F | Race/Ethnici | ty | | | |
|---|--------|--------|--------------------------------------|---------------------|--|----------------------------------|--------------------------------|-------|---------|
| Security | White | A .: | Hispanic, Latino or of Spanish | Black or African | American Indian or Alaskan Native | Native Hawaiian or Pacific | Multiple Race/ Ethnicity | Other | Unknown |
| Specialty | | Asian | origin | American | | Islander | | | |
| OVERALL | 41,483 | 20,818 | 7,733 | 4,178 | 89 | 36 | 3,438 | 2,977 | 1,412 |
| TOTAL PIPELINE | 33,710 | 16,031 | 6,310 | 3,417 | 79 | 29 | 2,876 | 2,330 | 1,100 |
| Allergy and immunology | 61 | 29 | 13 | 4 | 0 | 0 | 5 | 3 | 1 |
| Anesthesiology | 2,612 | 1,070 | 378 | 239 | 7 | 2 | 201 | 125 | 58 |
| - Adult cardiothoracic anesthesiology | 99 | 42 | 14 | 4 | 0 | 0 | 5 | 3 | 4 |
| - Critical care medicine | 80 | 20 | 14 | 5 | 0 | 0 | 7 | 9 | 3 |
| - Regional anesthesiology and acute pain medicine | 26 | 20 | 4 | 2 | 0 | 0 | 1 | 2 | 3 |
| - Pediatric cardiac anesthesiology | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Obstetric anesthesiology | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 3 | 2 |
| - Pain medicine (multidisciplinary) | 157 | 94 | 19 | 11 | 1 | 0 | 12 | 13 | 8 |
| - Pediatric anesthesiology | 48 | 11 | 8 | 3 | 0 | 0 | 1 | 3 | 0 |
| Colon and rectal surgery | 33 | 15 | 6 | 2 | 0 | 0 | 2 | 0 | 1 |
| Dermatology | 353 | 147 | 58 | 12 | 2 | 0 | 26 | 20 | 2 |
| - Dermatopathology (multidisciplinary) | 14 | 8 | 7 | 2 | 0 | 0 | 3 | 1 | 1 |
| - Micrographic surgery and dermatologic oncology | 38 | 6 | 1 | 1 | 0 | 0 | 2 | 1 | 0 |
| - Pediatric dermatology | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emergency medicine | 3,414 | 812 | 533 | 259 | 6 | 2 | 244 | 140 | 21 |
| - Emergency medical services | 42 | 9 | 7 | 0 | 0 | 0 | 1 | 2 | 0 |
| - Medical toxicology | 43 | 10 | 5 | 0 | 0 | 0 | 4 | 1 | 1 |
| - Pediatric emergency medicine | 25 | 15 | 7 | 1 | 0 | 0 | 1 | 1 | 1 |
| - Sports medicine | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| - Undersea and hyperbaric medicine | 7 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| Family medicine | 3,442 | 1,520 | 730 | 401 | 21 | 6 | 340 | 191 | 81 |
| - Clinical informatics | 2 | 6 | 0 | 2 | 0 | 1 | 0 | 2 | 0 |
| - Geriatric medicine | 3 | 4 | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| - Hospice and palliative medicine (multidisciplinary) | 97 | 44 | 14 | 4 | 0 | 0 | 7 | 3 | 2 |
| - Sports medicine | 133 | 38 | 20 | 8 | 1 | 0 | 6 | 5 | 0 |
| Internal medicine | 6,656 | 5,939 | 1,749 | 1,023 | 15 | 5 | 719 | 827 | 549 |
| - Adult congenital heart disease | 12 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| - Advanced heart failure and transplant cardiology | 19 | 22 | 11 | 2 | 0 | 0 | 2 | 2 | 1 |
| - Cardiovascular disease | 1,017 | 886 | 196 | 152 | 2 | 1 | 85 | 129 | 42 |
| - Clinical cardiac electrophysiology | 128 | 84 | 20 | 12 | 0 | 0 | 10 | 16 | 3 |
| - Clinical informatics | 16 | 20 | 2 | 3 | 0 | 1 | 4 | 1 | 0 |
| - Critical care medicine | 98 | 72 | 20 | 16 | 0 | 0 | 9 | 6 | 1 |
| - Endocrinology, diabetes, and metabolism | 72 | 81 | 29 | 9 | 0 | 0 | 9 | 10 | 7 |
| - Gastroenterology | 467 | 425 | 108 | 78 | 0 | 1 | 31 | 57 | 14 |
| - Geriatric medicine | 22 | 40 | 10 | 8 | 0 | 0 | 3 | 7 | 7 |
| - Hematology and medical oncology | 536 | 415 | 67 | 42 | 1 | 0 | 42 | 35 | 19 |
| - Infectious disease | 178 | 115 | 58 | 13 | 0 | 0 | 12 | 15 | 10 |
| - Interventional cardiology | 103 | 138 | 17 | 19 | 0 | 0 | 10 | 23 | 3 |
| - Nephrology | 143 | 231 | 52 | 43 | 0 | 0 | 15 | 25 | 23 |
| - Medical oncology | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Pulmonary disease | 11 | 16 | 8 | 5 | 0 | 0 | 2 | 2 | 0 |
| - Pulmonary disease and critical care medicine | 676 | 422 | 113 | 55 | 0 | 0 | 45 | 63 | 25 |
| - Rheumatology | 102 | 68 | 113 | 11 | 0 | 0 | 10 | 6 | 7 |
| - Sleep medicine (multidisciplinary) | 44 | 49 | 13 | 2 | 0 | 0 | 5 | 4 | 2 |
| - Transplant hepatology | 4 | 8 | 3 | 1 | 0 | 0 | 1 | 1 | 1 |
| Medical genetics and genomics | 9 | 6 | 5 | 0 | 0 | 0 | 1 | 0 | 0 |
| - Medical biochemical genetics | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 0 |
| - Molecular genetic pathology (multidisciplinary) | 14 | 9 | 3 | 1 | 0 | 0 | 1 | 1 | 0 |
| Neurological surgery | 634 | 285 | 118 | 69 | 2 | 0 | 50 | 46 | 11 |
| - Neuroendovascular intervention | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0+0 | 1 |

TABLE C.25 Continued

Number of Active Male Residents by Specialty and Subspecialty and Race/Ethnicity

| | | | | F | Race/Ethnici | ty | | | |
|---|-------|-------|--|---------------------------------|--|--|--------------------------------|-------|---------|
| Specialty | White | Asian | Hispanic, Latino or of Spanish origin | Black or African American | American Indian or Alaskan Native | Native Hawaiian or Pacific Islander | Multiple Race/ Ethnicity | Other | Unknown |
| Neurology | 816 | 517 | 187 | 73 | 1 | 3 | 82 | 98 | 44 |
| - Clinical neurophysiology | 30 | 28 | 12 | 2 | 1 | 0 | 3 | 5 | 3 |
| - Epilepsy | 35 | 27 | 5 | 2 | 0 | 0 | 3 | 0 | 6 |
| - Neurocritical care (multidisciplinary) | 25 | 35 | 8 | 1 | 0 | 0 | 1 | 2 | 1 |
| - Neuroendovascular intervention | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Neurodevelopmental disabilities | 8 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 |
| - Neuromuscular medicine | 22 | 9 | 0 | 2 | 0 | 0 | 2 | 0 | 1 |
| - Vascular neurology | 50 | 36 | 5 | 5 | 0 | 0 | 3 | 9 | 1 |
| Child neurology | 85 | 27 | 13 | 4 | 0 | 0 | 5 | 8 | 6 |
| Nuclear medicine | 16 | 13 | 5 | 3 | 0 | 0 | 2 | 3 | 8 |
| Obstetrics and gynecology | 455 | 94 | 106 | 42 | 1 | 1 | 27 | 31 | 3 |
| - Female pelvic medicine and reconstructive surgery | 17 | 5 | 6 | 2 | 0 | 0 | 0 | 3 | 0 |
| - Gynecologic oncology | 32 | 11 | 4 | 3 | 0 | 0 | 1 | 1 | 0 |
| - Maternal-fetal medicine | 56 | 14 | 10 | 3 | 0 | 0 | 4 | 5 | 1 |
| - Reproductive endocrinology and infertility | 20 | 4 | 1 | 2 | 0 | 0 | 1 | 3 | 0 |
| - Complex family planning | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ophthalmology | 572 | 287 | 76 | 39 | 0 | 0 | 35 | 19 | 8 |
| - Ophthalmic plastic and reconstructive surgery | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Orthopaedic surgery | 2,441 | 466 | 264 | 177 | 2 | 1 | 118 | 72 | 29 |
| - Adult reconstructive orthopaedics | 33 | 6 | 1 | 3 | 0 | 0 | 0 | 0 | 1 |
| - Foot and ankle orthopaedics | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| - Hand surgery | 74 | 16 | 5 | 1 | 0 | 1 | 6 | 0 | 0 |
| - Musculoskeletal oncology | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| - Orthopaedic sports medicine | 149 | 21 | 6 | 9 | 0 | 0 | 6 | 3 | 1 |
| - Orthopaedic surgery of the spine | 113 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| - Orthopaedic trauma | 8 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| - Pediatric orthopaedics | 11 | 2 | 4 | 1 | 0 | 0 | 0 | 3 | 2 |
| Osteopathic neuromusculoskeletal medicine | 25 | 5 | 3 | 2 | 0 | 0 | 3 | 2 | 0 |
| Otolaryngology - head and neck surgery | 630 | 203 | 79 | 37 | 1 | 0 | 42 | 34 | 4 |
| - Neurotology | 16 | 6 | 1 | 0 | 0 | 0 | 12 | 0 | 1 |
| - Pediatric otolaryngology | 13 | 3 | 2 | 0 | 0 | 0 | 2 | 1 | 1 |
| Pathology-anatomic and clinical | 516 | 273 | 97 | 64 | 0 | 1 | 47 | 57 | 30 |
| - Blood banking/transfusion medicine | 13 | 5 | 2 | 04 | 0 | 0 | 0 | 2 | 0 |
| - Clinical informatics | 6 | 9 | 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| - Chemical pathology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Cytopathology | 22 | 13 | 8 | 1 | 0 | 0 | 1 | 3 | 1 |
| - Forensic pathology | 22 | 2 | 6 | 3 | 0 | 0 | 1 | 0 | 1 |
| - Hematopathology | 43 | 15 | 5 | 4 | 1 | 0 | 3 | 0 | 4 |
| - Medical microbiology | 43 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| - Neuropathology | 16 | 2 | 2 | 2 | 0 | 0 | 1 | 1 | 0 |
| - Pediatric pathology | 5 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 29 | 27 | 10 | 3 | 0 | 0 | | 5 | 8 |
| - Selective pathology Pediatrics | 1,383 | 495 | 285 | 3 124 | 2 | 0 | 1 102 | 76 | 43 |
| - Adolescent medicine | | | | 124 | 0 | 0 | | 0 | |
| | 5 | 0 7 | 2 | | 0 | 0 | 1 0 | 0 | 0 |
| - Child abuse pediatrics - Clinical informatics | 5 | 5 | 2 | 0 | 0 | 0 | - | 3 | 0 |
| - Clinical informatics - Developmental-behavioral pediatrics | 7 | 3 | 1 | 0 | 0 | 0 | 1 0 | 0 | 0 |
| | 120 | 51 | 28 | 13 | 0 | 0 | 8 | 6 | 2 |
| - Neonatal-perinatal medicine | | | | | - | - | | | |
| - Pediatric cardiology | 138 | 38 | 23 | 5 | 0 | 0 | 4 | 11 | 5 |
| - Pediatric critical care medicine | 125 | 41 | 21 | 8 | 0 | 0 | 9 | 6 | 2 |
| - Pediatric emergency medicine | 83 | 29 | 15 | 8 | 1 | 0 | 7 | 1 | 0 |
| - Pediatric endocrinology | 23 | 10 | 10 | 0 | 0 | 0 | 1 | 4 | 3 |
| - Pediatric gastroenterology | 56 | 29 | 12 | 2 | 0 | 0 | 3 | 2 | 1 |
| - Pediatric hematology/oncology | 84 | 34 | 12 | 3 | 0 | 0 | 7 | 6 | 1 |
| - Pediatric infectious diseases | 36 | 12 | 6 | 1 | 0 | 0 | 2 | 3 | 1 |

TABLE C.25 Continued

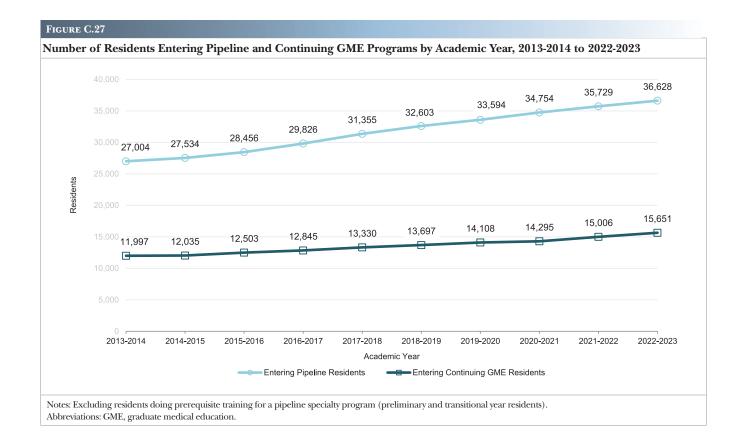
Number of Active Male Residents by Specialty and Subspecialty and Race/Ethnicity

| | | | | r | Race/Ethnici | ty | | | |
|---|-------|-------|--|---------------------------------|--|--|--------------------------------|-------|---------|
| Specialty | White | Asian | Hispanic, Latino or of Spanish origin | Black or African American | American Indian or Alaskan Native | Native Hawaiian or Pacific Islander | Multiple Race/ Ethnicity | Other | Unknown |
| - Pediatric nephrology | 21 | 11 | 3 | 3 | 0 | 0 | 2 | 3 | 0 |
| - Pediatric pulmonology | 38 | 12 | 8 | 3 | 0 | 0 | 1 | 2 | 1 |
| - Pediatric rheumatology | 14 | 3 | 5 | 0 | 0 | 0 | 1 | 1 | 0 |
| - Sports medicine | 12 | 2 | 1 | 1 | 0 | 0 | 2 | 1 | 0 |
| - Pediatric transplant hepatology | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| - Pediatric hospital medicine | 33 | 8 | 3 | 3 | 0 | 0 | 2 | 0 | 0 |
| Physical medicine and rehabilitation | 548 | 313 | 92 | 60 | 1 | 0 | 49 | 21 | 7 |
| - Brain injury medicine | 6 | 1 | 3 | 0 | 0 | 0 | 1 | 1 | 0 |
| - Neuromuscular medicine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Spinal cord injury medicine | 4 | 3 | 1 | 1 | 0 | 0 | 2 | 0 | 0 |
| - Pediatric rehabilitation medicine | 8 | 2 | 3 | 0 | 0 | 0 | 1 | 0 | 0 |
| - Sports medicine | 7 | 4 | 3 | 2 | 0 | 0 | 3 | 1 | 1 |
| Plastic surgery | 80 | 27 | 20 | 6 | 0 | 1 | 10 | 4 | 0 |
| Plastic Surgery - integrated | 351 | 105 | 53 | 12 | 0 | 0 | 31 | 23 | 5 |
| - Craniofacial surgery | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Hand surgery | 12 | 2 | 0 | 1 | 0 | 0 | 2 | 1 | 1 |
| Public health and general preventive medicine | 33 | 10 | 2 | 5 | 0 | 0 | 9 | 6 | 3 |
| Aerospace medicine | 29 | 2 | 2 | 1 | 0 | 0 | 2 | 0 | 1 |
| Occupational and environmental medicine | 39 | 19 | 6 | 4 | 0 | 0 | 2 | 4 | 1 |
| - Undersea and hyperbaric medicine | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychiatry | 1,955 | 856 | 371 | 230 | 4 | 1 | 203 | 125 | 29 |
| - Addiction medicine (multidisciplinary) | 38 | 19 | 3/1 | 4 | 0 | 0 | 203 | 2 | 0 |
| - Addiction psychiatry | 22 | 20 | 9 | 5 | 0 | 0 | 1 | 2 | 0 |
| - Child and adolescent psychiatry | 191 | 109 | 46 | 13 | 2 | 0 | 22 | 17 | 7 |
| - Forensic psychiatry | 131 | 103 | 3 | 3 | 0 | 0 | 1 | 0 | 1 |
| - Geriatric psychiatry | 8 | 8 | 0 | 4 | 0 | 0 | 1 | 0 | 1 |
| - Consultation-liaison psychiatry | 18 | 12 | 2 | 2 | 0 | 0 | 1 | 2 | 1 |
| Radiation oncology | 252 | 145 | 25 | 30 | 0 | 1 | 21 | 20 | 6 |
| Radiology-diagnostic | 1,839 | 854 | 230 | 117 | 3 | 2 | 150 | 97 | 39 |
| - Abdominal radiology | 1,000 | 10 | 0 | 2 | 0 | 0 | 130 | 1 | 3 |
| - Neuroendovascular intervention | 2 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| - Musculoskeletal radiology | 16 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| - Neuroradiology | 136 | 52 | 17 | 5 | 0 | 0 | 4 | 6 | 7 |
| - Nuclear radiology | 6 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| - Pediatric radiology | 13 | 4 | 3 | 3 | 0 | 0 | 1 | 0 | 7 |
| Interventional radiology - independent | 70 | 39 | 16 | 9 | 0 | 0 | 7 | 6 | 6 |
| Interventional radiology - integrated | 310 | 148 | 44 | 26 | 2 | 0 | 23 | 19 | 7 |
| Surgery | 2,855 | 866 | 576 | 255 | 7 | 3 | 236 | 198 | 81 |
| - Complex general surgical oncology | 38 | 12 | 8 | 200 | 0 | 1 | 4 | 3 | 0 |
| - Hand surgery | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| - Pediatric surgery | 33 | 7 | 2 | 1 | 0 | 0 | 1 | 1 | 1 |
| - Surgical critical care | 116 | 34 | 14 | 7 | 0 | 0 | 8 | 4 | 2 |
| - Vascular surgery | 97 | 39 | 11 | 13 | 0 | 0 | 5 | 4 | 0 |
| Vascular surgery - integrated | 120 | 67 | 16 | 10 | 0 | 0 | 6 | 7 | 1 |
| Thoracic surgery | 100 | 35 | 16 | 11 | 0 | 0 | 6 | 10 | 1 |
| - Congenital cardiac surgery | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thoracic surgery - integrated | 83 | 40 | 10 | 6 | 0 | 0 | 8 | 3 | 3 |
| Urology | 729 | 269 | 106 | 47 | 2 | 0 | 54 | 37 | 7 |
| - Female pelvic medicine and reconstructive surgery | 5 | 205 | 100 | 1 | 0 | 0 | 0 | 0 | 0 |
| - Pediatric urology | 10 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transitional year | 640 | 291 | 113 | 53 | 0 | 1 | 46 | 37 | 25 |
| Internal medicine/Pediatrics | 358 | 112 | 55 | 27 | 0 | 0 | 21 | 11 | 23 |
| memai meurine/ i culatites | 556 | 114 | 55 | 41 | 0 | 0 | 41 | 11 | 1 |

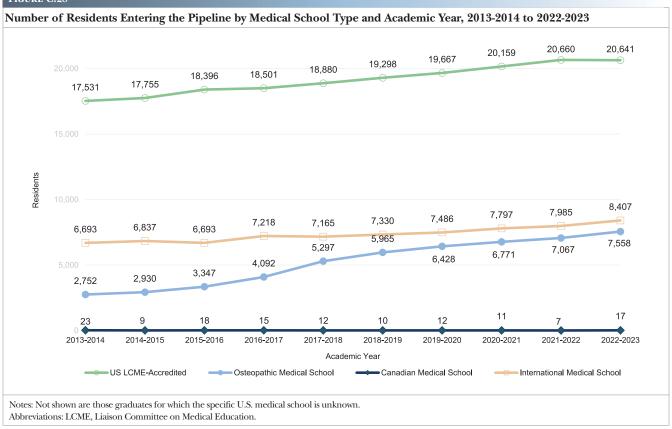
Notes: Pipeline specialties are highlighted. Unknown ethnicity includes both unknown and blank, while 'Other' indicates a known ethnicity other than the ones available for selection. Source: The gender and race/ethnicity reported since 2020-2021 academic year and forward are based upon self-reported data provided by the Association of American Medical Colleges ("AAMC").

| Active Res | 2022-2023 | |
|---|---------------------------------|---------|
| American Indian or Alaskan Native | Alone | 172 |
| | In Combination | 779 |
| | Total (Alone or In Combination) | 951 |
| Asian | Alone | 42,493 |
| | In Combination | 4,274 |
| | Total (Alone or In Combination) | 46,767 |
| Black or African American | Alone | 9,966 |
| | In Combination | 1,467 |
| | Total (Alone or In Combination) | 11,433 |
| Hispanic, Latino, or of Spanish Origin | Alone | 9,590 |
| | In Combination | 5,466 |
| | Total (Alone or In Combination) | 15,056 |
| Native Hawaiian or Other Pacific Islander | Alone | 66 |
| | In Combination | 299 |
| | Total (Alone or In Combination) | 365 |
| White | Alone | 75,393 |
| | In Combination | 10,122 |
| | Total (Alone or In Combination) | 85,515 |
| Other | Alone | 5,136 |
| | In Combination | 2,841 |
| | Total (Alone or In Combination) | 7,977 |
| Unknown Race/Ethnicity | | 3,040 |
| Unduplicated Total Residents | | 158,079 |

"Alone" indicates those who selected only one race/ethnicity response. "In Combination" indicates those who selected more than one race/ethnicity response. Source: The gender and race/ethnicity reported since 2021-2022 academic year and forward are based upon self-reported data provided by the Association of American Medical Colleges ("AAMC").







Number of Residents Entering the GME Pipeline by Specialty and Medical School Type

| | | | | | | Medical S | chool Type | e | | | |
|---|-----------|--------|----------------|-------|---------------------|-----------|---------------------|----|--------------------|---|----------------------|
| | Total | | CME- edited | | ational l School | | opathic I School | | ın Medical hool | | lical Schoo known |
| Specialty | Residents | # | % | # | % | # | % | # | % | # | % |
| OVERALL | 36,628 | 20,641 | 56.4% | 8,407 | 23.0% | 7,558 | 20.6% | 17 | 0.0% | 5 | 0.0% |
| Anesthesiology | 1,695 | 1,230 | 72.6% | 133 | 7.8% | 332 | 19.6% | 0 | 0.0% | 0 | 0.0% |
| Dermatology | 549 | 471 | 85.8% | 18 | 3.3% | 60 | 10.9% | 0 | 0.0% | 0 | 0.0% |
| Emergency medicine | 3,010 | 1,843 | 61.2% | 247 | 8.2% | 917 | 30.5% | 1 | 0.0% | 2 | 0.1% |
| Family medicine | 5,121 | 1,888 | 36.9% | 1,431 | 27.9% | 1,800 | 35.1% | 1 | 0.0% | 1 | 0.0% |
| Internal medicine | 10,260 | 4,176 | 40.7% | 4,179 | 40.7% | 1,898 | 18.5% | 6 | 0.1% | 1 | 0.0% |
| Medical genetics and genomics | 34 | 15 | 44.1% | 16 | 47.1% | 3 | 8.8% | 0 | 0.0% | 0 | 0.0% |
| Neurological surgery | 242 | 216 | 89.3% | 18 | 7.4% | 8 | 3.3% | 0 | 0.0% | 0 | 0.0% |
| Neurology | 1,025 | 546 | 53.3% | 312 | 30.4% | 165 | 16.1% | 1 | 0.1% | 1 | 0.1% |
| Child neurology | 169 | 119 | 70.4% | 26 | 15.4% | 23 | 13.6% | 1 | 0.6% | 0 | 0.0% |
| Nuclear medicine | 37 | 7 | 18.9% | 27 | 73.0% | 3 | 8.1% | 0 | 0.0% | 0 | 0.0% |
| Obstetrics and gynecology | 1,543 | 1,200 | 77.8% | 86 | 5.6% | 256 | 16.6% | 1 | 0.1% | 0 | 0.0% |
| Ophthalmology | 524 | 482 | 92.0% | 9 | 1.7% | 32 | 6.1% | 1 | 0.2% | 0 | 0.0% |
| Orthopaedic surgery | 897 | 759 | 84.6% | 19 | 2.1% | 119 | 13.3% | 0 | 0.0% | 0 | 0.0% |
| Osteopathic neuromusculoskeletal medicine | 15 | 0 | 0.0% | 0 | 0.0% | 15 | 100.0% | 0 | 0.0% | 0 | 0.0% |
| Otolaryngology - head and neck surgery | 380 | 354 | 93.2% | 4 | 1.1% | 22 | 5.8% | 0 | 0.0% | 0 | 0.0% |
| Pathology-anatomic and clinical | 644 | 270 | 41.9% | 286 | 44.4% | 88 | 13.7% | 0 | 0.0% | 0 | 0.0% |
| Pediatrics | 3,214 | 1,870 | 58.2% | 690 | 21.5% | 653 | 20.3% | 1 | 0.0% | 0 | 0.0% |
| Physical medicine and rehabilitation | 456 | 260 | 57.0% | 39 | 8.6% | 157 | 34.4% | 0 | 0.0% | 0 | 0.0% |
| Plastic surgery | 68 | 45 | 66.2% | 17 | 25.0% | 6 | 8.8% | 0 | 0.0% | 0 | 0.0% |
| Plastic surgery - integrated | 196 | 185 | 94.4% | 10 | 5.1% | 1 | 0.5% | 0 | 0.0% | 0 | 0.0% |
| Public health and general preventive medicine | 95 | 63 | 66.3% | 18 | 18.9% | 13 | 13.7% | 1 | 1.1% | 0 | 0.0% |
| Aerospace medicine | 21 | 16 | 76.2% | 0 | 0.0% | 4 | 19.0% | 1 | 4.8% | 0 | 0.0% |
| Occupational and environmental medicine | 66 | 39 | 59.1% | 18 | 27.3% | 9 | 13.6% | 0 | 0.0% | 0 | 0.0% |
| Psychiatry | 2,146 | 1,328 | 61.9% | 385 | 17.9% | 432 | 20.1% | 1 | 0.0% | 0 | 0.0% |
| Radiation oncology | 186 | 134 | 72.0% | 36 | 19.4% | 16 | 8.6% | 0 | 0.0% | 0 | 0.0% |
| Radiology-diagnostic | 1,153 | 834 | 72.3% | 134 | 11.6% | 185 | 16.0% | 0 | 0.0% | 0 | 0.0% |
| Interventional radiology - independent | 130 | 91 | 70.0% | 30 | 23.1% | 9 | 6.9% | 0 | 0.0% | 0 | 0.0% |
| Interventional radiology - integrated | 160 | 138 | 86.3% | 8 | 5.0% | 14 | 8.7% | 0 | 0.0% | 0 | 0.0% |
| Surgery | 1,681 | 1,259 | 74.9% | 170 | 10.1% | 251 | 14.9% | 1 | 0.1% | 0 | 0.0% |
| Vascular surgery - integrated | 86 | 75 | 87.2% | 8 | 9.3% | 3 | 3.5% | 0 | 0.0% | 0 | 0.0% |
| Thoracic surgery - integrated | 46 | 40 | 87.0% | 5 | 10.9% | 1 | 2.2% | 0 | 0.0% | 0 | 0.0% |
| Urology | 385 | 351 | 91.2% | 9 | 2.3% | 25 | 6.5% | 0 | 0.0% | 0 | 0.0% |
| Internal medicine/Pediatrics | 394 | 337 | 85.5% | 19 | 4.8% | 38 | 9.6% | 0 | 0.0% | 0 | 0.0% |

| | State | | | | | | | | | | | |
|----------------------|--------------|-------|-------|----|----|-----|-----|-----|-------|-----|-------|-------|
| State Name | Abbreviation | AN | EM | MG | NM | РТН | GPM | RO | DR | IRI | IRInd | Total |
| OVERALL | - | 1,695 | 3,010 | 34 | 37 | 644 | 95 | 186 | 1,153 | 160 | 7,231 | 130 |
| Alabama | AL | 21 | 17 | 1 | 0 | 12 | 0 | 2 | 17 | 2 | 75 | 0 |
| Alaska | AK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arizona | AZ | 4 | 49 | 0 | 0 | 4 | 0 | 3 | 21 | 1 | 85 | 3 |
| Arkansas | AR | 13 | 17 | 0 | 0 | 5 | 0 | 1 | 7 | 0 | 43 | 0 |
| California | CA | 184 | 285 | 5 | 2 | 61 | 14 | 25 | 107 | 16 | 717 | 9 |
| Colorado | CO | 4 | 17 | 2 | 0 | 8 | 2 | 1 | 9 | 2 | 46 | 0 |
| Connecticut | CT | 27 | 37 | 0 | 0 | 15 | 1 | 5 | 32 | 3 | 124 | 0 |
| Delaware | DE | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 18 | 1 |
| District of Columbia | DC | 16 | 21 | 0 | 0 | 10 | 0 | 2 | 8 | 3 | 63 | 3 |
| Florida | FL | 96 | 221 | 0 | 3 | 24 | 0 | 8 | 62 | 7 | 446 | 15 |
| Georgia | GA | 21 | 66 | 1 | 0 | 11 | 8 | 4 | 23 | 5 | 145 | 6 |
| Hawaii | HI | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 5 | 0 | 8 | 0 |
| Idaho | ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | IL | 87 | 145 | 0 | 1 | 30 | 3 | 9 | 49 | 10 | 343 | 6 |
| Indiana | IN | 27 | 21 | 1 | 0 | 3 | 0 | 2 | 11 | 2 | 69 | 2 |
| Iowa | IA | 15 | 10 | 0 | 1 | 6 | 0 | 2 | 4 | 1 | 40 | 1 |
| Kansas | KS | 16 | 10 | 0 | 0 | 4 | 0 | 1 | 10 | 1 | 43 | 1 |
| Kentucky | KY | 24 | 24 | 0 | 0 | 7 | 1 | 0 | 13 | 0 | 70 | 1 |
| Louisiana | LA | 32 | 39 | 0 | 0 | 10 | 1 | 0 | 20 | 3 | 105 | 0 |
| Maine | ME | 8 | 10 | 0 | 0 | 0 | 2 | 0 | 3 | 1 | 24 | 0 |
| Maryland | MD | 46 | 22 | 8 | 4 | 25 | 14 | 8 | 21 | 5 | 163 | 0 |
| Massachusetts | MA | 102 | 72 | 2 | 5 | 44 | 4 | 6 | 61 | 8 | 318 | 9 |
| Michigan | MI | 72 | 241 | 1 | 1 | 19 | 4 | 9 | 50 | 8 | 410 | 5 |
| Minnesota | MN | 9 | 32 | 1 | 0 | 12 | 1 | 5 | 22 | 3 | 89 | 1 |
| Mississippi | MS | 8 | 28 | 0 | 0 | 4 | 0 | 1 | 8 | 1 | 50 | 0 |
| Missouri | MO | 39 | 48 | 0 | 6 | 20 | 0 | 4 | 33 | 3 | 157 | 4 |
| Montana | MT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | NE | 8 | 12 | 0 | 0 | 7 | 0 | 1 | 8 | 1 | 37 | 0 |
| Nevada | NV | 8 | 29 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 42 | 0 |
| New Hampshire | NH | 7 | 6 | 0 | 0 | 4 | 5 | 1 | 3 | 3 | 29 | 0 |
| New Jersey | NJ | 25 | 121 | 0 | 0 | 8 | 3 | 3 | 29 | 1 | 192 | 0 |
| New Mexico | NM | 6 | 12 | 0 | 0 | 4 | 3 | 0 | 8 | 0 | 33 | 0 |
| New York | NY | 220 | 372 | 3 | 7 | 77 | 11 | 23 | 135 | 19 | 879 | 11 |
| North Carolina | NC | 41 | 82 | 2 | 0 | 18 | 5 | 8 | 28 | 5 | 194 | 4 |
| North Dakota | ND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ohio | OH | 76 | 166 | 0 | 0 | 28 | 2 | 9 | 49 | 5 | 351 | 6 |
| Oklahoma | OK | 15 | 35 | 1 | 0 | 3 | 0 | 1 | 14 | 0 | 71 | 2 |
| Oregon | OR | 13 | 11 | 0 | 1 | 3 | 0 | 2 | 5 | 1 | 40 | 4 |
| Pennsylvania | PA | 98 | 231 | 2 | 0 | 38 | 0 | 10 | 63 | 14 | 473 | 12 |
| Puerto Rico | PR | 3 | 16 | 0 | 0 | 2 | 0 | 0 | 4 | 0 | 25 | 0 |
| Rhode Island | RI | 20 | 22 | 0 | 0 | 4 | 0 | 0 | 6 | 1 | 54 | 1 |
| South Carolina | SC | 21 | 55 | 0 | 0 | 5 | 0 | 1 | 11 | 2 | 96 | 1 |
| South Dakota | SD | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| Tennessee | TN | 31 | 35 | 0 | 1 | 13 | 1 | 4 | 21 | 3 | 111 | 0 |
| Texas | TX | 120 | 205 | 2 | 1 | 53 | 3 | 12 | 84 | 7 | 509 | 13 |
| Utah | UT | 5 | 12 | 1 | 0 | 5 | 0 | 2 | 8 | 1 | 39 | 0 |
| Vermont | VT | 6 | 5 | 0 | 0 | 3 | 0 | 0 | 6 | 0 | 21 | 1 |
| Virginia | VA | 26 | 73 | 0 | 0 | 10 | 0 | 4 | 24 | 4 | 144 | 3 |
| Washington | WA | 34 | 25 | 1 | 4 | 7 | 3 | 2 | 17 | 3 | 102 | 3 |
| West Virginia | WV | 9 | 16 | 0 | 0 | 3 | 2 | 1 | 6 | 0 | 38 | 0 |
| Wisconsin | WI | 32 | 25 | 0 | 0 | 11 | 2 | 4 | 19 | 4 | 99 | 2 |
| Wyoming | WY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Pathology-anatomic and clinical; GPM, Preventive medicine; RO, Radiation oncology; DR, Radiology-diagnostic; IRI, Interventional radiology - integrated; IRInd for Interventional radiology - independent.

| Medical Specialty F | Residents Ente | ering the | e GME P | ipeline by | y Special | ty and St | ate | | | | | |
|--------------------------|-----------------------|-----------|-----------|------------|-----------|-----------|-----|-----------|-----|-------|-----|-----------|
| State Name | State Abbreviation | D | FM | IM | N | CHN | ONM | PD | PM | Р | IP | Total |
| OVERALL | - | 549 | 5,121 | 10,260 | 1,025 | 169 | 15 | 3,214 | 456 | 2,146 | 394 | 23,349 |
| Alabama | AL | 5 | 94 | 137 | 13 | 2 | 0 | 37 | 0 | 15 | 6 | 309 |
| Alaska | AK | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Arizona | AZ | 6 | 70 | 139 | 19 | 3 | 0 | 53 | 2 | 25 | 6 | 323 |
| Arkansas | AR | 3 | 83 | 103 | 4 | 1 | 0 | 25 | 4 | 17 | 5 | 245 |
| California | CA | 51 | 579 | 874 | 88 | 18 | 0 | 314 | 29 | 210 | 18 | 2,181 |
| Colorado | CO | 6 | 82 | 87 | 15 | 4 | 0 | 31 | 6 | 23 | 4 | 258 |
| Connecticut | CT | 8 | 25 | 234 | 16 | 2 | 0 | 41 | 4 | 31 | 4 | 365 |
| Delaware | DE | 0 | 21 | 27 | 0 | 1 | 0 | 22 | 0 | 8 | 5 | 84 |
| District of Columbia | DC | 9 | 6 | 111 | 14 | 4 | 0 | 47 | 6 | 28 | 4 | 229 |
| Florida | FL | 41 | 235 | 677 | 67 | 3 | 0 | 180 | 37 | 135 | 10 | 1,385 |
| Georgia | GA | 12 | 135 | 294 | 15 | 5 | 0 | 62 | 6 | 47 | 0 | 576 |
| Hawaii | HI | 0 | 21 | 37 | 0 | 0 | 0 | 15 | 0 | 13 | 0 | 86 |
| Idaho | ID | 0 | 45 | 20 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 73 |
| Illinois | IL | 24 | 261 | 474 | 44 | 5 | 0 | 139 | 19 | 62 | 25 | 1,053 |
| Indiana | IN | 0 | 105 | 95 | 8 | 2 | 0 | 35 | 4 | 23 | 14 | 286 |
| Iowa | IA | 5 | 57 | 49 | 7 | 0 | 0 | 22 | 0 | 17 | 0 | 157 |
| Kansas | KS | 5 | 43 | 46 | 5 | 0 | 0 | 5 | 4 | 12 | 3 | 123 |
| Kentucky | KY | 2 | 53 | 65 | 11 | 5 | 0 | 36 | 9 | 15 | 11 | 207 |
| Louisiana | LA | 10 | 65 | 153 | 16 | 1 | 0 | 43 | 6 | 33 | 17 | 344 |
| Maine | ME | 0 | 34 | 133 | 3 | 0 | 0 | -15 | 0 | 7 | 4 | 68 |
| Maryland | MD | 14 | 32 | 248 | 21 | 3 | 0 | 60 | 17 | 41 | 8 | 444 |
| Massachusetts | MA | 20 | 55 | 397 | 53 | 10 | 0 | 77 | 11 | 91 | 24 | 738 |
| Michigan | MI | 20 | 238 | 487 | 47 | 7 | 4 | 120 | 22 | 92 | 24 | 1,071 |
| Minnesota | MN | 16 | 79 | 115 | 15 | 2 | 0 | 42 | 12 | 25 | 10 | 316 |
| Mississippi | MS | 3 | 51 | 76 | 4 | 2 | 0 | 17 | 0 | 15 | 5 | 173 |
| Missouri | MO | 16 | 79 | 160 | 26 | 9 | 2 | 89 | 6 | 41 | 10 | 438 |
| Montana | MT | 0 | 18 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| Nebraska | NE | 3 | 46 | 51 | 8 | 0 | 0 | 15 | 4 | 11 | 4 | 142 |
| Nevada | NV | 0 | 50 | 76 | 5 | 0 | 0 | 10 | 6 | 20 | | 142 |
| New Hampshire | NH | 3 | 16 | 32 | 5 | 0 | 0 | 6 | 0 | 15 | 0 | 77 |
| | NI | 6 | 135 | 432 | 21 | 1 | 0 | 85 | 13 | 65 | 4 | 762 |
| New Jersey New Mexico | NM | 3 | 36 | 39 | 6 | 1 | 0 | 21 | 5 | 16 | 0 | 127 |
| New York | NY | 61 | 281 | 1,498 | 127 | 15 | 4 | 450 | 84 | 301 | 23 | 2,844 |
| North Carolina | NC | 16 | 150 | 222 | 127 | 7 | 0 | 450 75 | 14 | 51 | 18 | 572 |
| North Dakota | ND | 0 | 28 | 8 | 3 | 0 | 0 | 0 | 0 | 6 | 0 | 45 |
| Ohio | OH | 19 | 208 | 479 | 59 | 13 | 0 | 184 | 17 | 80 | 27 | 1,086 |
| Oklahoma | OK | 4 | 80 | 54 | 6 | 0 | 0 | 42 | 0 | 23 | 3 | 212 |
| | OR | 7 | 48 | 86 | 6 | 1 | 0 | 19 | 0 | 12 | 0 | 179 |
| Oregon Pennsylvania | PA | 37 | 366 | 628 | 71 | 11 | 0 | 15 | 42 | 112 | 19 | 1,442 |
| Puerto Rico | PR | 2 | 26 | 80 | 3 | 1 | 0 | 32 | 3 | 113 | 2 | 1,442 |
| Rhode Island | RI | 4 | 15 | 72 | 6 | 0 | 0 | 16 | 0 | 10 | 4 | 102 |
| South Carolina | SC | | | 72 | 20 | 1 | 0 | | 0 | 35 | 9 | |
| | SD | 4 0 | 118 17 | 7 | 0 | 0 | 0 | 41 6 | 0 | 9 | 0 | 305 39 |
| South Dakota | | | | | | | 0 | | | | | |
| Tennessee | TN | 9 | 82 | 139 | 14 | 5 | | 66 | 4 | 38 | 20 | 377 |
| Texas | TX | 50 | 357 | 654 | 69 | 14 | 0 | 241 | 31 | 158 | 21 | 1,595 |
| Utah | UT | 4 | 29 | 34 | 9 | 1 | 0 | 26 | 7 | 14 | 3 | 127 |
| Vermont | VT | 3 | 6 | 14 | 5 | 0 | 0 | 7 | 0 | 4 | 0 | 39 |
| Virginia | VA | 13 | 115 | 176 | 17 | 2 | 2 | 84 | 11 | 52 | 4 | 476 |
| Washington | WA | 4 | 160 | 121 | 10 | 3 | 0 | 49 | 3 | 23 | 0 | 373 |
| West Virginia | WV | 2 | 48 | 61 | 14 | 0 | 3 | 19 | 0 | 20 | 6 | 173 |
| Wisconsin | WI | 12 | 111 | 93 | 11 | 4 | 0 | 47 | 8 | 23 | 7 | 316 |
| Wyoming | WY | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |

neuromusculoskeletal medicine; PD, Pediatrics; PM, Physical medicine and rehabilitation; P, Psychiatry; IP, Internal medicine/Pediatrics.

| T | C 99 | |
|------|------|--|
| ABLE | 1.3Z | |
| | | |

| State Name | State Abbreviation | NS | OBG | ОРН | ORS | ото | PS | PSI | GS | VSI | TSI | U | Total |
|----------------------|-----------------------|---------|-------|----------|----------|-----|-----|---------|-------|-----|-----|----------|-------|
| OVERALL | - | 242 | 1,543 | 524 | 897 | 380 | 68 | 196 | 1,681 | 86 | 46 | 385 | 6,048 |
| Alabama | AL | 3 | 1,545 | 524 | 12 | 4 | 1 | 190 | 1,081 | 1 | 040 | 385 | 61 |
| Alaska | AK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | AK | 6 | 21 | 4 | 10 | | 0 | 1 | 35 | 1 | 0 | 5 | 87 |
| Arizona | AR | 2 | 5 | | | 4 | 0 | 0 | | 1 | 0 | 2 | 27 |
| Arkansas | | | - | 4 | 5 73 | 3 | | - | 190 | | - | | |
| California | CA | 20 | 128 | 46 | | 36 | 3 | 21 | 129 | 10 | 8 | 34 | 508 |
| Colorado | CO | 2 | 14 | 6 | 7 | 4 | 1 | 2 | 23 | 1 | 0 | 3 | 63 |
| Connecticut | CT | 3 | 35 | 5 | 10 | 7 | 0 | 3 | 26 | 1 | 2 | 5 | 97 |
| Delaware | DE | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 16 |
| District of Columbia | DC | 3 | 22 | 13 | 12 | 5 | 0 | 4 | 20 | 2 | 0 | 5 | 86 |
| Florida | FL | 9 | 66 | 27 | 39 | 10 | 5 | 10 | 98 | 3 | 1 | 16 | 284 |
| Georgia | GA | 3 | 30 | 9 | 16 | 7 | 2 | 2 | 39 | 2 | 1 | 7 | 118 |
| Hawaii | HI | 0 | 11 | 0 | 5 | 2 | 0 | 0 | 9 | 0 | 0 | 1 | 28 |
| Idaho | ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Illinois | IL | 14 | 67 | 24 | 28 | 17 | 2 | 10 | 63 | 4 | 1 | 20 | 250 |
| Indiana | IN | 3 | 15 | 6 | 6 | 4 | 3 | 2 | 17 | 1 | 1 | 4 | 62 |
| Iowa | IA | 2 | 6 | 5 | 6 | 5 | 1 | 1 | 15 | 1 | 1 | 3 | 46 |
| Kansas | KS | 2 | 15 | 4 | 9 | 4 | 0 | 2 | 17 | 0 | 0 | 4 | 57 |
| Kentucky | KY | 4 | 14 | 8 | 10 | 7 | 2 | 4 | 19 | 0 | 0 | 5 | 73 |
| Louisiana | LA | 5 | 29 | 16 | 15 | 10 | 2 | 2 | 30 | 2 | 0 | 10 | 121 |
| Maine | ME | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 2 | 11 |
| Maryland | MD | 8 | 29 | 15 | 23 | 10 | 1 | 4 | 29 | 0 | 1 | 7 | 127 |
| Massachusetts | MA | 9 | 38 | 18 | 26 | 13 | 5 | 7 | 63 | 5 | 2 | 15 | 201 |
| Michigan | MI | 9 | 99 | 27 | 64 | 21 | 5 | 7 | 102 | 2 | 2 | 21 | 359 |
| Minnesota | MN | 6 | 14 | 9 | 20 | 9 | 1 | 6 | 23 | 2 | 0 | 8 | 98 |
| Mississippi | MS | 2 | 6 | 4 | 4 | 3 | 0 | 2 | 10 | 0 | 0 | 2 | 33 |
| Missouri | MO | 7 | 33 | 17 | 26 | 11 | 0 | 7 | 25 | 2 | 0 | 7 | 135 |
| Montana | MT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nebraska | NE | 2 | 8 | 2 | 5 | 3 | 1 | 0 | 10 | 0 | 0 | 4 | 35 |
| Nevada | NV | 0 | 10 | 0 | 6 | 1 | 0 | 1 | 13 | 0 | 0 | 0 | 31 |
| New Hampshire | NH | 1 | 4 | 2 | 4 | 1 | 0 | 1 | 4 | 1 | 0 | 2 | 20 |
| New Jersey | NJ | 4 | 63 | 5 | 27 | 5 | 1 | 3 | 55 | 4 | 0 | 10 | 177 |
| New Mexico | NM | 0 | 7 | 0 | 5 | 2 | 0 | 1 | 7 | 0 | 0 | 3 | 25 |
| New York | NY | 25 | 179 | 69 | 91 | 35 | 3 | 19 | 180 | 11 | 8 | 41 | 661 |
| North Carolina | NC | 8 | 50 | 14 | 23 | 11 | 0 | 8 | 46 | 2 | 2 | 12 | 176 |
| North Dakota | ND | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 8 |
| Ohio | OH | 9 | 89 | 23 | 64 | 21 | 4 | 11 | 87 | 7 | 5 | 18 | 338 |
| Oklahoma | OK | 2 | 19 | 5 | 8 | 4 | 2 | 0 | 12 | 0 | 0 | 4 | 56 |
| Oregon | OR | 3 | 7 | 5 | 8 | 3 | 0 | 3 | 14 | 0 | 0 | 3 | 46 |
| Pennsylvania | PA | 18 | 94 | 29 | 71 | 29 | 9 | 10 | 116 | 6 | 4 | 26 | 412 |
| Puerto Rico | PR | 0 | 13 | 4 | 4 | 23 | 0 | 0 | 8 | 0 | 0 | 3 | 34 |
| Rhode Island | RI | 2 | 8 | 3 | 6 | 0 | 0 | 2 | 7 | 0 | 0 | 2 | 30 |
| South Carolina | SC | 2 | 19 | 7 | 12 | 4 | 1 | 1 | 28 | 2 | 2 | 3 | 81 |
| South Dakota | SD | 2 0 | 19 | 0 | 0 | 4 | 0 | 0 | 28 | 2 | 2 | 0 0 | |
| | | | | 10 | | | | | | | 0 | | 121 |
| Tennessee | TN TX | 5 18 | 34 | 10 42 | 18 66 | 9 | 4 8 | 1 16 | 39 | 0 | 2 | 11 27 | 131 |
| Texas | | | 130 | | | 24 | | | 123 | 6 | | | 462 |
| Utah | UT | 3 | 7 | 4 | 6 | 3 | 1 | 3 | 6 | 0 | 1 | 3 | 37 |
| Vermont | VT | 1 | 3 | 0 | 3 | 1 | 0 | 0 | 3 | 0 | 0 | 1 | 12 |
| Virginia | VA | 8 | 34 | 10 | 12 | 11 | 0 | 7 | 28 | 1 | 1 | 7 | 119 |
| Washington | WA | 3 | 17 | 7 | 11 | 6 | 0 | 5 | 23 | 2 | 1 | 6 | 81 |
| West Virginia | WV | 2 | 9 | 4 | 7 | 3 | 0 | 1 | 13 | 1 | 0 | 4 | 44 |
| Wisconsin | WI | 4 | 19 | 7 | 11 | 6 | 0 | 5 | 21 | 1 | 0 | 6 | 80 |

Abbreviations: GME, graduate medical education; NS, Neurological surgery; OBG, Obstetrics and gynecology; OPH, Ophthalmology; ORS, Orthopaedic surgery; OTO, Otolaryngology - head and neck surgery; PS, Plastic surgery; PSI, Plastic surgery - integrated; GS, Surgery; VSI, Vascular surgery - integrated; TSI, Thoracic surgeryintegrated; U, Urology.

Number of Residents Entering GME and the GME Pipeline by Specialty

| Specialty | PGY1 Residents | PGY1 Residents as % of Total | PGY1 Residents with No Prior Training | PGY1 Residents with No Prior Training as % of Total | Entering Pipeline Residents | Entering Pipeline Residents as % of Total |
|---|----------------|---------------------------------|---|--|--------------------------------|---|
| OVERALL | 38,121 | 100.0% | 36,515 | 100.0% | 36,628 | 100.0% |
| Anesthesiology | 1,497 | 3.9% | 1,400 | 3.8% | 1,695 | 4.6% |
| Dermatology | 21 | 0.1% | 0 | 0.0% | 549 | 1.5% |
| Emergency medicine | 3,002 | 7.9% | 2,795 | 7.7% | 3,010 | 8.2% |
| Family medicine | 5,121 | 13.4% | 4,941 | 13.5% | 5,121 | 14.0% |
| Internal medicine | 12,267 | 32.2% | 11,861 | 32.5% | 10,260 | 28.0% |
| Medical genetics and genomics | 2 | 0.0% | 0 | 0.0% | 34 | 0.1% |
| Neurological surgery | 242 | 0.6% | 228 | 0.6% | 242 | 0.7% |
| Neurology | 687 | 1.8% | 648 | 1.8% | 1,025 | 2.8% |
| Child neurology | 0 | 0.0% | 0 | 0.0% | 169 | 0.5% |
| Nuclear medicine | 0 | 0.0% | 0 | 0.0% | 37 | 0.1% |
| Obstetrics and gynecology | 1,560 | 4.1% | 1,486 | 4.1% | 1,543 | 4.2% |
| Ophthalmology | 205 | 0.5% | 196 | 0.5% | 524 | 1.4% |
| Orthopaedic surgery | 897 | 2.4% | 870 | 2.4% | 897 | 2.4% |
| Osteopathic neuromusculoskeletal medicine | 15 | 0.0% | 13 | 0.0% | 15 | 0.0% |
| Otolaryngology - head and neck surgery | 380 | 1.0% | 365 | 1.0% | 380 | 1.0% |
| Pathology-anatomic and clinical | 644 | 1.7% | 598 | 1.6% | 644 | 1.8% |
| Pediatrics | 3,307 | 8.7% | 3,249 | 8.9% | 3,214 | 8.8% |
| Physical medicine and rehabilitation | 188 | 0.5% | 162 | 0.4% | 456 | 1.2% |
| Plastic surgery | 0 | 0.0% | 0 | 0.0% | 68 | 0.2% |
| Plastic Surgery - integrated | 196 | 0.5% | 183 | 0.5% | 196 | 0.5% |
| Public health and general preventive medicine | 6 | 0.0% | 0 | 0.0% | 95 | 0.3% |
| Aerospace medicine | 0 | 0.0% | 0 | 0.0% | 21 | 0.1% |
| Occupational and environmental medicine | 2 | 0.0% | 0 | 0.0% | 66 | 0.2% |
| Psychiatry | 2,146 | 5.6% | 2,073 | 5.7% | 2,146 | 5.9% |
| Radiation oncology | 0 | 0.0% | 0 | 0.0% | 186 | 0.5% |
| Radiology-diagnostic | 0 | 0.0% | 0 | 0.0% | 1,153 | 3.1% |
| Interventional radiology - independent | 0 | 0.0% | 0 | 0.0% | 130 | 0.4% |
| Interventional radiology - integrated | 0 | 0.0% | 0 | 0.0% | 160 | 0.4% |
| Surgery | 2,941 | 7.7% | 2,747 | 7.5% | 1,681 | 4.6% |
| Vascular surgery - integrated | 86 | 0.2% | 77 | 0.2% | 86 | 0.2% |
| Thoracic surgery - integrated | 46 | 0.1% | 45 | 0.1% | 46 | 0.1% |
| Urology | 385 | 1.0% | 363 | 1.0% | 385 | 1.1% |
| Transitional year | 1,884 | 4.9% | 1,823 | 5.0% | 0 | 0.0% |
| Internal medicine/Pediatrics | 394 | 1.0% | 392 | 1.1% | 394 | 1.1% |

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Number of Residents Entering GME and the GME Pipeline by State

| State Name | PGY1 Residents | PGY1 Residents as % of Total | PGY1 Residents with No Prior Training | PGY1 Residents with No Prior Training as % of Total | Entering Pipeline Residents | Entering Pipelin Residents as % o Total |
|----------------------|----------------|---------------------------------|--|---|--------------------------------|---|
| OVERALL | 38,121 | 100.0% | 36,515 | 100.0% | 36,628 | 100.0% |
| Alabama | 466 | 1.2% | 451 | 1.2% | 445 | 1.2% |
| Alaska | 100 | 0.0% | 131 | 0.0% | 113 | 0.0% |
| Arizona | 547 | 1.4% | 525 | 1.4% | 495 | 1.4% |
| Arkansas | 343 | 0.9% | 323 | 0.9% | 315 | 0.9% |
| California | 3,527 | 9.3% | 3,414 | 9.3% | 3,406 | 9.3% |
| Colorado | 3,527 | 1.0% | 361 | 9.3% | 367 | 1.0% |
| | 598 | | 582 | | | 1.0% |
| Connecticut | | 1.6% | | 1.6% | 586 | |
| Delaware | 117 | 0.3% | 111 | 0.3% | 118 | 0.3% |
| District of Columbia | 391 | 1.0% | 380 | 1.0% | 378 | 1.0% |
| Florida | 2,284 | 6.0% | 2,168 | 5.9% | 2,115 | 5.8% |
| Georgia | 888 | 2.3% | 841 | 2.3% | 839 | 2.3% |
| Hawaii | 137 | 0.4% | 129 | 0.4% | 122 | 0.3% |
| Idaho | 77 | 0.2% | 76 | 0.2% | 73 | 0.2% |
| Illinois | 1,711 | 4.5% | 1,659 | 4.5% | 1,646 | 4.5% |
| Indiana | 428 | 1.1% | 420 | 1.2% | 417 | 1.1% |
| Iowa | 250 | 0.7% | 238 | 0.7% | 243 | 0.7% |
| Kansas | 222 | 0.6% | 213 | 0.6% | 223 | 0.6% |
| Kentucky | 370 | 1.0% | 355 | 1.0% | 350 | 1.0% |
| Louisiana | 579 | 1.5% | 544 | 1.5% | 570 | 1.6% |
| Maine | 102 | 0.3% | 99 | 0.3% | 103 | 0.3% |
| Maryland | 735 | 1.9% | 708 | 1.9% | 734 | 2.0% |
| Massachusetts | 1,271 | 3.3% | 1,232 | 3.4% | 1,257 | 3.4% |
| Michigan | 1,900 | 5.0% | 1,793 | 4.9% | 1,840 | 5.0% |
| Minnesota | 487 | 1.3% | 471 | 1.3% | 503 | 1.4% |
| Mississippi | 286 | 0.8% | 268 | 0.7% | 256 | 0.7% |
| Missouri | 707 | 1.9% | 684 | 1.9% | 730 | 2.0% |
| Montana | 30 | 0.1% | 29 | 0.1% | 26 | 0.1% |
| Nebraska | 213 | 0.6% | 205 | 0.6% | 214 | 0.6% |
| Nevada | 284 | 0.7% | 273 | 0.7% | 240 | 0.7% |
| New Hampshire | 121 | 0.3% | 113 | 0.3% | 126 | 0.3% |
| New Jersey | 1,213 | 3.2% | 1,151 | 3.2% | 1,131 | 3.1% |
| New Mexico | 1,213 | 0.5% | 1,151 | 0.5% | 1,151 | 0.5% |
| New York | 4,645 | 12.2% | 4,425 | 12.1% | 4,384 | 12.0% |
| North Carolina | 975 | 2.6% | 932 | 2.6% | 942 | 2.6% |
| | 61 | | 58 | 0.2% | 53 | |
| North Dakota | | 0.2% | | | | 0.1% |
| Ohio | 1,832 | 4.8% | 1,757 | 4.8% | 1,775 | 4.8% |
| Oklahoma | 341 | 0.9% | 330 | 0.9% | 339 | 0.9% |
| Oregon | 273 | 0.7% | 267 | 0.7% | 265 | 0.7% |
| Pennsylvania | 2,389 | 6.3% | 2,263 | 6.2% | 2,327 | 6.4% |
| Puerto Rico | 278 | 0.7% | 254 | 0.7% | 221 | 0.6% |
| Rhode Island | 199 | 0.5% | 196 | 0.5% | 211 | 0.6% |
| South Carolina | 521 | 1.4% | 498 | 1.4% | 482 | 1.3% |
| South Dakota | 52 | 0.1% | 49 | 0.1% | 44 | 0.1% |
| Tennessee | 626 | 1.6% | 599 | 1.6% | 619 | 1.7% |
| Texas | 2,629 | 6.9% | 2,528 | 6.9% | 2,566 | 7.0% |
| Utah | 197 | 0.5% | 192 | 0.5% | 203 | 0.6% |
| Vermont | 66 | 0.2% | 63 | 0.2% | 72 | 0.2% |
| Virginia | 786 | 2.1% | 752 | 2.1% | 739 | 2.0% |
| Washington | 586 | 1.5% | 566 | 1.6% | 556 | 1.5% |
| West Virginia | 274 | 0.7% | 260 | 0.7% | 255 | 0.7% |
| Wisconsin | 512 | 1.3% | 501 | 1.4% | 495 | 1.4% |
| Wyoming | 15 | 0.0% | 14 | 0.0% | 15 | 0.0% |

Abbreviations: GME, graduate medical education; PGY1, post graduate year 1.

FIGURE C.35

| | Number of Residents | Percent of Total | Percent of Tota | ıl |
|---------------------------|------------------------|---------------------|-----------------|----|
| Caribbean | 3,109 | 37.0% | | |
| Southern Asia | 1,944 | 23.1% | | |
| Western Asia | 847 | 10.1% | | |
| South America | 411 | 4.9% | | |
| Central America | 310 | 3.7% | | |
| Sub-Saharan Africa | 297 | 3.5% | | |
| Eastern Europe | 288 | 3.4% | | |
| Northern Africa | 283 | 3.4% | | |
| Eastern Asia | 232 | 2.8% | | |
| Northern Europe | 203 | 2.4% | | |
| South-eastern Asia | 191 | 2.3% | | |
| Australia and New Zealand | 115 | 1.4% | | |
| Southern Europe | 91 | 1.1% | | |
| Western Europe | 53 | 0.6% | | |
| Unknown | 20 | 0.2% | | |
| Central Asia | 11 | 0.1% | | |
| Polynesia | 2 | 0.0% | | |

Note: Introduced new "Unknown" region for those international medical school graduates where an unknown international medical school was entered by the Program. Abbreviations: GME, graduate medical education.

| TABLE C.36 | | | | | | | | | |
|---|----------------|---------------------|--|--|--|--|--|--|--|
| Number of Residents in Medically Related Specialty Programs | | | | | | | | | |
| Specialty | Total Programs | Number of Residents | | | | | | | |
| OVERALL | 57 | 88 | | | | | | | |
| Clinical biochemical genetics | 17 | 12 | | | | | | | |
| Laboratory genetics and genomics | 40 | 76 | | | | | | | |

Resident Characteristics

Graduating Residents and Residents Leaving Prior to Completion

This section summarizes the characteristics of both graduating residents who successfully completed all accredited education, and residents who left their program prior to successful completion. Resident completion status for the 2021-2022 academic year was reported during the fall of the 2022-2023 academic year, therefore, the following data includes only those residents who graduated or left their programs between September 1, 2021 and August 31, 2022.

Graduating Residents

Of the 49,681 residents graduating from ACGME-accredited programs in the 2020-2021 academic year, 62.7% graduated from a program in a medical specialty or subspecialty, 22.7% graduated from a program in a hospital-based specialty or subspecialty, and 14.7% graduated from a program in a surgical specialty or subspecialty. From the 2012-2013 academic year to the 2021-2022 academic year, there was a 29.8% increase in graduating residents (a 29.8% increase in specialty program graduates). The specialties with the highest number of graduating residents in the 2021-2022 academic year include:

- Internal medicine (9,322)
- Family medicine (4,659)
- Pediatrics (3,085)
- Emergency medicine (2,632)

International medical school graduates account for 12,344 (24.8%) of all graduating residents.

Residents Completing Preliminary Education and Training and Transitional Year Graduates

There were 3,211 residents who completed preliminary education and training and 1,769 residents graduating from transitional year programs during the 2021-2022 academic year, for a total of 4,980 residents completing the necessary prerequisite education and training for specialty programs that require a clinical base year. Of the 3,211 preliminary education and training graduates, 1,978 (61.6%) were in internal medicine, 1,127 (35.1%) were in surgery, 99 (3.1%) were in pediatrics, and 7 (0.2%) were in obstetrics and gynecology. Over the last 10 years, the total number of preliminary graduates has fluctuated, with a high of 3,579 in the 2017-2018 academic year, and a low of 3,211 in 2021-2022. Since 2012-2013, there has been a 51.5% increase in the number of residents completing transitional year programs.

Geographic Distribution of Graduates

There were approximately 14.8 graduating residents per 100,000 population, including Puerto Rico, during the 2020-2021 academic year (10.5 specialty graduates and 4.3 subspecialty graduates). The following states have the highest total number of graduating residents:

- New York (6,153)
- California (4,677)
- Texas (3,235)
- Pennsylvania (3,175)

The concentration of specialty graduates ranges from 1.6 per 100,000 population in Alaska to 54.5 per 100,000 population in the District of Columbia.

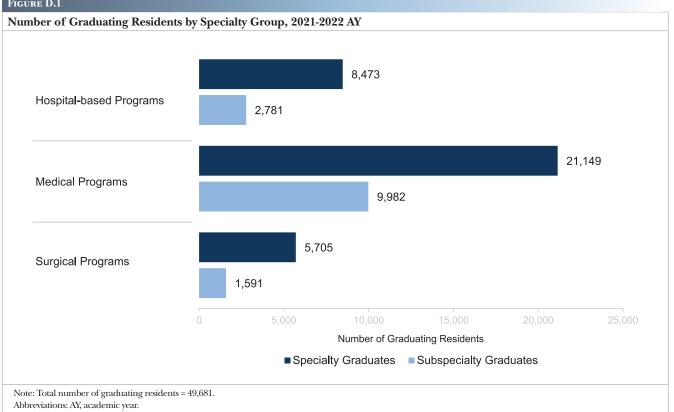
Residents Leaving Prior to Completion

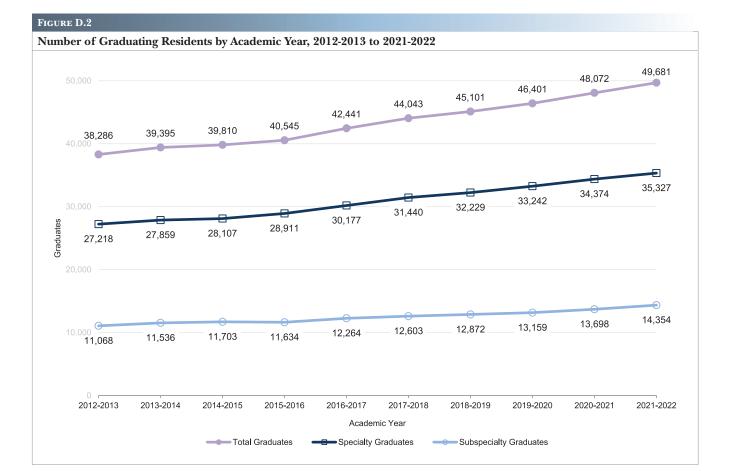
In the 2021-2022 academic year, 2,366 left their programs prior to successful completion with statuses of either transferred (51.5%), withdrawn (35.6%), dismissed (11.3%), deceased (1.4%), or unsuccessfully completed program (0.3%). The following specialties have the highest number of transferring residents:

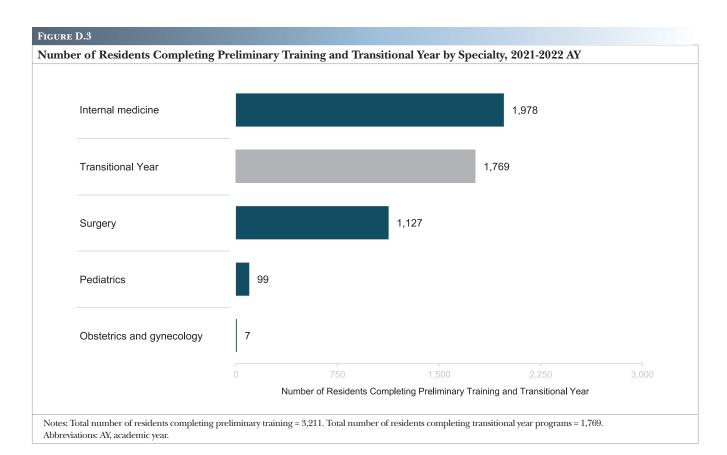
- Psychiatry (395)
- Internal medicine (134)
- Surgery (127)
- Family medicine (114)

Overall, of the 1,153 transfers that occurred among residents in specialty programs during the 2021-2022 academic year, 445 (38.6%) occurred during the first year of the program, 232 (20.1%) occurred during the second year of the program, 409 (35.5%) occurred during the third year of the program, and 67 (5.8%) occurred in the fourth, or fifth year of the program. \wedge











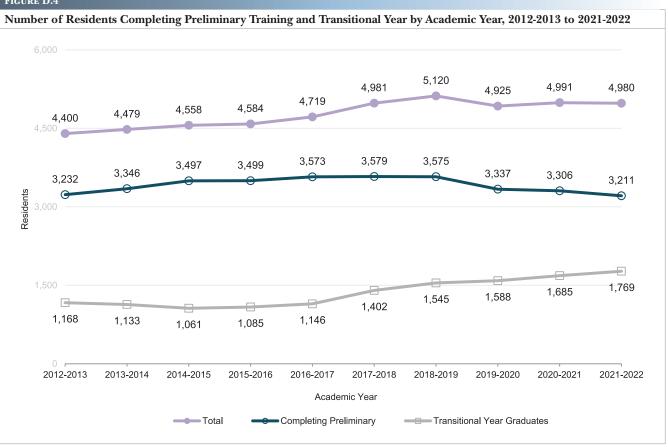


TABLE D.5

Number of Graduating Residents and Residents Completing Preliminary Training by Specialty and Subspecialty, 2021-2022 AY

| Specialty | Total Graduates | Percent of Total Graduates | Number of Residents Completing Preliminary Training | Percent of Total Residents Completing Preliminary Training 100.0% 100.0% | | | |
|---|-----------------|-------------------------------|---|---|--|--|--|
| OVERALL | 49,681 | 100.0% | 3,211 | | | | |
| TOTAL PIPELINE | 33,371 | 67.2% | 3,211 | | | | |
| Allergy and immunology | 157 | 0.3% | 0 | 0.0% | | | |
| Anesthesiology | 1,818 | 3.7% | 0 | 0.0% | | | |
| - Adult cardiothoracic anesthesiology | 245 | 0.5% | 0 | 0.0% | | | |
| - Critical care medicine | 206 | 0.4% | 0 | 0.0% | | | |
| - Regional anesthesiology and acute pain medicine | 92 | 0.2% | 0 | 0.0% | | | |
| - Pediatric cardiac anesthesiology | 11 | 0.0% | 0 | 0.0% | | | |
| - Obstetric anesthesiology | 56 | 0.1% | 0 | 0.0% | | | |
| - Pain medicine (multidisciplinary) | 416 | 0.8% | 0 | 0.0% | | | |
| - Pediatric anesthesiology | 204 | 0.4% | 0 | 0.0% | | | |
| Colon and rectal surgery | 107 | 0.2% | 0 | 0.0% | | | |
| Dermatology | 526 | 1.1% | 0 | 0.0% | | | |
| - Dermatopathology (multidisciplinary) | 71 | 0.1% | 0 | 0.0% | | | |
| - Micrographic surgery and dermatologic oncology | 87 | 0.2% | 0 | 0.0% | | | |
| - Pediatric dermatology | 9 | 0.0% | 0 | 0.0% | | | |
| Emergency medicine | 2,632 | 5.3% | 0 | 0.0% | | | |
| - Emergency medical services | 104 | 0.2% | 0 | 0.0% | | | |
| - Medical toxicology | 44 | 0.1% | 0 | 0.0% | | | |
| - Pediatric emergency medicine | 46 | 0.1% | 0 | 0.0% | | | |
| - Sports medicine | 17 | 0.0% | 0 | 0.0% | | | |
| - Undersea and hyperbaric medicine | 12 | 0.0% | 0 | 0.0% | | | |
| Family medicine | 4,659 | 9.4% | 0 | 0.0% | | | |
| - Clinical informatics | 8 | 0.0% | 0 | 0.0% | | | |
| - Geriatric medicine | 50 | 0.1% | 0 | 0.0% | | | |
| - Hospice and palliative medicine (multidisciplinary) | 430 | 0.9% | 0 | 0.0% | | | |
| - Sports medicine | 283 | 0.6% | 0 | 0.0% | | | |
| Internal medicine | 9,322 | 18.8% | 1,978 | 61.6% | | | |
| - Adult congenital heart disease | 18 | 0.0% | 0 | 0.0% | | | |
| - Advanced heart failure and transplant cardiology | 103 | 0.2% | 0 | 0.0% | | | |
| - Cardiovascular disease | 1,075 | 2.2% | 0 | 0.0% | | | |
| - Clinical cardiac electrophysiology | 149 | 0.3% | 0 | 0.0% | | | |
| - Clinical informatics | 24 | 0.0% | 0 | 0.0% | | | |
| - Critical care medicine | 182 | 0.4% | 0 | 0.0% | | | |
| - Endocrinology, diabetes, and metabolism | 340 | 0.7% | 0 | 0.0% | | | |
| - Gastroenterology | 607 | 1.2% | 0 | 0.0% | | | |
| - Geriatric medicine | 295 | 0.6% | 0 | 0.0% | | | |
| - Hematology and medical oncology | 626 | 1.3% | 0 | 0.0% | | | |
| - Infectious disease | 385 | 0.8% | 0 | 0.0% | | | |
| - Interventional cardiology | 362 | 0.7% | 0 | 0.0% | | | |
| - Nephrology | 413 | 0.8% | 0 | 0.0% | | | |
| - Medical oncology | 7 | 0.0% | 0 | 0.0% | | | |
| - Pulmonary disease | 31 | 0.1% | 0 | 0.0% | | | |
| - Pulmonary disease and critical care medicine | 738 | 1.5% | 0 | 0.0% | | | |
| - Rheumatology | 274 | 0.6% | 0 | 0.0% | | | |
| - Sleep medicine (multidisciplinary) | 198 | 0.4% | 0 | 0.0% | | | |
| - Transplant hepatology | 49 | 0.1% | 0 | 0.0% | | | |
| Medical genetics and genomics | 34 | 0.1% | 0 | 0.0% | | | |
| - Medical biochemical genetics | 17 | 0.0% | 0 | 0.0% | | | |
| - Molecular genetic pathology (multidisciplinary) | 58 | 0.1% | 0 | 0.0% | | | |
| Neurological surgery | 220 | 0.1% | 0 | 0.0% | | | |
| - Neuroendovascular intervention | 220 | 0.4% | 0 | 0.0% | | | |

TABLE D.5 Continued

| Number of Graduating Residents and Residents Completing Preliminary Training by Specialty and Subspecialty, 2021-2022 AY | | | | | | | | | |
|--|-----------------|-------------------------------|---|---|--|--|--|--|--|
| Specialty | Total Graduates | Percent of Total Graduates | Number of Residents Completing Preliminary Training | Percent of Total Residents Completing Preliminary Training 0.0% | | | | | |
| Neurology | 882 | 1.8% | 0 | | | | | | |
| - Clinical neurophysiology | 154 | 0.3% | 0 | 0.0% | | | | | |
| - Epilepsy | 157 | 0.3% | 0 | 0.0% | | | | | |
| - Neurocritical care (multidisciplinary) | 13 | 0.0% | 0 | 0.0% | | | | | |
| - Neuroendovascular intervention | 2 | 0.0% | 0 | 0.0% | | | | | |
| - Neurodevelopmental disabilities | 4 | 0.0% | 0 | 0.0% | | | | | |
| - Neuromuscular medicine | 76 | 0.2% | 0 | 0.0% | | | | | |
| - Vascular neurology | 156 | 0.3% | 0 | 0.0% | | | | | |
| Child neurology | 142 | 0.3% | 0 | 0.0% | | | | | |
| Nuclear medicine | 38 | 0.1% | 0 | 0.0% | | | | | |
| Obstetrics and gynecology | 1,427 | 2.9% | 7 | 0.2% | | | | | |
| - Female pelvic medicine and reconstructive surgery | 51 | 0.1% | 0 | 0.0% | | | | | |
| - Gynecologic oncology | 73 | 0.1% | 0 | 0.0% | | | | | |
| - Maternal-fetal medicine | 137 | 0.3% | 0 | 0.0% | | | | | |
| - Reproductive endocrinology and infertility | 56 | 0.1% | 0 | 0.0% | | | | | |
| - Complex family planning | 24 | 0.0% | 0 | 0.0% | | | | | |
| Ophthalmology | 509 | 1.0% | 0 | 0.0% | | | | | |
| - Ophthalmic plastic and reconstructive surgery | 3 | 0.0% | 0 | 0.0% | | | | | |
| Orthopaedic surgery | 875 | 1.8% | 0 | 0.0% | | | | | |
| - Adult reconstructive orthopaedics | 53 | 0.1% | 0 | 0.0% | | | | | |
| - Foot and ankle orthopaedics | 16 | 0.0% | 0 | 0.0% | | | | | |
| - Hand surgery | 155 | 0.3% | 0 | 0.0% | | | | | |
| - Musculoskeletal oncology | 16 | 0.0% | 0 | 0.0% | | | | | |
| - Orthopaedic sports medicine | 215 | 0.4% | 0 | 0.0% | | | | | |
| - Orthopaedic surgery of the spine | 25 | 0.1% | 0 | 0.0% | | | | | |
| - Orthopaedic trauma | 20 | 0.0% | 0 | 0.0% | | | | | |
| - Pediatric orthopaedics | 37 | 0.1% | 0 | 0.0% | | | | | |
| Osteopathic neuromusculoskeletal medicine | 48 | 0.1% | 0 | 0.0% | | | | | |
| Otolaryngology - head and neck surgery | 334 | 0.7% | 0 | 0.0% | | | | | |
| - Neurotology | 17 | 0.0% | 0 | 0.0% | | | | | |
| - Pediatric otolaryngology | 43 | 0.1% | 0 | 0.0% | | | | | |
| Pathology-anatomic and clinical | 625 | 1.3% | 0 | 0.0% | | | | | |
| - Blood banking/transfusion medicine | 46 | 0.1% | 0 | 0.0% | | | | | |
| - Clinical informatics | 10 | 0.0% | 0 | 0.0% | | | | | |
| - Chemical pathology | 0 | 0.0% | 0 | 0.0% | | | | | |
| - Cytopathology | 124 | 0.2% | 0 | 0.0% | | | | | |
| - Forensic pathology | 58 | 0.1% | 0 | 0.0% | | | | | |
| - Hematopathology | 129 | 0.3% | 0 | 0.0% | | | | | |
| - Medical microbiology | 123 | 0.0% | 0 | 0.0% | | | | | |
| - Neuropathology | 25 | 0.1% | 0 | 0.0% | | | | | |
| - Pediatric pathology | 24 | 0.0% | 0 | 0.0% | | | | | |
| - Selective pathology | 185 | 0.4% | 0 | 0.0% | | | | | |
| Pediatrics | 3,085 | 6.2% | 99 | 3.1% | | | | | |
| - Adolescent medicine | 34 | 0.1% | 0 | 0.0% | | | | | |
| - Child abuse pediatrics | 19 | 0.0% | 0 | 0.0% | | | | | |
| - Clinical informatics | 15 | 0.0% | 0 | 0.0% | | | | | |
| - Developmental-behavioral pediatrics | 41 | 0.1% | 0 | 0.0% | | | | | |
| - Neonatal-perinatal medicine | 257 | 0.5% | 0 | 0.0% | | | | | |
| - Pediatric cardiology | 161 | 0.3% | 0 | 0.0% | | | | | |
| - Pediatric critical care medicine | 188 | 0.4% | 0 | 0.0% | | | | | |
| - Pediatric emergency medicine | 158 | 0.3% | 0 | 0.0% | | | | | |
| - Pediatric endocrinology | 69 | 0.1% | 0 | 0.0% | | | | | |
| - Pediatric gastroenterology | 113 | 0.2% | 0 | 0.0% | | | | | |
| - Pediatric hematology/oncology | 113 | 0.3% | 0 | 0.0% | | | | | |
| - Pediatric infectious diseases | 53 | 0.1% | 0 | 0.0% | | | | | |

TABLE D.5 Continued

Number of Graduating Residents and Residents Completing Preliminary Training by Specialty and Subspecialty, 2021-2022 AY

| Specialty | Total Graduates | Percent of Total Graduates | Number of Residents Completing Preliminary Training | Percent of Total Residents Completing Preliminary Training | | | |
|--|-----------------|-------------------------------|---|---|--|--|--|
| - Pediatric nephrology | 33 | 0.1% | 0 | 0.0% | | | |
| - Pediatric pulmonology | 64 | 0.1% | 0 | 0.0% | | | |
| - Pediatric rheumatology | 32 | 0.1% | 0 | 0.0% | | | |
| - Sports medicine | 29 | 0.1% | 0 | 0.0% | | | |
| - Pediatric transplant hepatology | 16 | 0.0% | 0 | 0.0% | | | |
| - Pediatric hospital medicine | 74 | 0.1% | 0 | 0.0% | | | |
| Physical medicine and rehabilitation | 457 | 0.9% | 0 | 0.0% | | | |
| - Brain injury medicine | 27 | 0.1% | 0 | 0.0% | | | |
| - Neuromuscular medicine | 1 | 0.0% | 0 | 0.0% | | | |
| - Spinal cord injury medicine | 23 | 0.0% | 0 | 0.0% | | | |
| - Pediatric rehabilitation medicine | 14 | 0.0% | 0 | 0.0% | | | |
| - Sports medicine | 40 | 0.1% | 0 | 0.0% | | | |
| Plastic surgery | 66 | 0.1% | 0 | 0.0% | | | |
| Plastic surgery - integrated | 159 | 0.1% | 0 | 0.0% | | | |
| - Craniofacial surgery | 5 | 0.3% | 0 | 0.0% | | | |
| - Craniofacial surgery - Hand surgery | 25 | 0.0% | 0 | 0.0% | | | |
| | | | | | | | |
| Public health and general preventive medicine | 91 | 0.2% | 0 | 0.0% | | | |
| Aerospace medicine | 22 | 0.0% | 0 | 0.0% | | | |
| Occupational and environmental medicine | 62 | 0.1% | 0 | 0.0% | | | |
| - Undersea and hyperbaric medicine | 1 | 0.0% | 0 | 0.0% | | | |
| Psychiatry | 1,494 | 3.0% | 0 | 0.0% | | | |
| - Addiction medicine (multidisciplinary) | 174 | 0.4% | 0 | 0.0% | | | |
| - Addiction psychiatry | 89 | 0.2% | 0 | 0.0% | | | |
| - Child and adolescent psychiatry | 469 | 0.9% | 0 | 0.0% | | | |
| - Forensic psychiatry | 90 | 0.2% | 0 | 0.0% | | | |
| - Geriatric psychiatry | 58 | 0.1% | 0 | 0.0% | | | |
| - Consultation-liaison psychiatry | 92 | 0.2% | 0 | 0.0% | | | |
| Radiation oncology | 189 | 0.4% | 0 | 0.0% | | | |
| Radiology-diagnostic | 1,103 | 2.2% | 0 | 0.0% | | | |
| - Abdominal radiology | 50 | 0.1% | 0 | 0.0% | | | |
| - Neuroendovascular intervention | 3 | 0.0% | 0 | 0.0% | | | |
| - Musculoskeletal radiology | 36 | 0.1% | 0 | 0.0% | | | |
| - Neuroradiology | 297 | 0.6% | 0 | 0.0% | | | |
| - Nuclear radiology | 15 | 0.0% | 0 | 0.0% | | | |
| - Pediatric radiology | 52 | 0.1% | 0 | 0.0% | | | |
| Interventional radiology - independent | 184 | 0.4% | 0 | 0.0% | | | |
| Interventional radiology - integrated | 90 | 0.2% | 0 | 0.0% | | | |
| Surgery | 1,467 | 3.0% | 1,127 | 35.1% | | | |
| - Complex general surgical oncology | 61 | 0.1% | 0 | 0.0% | | | |
| - Hand surgery | 8 | 0.0% | 0 | 0.0% | | | |
| - Pediatric surgery | 41 | 0.1% | 0 | 0.0% | | | |
| - Surgical critical care | 339 | 0.7% | 0 | 0.0% | | | |
| - Vascular surgery | 129 | 0.3% | 0 | 0.0% | | | |
| Vascular surgery - integrated | 63 | 0.1% | 0 | 0.0% | | | |
| Thoracic surgery | 107 | 0.1% | 0 | 0.0% | | | |
| | 107 | 0.2% | 0 | 0.0% | | | |
| - Congenital cardiac surgery | | | | | | | |
| Thoracic surgery - integrated | 29 | 0.1% | 0 | 0.0% | | | |
| Urology | 342 | 0.7% | 0 | 0.0% | | | |
| - Female pelvic medicine and reconstructive surgery | 15 | 0.0% | 0 | 0.0% | | | |
| - Pediatric urology | 12 | 0.0% | 0 | 0.0% | | | |
| Transitional year | 1,769 | 3.6% | 0 | 0.0% | | | |
| Internal medicine/Pediatrics | 377 | 0.8% | 0 | 0.0% | | | |
| Health care administration, leadership, and management | 0 | 0.0% | 0 | 0.0% | | | |

TABLE D.6

Number of Graduating Residents by Specialty and Subspecialty and Medical School Type, 2021-2022 AY

| Specialty | Total | US LCME - Accredited Medical School | | International Medical School | | Osteopathic Medical School | | Canadian Medical School | | US Medical School Unknown | |
|--|-----------|---|----------------|---------------------------------|---------------|-------------------------------|--------------|-------------------------------|------|---------------------------------|------|
| | Graduates | # | % | # | % | # | % | # | % | # | % |
| OVERALL | 49,681 | 28,719 | 57.8% | 12,344 | 24.8% | 8,528 | 17.2% | 89 | 0.2% | 1 | 0.0% |
| TOTAL PIPELINE | 33,371 | 19,382 | 58.1% | 7,673 | 23.0% | 6,305 | 18.9% | 11 | 0.0% | 0 | 0.0% |
| Allergy and immunology | 157 | 10,002 | 69.4% | 28 | 17.8% | 20 | 12.7% | 0 | 0.0% | 0 | 0.0% |
| Anesthesiology | 1,818 | 1,247 | 68.6% | 250 | 13.8% | 320 | 17.6% | 1 | 0.1% | 0 | 0.0% |
| - Adult cardiothoracic anesthesiology | 245 | 1,217 | 66.9% | 50 | 20.4% | 28 | 11.4% | 3 | 1.2% | 0 | 0.0% |
| - Critical care medicine | 206 | 149 | 72.3% | 38 | 18.4% | 19 | 9.2% | 0 | 0.0% | 0 | 0.0% |
| - Regional anesthesiology and acute pain medicine | 92 | 61 | 66.3% | 25 | 27.2% | 6 | 6.5% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric cardiac anesthesiology | 11 | 4 | 36.4% | 7 | 63.6% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Obstetric anesthesiology | 56 | 40 | 71.4% | 12 | 21.4% | 4 | 7.1% | 0 | 0.0% | 0 | 0.0% |
| - Pain medicine (multidisciplinary) | 416 | 259 | 62.3% | 73 | 17.5% | 84 | 20.2% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric anesthesiology | 204 | 130 | 63.7% | 52 | 25.5% | 21 | 10.3% | 1 | 0.5% | 0 | 0.0% |
| Colon and rectal surgery | 107 | 80 | 74.8% | 16 | 15.0% | 8 | 7.5% | 3 | 2.8% | 0 | 0.0% |
| | 526 | 456 | 86.7% | 10 | 3.6% | 49 | 9.3% | 2 | 0.4% | 0 | 0.0% |
| Dermatology | 526 | 430 | | | 3.0% 21.1% | 49 | 9.3% | 2 | 2.8% | 0 | |
| - Dermatopathology (multidisciplinary) - Micrographic surgery and dermatologic oncology | 87 | | 66.2% 89.7% | 15 2 | 21.1% | 6 | 9.9% 6.9% | 2 | | 0 | 0.0% |
| | 87 | 78 7 | | 2 | 2.3% | | | 0 | 1.1% | 0 | 0.0% |
| - Pediatric dermatology | - | | 77.8% | | | 0 | 0.0% | | | | 0.0% |
| Emergency medicine | 2,632 | 1,757 | 66.8% | 142 | 5.4% | 732 | 27.8% | 1 | 0.0% | 0 | 0.0% |
| - Emergency medical services | 104 | 83 | 79.8% | 4 | 3.8% | 17 | 16.3% | 0 | 0.0% | 0 | 0.0% |
| - Medical toxicology | 44 | 32 | 72.7% | 4 | 9.1% | 8 | 18.2% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric emergency medicine | 46 | 24 | 52.2% | 15 | 32.6% | 7 | 15.2% | 0 | 0.0% | 0 | 0.0% |
| - Sports medicine | 17 | 11 | 64.7% | 2 | 11.8% | 4 | 23.5% | 0 | 0.0% | 0 | 0.0% |
| - Undersea and hyperbaric medicine | 12 | 6 | 50.0% | 4 | 33.3% | 1 | 8.3% | 1 | 8.3% | 0 | 0.0% |
| Family medicine | 4,659 | 1,918 | 41.2% | 1,212 | 26.0% | 1,529 | 32.8% | 0 | 0.0% | 0 | 0.0% |
| - Clinical informatics | 8 | 6 | 75.0% | 2 | 25.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Geriatric medicine | 50 | 20 | 40.0% | 16 | 32.0% | 14 | 28.0% | 0 | 0.0% | 0 | 0.0% |
| - Hospice and palliative medicine (multidisciplinary) | 430 | 262 | 60.9% | 103 | 24.0% | 62 | 14.4% | 2 | 0.5% | 1 | 0.2% |
| - Sports medicine | 283 | 135 | 47.7% | 42 | 14.8% | 106 | 37.5% | 0 | 0.0% | 0 | 0.0% |
| Internal medicine | 9,322 | 3,932 | 42.2% | 3,773 | 40.5% | 1,614 | 17.3% | 3 | 0.0% | 0 | 0.0% |
| - Adult congenital heart disease | 18 | 11 | 61.1% | 4 | 22.2% | 3 | 16.7% | 0 | 0.0% | 0 | 0.0% |
| - Advanced heart failure and transplant cardiology | 103 | 61 | 59.2% | 34 | 33.0% | 7 | 6.8% | 1 | 1.0% | 0 | 0.0% |
| - Cardiovascular disease | 1,075 | 546 | 50.8% | 421 | 39.2% | 104 | 9.7% | 4 | 0.4% | 0 | 0.0% |
| - Clinical cardiac electrophysiology | 149 | 77 | 51.7% | 55 | 36.9% | 16 | 10.7% | 1 | 0.7% | 0 | 0.0% |
| - Clinical informatics | 24 | 15 | 62.5% | 6 | 25.0% | 3 | 12.5% | 0 | 0.0% | 0 | 0.0% |
| - Critical care medicine | 182 | 56 | 30.8% | 90 | 49.5% | 34 | 18.7% | 2 | 1.1% | 0 | 0.0% |
| - Endocrinology, diabetes, and metabolism | 340 | 127 | 37.4% | 185 | 54.4% | 28 | 8.2% | 0 | 0.0% | 0 | 0.0% |
| - Gastroenterology | 607 | 367 | 60.5% | 170 | 28.0% | 69 | 11.4% | 1 | 0.2% | 0 | 0.0% |
| - Geriatric medicine | 295 | 104 | 35.3% | 162 | 54.9% | 29 | 9.8% | 0 | 0.0% | 0 | 0.0% |
| - Hematology and medical oncology | 626 | 375 | 59.9% | 211 | 33.7% | 39 | 6.2% | 1 | 0.2% | 0 | 0.0% |
| - Infectious disease | 385 | 166 | 43.1% | 169 | 43.9% | 48 | 12.5% | 2 | 0.5% | 0 | 0.0% |
| - Interventional cardiology | 362 | 145 | 40.1% | 185 | 51.1% | 32 | 8.8% | 0 | 0.0% | 0 | 0.0% |
| - Nephrology | 413 | 90 | 21.8% | 266 | 64.4% | 56 | 13.6% | 1 | 0.2% | 0 | 0.0% |
| - Medical oncology | 7 | 0 | 0.0% | 7 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pulmonary disease | 31 | 1 | 3.2% | 23 | 74.2% | 7 | 22.6% | 0 | 0.0% | 0 | 0.0% |
| - Pulmonary disease and critical care medicine | 738 | 367 | 49.7% | 282 | 38.2% | 89 | 12.1% | 0 | 0.0% | 0 | 0.0% |
| - Rheumatology | 274 | 126 | 46.0% | 105 | 38.3% | 43 | 15.7% | 0 | 0.0% | 0 | 0.0% |
| - Sleep medicine (multidisciplinary) | 198 | 83 | 41.9% | 86 | 43.4% | 28 | 14.1% | 1 | 0.5% | 0 | 0.0% |
| - Transplant hepatology | 49 | 35 | 71.4% | 11 | 22.4% | 1 | 2.0% | 2 | 4.1% | 0 | 0.0% |
| Medical genetics and genomics | 34 | 19 | 55.9% | 13 | 38.2% | 2 | 5.9% | 0 | 0.0% | 0 | 0.0% |
| - Medical biochemical genetics | 17 | 8 | 47.1% | 7 | 41.2% | 2 | 11.8% | 0 | 0.0% | 0 | 0.0% |
| - Molecular genetic pathology (multidisciplinary) | 58 | 30 | 51.7% | 27 | 46.6% | 1 | 1.7% | 0 | 0.0% | 0 | 0.0% |
| Neurological surgery | 220 | 189 | 85.9% | 19 | 8.6% | 11 | 5.0% | 1 | 0.5% | 0 | 0.0% |
| - Neuroendovascular intervention | 220 | 2 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |

TABLE D.6 Continued

Number of Graduating Residents by Specialty and Subspecialty and Medical School Type, 2021-2022 AY US LCME -Canadian US Medical Accredited International Medical School Osteopathic Medical School Medical School Medical School School Unknown Total % # % % % # % Specialty Graduates # # # 882 499 56.6% 272 30.8% 110 12.5% 0.1% 0.0% Neurology 1 0 - Clinical neurophysiology 154 67 43.5% 64 41.6% 1811.7% $\mathbf{5}$ 3.2% 0 0.0% - Epilepsy 15785 54.1% 56 35.7% 13 8.3% 3 1.9%0 0.0% - Neurocritical care (multidisciplinary) 13 3 23.1% 8 61.5% 2 15.4%0 0.0% 0 0.0% 2 50.0% 00.0%Neuroendovascular intervention 1 1 50.0% 0.0% 0 0 0.0% - Neurodevelopmental disabilities 4 100.0% 4 0 0.0% 0 0.0% 0 0.0% 0 0.0% Neuromuscular medicine 76 45 59.2% 2532.9% 56.6% 1 1.3% 0 0.0% Vascular neurology 156 67 42.9%69 44.2% 20 12.8% 0 0.0% 0 0.0% 101 Child neurology 142 71.1% 2719.0% 14 9.9% 0 0.0% 0 0.0% Nuclear medicine 38 6 15.8% 31 81.6% 1 2.6% 0 0.0% 0 0.0% Obstetrics and gynecology 1,427 1,089 76.3% 113 7.9% 225 15.8%0 0.0% 0 0.0%44 86.3% 5.9%4 0 0.0% 0 0.0% Female pelvic medicine and reconstructive surgery 513 7.8%73 90.4% 0 0.0% 6 66 8.2%1 1.4%0 0.0% Gynecologic oncology Maternal-fetal medicine 137 113 82.5% 15 10.9% 9 6.6%0 0.0% 0 0.0% Reproductive endocrinology and infertility 0.0% 56 5191.1%4 7.1%1 1.8%0 0 0.0%Complex family planning 24 21 87.5% 1 4.2% 9 8.3% 0 0.0% 0 0.0% 509 457 4.7%27 Ophthalmology 89.8% 24 5.3% 1 0.2% 0 0.0%100.0% 0.0% - Ophthalmic plastic and reconstructive surgery 3 3 0 0 0.0% 0 0.0% 0 0.0% 875 738 84.3% 1.6%123 14.1% 0 0.0% 0.0% Orthopaedic surgery 14 0 Adult reconstructive orthopaedics 5343 81.1% 4 7.5% 11.3% 0 0.0% 0 0.0% 6 3 Foot and ankle orthopaedics 16 13 81.3% 18.8% 0 0.0%0 0.0%0 0.0% 155 138 89.0% 8 5.2% 8 5.2% 0.6% 0.0% - Hand surgery 1 0 Musculoskeletal oncology 16 10 62.5% 4 25.0% 1 6.3% 1 6.3% 0 0.0%17.2% 915 15773.0% 18 8.4% 37 3 1.4% 0 0.0% Orthopaedic sports medicine 25 20.0% 3 0 0.0% 17 68.0% 512.0%0 0.0% Orthopaedic surgery of the spine 20 18 90.0% 1 5.0%0 0.0% 1 5.0% 0 0.0% Orthopaedic trauma Pediatric orthopaedics 37 23 62.2% 12 32.4%1 2.7%1 2.7% 0 0.0% Osteopathic neuromusculoskeletal medicine 48 3 6.3% 0 0.0% 45 93.8% 0 0.0% 0 0.0% 2 Otolaryngology - head and neck surgery 334311 93.1% 0.6%21 6.3% 0 0.0% 0 0.0%94.1% 0 0.0% 0 5.9%- Neurotology 17160.0%1 0 0.0% 4.7% Pediatric otolaryngology 43 30 69.8% 5 11.6% 6 14.0%2 0 0.0% Pathology-anatomic and clinical 625 279 44.6% 278 44.5% 68 10.9% 0 0.0% 0.0% 0 Blood banking/transfusion medicine 46 32 69.6% 1021.7% 3 6.5% 1 2.2% 0 0.0% Clinical informatics 11 9 81.8%1 9.1%1 9.1%0 0.0%0 0.0% - Chemical pathology 0 0.0%00.0% 0.0% 0 0.0% 0.0% 0 0 0 Cytopathology 124 40 32.3% 7258.1% 11 8.9% 1 0.8%0 0.0%39 17.2% 58 55.2% 16 27.6%100 0.0% 0 0.0% Forensic pathology 129 79 61.2% 0.8% Hematopathology 44 34.1% 53.9% 1 0 0.0% Medical microbiology 13 8 61.5% 4 30.8% 1 7.7% 0 0.0% 0 0.0% Neuropathology 251560.0%8 32.0%2 8.0% 0 0.0%0 0.0%Pediatric pathology 24 1145.8% 6 25.0% 4 16.7% 3 12.5% 0 0.0% 1.1% Selective pathology 1855730.8%11763.2% 9 4.9% 2 0 0.0% Pediatrics 3,085 1,904 61.7% 21.2% 17.1% 0 0.0% 0 653 5280.0% 34 76.5% 11.8% 11.8% 0 0.0% 0 0.0% - Adolescent medicine 26 4 4 - Child abuse pediatrics 19 12 63.2% 4 21.1% 3 15.8% 0 0.0% 0 0.0% 2 Clinical informatics 18 1688.9% 11.1% 0 0.0% 0 0.0%0 0.0% Developmental-behavioral pediatrics 41 27 65.9% 9 22.0% $\mathbf{5}$ 12.2% 0 0.0% 0.0% 0 Neonatal-perinatal medicine 25714958.0%70 27.2% 37 14.4% 1 0.4%0 0.0% 161 113 70.2% 23.0% 0 0.0% 0 0.0% Pediatric cardiology 37 11 6.8% 188 127 67.6% 23.4% 9.0% 0 0.0% 0 0.0% Pediatric critical care medicine 44 17 Pediatric emergency medicine 158 121 76.6% 1710.8% 20 12.7% 0 0.0% 0 0.0% Pediatric endocrinology 69 39 56.5% 2029.0%1014.5% 0 0.0%0 0.0%113 72 31 27.4% 0 0.0% 0.0% Pediatric gastroenterology 63.7% 10 8.8% 0 Pediatric hematology/oncology 170110 64.7% 39 22.9% 2112.4% 0 0.0% 0 0.0%

53

33

62.3%

12

22.6%

8

15.1%

0

0.0%

0

0.0%

Pediatric infectious diseases

| Number of Graduating Residents by Specialty and Subspecialty and Medical School Type, 2021-2022 AY | | | | | | | | | | | |
|--|-----------|---|--------|---------------------------------|-------|-------------------------------|-------|-------------------------------|-------|---------------------------------|------|
| Specialty | Total | US LCME - Accredited Medical School | | International Medical School | | Osteopathic Medical School | | Canadian Medical School | | US Medical School Unknown | |
| | Graduates | # | % | # | % | # | % | # | % | # | % |
| - Pediatric nephrology | 33 | 20 | 60.6% | 11 | 33.3% | 2 | 6.1% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric pulmonology | 64 | 33 | 51.6% | 21 | 32.8% | 10 | 15.6% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric rheumatology | 32 | 22 | 68.8% | 7 | 21.9% | 3 | 9.4% | 0 | 0.0% | 0 | 0.0% |
| - Sports medicine | 29 | 15 | 51.7% | 6 | 20.7% | 6 | 20.7% | 2 | 6.9% | 0 | 0.0% |
| - Pediatric transplant hepatology | 16 | 13 | 81.3% | 3 | 18.8% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric hospital medicine | 74 | 64 | 86.5% | 2 | 2.7% | 8 | 10.8% | 0 | 0.0% | 0 | 0.0% |
| Physical medicine and rehabilitation | 457 | 265 | 58.0% | 43 | 9.4% | 149 | 32.6% | 0 | 0.0% | 0 | 0.0% |
| - Brain injury medicine | 27 | 18 | 66.7% | 3 | 11.1% | 6 | 22.2% | 0 | 0.0% | 0 | 0.0% |
| - Neuromuscular medicine | 1 | 1 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Spinal cord injury medicine | 23 | 17 | 73.9% | 4 | 17.4% | 2 | 8.7% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric rehabilitation medicine | 14 | 8 | 57.1% | 3 | 21.4% | 3 | 21.4% | 0 | 0.0% | 0 | 0.0% |
| - Sports medicine | 40 | 23 | 57.5% | 4 | 10.0% | 12 | 30.0% | 1 | 2.5% | 0 | 0.0% |
| Plastic surgery | 66 | 43 | 65.2% | 18 | 27.3% | 5 | 7.6% | 0 | 0.0% | 0 | 0.0% |
| Plastic surgery - integrated | 159 | 145 | 91.2% | 12 | 7.5% | 2 | 1.3% | 0 | 0.0% | 0 | 0.0% |
| - Craniofacial surgery | 5 | 4 | 80.0% | 1 | 20.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Hand surgery | 25 | 17 | 68.0% | 3 | 12.0% | 1 | 4.0% | 4 | 16.0% | 0 | 0.0% |
| Public health and general preventive medicine | 91 | 60 | 65.9% | 22 | 24.2% | 9 | 9.9% | 0 | 0.0% | 0 | 0.0% |
| Aerospace medicine | 22 | 16 | 72.7% | 0 | 0.0% | 6 | 27.3% | 0 | 0.0% | 0 | 0.0% |
| Occupational and environmental medicine | 62 | 42 | 67.7% | 4 | 6.5% | 16 | 25.8% | 0 | 0.0% | 0 | 0.0% |
| - Undersea and hyperbaric medicine | 1 | 1 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Psychiatry | 1,494 | 949 | 63.5% | 293 | 19.6% | 252 | 16.9% | 0 | 0.0% | 0 | 0.0% |
| - Addiction medicine (multidisciplinary) | 174 | 101 | 58.0% | 42 | 24.1% | 30 | 17.2% | 1 | 0.6% | 0 | 0.0% |
| - Addiction psychiatry | 89 | 59 | 66.3% | 25 | 28.1% | 5 | 5.6% | 0 | 0.0% | 0 | 0.0% |
| - Child and adolescent psychiatry | 469 | 255 | 54.4% | 136 | 29.0% | 78 | 16.6% | 0 | 0.0% | 0 | 0.0% |
| - Forensic psychiatry | 90 | 63 | 70.0% | 13 | 14.4% | 14 | 15.6% | 0 | 0.0% | 0 | 0.0% |
| - Geriatric psychiatry | 58 | 29 | 50.0% | 20 | 34.5% | 9 | 15.5% | 0 | 0.0% | 0 | 0.0% |
| - Consultation-liaison psychiatry | 92 | 52 | 56.5% | 28 | 30.4% | 10 | 10.9% | 2 | 2.2% | 0 | 0.0% |
| Radiation oncology | 189 | 182 | 96.3% | 6 | 3.2% | 1 | 0.5% | 0 | 0.0% | 0 | 0.0% |
| Radiology-diagnostic | 1,103 | 816 | 74.0% | 146 | 13.2% | 141 | 12.8% | 0 | 0.0% | 0 | 0.0% |
| - Abdominal radiology | 50 | 23 | 46.0% | 21 | 42.0% | 4 | 8.0% | 2 | 4.0% | 0 | 0.0% |
| - Neuroendovascular intervention | 3 | 2 | 66.7% | 1 | 33.3% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| - Musculoskeletal radiology | 36 | 17 | 47.2% | 11 | 30.6% | 6 | 16.7% | 2 | 5.6% | 0 | 0.0% |
| - Neuroradiology | 297 | 183 | 61.6% | 87 | 29.3% | 26 | 8.8% | 1 | 0.3% | 0 | 0.0% |
| - Nuclear radiology | 15 | 6 | 40.0% | 8 | 53.3% | 1 | 6.7% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric radiology | 52 | 24 | 46.2% | 26 | 50.0% | 2 | 3.8% | 0 | 0.0% | 0 | 0.0% |
| Interventional radiology - independent | 184 | 130 | 70.7% | 37 | 20.1% | 16 | 8.7% | 1 | 0.5% | 0 | 0.0% |
| Interventional radiology - integrated | 90 | 82 | 91.1% | 0 | 0.0% | 8 | 8.9% | 0 | 0.0% | 0 | 0.0% |
| Surgery | 1,467 | 1,051 | 71.6% | 201 | 13.7% | 215 | 14.7% | 0 | 0.0% | 0 | 0.0% |
| - Complex general surgical oncology | 61 | 55 | 90.2% | 3 | 4.9% | 2 | 3.3% | 1 | 1.6% | 0 | 0.0% |
| - Hand surgery | 8 | 3 | 37.5% | 3 | 37.5% | 2 | 25.0% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric surgery | 41 | 33 | 80.5% | 7 | 17.1% | 1 | 2.4% | 0 | 0.0% | 0 | 0.0% |
| - Surgical critical care | 339 | 246 | 72.6% | 37 | 10.9% | 53 | 15.6% | 3 | 0.9% | 0 | 0.0% |
| - Vascular surgery | 129 | 90 | 69.8% | 19 | 14.7% | 20 | 15.5% | 0 | 0.0% | 0 | 0.0% |
| Vascular surgery - integrated | 63 | 56 | 88.9% | 6 | 9.5% | 1 | 1.6% | 0 | 0.0% | 0 | 0.0% |
| Thoracic surgery | 107 | 80 | 74.8% | 19 | 17.8% | 7 | 6.5% | 1 | 0.9% | 0 | 0.0% |
| - Congenital cardiac surgery | 13 | 9 | 69.2% | 3 | 23.1% | 1 | 7.7% | 0 | 0.0% | 0 | 0.0% |
| Thoracic surgery - integrated | 29 | 26 | 89.7% | 1 | 3.4% | 2 | 6.9% | 0 | 0.0% | 0 | 0.0% |
| Urology | 342 | 308 | 90.1% | 14 | 4.1% | 20 | 5.8% | 0 | 0.0% | 0 | 0.0% |
| - Female pelvic medicine and reconstructive surgery | 15 | 12 | 80.0% | 2 | 13.3% | 1 | 6.7% | 0 | 0.0% | 0 | 0.0% |
| - Pediatric urology | 12 | 11 | 91.7% | 0 | 0.0% | 1 | 8.3% | 0 | 0.0% | 0 | 0.0% |
| Transitional year | 1,769 | 1,101 | 62.2% | 166 | 9.4% | 502 | 28.4% | 0 | 0.0% | 0 | 0.0% |
| Internal medicine/Pediatrics | 377 | 306 | 81.2% | 28 | 7.4% | 43 | 11.4% | 0 | 0.0% | 0 | 0.0% |
| Health care administration, leadership, and management | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |

Abbreviations: AY, academic year; LCME, Liaison Committee on Medical Education.

TABLE D.7

Number of Graduating Residents and Graduate Concentration per 100,000 Population by State, 2021-2022 AY

| State Name | State Abbreviation | State Population - Census Estimate 2022 | Total Graduates | Percent of All Graduates | Graduates per 100,000 Pop |
|--------------------------------|--------------------|--|-----------------|-----------------------------|------------------------------|
| OVERALL | - | 336,509,346 | 49,681 | 100.0% | 14.76 |
| Alabama | AL | 5,074,296 | 574 | 1.2% | 11.31 |
| Alaska | AK | 733,583 | 13 | 0.0% | 1.77 |
| Arizona | AZ | 7,359,197 | 685 | 1.4% | 9.31 |
| Arkansas | AR | 3,045,637 | 357 | 0.7% | 11.72 |
| California | CA | 39,029,342 | 4,677 | 9.4% | 11.98 |
| Colorado | CO | 5,839,926 | 569 | 1.1% | 9.74 |
| Connecticut | CT | 3,626,205 | 845 | 1.7% | 23.30 |
| Delaware | DE | 1,018,396 | 133 | 0.3% | 13.06 |
| District of Columbia | DC | 671,803 | 549 | 1.1% | 81.72 |
| Florida | FL | 22,244,823 | 2,623 | 5.3% | 11.79 |
| Georgia | GA | 10,912,876 | 1,071 | 2.2% | 9.81 |
| Hawaii | HI | 1,440,196 | 149 | 0.3% | 10.35 |
| daho | ID | 1,939,033 | 59 | 0.1% | 3.04 |
| Illinois | IL | 12,582,032 | 2,290 | 4.6% | 18.20 |
| ndiana | IN | 6,833,037 | 535 | 1.1% | 7.83 |
| lowa | IA | 3,200,517 | 339 | 0.7% | 10.59 |
| Kansas | KS | 2,937,150 | 278 | 0.6% | 9.46 |
| Kentucky | KY | 4,512,310 | 483 | 1.0% | 10.70 |
| Louisiana | LA | 4,590,241 | 704 | 1.4% | 15.34 |
| Maine | ME | 1,385,340 | 117 | 0.2% | 8.45 |
| Maryland | MD | 6,164,660 | 1,147 | 2.3% | 18.61 |
| Massachusetts | MA | 6,981,974 | 2,173 | 4.4% | 31.12 |
| Michigan | MI | 10,034,113 | 2,432 | 4.9% | 24.24 |
| Minnesota | MN | 5,717,184 | 857 | 1.7% | 14.99 |
| Mississippi | MS | 2,940,057 | 267 | 0.5% | 9.08 |
| Missouri | MO | 6,177,957 | 1,051 | 2.1% | 17.01 |
| Montana | MT | 1,122,867 | 26 | 0.1% | 2.32 |
| Nebraska | NE | 1,967,923 | 267 | 0.5% | 13.57 |
| Nevada | NV | 3,177,772 | 286 | 0.6% | 9.00 |
| New Hampshire | NH | 1,395,231 | 143 | 0.3% | 10.25 |
| New Jersey | NJ | 9,261,699 | 1,262 | 2.5% | 13.63 |
| New Mexico | NM | 2,113,344 | 238 | 0.5% | 11.26 |
| New York | NY | 19,677,151 | 6,153 | 12.4% | 31.27 |
| North Carolina | NC | 10,698,973 | 1,376 | 2.8% | 12.86 |
| North Dakota | ND | 779,261 | 55 | 0.1% | 7.06 |
| Ohio | OH | 11,756,058 | 2,457 | 4.9% | 20.90 |
| Oklahoma | OK | 4,019,800 | 376 | 0.8% | 9.35 |
| Dregon | OR | 4,240,137 | 344 | 0.7% | 8.11 |
| Pennsylvania | PA | 12,972,008 | 3,175 | 6.4% | 24.48 |
| Puerto Rico | PR | 3,221,789 | 318 | 0.6% | 9.87 |
| Rhode Island | RI | 1,093,734 | 288 | 0.6% | 26.33 |
| | SC | | 548 | 1.1% | |
| South Carolina South Dakota | SD | 5,282,634 909,824 | 50 | 0.1% | 10.37 5.50 |
| | | | | | |
| Fennessee | TN | 7,051,339 30,029,572 | 873 | 1.8% | 12.38 |
| Texas | TX | | 3,235 | 6.5% | 10.77 |
| Utah | UT | 3,380,800 | 319 | 0.6% | 9.44 |
| Vermont | VT | 647,064 | 107 | 0.2% | 16.54 |
| Virginia | VA | 8,683,619 | 989 | 2.0% | 11.39 |
| Washington | WA | 7,785,786 | 785 | 1.6% | 10.08 |
| West Virginia | WV | 1,775,156 | 314 | 0.6% | 17.69 |
| Wisconsin | WI | 5,892,539 | 707 | 1.4% | 12.00 |

| a | | State Population - | Total Specialty | Percent of All | Specialty Graduates |
|----------------------|--------------------|----------------------|---------------------|---------------------|---------------------|
| State Name | State Abbreviation | Census Estimate 2022 | Graduates | Specialty Graduates | per 100,000 Pop |
| OVERALL | - | 336,509,346 | 35,327 | 100.0% | 10.50 |
| Alabama | AL | 5,074,296 | 428 | 1.2% | 8.43 |
| Alaska | AK | 733,583 | 12 | 0.0% | 1.64 |
| Arizona | AZ | 7,359,197 | 506 | 1.4% | 6.88 |
| Arkansas | AR | 3,045,637 | 289 | 0.8% | 9.49 |
| California | CA | 39,029,342 | 3,213 | 9.1% | 8.23 |
| Colorado | CO | 5,839,926 | 382 | 1.1% | 6.54 |
| Connecticut | CT | 3,626,205 | 574 | 1.6% | 15.83 |
| Delaware | DE | 1,018,396 | 102 | 0.3% | 10.02 |
| District of Columbia | DC | 671,803 | 366 | 1.0% | 54.48 |
| Florida | FL | 22,244,823 | 2,002 | 5.7% | 9.00 |
| Georgia | GA | 10,912,876 | 796 | 2.3% | 7.29 |
| Hawaii | HI | 1,440,196 | 130 | 0.4% | 9.03 |
| daho | ID | 1,939,033 | 55 | 0.2% | 2.84 |
| llinois | IL | 12,582,032 | 1,714 | 4.9% | 13.62 |
| Indiana | IN | 6,833,037 | 411 | 1.2% | 6.01 |
| lowa | IA | 3,200,517 | 243 | 0.7% | 7.59 |
| Kansas | KS | 2,937,150 | 210 | 0.6% | 7.15 |
| Kentucky | KY | 4,512,310 | 337 | 1.0% | 7.47 |
| Louisiana | LA | 4,590,241 | 529 | 1.5% | 11.52 |
| Maine | ME | 1,385,340 | 94 | 0.3% | 6.79 |
| Maryland | MD | 6,164,660 | 731 | 2.1% | 11.86 |
| Massachusetts | MA | 6,981,974 | 1,328 | 3.8% | 19.02 |
| Michigan | MI | 10,034,113 | 1,884 | 5.3% | 18.78 |
| Minnesota | MN | 5,717,184 | 538 | 1.5% | 9.41 |
| Mississippi | MS | 2,940,057 | 209 | 0.6% | 7.11 |
| Missouri | MO | 6,177,957 | 701 | 2.0% | 11.35 |
| Montana | MT | 1,122,867 | 25 | 0.1% | 2.23 |
| Nebraska | NE | 1,967,923 | 186 | 0.5% | 9.45 |
| Nevada | NV | 3,177,772 | 244 | 0.7% | 7.68 |
| New Hampshire | NH | 1,395,231 | 93 | 0.3% | 6.67 |
| New Jersey | NJ | 9,261,699 | 1,036 | 2.9% | 11.19 |
| New Mexico | NM | 2,113,344 | 1,050 | 0.5% | 7.62 |
| New York | NY | 19,677,151 | 4,364 | 12.4% | 22.18 |
| North Carolina | NC | 10,698,973 | 905 | 2.6% | 8.46 |
| North Dakota | ND | 779,261 | <u> </u> | 0.1% | 6.67 |
| Ohio | | 11,756,058 | | | 1 |
| | OH | | <u>1,704</u> 308 | 4.8% | 14.49 7.66 |
| Oklahoma | OK | 4,019,800 | | | 1 |
| Dregon | OR | 4,240,137 | 240 | 0.7% | 5.66 |
| Pennsylvania | PA | 12,972,008 | 2,173 | 6.2% | 16.75 |
| Puerto Rico | PR | 3,221,789 | 258 | 0.7% | 8.01 |
| Rhode Island | RI | 1,093,734 | 197 | 0.6% | 18.01 |
| South Carolina | SC | 5,282,634 | 400 | 1.1% | 7.57 |
| South Dakota | SD | 909,824 | 45 | 0.1% | 4.95 |
| Tennessee | TN | 7,051,339 | 587 | 1.7% | 8.32 |
| Texas | TX | 30,029,572 | 2,204 | 6.2% | 7.34 |
| Utah | UT | 3,380,800 | 200 | 0.6% | 5.92 |
| Vermont | VT | 647,064 | 74 | 0.2% | 11.44 |
| Virginia | VA | 8,683,619 | 746 | 2.1% | 8.59 |
| Washington | WA | 7,785,786 | 560 | 1.6% | 7.19 |
| West Virginia | WV | 1,775,156 | 255 | 0.7% | 14.36 |
| Wisconsin | WI | 5,892,539 | 513 | 1.5% | 8.71 |
| Wyoming | WY | 581,381 | 13 | 0.0% | 2.24 |

TABLE D.9

| State Name | State Abbreviation | State Population - Census Estimate 2022 | Total Subspecialty Graduates | Percent of All Subspecialty Graduates | Subspecialty Graduates per 100,000 Pop |
|----------------------|--------------------|--|---------------------------------|--|---|
| OVERALL | _ | 336,509,346 | 14,354 | 100.0% | 4.27 |
| Alabama | AL | 5,074,296 | 146 | 1.0% | 2.88 |
| Alaska | AK | 733,583 | 1 | 0.0% | 0.14 |
| Arizona | AZ | 7,359,197 | 179 | 1.2% | 2.43 |
| Arkansas | AR | 3,045,637 | 68 | 0.5% | 2.23 |
| California | CA | 39,029,342 | 1,464 | 10.2% | 3.75 |
| Colorado | CO | 5,839,926 | 1,101 | 1.3% | 3.20 |
| Connecticut | CT | 3,626,205 | 271 | 1.9% | 7.47 |
| Delaware | DE | 1,018,396 | 31 | 0.2% | 3.04 |
| District of Columbia | DE | 671,803 | 183 | 1.3% | 27.24 |
| Florida | FL | 22,244,823 | 621 | 4.3% | 2.79 |
| | GA | 10,912,876 | 275 | 1.9% | 2.79 |
| Georgia | | | | | |
| Hawaii | HI | 1,440,196 | 19 | 0.1% | 1.32 |
| Idaho | ID | 1,939,033 | 4 | 0.0% | 0.21 |
| Illinois | IL | 12,582,032 | 576 | 4.0% | 4.58 |
| Indiana | IN | 6,833,037 | 124 | 0.9% | 1.81 |
| Iowa | IA | 3,200,517 | 96 | 0.7% | 3.00 |
| Kansas | KS | 2,937,150 | 68 | 0.5% | 2.32 |
| Kentucky | KY | 4,512,310 | 146 | 1.0% | 3.24 |
| Louisiana | LA | 4,590,241 | 175 | 1.2% | 3.81 |
| Maine | ME | 1,385,340 | 23 | 0.2% | 1.66 |
| Maryland | MD | 6,164,660 | 416 | 2.9% | 6.75 |
| Massachusetts | MA | 6,981,974 | 845 | 5.9% | 12.10 |
| Michigan | MI | 10,034,113 | 548 | 3.8% | 5.46 |
| Minnesota | MN | 5,717,184 | 319 | 2.2% | 5.58 |
| Mississippi | MS | 2,940,057 | 58 | 0.4% | 1.97 |
| Missouri | MO | 6,177,957 | 350 | 2.4% | 5.67 |
| Montana | MT | 1,122,867 | 1 | 0.0% | 0.09 |
| Nebraska | NE | 1,967,923 | 81 | 0.6% | 4.12 |
| Nevada | NV | 3,177,772 | 42 | 0.3% | 1.32 |
| New Hampshire | NH | 1,395,231 | 50 | 0.3% | 3.58 |
| New Jersey | NJ | 9,261,699 | 226 | 1.6% | 2.44 |
| New Mexico | NM | 2,113,344 | 77 | 0.5% | 3.64 |
| New York | NY | 19,677,151 | 1,789 | 12.5% | 9.09 |
| North Carolina | NC | 10,698,973 | 471 | 3.3% | 4.40 |
| North Dakota | ND | 779,261 | 3 | 0.0% | 0.38 |
| Ohio | OH | 11,756,058 | 753 | 5.2% | 6.41 |
| Oklahoma | OK | 4,019,800 | 68 | 0.5% | 1.69 |
| | OR | 4,019,800 | 104 | 0.5% | 2.45 |
| Oregon | | | | | |
| Pennsylvania | PA | 12,972,008 | 1,002 | 7.0% | 7.72 |
| Puerto Rico | PR | 3,221,789 | 60 | 0.4% | 1.86 |
| Rhode Island | RI | 1,093,734 | 91 | 0.6% | 8.32 |
| South Carolina | SC | 5,282,634 | 148 | 1.0% | 2.80 |
| South Dakota | SD | 909,824 | 5 | 0.0% | 0.55 |
| Tennessee | TN | 7,051,339 | 286 | 2.0% | 4.06 |
| Texas | TX | 30,029,572 | 1,031 | 7.2% | 3.43 |
| Utah | UT | 3,380,800 | 119 | 0.8% | 3.52 |
| Vermont | VT | 647,064 | 33 | 0.2% | 5.10 |
| Virginia | VA | 8,683,619 | 243 | 1.7% | 2.80 |
| Washington | WA | 7,785,786 | 225 | 1.6% | 2.89 |
| West Virginia | WV | 1,775,156 | 59 | 0.4% | 3.32 |
| Wisconsin | WI | 5,892,539 | 194 | 1.4% | 3.29 |
| Wyoming | WY | 581,381 | 0 | 0.0% | 0.00 |

| | | State Population - | Total Pipeline | Percent of All | Pipeline Graduates |
|----------------------|--------------------|----------------------|----------------|--------------------|--------------------|
| State Name | State Abbreviation | Census Estimate 2022 | Graduates | Pipeline Graduates | per 100,000 Pop |
| OVERALL | - | 336,509,346 | 33,371 | 100.0% | 9.92 |
| Alabama | AL | 5,074,296 | 409 | 1.2% | 8.06 |
| Alaska | AK | 733,583 | 12 | 0.0% | 1.64 |
| Arizona | AZ | 7,359,197 | 469 | 1.4% | 6.37 |
| Arkansas | AR | 3,045,637 | 264 | 0.8% | 8.67 |
| California | CA | 39,029,342 | 3,044 | 9.1% | 7.80 |
| Colorado | CO | 5,839,926 | 367 | 1.1% | 6.28 |
| Connecticut | CT | 3,626,205 | 565 | 1.7% | 15.58 |
| Delaware | DE | 1,018,396 | 98 | 0.3% | 9.62 |
| District of Columbia | DC | 671,803 | 368 | 1.1% | 54.78 |
| Florida | FL | 22,244,823 | 1,815 | 5.4% | 8.16 |
| Georgia | GA | 10,912,876 | 693 | 2.1% | 6.35 |
| Hawaii | HI | 1,440,196 | 116 | 0.3% | 8.05 |
| Idaho | ID | 1,939,033 | 55 | 0.2% | 2.84 |
| Illinois | IL | 12,582,032 | 1,630 | 4.9% | 12.95 |
| Indiana | IN | 6,833,037 | 367 | 1.1% | 5.37 |
| lowa | IA | 3,200,517 | 234 | 0.7% | 7.31 |
| Kansas | KS | 2,937,150 | 209 | 0.6% | 7.12 |
| Kentucky | KY | 4,512,310 | 325 | 1.0% | 7.20 |
| Louisiana | LA | 4,590,241 | 518 | 1.6% | 11.28 |
| Maine | ME | 1,385,340 | 94 | 0.3% | 6.79 |
| Maryland | MD | 6,164,660 | 689 | 2.1% | 11.18 |
| Massachusetts | MA | 6,981,974 | 1,263 | 3.8% | 18.09 |
| Michigan | MI | 10,034,113 | 1,203 | 5.2% | 17.16 |
| Minnesota | MN | 5,717,184 | 510 | 1.5% | 8.92 |
| Mississippi | MS | 2,940,057 | 195 | 0.6% | 6.63 |
| Missouri | MO | 6,177,957 | 684 | 2.0% | 11.07 |
| Montana | MO | 1,122,867 | 25 | 0.1% | 2.23 |
| Nebraska | NE | 1,967,923 | 184 | 0.6% | 9.35 |
| Nevada | NV | 3,177,772 | 218 | 0.7% | 6.86 |
| New Hampshire | NH | 1,395,231 | 93 | 0.3% | 6.67 |
| <u>k</u> | | 9,261,699 | 961 | 2.9% | 10.38 |
| New Jersey | NJ | | | | 1 |
| New Mexico | NM | 2,113,344 | 156 | 0.5% | 7.38 |
| New York | NY | 19,677,151 | 4,188 | 12.5% | 21.28 |
| North Carolina | NC | 10,698,973 | 856 | 2.6% | 8.00 |
| North Dakota | ND | 779,261 | 47 | 0.1% | 6.03 |
| Ohio | OH | 11,756,058 | 1,616 | 4.8% | 13.75 |
| Oklahoma | OK | 4,019,800 | 304 | 0.9% | 7.56 |
| Dregon | OR | 4,240,137 | 242 | 0.7% | 5.71 |
| Pennsylvania | PA | 12,972,008 | 2,056 | 6.2% | 15.85 |
| Puerto Rico | PR | 3,221,789 | 219 | 0.7% | 6.80 |
| Rhode Island | RI | 1,093,734 | 197 | 0.6% | 18.01 |
| South Carolina | SC | 5,282,634 | 375 | 1.1% | 7.10 |
| South Dakota | SD | 909,824 | 39 | 0.1% | 4.29 |
| Tennessee | TN | 7,051,339 | 572 | 1.7% | 8.11 |
| Texas | TX | 30,029,572 | 2,111 | 6.3% | 7.03 |
| Jtah | UT | 3,380,800 | 189 | 0.6% | 5.59 |
| /ermont | VT | 647,064 | 76 | 0.2% | 11.75 |
| Virginia | VA | 8,683,619 | 691 | 2.1% | 7.96 |
| Washington | WA | 7,785,786 | 513 | 1.5% | 6.59 |
| West Virginia | WV | 1,775,156 | 241 | 0.7% | 13.58 |
| Wisconsin | WI | 5,892,539 | 474 | 1.4% | 8.04 |
| Wyoming | WY | 581,381 | 13 | 0.0% | 2.24 |

TABLE D.11

Number of Graduating Residents by State and Medical School Type, 2021-2022 AY

| | | | Medical School Type | | | | | | |
|---------------------------|-----------------------|--------------------|--------------------------------------|---------------------------------|-------------------------------|----------------------------|------------------------------|--|--|
| State Name | State Abbreviation | Total Graduates | US LCME-Accredited Medical School | International Medical School | Osteopathic Medical School | Canadian Medical School | US Medical School Unknowr | | |
| OVERALL | - | 49,681 | 28,719 | 12,344 | 8,528 | 89 | 1 | | |
| Alabama | AL | 574 | 364 | 136 | 73 | 1 | 0 | | |
| Alaska | AK | 13 | 7 | 0 | 6 | 0 | 0 | | |
| Arizona | AZ | 685 | 380 | 150 | 155 | 0 | 0 | | |
| Arkansas | AR | 357 | 177 | 136 | 44 | 0 | 0 | | |
| California | CA | 4,677 | 3,448 | 629 | 587 | 13 | 0 | | |
| Colorado | CO | 569 | 447 | 33 | 88 | 1 | 0 | | |
| Connecticut | CT | 845 | 449 | 309 | 85 | 2 | 0 | | |
| Delaware | DE | 133 | 52 | 26 | 54 | 1 | 0 | | |
| District of Columbia | DC | 549 | 343 | 166 | 39 | 1 | 0 | | |
| Florida | FL | 2,623 | 1,118 | 882 | 620 | 3 | 0 | | |
| Georgia | GA | 1,071 | 654 | 266 | 149 | 2 | 0 | | |
| Hawaii | HI | 149 | 90 | 23 | 36 | 0 | 0 | | |
| Idaho | ID | 59 | 32 | 10 | 17 | 0 | 0 | | |
| Illinois | IL | 2,290 | 1,295 | 612 | 381 | 2 | 0 | | |
| Indiana | IN | 535 | 333 | 85 | 117 | 0 | 0 | | |
| Iowa | IA | 339 | 181 | 90 | 67 | 1 | 0 | | |
| Kansas | KS | 278 | 165 | 43 | 70 | 0 | 0 | | |
| Kentucky | KY | 483 | 261 | 101 | 121 | 0 | 0 | | |
| Louisiana | LA | 704 | 414 | 229 | 61 | 0 | 0 | | |
| Maine | ME | 117 | 67 | 12 | 38 | 0 | 0 | | |
| | MD | 1,147 | 784 | 256 | 103 | 4 | 0 | | |
| Maryland Massachusetts | MD | 2,173 | 1,506 | 503 | 103 | 12 | 0 | | |
| | MA | | 995 | 763 | 673 | 12 | 0 | | |
| Michigan | | 2,432 | | 1763 | | 2 | 0 | | |
| Minnesota | MN | 857 | 604 | | 77 | | - | | |
| Mississippi | MS | 267 | 138 | 60 | 69 | 0 | 0 | | |
| Missouri | MO | 1,051 | 636 | 235 | 179 | 1 | 0 | | |
| Montana | MT | 26 | 14 | 0 | 11 | 1 | 0 | | |
| Nebraska | NE | 267 | 141 | 80 | 46 | 0 | 0 | | |
| Nevada | NV | 286 | 110 | 77 | 99 | 0 | 0 | | |
| New Hampshire | NH | 143 | 100 | 29 | 13 | 1 | 0 | | |
| New Jersey | NJ | 1,262 | 350 | 544 | 368 | 0 | 0 | | |
| New Mexico | NM | 238 | 143 | 52 | 43 | 0 | 0 | | |
| New York | NY | 6,153 | 2,928 | 2,419 | 785 | 21 | 0 | | |
| North Carolina | NC | 1,376 | 982 | 152 | 240 | 2 | 0 | | |
| North Dakota | ND | 55 | 21 | 29 | 5 | 0 | 0 | | |
| Ohio | OH | 2,457 | 1,277 | 556 | 623 | 1 | 0 | | |
| Oklahoma | OK | 376 | 138 | 57 | 180 | 1 | 0 | | |
| Oregon | OR | 344 | 236 | 48 | 60 | 0 | 0 | | |
| Pennsylvania | PA | 3,175 | 1,720 | 774 | 674 | 6 | 1 | | |
| Puerto Rico | PR | 318 | 199 | 119 | 0 | 0 | 0 | | |
| Rhode Island | RI | 288 | 205 | 54 | 29 | 0 | 0 | | |
| South Carolina | SC | 548 | 364 | 61 | 123 | 0 | 0 | | |
| South Dakota | SD | 50 | 26 | 11 | 13 | 0 | 0 | | |
| Tennessee | TN | 873 | 620 | 156 | 95 | 2 | 0 | | |
| Texas | TX | 3,235 | 2,062 | 701 | 468 | 4 | 0 | | |
| Utah | UT | 319 | 270 | 18 | 30 | 1 | 0 | | |
| Vermont | VT | 107 | 85 | 10 | 12 | 0 | 0 | | |
| Virginia | VA | 989 | 576 | 173 | 240 | 0 | 0 | | |
| Washington | WA | 785 | 606 | 59 | 118 | 2 | 0 | | |
| West Virginia | WV | 314 | 137 | 105 | 72 | 0 | 0 | | |
| Wisconsin | WI | 707 | 467 | 103 | 113 | 0 | 0 | | |
| | WY | 13 | 2 | 4 | 7 | 0 | 0 | | |

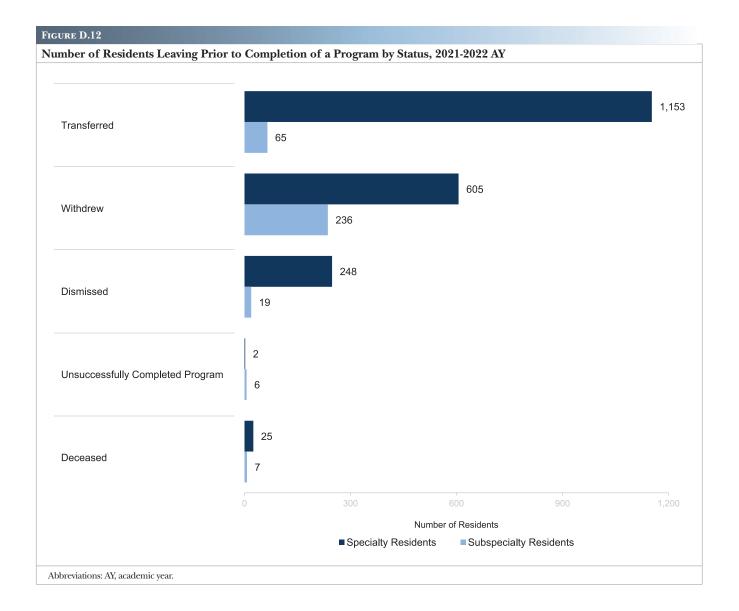


TABLE D.13

Number of Residents Leaving Prior to Completion of a Program by Specialty and Subspecialty and Status, 2021-2022 AY

| | | Resident Status | | | | | |
|---|--|-----------------|----------|-----------|--|----------|--|
| Specialty | Number of Residents Not Graduating | Transferred | Withdrew | Dismissed | Unsuccessfully Completed Program | Deceased | |
| OVERALL | 2,366 | 1,218 | 841 | 267 | 8 | 32 | |
| TOTAL PIPELINE | 2,006 | 1,144 | 592 | 244 | 2 | 24 | |
| Allergy and immunology | 1 | 0 | 0 | 1 | 0 | 0 | |
| Anesthesiology | 68 | 20 | 29 | 18 | 1 | 0 | |
| - Adult cardiothoracic anesthesiology | 3 | 0 | 3 | 0 | 0 | 0 | |
| - Critical care medicine | 1 | 0 | 1 | 0 | 0 | 0 | |
| - Regional anesthesiology and acute pain medicine | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Pediatric cardiac anesthesiology | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Obstetric anesthesiology | 3 | 0 | 2 | 0 | 1 | 0 | |
| | 7 | 0 | 7 | 0 | 0 | 0 | |
| - Pain medicine (multidisciplinary) | 4 | 0 | 3 | - | 0 | 0 | |
| - Pediatric anesthesiology | | - | | 1 | | | |
| Colon and rectal surgery | 0 | 0 | 0 | 0 | 0 | 0 | |
| Dermatology | 13 | 4 | 6 | 3 | 0 | 0 | |
| - Dermatopathology (multidisciplinary) | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Micrographic surgery and dermatologic oncology | 2 | 0 | 2 | 0 | 0 | 0 | |
| - Pediatric dermatology | 0 | 0 | 0 | 0 | 0 | 0 | |
| Emergency medicine | 96 | 49 | 31 | 14 | 0 | 2 | |
| - Emergency medical services | 4 | 0 | 3 | 1 | 0 | 0 | |
| - Medical toxicology | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Pediatric emergency medicine | 1 | 0 | 1 | 0 | 0 | 0 | |
| - Sports medicine | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Undersea and hyperbaric medicine | 0 | 0 | 0 | 0 | 0 | 0 | |
| Family medicine | 268 | 114 | 105 | 46 | 0 | 3 | |
| - Clinical informatics | 3 | 0 | 3 | 0 | 0 | 0 | |
| - Geriatric medicine | 3 | 0 | 3 | 0 | 0 | 0 | |
| - Hospice and palliative medicine (multidisciplinary) | 6 | 0 | 6 | 0 | 0 | 0 | |
| - Sports medicine | 3 | 0 | 2 | 0 | 1 | 0 | |
| Internal medicine | 300 | 134 | 106 | 51 | 0 | 9 | |
| - Adult congenital heart disease | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Advanced heart failure and transplant cardiology | 2 | 0 | 2 | 0 | 0 | 0 | |
| - Cardiovascular disease | 17 | 5 | 9 | 1 | 0 | 2 | |
| - Clinical cardiac electrophysiology | 3 | 0 | 3 | 0 | 0 | 0 | |
| - Clinical informatics | 1 | 0 | 1 | 0 | 0 | 0 | |
| - Critical care medicine | 7 | 5 | 2 | 0 | 0 | 0 | |
| - Endocrinology, diabetes, and metabolism | 3 | 2 | 1 | 0 | 0 | 0 | |
| - Gastroenterology | 3 | 1 | 2 | 0 | 0 | 0 | |
| - Geriatric medicine | 15 | 4 | 11 | 0 | 0 | 0 | |
| - Hematology and medical oncology | 10 | 0 | 6 | 3 | 0 | 1 | |
| - Infectious disease | 10 | 5 | 7 | 0 | 0 | 0 | |
| - Interventional cardiology | 12 | 0 | 0 | 1 | 0 | 0 | |
| - Nephrology | 24 | 4 | 20 | 0 | 0 | 0 | |
| - Medical oncology | 4 | 4 | 0 | 0 | 0 | 0 | |
| - Pulmonary disease | 4 | 4 | 0 | 0 | 0 | 0 | |
| - Pulmonary disease - Pulmonary disease and critical care medicine | 13 | 2 | 8 | 1 | 0 | 2 | |
| | 7 | 0 | 6 | 0 | 0 | | |
| - Rheumatology | | | | 1 | | 1 | |
| - Sleep medicine (multidisciplinary) | 3 | 0 | 2 | 0 | 1 | 0 | |
| - Transplant hepatology | 0 | 0 | 0 | 0 | 0 | 0 | |
| Medical genetics and genomics | 1 | 0 | 1 | 0 | 0 | 0 | |
| - Medical biochemical genetics | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Molecular genetic pathology (multidisciplinary) | 2 | 0 | 2 | 0 | 0 | 0 | |
| Neurological surgery | 21 | 8 | 10 | 3 | 0 | 0 | |
| - Neuroendovascular intervention | 0 | 0 | 0 | 0 | 0 | 0 | |

| | | Resident Status | | | | | |
|---|--|-----------------|----------|-----------|--|----------|--|
| Specialty | Number of Residents Not Graduating | Transferred | Withdrew | Dismissed | Unsuccessfully Completed Program | Deceased | |
| Neurology | 51 | 24 | 15 | 12 | 0 | 0 | |
| - Clinical neurophysiology | 3 | 1 | 13 | 1 | 0 | 0 | |
| - Epilepsy | 2 | 0 | 2 | 0 | 0 | 0 | |
| - Neurocritical care (multidisciplinary) | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Neuroendovascular intervention | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Neurodevelopmental disabilities | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Neuromuscular medicine | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Vascular neurology | 0 | 0 | 0 | 0 | 0 | 0 | |
| Child neurology | 8 | 1 | 6 | 1 | 0 | 0 | |
| Nuclear medicine | 3 | 3 | 0 | 0 | 0 | 0 | |
| Obstetrics and gynecology | 86 | 55 | 23 | 8 | 0 | 0 | |
| - Female pelvic medicine and reconstructive surgery | 1 | 0 | 1 | 0 | 0 | 0 | |
| - Gynecologic oncology | 3 | 1 | 2 | 0 | 0 | 0 | |
| Maternal-fetal medicine | 2 | 0 | 2 | 0 | 0 | 0 | |
| | 0 | 0 | 2 | 0 | 0 | 0 | |
| - Reproductive endocrinology and infertility | 2 | 0 | 0 | 0 | 0 | 0 | |
| - Complex family planning | | | | | - | | |
| Ophthalmology | 9 | 2 | 7 | 0 | 0 | 0 | |
| - Ophthalmic plastic and reconstructive surgery | 1 | 1 | 0 | 0 | 0 | 0 | |
| Orthopaedic surgery | 31 | 10 | 18 | 2 | 0 | 1 | |
| - Adult reconstructive orthopaedics | 0 | 0 | 0 | 0 | 0 | 0 | |
| Foot and ankle orthopaedics | 0 | 0 | 0 | 0 | 0 | 0 | |
| Hand surgery | 1 | 0 | 0 | 1 | 0 | 0 | |
| - Musculoskeletal oncology | 0 | 0 | 0 | 0 | 0 | 0 | |
| Orthopaedic sports medicine | 2 | 0 | 1 | 0 | 1 | 0 | |
| - Orthopaedic surgery of the spine | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Orthopaedic trauma | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Pediatric orthopaedics | 1 | 0 | 1 | 0 | 0 | 0 | |
| Osteopathic neuromusculoskeletal medicine | 2 | 1 | 1 | 0 | 0 | 0 | |
| Otolaryngology - head and neck surgery | 19 | 7 | 7 | 5 | 0 | 0 | |
| - Neurotology | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Pediatric otolaryngology | 0 | 0 | 0 | 0 | 0 | 0 | |
| Pathology-anatomic and clinical | 56 | 28 | 17 | 8 | 1 | 2 | |
| -Blood banking/transfusion medicine | 1 | 0 | 1 | 0 | 0 | 0 | |
| - Clinical informatics | 1 | 1 | 0 | 0 | 0 | 0 | |
| - Chemical pathology | 1 | 0 | 1 | 0 | 0 | 0 | |
| - Cytopathology | 1 | 0 | 0 | 1 | 0 | 0 | |
| - Forensic pathology | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Hematopathology | 1 | 0 | 1 | 0 | 0 | 0 | |
| Medical microbiology | 0 | 0 | 0 | 0 | 0 | 0 | |
| Neuropathology | 1 | 1 | 0 | 0 | 0 | 0 | |
| Pediatric pathology | 1 | 1 | 0 | 0 | 0 | 0 | |
| - Selective pathology | 5 | 0 | 5 | 0 | 0 | 0 | |
| Pediatrics | 106 | 55 | 37 | 13 | 0 | 1 | |
| - Adolescent medicine | 4 | 0 | 4 | 0 | 0 | 0 | |
| - Child abuse pediatrics | 1 | 1 | 0 | 0 | 0 | 0 | |
| Clinical informatics | 0 | 0 | 0 | 0 | 0 | 0 | |
| Developmental-behavioral pediatrics | 4 | 0 | 4 | 0 | 0 | 0 | |
| Neonatal-perinatal medicine | 12 | 3 | 9 | 0 | 0 | 0 | |
| Pediatric cardiology | 2 | 1 | 1 | 0 | 0 | 0 | |
| - Pediatric critical care medicine | 5 | 0 | 5 | 0 | 0 | 0 | |
| Pediatric emergency medicine | 4 | 0 | 3 | 0 | 0 | 1 | |
| - Pediatric endocrinology | 6 | 0 | 5 | 0 | 1 | 0 | |
| - Pediatric gastroenterology | 2 | 0 | 2 | 0 | 0 | 0 | |
| Pediatric hematology/oncology | 19 | 3 | 14 | 2 | 0 | 0 | |
| Pediatric infectious diseases | 6 | 1 | 5 | 0 | 0 | 0 | |

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| | | Resident Status | | | | | |
|--|--|-----------------|----------|-----------|--|----------|--|
| Specialty | Number of Residents Not Graduating | Transferred | Withdrew | Dismissed | Unsuccessfully Completed Program | Deceased | |
| - Pediatric nephrology | 3 | 2 | 1 | 0 | 0 | 0 | |
| - Pediatric pulmonology | 7 | 1 | 5 | 1 | 0 | 0 | |
| Pediatric rheumatology | 1 | 0 | 1 | 0 | 0 | 0 | |
| - Sports medicine | 0 | 0 | 0 | 0 | 0 | 0 | |
| Pediatric transplant hepatology | 0 | 0 | 0 | 0 | 0 | 0 | |
| Pediatric hospital medicine | 1 | 0 | 1 | 0 | 0 | 0 | |
| Physical medicine and rehabilitation | 10 | 5 | 5 | 0 | 0 | 0 | |
| - Brain injury medicine | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Neuromuscular medicine | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Spinal cord injury medicine | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Pediatric rehabilitation medicine | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Sports medicine | 0 | 0 | 0 | 0 | 0 | 0 | |
| Plastic surgery | 4 | 1 | 1 | 2 | 0 | 0 | |
| Plastic surgery - integrated | 6 | 1 | 5 | 0 | 0 | 0 | |
| | 0 | 0 | <u> </u> | 0 | 0 | 0 | |
| - Craniofacial surgery | 0 | 0 | 0 | - | 0 | 0 | |
| - Hand surgery Bublic books on discussion provention modified | - | 0 | | 0 | | | |
| Public health and general preventive medicine | 4 | - | 2 | 1 | 0 | 0 | |
| Aerospace medicine | 2 | 0 | 1 | 1 | 0 | 0 | |
| Occupational and environmental medicine | 2 | 0 | 2 | 0 | 0 | 0 | |
| - Undersea and hyperbaric medicine | 0 | 0 | 0 | 0 | 0 | 0 | |
| Psychiatry | 447 | 395 | 27 | 24 | 0 | 1 | |
| Addiction medicine (multidisciplinary) | 6 | 0 | 4 | 2 | 0 | 0 | |
| - Addiction psychiatry | 2 | 0 | 2 | 0 | 0 | 0 | |
| - Child and adolescent psychiatry | 29 | 11 | 16 | 1 | 1 | 0 | |
| - Forensic psychiatry | 1 | 0 | 1 | 0 | 0 | 0 | |
| - Geriatric psychiatry | 2 | 0 | 2 | 0 | 0 | 0 | |
| - Consultation-liaison psychiatry | 1 | 0 | 1 | 0 | 0 | 0 | |
| Radiation oncology | 17 | 10 | 4 | 2 | 0 | 1 | |
| Radiology-diagnostic | 58 | 42 | 12 | 3 | 0 | 1 | |
| - Abdominal radiology | 1 | 0 | 0 | 1 | 0 | 0 | |
| - Neuroendovascular intervention | 1 | 0 | 1 | 0 | 0 | 0 | |
| - Musculoskeletal radiology | 1 | 1 | 0 | 0 | 0 | 0 | |
| - Neuroradiology | 3 | 0 | 2 | 1 | 0 | 0 | |
| - Nuclear radiology | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Pediatric radiology | 1 | 0 | 1 | 0 | 0 | 0 | |
| Interventional radiology - independent | 3 | 0 | 3 | 0 | 0 | 0 | |
| Interventional radiology - integrated | 23 | 22 | 1 | 0 | 0 | 0 | |
| Surgery | 252 | 127 | 101 | 22 | 0 | 2 | |
| - Complex general surgical oncology | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Hand surgery | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Pediatric surgery | 0 | 0 | 0 | 0 | 0 | 0 | |
| - Surgical critical care | 4 | 0 | 4 | 0 | 0 | 0 | |
| | 3 | | 2 | 0 | 0 | | |
| - Vascular surgery | | 1 | | | | 0 | |
| Vascular surgery - integrated | 5 | 3 | 2 | 0 | 0 | 0 | |
| Thoracic surgery | 6 | 0 | 5 | 0 | 0 | 1 | |
| - Congenital cardiac surgery | 0 | 0 | 0 | 0 | 0 | 0 | |
| Thoracic surgery - integrated | 3 | 1 | 2 | 0 | 0 | 0 | |
| Urology | 21 | 13 | 4 | 3 | 0 | 1 | |
| - Female pelvic medicine and reconstructive surgery | 0 | 0 | 0 | 0 | 0 | 0 | |
| Pediatric urology | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transitional year | 23 | 9 | 11 | 3 | 0 | 0 | |
| Internal medicine/Pediatrics | 11 | 8 | 1 | 2 | 0 | 0 | |
| Health care administration, leadership, and management | 0 | 0 | 0 | 0 | 0 | 0 | |

| | Number of | | | I | Resident Yea | r | | |
|---|------------------------|-----|-----|-----|--------------|---|---|---|
| Specialty | Transferring Residents | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| OVERALL | 1,153 | 445 | 232 | 409 | 64 | 3 | | |
| Allergy and immunology | 0 | | | | | | | |
| Anesthesiology | 20 | 6 | 11 | 2 | 1 | | | |
| Colon and rectal surgery | 0 | | | | | | | |
| Dermatology | 4 | 4 | | | | | | |
| Emergency medicine | 49 | 31 | 15 | 3 | | | | |
| Family medicine | 114 | 84 | 28 | 2 | | | | |
| Internal medicine | 134 | 98 | 31 | 5 | | | | |
| Medical genetics and genomics | 0 | | | | | | | |
| Neurological surgery | 8 | 2 | 3 | 1 | | 2 | | 1 |
| Neurology | 24 | 12 | 7 | 5 | | | | 1 |
| Child neurology | 1 | 1 | | - | | | | 1 |
| Nuclear medicine | 3 | 3 | | | | | | 1 |
| Obstetrics and gynecology | 55 | 26 | 21 | 7 | 1 | | | |
| Ophthalmology | 2 | 2 | | | | | | |
| Orthopaedic surgery | 10 | 4 | 4 | 2 | | | | |
| Osteopathic neuromusculoskeletal medicine | 1 | 1 | | | | | | |
| Otolaryngology - head and neck surgery | 7 | 6 | 1 | | | | | |
| Pathology-anatomic and clinical | 28 | 11 | 14 | 3 | | | | |
| Pediatrics | 55 | 29 | 19 | 7 | | | | |
| Physical medicine and rehabilitation | 5 | 5 | | | | | | |
| Plastic surgery | 1 | 1 | | | | | | |
| Plastic Surgery - integrated | 1 | | | 1 | | | | |
| Public health and general preventive medicine | 1 | 1 | | | | | | - |
| Aerospace medicine | 0 | | | | | | | - |
| Occupational and environmental medicine | 0 | | | | | | | |
| Psychiatry | 395 | 33 | 12 | 318 | 32 | | | |
| Radiation oncology | 10 | 8 | 2 | | | | | |
| Radiology-diagnostic | 42 | 12 | 16 | 6 | 8 | | | |
| Interventional radiology - integrated | 22 | 2 | 4 | 11 | 5 | | | 1 |
| Surgery | 127 | 45 | 37 | 32 | 13 | | | 1 |
| Vascular surgery - integrated | 3 | 1 | | 1 | 1 | | | 1 |
| Thoracic surgery | 0 | | | | | | | 1 |
| Thoracic surgery - integrated | 1 | | | | 1 | | | 1 |
| Urology | 13 | 4 | 5 | 1 | 2 | 1 | | 1 |
| Transitional year | 9 | 9 | - | _ | | - | | + |
| Internal medicine/Pediatrics | 8 | 4 | 2 | 2 | | | | + |

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|----|----|----|-------------|----|
| | | | | |

| | | Subspe | cialized | |
|---|--------------------------|--------|----------|--|
| Specialty | Total Pipeline Graduates | # | % | |
| Total Pipeline | 33,371 | 10,585 | 31.7% | |
| Anesthesiology | 1,818 | 870 | 47.9% | |
| Dermatology | 526 | 106 | 20.2% | |
| Emergency medicine | 2,632 | 327 | 12.4% | |
| Family medicine | 4,659 | 431 | 9.3% | |
| Internal medicine | 9,322 | 3,879 | 41.6% | |
| Medical genetics and genomics | 34 | 10 | 29.4% | |
| Neurological surgery | 220 | 2 | 0.9% | |
| Neurology | 882 | 487 | 55.2% | |
| Child neurology | 142 | 67 | 47.2% | |
| Nuclear medicine | 38 | 5 | 13.2% | |
| Obstetrics and gynecology | 1,427 | 321 | 22.5% | |
| Ophthalmology | 509 | 2 | 0.4% | |
| Orthopaedic surgery | 875 | 425 | 48.6% | |
| Osteopathic neuromusculoskeletal medicine | 48 | 3 | 6.3% | |
| Otolaryngology - head and heck surgery | 334 | 45 | 13.5% | |
| Pathology-anatomic and clinical | 625 | 443 | 70.9% | |
| Pediatrics | 3,085 | 1,262 | 40.9% | |
| Physical medicine and rehabilitation | 457 | 224 | 49.0% | |
| Plastic surgery | 66 | 13 | 19.7% | |
| Plastic Surgery - integrated | 159 | 46 | 28.9% | |
| Public health and general preventive medicine | 91 | 9 | 9.9% | |
| Aerospace medicine | 22 | 0 | 0.0% | |
| Occupational and environmental medicine | 62 | 1 | 1.6% | |
| Psychiatry | 1,494 | 409 | 27.4% | |
| Radiation oncology | 189 | 0 | 0.0% | |
| Radiology-diagnostic | 1,103 | 356 | 32.3% | |
| Interventional radiology - independent | 184 | 1 | 0.5% | |
| Interventional radiology - integrated | 90 | 2 | 2.2% | |
| Surgery | 1,467 | 672 | 45.8% | |
| Vascular surgery - integrated | 63 | 2 | 3.2% | |
| Thoracic surgery - integrated | 29 | 3 | 10.3% | |
| Urology | 342 | 23 | 6.7% | |
| Internal medicine/Pediatrics | 377 | 139 | 36.9% | |

Sponsoring Institutions

This section describes characteristics of ACGME-accredited Sponsoring Institutions. It includes the distribution of accreditation status decisions, information on sponsor size, geographic location, institution type, and designated institutional official (DIO) changes that occurred throughout the 2022-2023 academic year.

Accredited Sponsors by Status

Of the 886 total ACGME-accredited Sponsoring Institutions, 116 (13.1%) are in the initial phase of accreditation, 741 (83.6%) have a status of Continued Accreditation, 13 (1.5%)have a status of Continued Accreditation with Warning, seven (0.8%) are on probation, and nine (1.0%) have a status of Withdrawal of Accreditation. Overall, there has been a 23.7% increase in number of sponsors since the 2013-2014 academic year (at that time the total number of Sponsoring Institutions was 716). Effective July 1, 2013, new policies required Sponsoring Institutions to become accredited prior to applying for program accreditation. Prior to that, the accreditation of the program and its Sponsoring Institution occurred simultaneously. This change, combined with Sponsoring Institutions seeking accreditation through the transition to a single GME accreditation system, has led to the upward trend in total accredited Sponsoring Institutions.

Distribution by Sponsor Size

Sponsoring Institutions with one program and those with two to five programs account for the majority of all Sponsoring Institutions (26.7% and 27.2%, respectively). The remaining Sponsoring Institutions with accredited programs all have more than five programs: 22.2% have between six and 25 programs; 11.1% have between 26 and 75 programs; 2.8% have between 76 and 100 programs; and 2.4% have more than 100 programs. There are 66 (7.4%) Sponsoring Institutions that currently do not have any accredited programs.

Geographic Distribution

There are ACGME-accredited Sponsoring Institutions in all 50 states, the District of Columbia, and Puerto Rico. The following states have the highest total number of Sponsoring Institutions:

- California (108)
- New York (68)
- Texas (59)
- Florida (56)

The following states have the highest total number of multi-program Sponsoring Institutions:

- California (61)
- New York (51)
- Florida (36)
- Texas (36)

Finally, the following states have the highest total number of single-program Sponsoring Institutions:

- California (38)
- Florida (16)
- Texas (14)
- New York (13)

Sponsors that do not yet have ACGME-accredited programs (66) are located in 27 states, with the highest number of these located in California and Texas, with nine recorded in each.

Distribution by Institution Type

The type of institution is self-reported by Sponsoring Institutions. Approximately half of Sponsoring Institutions with ACGME-accredited programs are General/Teaching Hospitals (348, 42.4%); the next largest group is Academic Medical Centers/Medical Schools, with 133 (16.2%) in this category. Though a much smaller percentage of total Sponsoring Institutions, Academic Medical Centers/Medical Schools account for 48.7% more programs and 33.5% more residents than General/Teaching Hospitals.

DIO Changes

Each year between 10% and 16% of Sponsoring Institutions have a change in leadership in the DIO role (excluding Sponsoring Institutions with no accredited programs and any Sponsoring Institutions newly accredited in the academic year). In the 2022-2023 academic year, 118 (14.5%) Sponsoring Institutions had a single DIO change, and 8 (1.0%) had more than one DIO change. \wedge

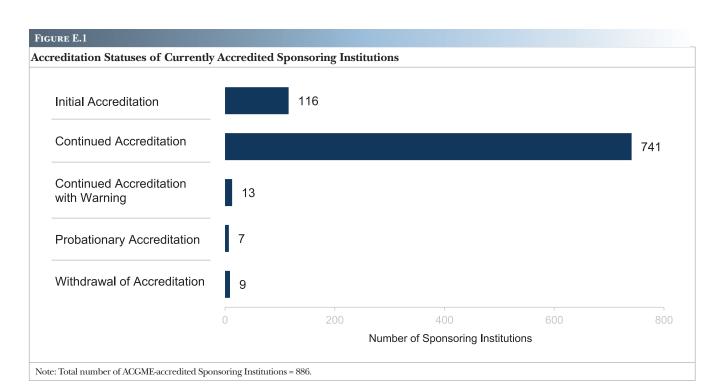
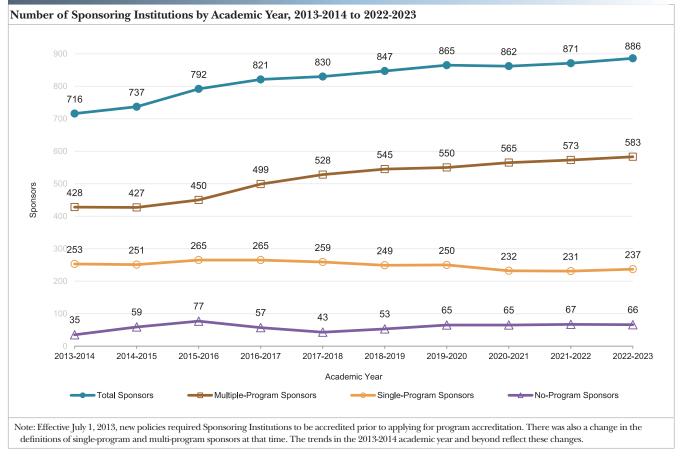


FIGURE E.2



| | Number of Sponsors | Percent of Total | | % (| of Total Spons | ors | |
|-----------------|-----------------------|---------------------|----|-----|----------------|-----|----|
| 0 Programs | 66 | 7.4% | | | | | |
| 1 Program | 237 | 26.7% | | | | | |
| 2-5 Programs | 241 | 27.2% | | | | | |
| 6-25 Programs | 197 | 22.2% | | | | | |
| 26-50 Programs | 50 | 5.6% | | | | | |
| 51-75 Programs | 49 | 5.5% | | | | | |
| 76-100 Programs | 25 | 2.8% | | | | | |
| > 100 Programs | 21 | 2.4% | | | | | |
| | | | 0% | 10% | 20% | 30% | 40 |

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Data Resource Book, Academic Year 2022-2023 121

| State Name | State Abbreviation | State Population - Census Estimate 2022 | Total Sponsors | Percent of All Sponsors | Sponsors per 100,000 Pop |
|----------------------|--------------------|--|----------------|-------------------------|--------------------------|
| OVERALL | - | 336,509,346 | 886 | 100.0% | 0.26 |
| Alabama | AL | 5,074,296 | 20 | 2.3% | 0.39 |
| Alaska | AK | 733,583 | 1 | 0.1% | 0.14 |
| Arizona | AZ | 7,359,197 | 15 | 1.7% | 0.20 |
| Arkansas | AR | 3,045,637 | 9 | 1.0% | 0.30 |
| California | CA | 39,029,342 | 108 | 12.2% | 0.28 |
| Colorado | CO | 5,839,926 | 11 | 1.2% | 0.19 |
| Connecticut | CT | 3,626,205 | 15 | 1.7% | 0.41 |
| Delaware | DE | 1,018,396 | 5 | 0.6% | 0.49 |
| District of Columbia | DC | 671,803 | 4 | 0.5% | 0.60 |
| Florida | FL | 22,244,823 | 56 | 6.3% | 0.25 |
| Georgia | GA | 10,912,876 | 28 | 3.2% | 0.26 |
| Hawaii | HI | 1,440,196 | 4 | 0.5% | 0.28 |
| Idaho | ID | 1,939,033 | 5 | 0.6% | 0.26 |
| Illinois | IL | 12,582,032 | 33 | 3.7% | 0.26 |
| Indiana | IN | 6,833,037 | 13 | 1.5% | 0.19 |
| Iowa | IA | 3,200,517 | 8 | 0.9% | 0.19 |
| Kansas | KS | 2,937,150 | 2 | 0.9% | 0.25 |
| | | | 9 | | 0.07 |
| Kentucky | LA KY | 4,512,310 | 15 | <u> </u> | 0.20 |
| Louisiana | | 4,590,241 | | | |
| Maine | ME | 1,385,340 | 4 | 0.5% | 0.29 |
| Maryland | MD | 6,164,660 | 17 | 1.9% | 0.28 |
| Massachusetts | MA | 6,981,974 | 27 | 3.0% | 0.39 |
| Michigan | MI | 10,034,113 | 37 | 4.2% | 0.37 |
| Minnesota | MN | 5,717,184 | 9 | 1.0% | 0.16 |
| Mississippi | MS | 2,940,057 | 11 | 1.2% | 0.37 |
| Missouri | MO | 6,177,957 | 14 | 1.6% | 0.23 |
| Montana | MT | 1,122,867 | 3 | 0.3% | 0.27 |
| Nebraska | NE | 1,967,923 | 4 | 0.5% | 0.20 |
| Nevada | NV | 3,177,772 | 7 | 0.8% | 0.22 |
| New Hampshire | NH | 1,395,231 | 5 | 0.6% | 0.36 |
| New Jersey | NJ | 9,261,699 | 20 | 2.3% | 0.22 |
| New Mexico | NM | 2,113,344 | 7 | 0.8% | 0.33 |
| New York | NY | 19,677,151 | 68 | 7.7% | 0.35 |
| North Carolina | NC | 10,698,973 | 17 | 1.9% | 0.16 |
| North Dakota | ND | 779,261 | 2 | 0.2% | 0.26 |
| Ohio | OH | 11,756,058 | 45 | 5.1% | 0.38 |
| Oklahoma | OK | 4,019,800 | 8 | 0.9% | 0.20 |
| Oregon | OR | 4,240,137 | 4 | 0.5% | 0.09 |
| Pennsylvania | PA | 12,972,008 | 44 | 5.0% | 0.34 |
| Puerto Rico | PR | 3,221,789 | 13 | 1.5% | 0.40 |
| Rhode Island | RI | 1,093,734 | 5 | 0.6% | 0.46 |
| South Carolina | SC | 5,282,634 | 12 | 1.4% | 0.23 |
| South Dakota | SD | 909,824 | 3 | 0.3% | 0.33 |
| Tennessee | TN | 7,051,339 | 14 | 1.6% | 0.20 |
| Texas | TX | 30,029,572 | 59 | 6.7% | 0.20 |
| Utah | UT | 3,380,800 | 6 | 0.7% | 0.18 |
| Vermont | VT | 647,064 | 1 | 0.1% | 0.15 |
| Virginia | VA | 8,683,619 | 20 | 2.3% | 0.23 |
| Washington | WA | 7,785,786 | 20 | 2.3% | 0.26 |
| West Virginia | WV | 1,775,156 | 8 | 0.9% | 0.45 |
| Wisconsin | WI | 5,892,539 | 10 | 1.1% | 0.13 |
| Wyoming | WY | 581,381 | 10 | 0.1% | 0.17 |

Number of Multiple-Program Sponsoring Institutions and Multiple-Program Sponsoring Institution Concentration per 100,000 Population by State

| State Name | State Abbreviation | State Population - Census Estimate 2022 | Total Multiple-Program Sponsors | Percent of All Multiple- Program Sponsors | Multiple-Program Sponsors per 100,000 Pop |
|------------------------|--------------------|--|------------------------------------|--|--|
| OVERALL | - | 336,509,346 | 583 | 100.0% | 0.17 |
| Alabama | AL | 5,074,296 | 10 | 1.7% | 0.20 |
| Alaska | AK | 733,583 | 1 | 0.2% | 0.14 |
| Arizona | AZ | 7,359,197 | 11 | 1.9% | 0.15 |
| Arkansas | AR | 3,045,637 | 6 | 1.0% | 0.20 |
| California | CA | 39,029,342 | 61 | 10.5% | 0.16 |
| Colorado | СО | 5,839,926 | 7 | 1.2% | 0.12 |
| Connecticut | CT | 3,626,205 | 12 | 2.1% | 0.33 |
| Delaware | DE | 1,018,396 | 2 | 0.3% | 0.20 |
| District of Columbia | DC | 671,803 | 4 | 0.7% | 0.60 |
| Florida | FL | 22,244,823 | 36 | 6.2% | 0.16 |
| Georgia | GA | 10,912,876 | 17 | 2.9% | 0.16 |
| Hawaii | HI | 1,440,196 | 2 | 0.3% | 0.14 |
| Idaho | ID | 1,939,033 | 3 | 0.5% | 0.15 |
| Illinois | IL | 12,582,032 | 20 | 3.4% | 0.16 |
| Indiana | IN | 6,833,037 | 7 | 1.2% | 0.10 |
| Iowa | IA | 3,200,517 | 5 | 0.9% | 0.16 |
| Kansas | KS | 2,937,150 | 2 | 0.3% | 0.07 |
| Kentucky | KY | 4,512,310 | 4 | 0.7% | 0.09 |
| Louisiana | LA | 4,590,241 | 7 | 1.2% | 0.15 |
| Maine | ME | 1,385,340 | 3 | 0.5% | 0.22 |
| Maryland | MD | 6,164,660 | 13 | 2.2% | 0.21 |
| Massachusetts | MA | 6,981,974 | 18 | 3.1% | 0.26 |
| Michigan | MI | 10,034,113 | 30 | 5.1% | 0.30 |
| Minnesota | MN | 5,717,184 | 5 | 0.9% | 0.09 |
| Mississippi | MS | 2,940,057 | 5 | 0.9% | 0.17 |
| Missouri | MO | 6,177,957 | 9 | 1.5% | 0.15 |
| Montana | MO | 1,122,867 | 1 | 0.2% | 0.09 |
| Nebraska | NE | 1,967,923 | 2 | 0.2% | 0.10 |
| Nevada | NV | 3,177,772 | 5 | 0.9% | 0.16 |
| New Hampshire | NH | 1,395,231 | 2 | 0.3% | 0.14 |
| New Jersey | NI | 9,261,699 | 16 | 2.7% | 0.14 |
| New Mexico | NM | 2,113,344 | 2 | 0.3% | 0.09 |
| New York | NY | 19,677,151 | 51 | 8.7% | 0.09 |
| North Carolina | NC | 10,698,973 | 15 | 2.6% | 0.20 |
| North Dakota | ND | 779,261 | 2 | 0.3% | 0.14 |
| Ohio | OH | 11,756,058 | 33 | 5.7% | 0.20 |
| Oklahoma | OK | 4,019,800 | <u> </u> | 1.0% | 0.28 |
| | OR | 4,019,800 | 4 | 0.7% | 0.13 |
| Oregon Pennsylvania | PA | 12,972,008 | 32 | 5.5% | 0.09 |
| / | PR | 3,221,789 | 8 | | 0.25 |
| Puerto Rico | | | | 1.4% | |
| Rhode Island | RI | 1,093,734 | 5 | 0.9% | 0.46 |
| South Carolina | SC | 5,282,634 | 8 | 1.4% | 0.15 |
| South Dakota | SD | 909,824 | 2 | 0.3% | 0.22 |
| Tennessee | TN | 7,051,339 | 9 | 1.5% | 0.13 |
| Texas | TX | 30,029,572 | 36 | 6.2% | 0.12 |
| Utah | UT | 3,380,800 | 3 | 0.5% | 0.09 |
| Vermont | VT | 647,064 | 1 | 0.2% | 0.15 |
| Virginia | VA | 8,683,619 | 14 | 2.4% | 0.16 |
| Washington | WA | 7,785,786 | 12 | 2.1% | 0.15 |
| West Virginia | WV | 1,775,156 | 5 | 0.9% | 0.28 |
| Wisconsin | WI | 5,892,539 | 8 | 1.4% | 0.14 |
| Wyoming | WY | 581,381 | 1 | 0.2% | 0.17 |

Number of Single-Program Sponsoring Institutions and Single-Program Sponsoring Institution Concentration per 100,000 Population by State

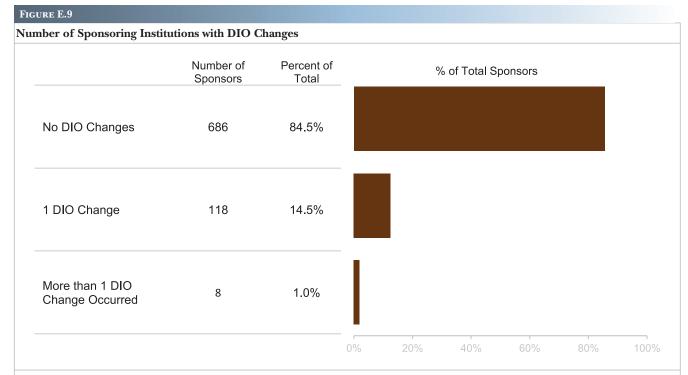
| State Name | State Abbreviation | State Population - Census Estimate 2022 | Total Single-Program Sponsors | Percent of All Sponsors | Single-Program Sponsor per 100,000 Pop |
|----------------------|--------------------|--|----------------------------------|-------------------------|---|
| OVERALL | - | 336,509,346 | 237 | 100.0% | 0.07 |
| Alabama | AL | 5,074,296 | 6 | 2.5% | 0.12 |
| Alaska | AK | 733,583 | 0 | 0.0% | 0.00 |
| Arizona | AZ | 7,359,197 | 2 | 0.8% | 0.03 |
| Arkansas | AR | 3,045,637 | 3 | 1.3% | 0.10 |
| California | CA | 39,029,342 | 38 | 16.0% | 0.10 |
| Colorado | СО | 5,839,926 | 3 | 1.3% | 0.05 |
| Connecticut | CT | 3,626,205 | 3 | 1.3% | 0.08 |
| Delaware | DE | 1,018,396 | 3 | 1.3% | 0.29 |
| District of Columbia | DC | 671,803 | 0 | 0.0% | 0.00 |
| Florida | FL | 22,244,823 | 16 | 6.8% | 0.07 |
| Georgia | GA | 10,912,876 | 10 | 4.2% | 0.09 |
| Hawaii | HI | 1,440,196 | 2 | 0.8% | 0.14 |
| Idaho | ID | 1,939,033 | 1 | 0.4% | 0.05 |
| Illinois | IL | 12,582,032 | 10 | 4.2% | 0.08 |
| Indiana | IN | 6,833,037 | 4 | 1.2% | 0.06 |
| Iowa | IA | 3,200,517 | 3 | 1.3% | 0.09 |
| Kansas | KS | 2,937,150 | 0 | 0.0% | 0.00 |
| Kentucky | KY | 4,512,310 | 3 | 1.3% | 0.00 |
| Louisiana | LA | 4,590,241 | 5 | 2.1% | 0.07 |
| Maine | ME | 1,385,340 | 1 | 0.4% | 0.07 |
| | | | 3 | | |
| Maryland | MD | 6,164,660 | | 1.3% | 0.05 |
| Massachusetts | MA | 6,981,974 | 8 7 | 3.4% | 0.11 |
| Michigan | MI | 10,034,113 | | 3.0% | 0.07 |
| Minnesota | MN | 5,717,184 | 3 | 1.3% | 0.05 |
| Mississippi | MS | 2,940,057 | 6 | 2.5% | 0.20 |
| Missouri | MO | 6,177,957 | 5 | 2.1% | 0.08 |
| Montana | MT | 1,122,867 | 2 | 0.8% | 0.18 |
| Nebraska | NE | 1,967,923 | 2 | 0.8% | 0.10 |
| Nevada | NV | 3,177,772 | 2 | 0.8% | 0.06 |
| New Hampshire | NH | 1,395,231 | 2 | 0.8% | 0.14 |
| New Jersey | NJ | 9,261,699 | 2 | 0.8% | 0.02 |
| New Mexico | NM | 2,113,344 | 2 | 0.8% | 0.09 |
| New York | NY | 19,677,151 | 13 | 5.5% | 0.07 |
| North Carolina | NC | 10,698,973 | 2 | 0.8% | 0.02 |
| North Dakota | ND | 779,261 | 0 | 0.0% | 0.00 |
| Ohio | OH | 11,756,058 | 8 | 3.4% | 0.07 |
| Oklahoma | OK | 4,019,800 | 2 | 0.8% | 0.05 |
| Oregon | OR | 4,240,137 | 0 | 0.0% | 0.00 |
| Pennsylvania | PA | 12,972,008 | 10 | 4.2% | 0.08 |
| Puerto Rico | PR | 3,221,789 | 4 | 1.7% | 0.12 |
| Rhode Island | RI | 1,093,734 | 0 | 0.0% | 0.00 |
| South Carolina | SC | 5,282,634 | 3 | 1.3% | 0.06 |
| South Dakota | SD | 909,824 | 1 | 0.4% | 0.11 |
| Tennessee | TN | 7,051,339 | 4 | 1.7% | 0.06 |
| Texas | TX | 30,029,572 | 14 | 5.9% | 0.05 |
| Utah | UT | 3,380,800 | 2 | 0.8% | 0.06 |
| Vermont | VT | 647,064 | 0 | 0.0% | 0.00 |
| Virginia | VA | 8,683,619 | 5 | 2.1% | 0.06 |
| Washington | WA | 7,785,786 | 8 | 3.4% | 0.10 |
| West Virginia | WV | 1,775,156 | 3 | 1.3% | 0.17 |
| Wisconsin | WI | 5,892,539 | 1 | 0.4% | 0.02 |
| Wyoming | WY | 581,381 | 0 | 0.0% | 0.00 |

Number of No-Program Sponsoring Institutions and No-Program Sponsoring Institution Concentration per 100,000 Population by State

| State Name | State Abbreviation | State Population - Census Estimate 2022 | No-Program Sponsors | Percent of All No-Program Sponsors | No-Program Sponsors pe 100,000 Pop |
|----------------------|--------------------|--|---------------------|---------------------------------------|---------------------------------------|
| OVERALL | - | 336,509,346 | 66 | 100.0% | 0.02 |
| Alabama | AL | 5,074,296 | 4 | 6.1% | 0.08 |
| Alaska | AK | 733,583 | 0 | 0.0% | 0.00 |
| Arizona | AZ | 7,359,197 | 2 | 3.0% | 0.03 |
| Arkansas | AR | 3,045,637 | 0 | 0.0% | 0.00 |
| California | CA | 39,029,342 | 9 | 13.6% | 0.02 |
| Colorado | CO | 5,839,926 | 1 | 1.5% | 0.02 |
| Connecticut | CT | 3,626,205 | 0 | 0.0% | 0.00 |
| Delaware | DE | 1,018,396 | 0 | 0.0% | 0.00 |
| District of Columbia | DC | 671,803 | 0 | 0.0% | 0.00 |
| Florida | FL | 22,244,823 | 4 | 6.1% | 0.02 |
| Georgia | GA | 10,912,876 | 1 | 1.5% | 0.01 |
| Hawaii | HI | 1,440,196 | 0 | 0.0% | 0.00 |
| Idaho | ID | 1,939,033 | 1 | 1.5% | 0.05 |
| Illinois | IL | 12,582,032 | 3 | 4.5% | 0.02 |
| Indiana | IN | 6,833,037 | 2 | 3.0% | 0.03 |
| Iowa | IA | 3,200,517 | 0 | 0.0% | 0.00 |
| Kansas | KS | 2,937,150 | 0 | 0.0% | 0.00 |
| Kentucky | KY | 4,512,310 | 2 | 3.0% | 0.04 |
| Louisiana | LA | 4,590,241 | 3 | 4.5% | 0.07 |
| Maine | ME | 1,385,340 | 0 | 0.0% | 0.00 |
| Maryland | MD | 6,164,660 | 1 | 1.5% | 0.00 |
| Massachusetts | MA | 6,981,974 | 1 | 1.5% | 0.02 |
| Michigan | MI | 10,034,113 | 0 | 0.0% | 0.00 |
| Minnesota | MN | 5,717,184 | 1 | 1.5% | 0.00 |
| Mississippi | MIN | 2,940,057 | 0 | 0.0% | 0.02 |
| Missouri | MO | 6,177,957 | 0 | 0.0% | 0.00 |
| Montana | MT | 1,122,867 | 0 | 0.0% | 0.00 |
| Nebraska | NE | 1,967,923 | 0 | 0.0% | 0.00 |
| Nevada | NV | 3,177,772 | 0 | 0.0% | 0.00 |
| New Hampshire | NH | 1,395,231 | 0 | 1.5% | 0.00 |
| New Jersey | | 9,261,699 | 2 | 3.0% | 0.07 |
| New Mexico | NJ | | 3 | | |
| | NM NY | 2,113,344 | 4 | 4.5% 6.1% | 0.14 0.02 |
| New York | | 19,677,151 | 4 0 | | |
| North Carolina | NC | 10,698,973 | | 0.0% | 0.00 |
| North Dakota Ohio | ND OH | 779,261 | 0 | 0.0% | 0.00 |
| | OK | 11,756,058 | 4 0 | 6.1% | 0.03 |
| Oklahoma | | 4,019,800 | | 0.0% | |
| Oregon | OR PA | 4,240,137 12,972,008 | 0 | 0.0% | 0.00 0.02 |
| Pennsylvania | PA PR | 7 7 | 2 | 3.0% | 0.02 |
| Puerto Rico | | 3,221,789 | 1 | 1.5% | |
| Rhode Island | RI | 1,093,734 | 0 | 0.0% | 0.00 |
| South Carolina | SC | 5,282,634 | 1 | 1.5% | 0.02 |
| South Dakota | SD | 909,824 | 0 | 0.0% | 0.00 |
| Tennessee | TN | 7,051,339 | 1 | 1.5% | 0.01 |
| Texas | TX | 30,029,572 | 9 | 13.6% | 0.03 |
| Utah | UT | 3,380,800 | 1 | 1.5% | 0.03 |
| Vermont | VT | 647,064 | 0 | 0.0% | 0.00 |
| Virginia | VA | 8,683,619 | 1 | 1.5% | 0.01 |
| Washington | WA | 7,785,786 | 0 | 0.0% | 0.00 |
| West Virginia | WV | 1,775,156 | 0 | 0.0% | 0.00 |
| Wisconsin | WI | 5,892,539 | 1 | 1.5% | 0.02 |
| Wyoming | WY | 581,381 | 0 | 0.0% | 0.00 |

FIGURE E.8

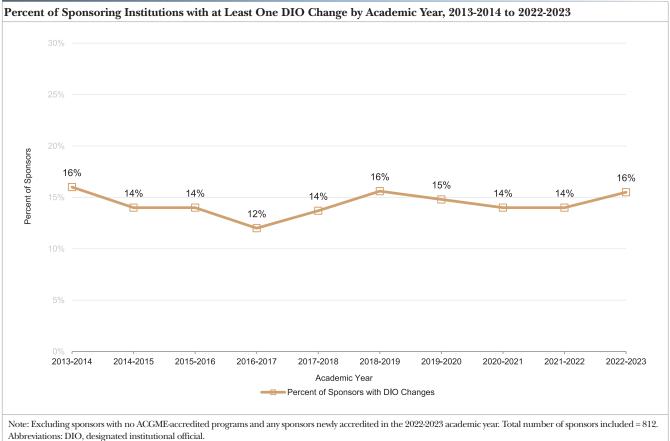
| | Number of Programs | Number of Residents | Number of Sponsors | | Numb | per of Sponsor | S |
|---|-----------------------|---------------------|-----------------------|-------|------|----------------|----|
| General/Teaching Hospital | 4,198 | 53,981 | 348 | | | | |
| Academic Medical Center/Medical School | 6,243 | 72,086 | 133 | | | | |
| Community Hospital | 285 | 3,973 | 98 | | | | |
| Consortium | 1,115 | 14,889 | 66 | | | | |
| Other | 291 | 3,642 | 46 | | | | |
| Federally Qualified Health Center | 50 | 664 | 29 | | | | |
| Ambulatory Care Clinic/Office | 46 | 357 | 23 | | | | |
| Specialty Hospital | 124 | 880 | 22 | | | | |
| Independent Academic Medical Center | 389 | 4,597 | 19 | | | | |
| Pathology Lab / Medical Examiner's Office | 19 | 31 | 18 | | | | |
| Children's Hospital | 297 | 2,865 | 17 | | | | |
| Veterans Administration | 9 | 114 | 1 | | | | |
| Total | 13,066 | 158,079 | 820 | 0 100 | 200 | 300 | 4(|



Notes: Excluding sponsors with no ACGME-accredited programs and any sponsors newly accredited in the 2022-2023 academic year. Total number of sponsors included = 812. Percentages may not add to 100% due to rounding.

Abbreviations: DIO, designated institutional official.





Sponsoring Institutions

Participating Sites

This section includes information and trends on the number of unique participating sites to which residents rotate. The total and average number of sites used by programs in each specialty and subspecialty are also reported.

Distribution by Institution Type

There was a total of 9,242 unique participating sites to which residents rotated during the 2022-2023 academic year. The highest number of sites were in the following categories:

- Ambulatory Care Clinic/Office (3,623)
- General/Teaching Hospital (1,726)
- Other (1,275)

Since the 2013-2014 academic year, there has been a 97.2% increase in the total number of sites listed by programs as places of rotation. This increase is primarily driven by increases in the following institution type groupings during that time:

- Ambulatory Care Clinic/FQHC (225.0% increase)
- Other (81.0% increase)
- General Teaching/Community Hospital (50.0% increase)

The number of Academic Medical Centers listed as participating sites also increased by 48.2%. With only 209 unique sites in this category in the 2022-2023 academic year, however, this change had a relatively small impact on the overall increase in participating sites.

Number of Sites per Program

Overall, the average number of participating sites listed per program is 3.2. Among pipeline specialty programs, the average number of participating sites per program is 4.2. The pipeline specialties with the highest average number of participating sites include:

- Aerospace medicine (7.8)
- Occupational and environmental medicine (6.9)
- Orthopaedic surgery (5.7)
- Physical medicine and rehabilitation (5.7)
- Plastic surgery integrated (5.7)
- Public health and general preventive medicine (5.7)
- Psychiatry (5.7)

The pipeline specialties with the highest maximum number of participating sites per program include:

- Family medicine (33)
- Occupational and environmental medicine (20)
- Internal medicine (20)

The subspecialty with the highest average number of participating sites per program is the surgical subspecialty of hand surgery at 8.0. The psychiatry subspecialty of child and adolescent psychiatry has the highest maximum number of participating sites per program at 17.

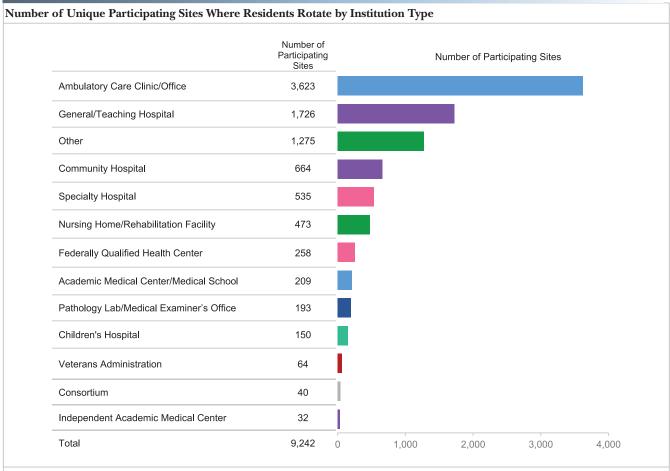
Number of Sites by Specialty and Subspecialty

The specialties with the highest number of unique participating sites to which residents rotate include:

- Family medicine (2,742)
- Internal medicine (1,788)
- Psychiatry (1,500)

Sponsoring Institutions account for 6.0% of all participating sites with 552 listed as participating sites to which residents rotate. \wedge

FIGURE F.1



Notes: Bar color denotes institution type groupings. See Appendix C for complete list of institution type groups.

FIGURE F.2

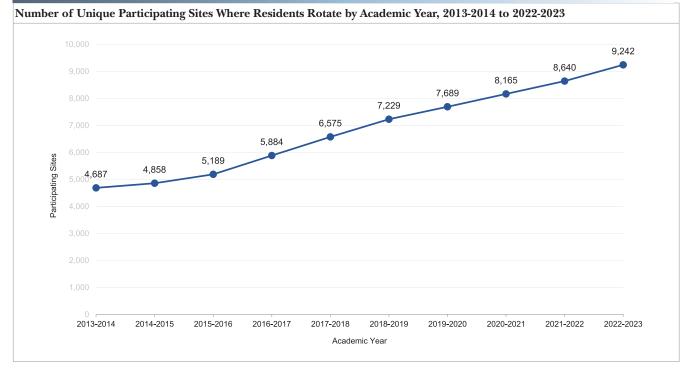


FIGURE F.3

Number of Participating Sites where Residents Rotate by Institution Type Groups (Largest Groups Only) and Academic Year, 2013-2014 to 2022-2023

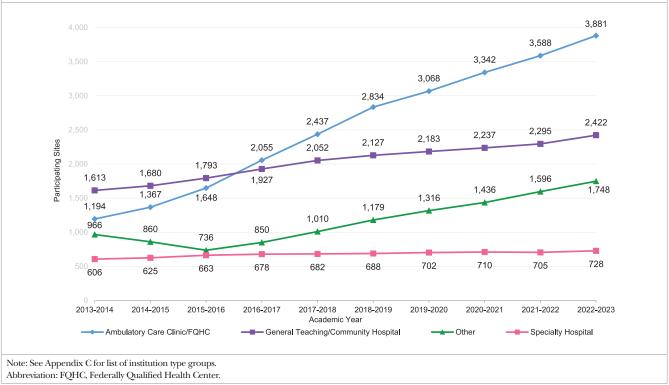


FIGURE F.4

Number of Participating Sites where Residents Rotate by Institution Type Groups (Smallest Groups Only) and Academic Year, 2013-2014 to 2022-2023

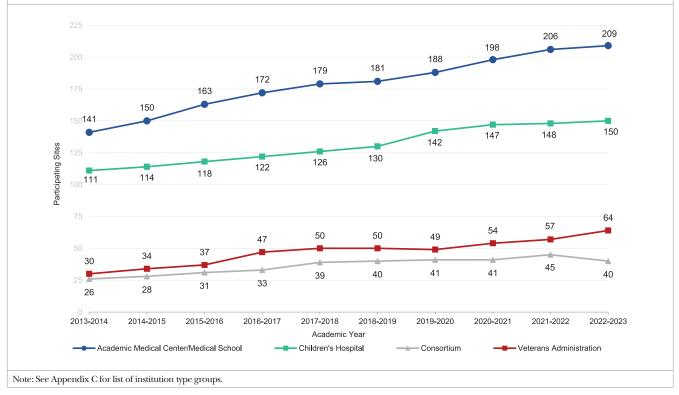


TABLE F.5

| | | | Number of Participati | ng Sites per Progran | ogram | |
|---|----------------|-----|-----------------------|----------------------|-------|--|
| Specialty | Total Programs | AVG | STD | MIN | MAX | |
| OVERALL | 13,066 | 3.2 | 2.3 | 1 | 33 | |
| FOTAL PIPELINE | 5,382 | 4.2 | 2.6 | 1 | 33 | |
| Allergy and immunology | 87 | 2.7 | 1.4 | 1 | 6 | |
| Anesthesiology | 165 | 4.2 | 2.0 | 1 | 11 | |
| - Adult cardiothoracic anesthesiology | 75 | 1.8 | 0.9 | 1 | 5 | |
| - Critical care medicine | 65 | 1.8 | 0.9 | 1 | 4 | |
| - Regional anesthesiology and acute pain medicine | 42 | 2.2 | 1.4 | 1 | 6 | |
| Pediatric cardiac anesthesiology | 15 | 1.1 | 0.2 | 1 | 2 | |
| Obstetric anesthesiology | 41 | 1.3 | 0.5 | 1 | 2 | |
| Pain medicine (multidisciplinary) | 115 | 2.6 | 1.5 | 1 | 7 | |
| - Pediatric anesthesiology | 62 | 1.5 | 0.8 | 1 | 4 | |
| Colon and rectal surgery | 68 | 2.8 | 1.6 | 1 | 9 | |
| Dermatology | 144 | 4.3 | 2.5 | 1 | 12 | |
| - Dermatopathology (multidisciplinary) | 57 | 1.9 | 0.9 | 1 | 4 | |
| - Micrographic surgery and dermatologic oncology | 81 | 2.2 | 1.2 | 1 | 6 | |
| - Pediatric dermatology | 29 | 1.8 | 1.1 | 1 | 5 | |
| Emergency medicine | 287 | 4.3 | 2.0 | 1 | 15 | |
| Emergency medical services | 83 | 3.4 | 2.4 | 1 | 12 | |
| Medical toxicology | 30 | 3.0 | 1.4 | 1 | 7 | |
| - Pediatric emergency medicine | 29 | 2.6 | 1.2 | 1 | 5 | |
| Sports medicine | 9 | 4.8 | 3.7 | 1 | 11 | |
| - Undersea and hyperbaric medicine | 8 | 1.8 | 0.4 | 1 | 2 | |
| Family medicine | 756 | 4.6 | 3.6 | 1 | 33 | |
| - Clinical informatics | 8 | 3.5 | 3 | 1 | 11 | |
| - Geriatric medicine | 46 | 4.4 | 2.3 | 1 | 10 | |
| - Hospice and palliative medicine (multidisciplinary) | 191 | 4.3 | 1.7 | 1 | 10 | |
| - Sports medicine | 171 | 3.8 | 2.9 | 1 | 13 | |
| Internal medicine | 627 | 3.4 | 2.7 | 1 | 20 | |
| - Adult congenital heart disease | 27 | 1.9 | 0.8 | 1 | 3 | |
| - Advanced heart failure and transplant cardiology | 84 | 1.4 | 0.5 | 1 | 3 | |
| - Cardiovascular disease | 273 | 2.7 | 1.3 | 1 | 9 | |
| - Clinical cardiac electrophysiology | 116 | 1.8 | 1.0 | 1 | 6 | |
| - Clinical informatics | 32 | 2.4 | 1.6 | 1 | 7 | |
| - Critical care medicine | 66 | 2.5 | 1.3 | 1 | 7 | |
| - Endocrinology, diabetes, and metabolism | 159 | 2.7 | 1.4 | 1 | 8 | |
| - Gastroenterology | 229 | 3.0 | 1.5 | 1 | 9 | |
| - Geriatric medicine | 119 | 3.9 | 2.0 | 1 | 13 | |
| - Hematology and medical oncology | 184 | 2.9 | 1.4 | 1 | 10 | |
| - Infectious disease | 167 | 2.8 | 1.2 | 1 | 7 | |
| Interventional cardiology | 180 | 1.7 | 1.0 | 1 | 6 | |
| Nephrology | 152 | 3.0 | 1.5 | 1 | 10 | |
| - Medical oncology | 3 | 2.7 | 1.2 | 1 | 4 | |
| Pulmonary disease | 22 | 2.4 | 1.2 | 1 | 5 | |
| Pulmonary disease and critical care medicine | 202 | 3.1 | 1.4 | 1 | 7 | |
| Rheumatology | 129 | 2.6 | 1.2 | 1 | 7 | |
| Sleep medicine (multidisciplinary) | 96 | 2.6 | 1.2 | 1 | 5 | |
| Transplant hepatology | 66 | 1.3 | 0.5 | 1 | 3 | |
| Medical genetics and genomics | 47 | 3.3 | 1.8 | 1 | 8 | |
| - Medical biochemical genetics | 22 | 2.4 | 1.0 | 1 | 5 | |
| - Molecular genetic pathology (multidisciplinary) | 42 | 1.9 | 1.1 | 1 | 5 | |
| Neurological surgery | 117 | 3.6 | 1.5 | 1 | 8 | |
| - Neuroendovascular intervention | 3 | 1.7 | 0.9 | 1 | 3 | |

TABLE F.5 Continued

| Mean Number of Participating Sites per Program where Residents Rotate by Specialty and Subspecialty | r |
|---|---|
|---|---|

| | | | Number of Participating Sites per Program | | | |
|---|----------------|-----|---|-----|-----|--|
| Specialty | Total Programs | AVG | STD | MIN | MAX | |
| Neurology | 180 | 3.5 | 1.8 | 1 | 11 | |
| - Clinical neurophysiology | 95 | 2.1 | 1.2 | 1 | 6 | |
| - Epilepsy | 95 | 2.1 | 0.9 | 1 | 5 | |
| - Neurocritical care (multidisciplinary) | 35 | 1.7 | 0.8 | 1 | 3 | |
| - Neuroendovascular intervention | 2 | 2.0 | 1.0 | 1 | 3 | |
| - Neurodevelopmental disabilities | 8 | 4.0 | 0.9 | 3 | 5 | |
| - Neuromuscular medicine | 55 | 2.2 | 1.2 | 1 | 6 | |
| - Vascular neurology | 112 | 1.7 | 0.9 | 1 | 5 | |
| Child neurology | 80 | 2.8 | 1.3 | 1 | 7 | |
| Nuclear medicine | 36 | 2.5 | 1.3 | 1 | 6 | |
| Obstetrics and gynecology | 302 | 4.2 | 2.3 | 1 | 15 | |
| - Female pelvic medicine and reconstructive surgery | 57 | 2.7 | 1.3 | 1 | 7 | |
| - Gynecologic oncology | 71 | 2.2 | 1.1 | 1 | 5 | |
| - Maternal-fetal medicine | 104 | 2.0 | 1.0 | 1 | 5 | |
| - Reproductive endocrinology and infertility | 49 | 2.6 | 1.7 | 1 | 7 | |
| - Complex family planning | 32 | 2.7 | 1.0 | 1 | 6 | |
| Ophthalmology | 125 | 4.2 | 2.3 | 1 | 14 | |
| • Ophthalmic plastic and reconstructive surgery | 4 | 4.3 | 2.9 | 2 | 9 | |
| Orthopaedic surgery | 208 | 5.7 | 2.6 | 1 | 14 | |
| - Adult reconstructive orthopaedics | 25 | 2.4 | 1.2 | 1 | 4 | |
| Foot and ankle orthopaedics | 8 | 2.8 | 1.5 | 1 | 5 | |
| Hand surgery | 74 | 4.0 | 2.6 | 1 | 14 | |
| - Musculoskeletal oncology | 12 | 2.0 | 0.9 | 1 | 4 | |
| - Orthopaedic sports medicine | 93 | 3.2 | 2.6 | 1 | 16 | |
| • Orthopaedic surgery of the spine | 15 | 2.1 | 1.0 | 1 | 5 | |
| • Orthopaedic trauma | 12 | 1.7 | 1.1 | 1 | 4 | |
| Pediatric orthopaedics | 25 | 1.4 | 0.7 | 1 | 3 | |
| Osteopathic neuromusculoskeletal medicine | 26 | 4.5 | 2.9 | 1 | 12 | |
| Otolaryngology - head and neck surgery | 131 | 4.6 | 2.3 | 1 | 15 | |
| - Neurotology | 29 | 2.7 | 1.6 | 1 | 6 | |
| - Pediatric otolaryngology | 34 | 1.4 | 0.5 | 1 | 3 | |
| Pathology-anatomic and clinical | 146 | 4.1 | 1.9 | 1 | 12 | |
| - Blood banking/transfusion medicine | 54 | 3.0 | 1.3 | 1 | 6 | |
| - Clinical informatics | 10 | 1.8 | 1.3 | 1 | 5 | |
| Chemical pathology | 4 | 1.3 | 0.4 | 1 | 2 | |
| - Cytopathology | 93 | 1.5 | 0.4 | 1 | 4 | |
| - Forensic pathology | 49 | 1.5 | 0.7 | 1 | 4 | |
| Hematopathology | 87 | 1.4 | 0.8 | 1 | 5 | |
| Medical microbiology | 16 | 1.8 | 0.9 | 1 | 4 | |
| Neuropathology | 40 | 2.1 | 1.1 | 1 | 5 | |
| Pediatric pathology | 27 | 2.1 | 0.9 | 1 | 4 | |
| Selective pathology | 124 | 1.4 | 0.5 | 1 | 3 | |
| Pediatrics | 213 | 2.8 | 1.6 | 1 | 10 | |
| - Adolescent medicine | 34 | 2.6 | 2.1 | 1 | 10 | |
| - Adolescent medicine - Child abuse pediatrics | 32 | 2.0 | 1.6 | 1 | 9 | |
| Clinical informatics | 9 | 2.7 | 1.0 | 1 | 4 | |
| Developmental-behavioral pediatrics | 44 | 2.5 | 1.2 | 1 | 5 | |
| | 110 | 2.2 | 1.1 | 1 | 5 | |
| Neonatal-perinatal medicine | 64 | 1.5 | 0.7 | 1 | 3 | |
| Pediatric cardiology | | | | | | |
| - Pediatric critical care medicine | 76 | 1.5 | 0.7 | 1 | 4 | |
| Pediatric emergency medicine | 58 | 3.2 | 1.2 | 1 | 6 | |
| - Pediatric endocrinology | 73 | 1.6 | 0.8 | 1 | 5 | |
| Pediatric gastroenterology | 67 | 1.6 | 0.8 | 1 | 5 | |
| - Pediatric hematology/oncology | 78 | 1.8 | 0.9 | 1 | 4 | |
| - Pediatric infectious diseases | 64 | 2.0 | 1.2 | 1 | 6 | |

TABLE F.5 Continued

| | | | Number of Participating Sites per Program | | | |
|--|----------------|-----|---|-----|-----|--|
| Specialty | Total Programs | AVG | STD | MIN | MAX | |
| Pediatric nephrology | 48 | 1.5 | 0.8 | 1 | 4 | |
| Pediatric pulmonology | 57 | 1.5 | 0.8 | 1 | 5 | |
| Pediatric rheumatology | 37 | 1.6 | 0.6 | 1 | 3 | |
| Sports medicine | 17 | 3.3 | 1.9 | 1 | 7 | |
| Pediatric transplant hepatology | 17 | 1.7 | 0.6 | 1 | 3 | |
| Pediatric hospital medicine | 68 | 2.7 | 0.7 | 2 | 4 | |
| Physical medicine and rehabilitation | 101 | 5.7 | 3.0 | 2 | 19 | |
| Brain injury medicine | 27 | 2.7 | 0.8 | 1 | 4 | |
| Neuromuscular medicine | 1 | 3.0 | 0.0 | 3 | 3 | |
| Spinal cord injury medicine | 26 | 2.7 | 0.8 | 1 | 4 | |
| Pediatric rehabilitation medicine | 22 | 2.1 | 0.8 | 1 | 4 | |
| Sports medicine | 22 | 3.4 | 1.6 | 1 | 7 | |
| Plastic surgery | 49 | 5.2 | 2.3 | 1 | 13 | |
| Plastic Surgery - integrated | 89 | 5.7 | 2.3 | 1 | 13 | |
| Craniofacial surgery | 9 | 1.9 | 1.2 | 1 | 5 | |
| Hand surgery | 19 | 2.8 | 1.2 | 1 | 5 | |
| Public health and general preventive medicine | 43 | 5.7 | 3.6 | 1 | 17 | |
| Aerospace medicine | 5 | 7.8 | 3.3 | 4 | 13 | |
| Decupational and environmental medicine | 23 | 6.9 | 4.4 | 2 | 20 | |
| Undersea and hyperbaric medicine | 1 | 1 | 0 | 1 | 1 | |
| Psychiatry | 304 | 5.7 | 3.1 | 1 | 17 | |
| Addiction medicine (multidisciplinary) | 96 | 4.2 | 2.4 | 1 | 17 | |
| | 55 | 3.5 | 1.7 | 1 | 8 | |
| Addiction psychiatry | 153 | 4.7 | 3.0 | 1 | 17 | |
| Child and adolescent psychiatry | 49 | 4.0 | 1.4 | 2 | 8 | |
| Forensic psychiatry | 63 | 4.0 | 2.0 | | 8 | |
| Geriatric psychiatry | 67 | | 1.1 | 1 | 6 | |
| Consultation-liaison psychiatry | | 2.1 | 0.9 | | - | |
| Radiation oncology | 90 | 2.8 | 1.5 | 1 | 9 | |
| Radiology-diagnostic | 199 | 3.3 | 1.7 | 1 | 12 | |
| Abdominal radiology | 13 | 1.6 | 0.8 | 1 | 4 | |
| Neuroendovascular intervention | 3 | 1.0 | 0.0 | 1 | 1 | |
| Musculoskeletal radiology | 21 | 1.7 | 0.9 | 1 | 4 | |
| Neuroradiology | 91 | 2.0 | 1.0 | 1 | 6 | |
| Nuclear radiology | 19 | 1.8 | 1.3 | 1 | 6 | |
| Pediatric radiology | 46 | 1.4 | 0.7 | 1 | 4 | |
| Interventional radiology - independent | 94 | 2.6 | 1.4 | 1 | 8 | |
| Interventional radiology - integrated | 95 | 3.5 | 1.7 | 1 | 11 | |
| Surgery | 363 | 5.0 | 2.0 | 1 | 15 | |
| Complex general surgical oncology | 34 | 2.4 | 1.4 | 1 | 7 | |
| Hand surgery | 2 | 8.0 | 3.0 | 5 | 11 | |
| Pediatric surgery | 51 | 1.5 | 0.7 | 1 | 3 | |
| Surgical critical care | 162 | 1.7 | 0.9 | 1 | 4 | |
| Vascular surgery | 119 | 2.6 | 1.4 | 1 | 9 | |
| /ascular surgery - integrated | 76 | 3.7 | 1.7 | 1 | 9 | |
| Thoracic surgery | 75 | 2.8 | 1.2 | 1 | 7 | |
| Congenital cardiac surgery | 17 | 1.4 | 0.5 | 1 | 2 | |
| Thoracic surgery - integrated | 34 | 4.1 | 1.8 | 1 | 8 | |
| Jrology | 150 | 4.1 | 1.6 | 1 | 10 | |
| Female pelvic medicine and reconstructive surgery | 17 | 2.1 | 1.5 | 1 | 6 | |
| Pediatric urology | 26 | 1.3 | 0.6 | 1 | 3 | |
| Transitional year | 188 | 2.4 | 2.0 | 1 | 21 | |
| internal medicine/Pediatrics | 77 | 3.7 | 2.2 | 1 | 17 | |
| Health care administration, leadership, and management | 2 | 3.0 | 2.0 | 1 | 5 | |

TABLE F.6

Total Number of Participating Sites and Number of Sponsoring Institutions where Residents Rotate by Specialty and Subspecialty

| | | Sponsors | | |
|--|---------------------------|----------|----------------|--|
| Specialty | Total Participating Sites | # | % | |
| OVERALL | 9,242 | 552 | 6.0% | |
| TOTAL PIPELINE | 6,893 | 496 | 7.2% | |
| Allergy and immunology | 211 | 40 | 19.0% | |
| Anesthesiology | 556 | 65 | 11.7% | |
| Adult cardiothoracic anesthesiology | 127 | 37 | 29.1% | |
| Critical care medicine | 118 | 30 | 25.4% | |
| Regional anesthesiology and acute pain medicine | 91 | 21 | 23.1% | |
| Pediatric cardiac anesthesiology | 16 | 6 | 37.5% | |
| Obstetric anesthesiology | 54 | 20 | 37.0% | |
| Pain medicine (multidisciplinary) | 276 | 55 | 19.9% | |
| Pediatric anesthesiology | 85 | 22 | 25.9% | |
| Colon and rectal surgery | 184 | 29 | 15.8% | |
| Dermatology | 562 | 57 | 10.1% | |
| Dermatopathology (multidisciplinary) | 105 | 27 | 25.7% | |
| Micrographic surgery and dermatologic oncology | 179 | 39 | 21.8% | |
| Pediatric dermatology | 53 | 9 | 17.0% | |
| Emergency medicine | 891 | 118 | 13.2% | |
| Emergency medical services | 276 | 37 | 13.4% | |
| Medical toxicology | 88 | 10 | 11.4% | |
| Pediatric emergency medicine | 68 | 13 | 19.1% | |
| Sports medicine | 43 | 10 | 2.3% | |
| Undersea and hyperbaric medicine | 14 | 5 | 35.7% | |
| Family medicine | 2.742 | 302 | 11.0% | |
| Clinical informatics | 28 | 302 | 10.7% | |
| Geriatric medicine | 202 | 19 | 9.4% | |
| Hospice and palliative medicine (multidisciplinary) | 689 | 82 | 11.9% | |
| Sports medicine | 631 | 74 | 11.7% | |
| Internal medicine | 1,788 | 275 | 15.4% | |
| Adult congenital heart disease | 50 | 11 | 22.0% | |
| Advanced heart failure and transplant cardiology | 113 | 30 | 26.5% | |
| • Cardiovascular disease | 594 | 110 | 18.5% | |
| Clinical cardiac electrophysiology | 204 | 48 | 23.5% | |
| Clinical informatics | 77 | 12 | 15.6% | |
| Critical care medicine | 153 | 28 | 18.3% | |
| Endocrinology, diabetes, and metabolism | 391 | 68 | 17.4% | |
| Gastroenterology | 572 | 98 | 17.4% | |
| Geriatric medicine | 452 | 50 | 11.3% | |
| Hematology and medical oncology | 422 | 87 | 20.6% | |
| Infectious disease | 411 | 72 | 17.5% | |
| Interventional cardiology | 302 | 72 | 24.8% | |
| | 405 | 66 | | |
| Nephrology Medical engelogy | | 1 | 16.3% 12.5% | |
| Medical oncology Pulmonary disease | <u> </u> | 13 | 25.0% | |
| Pulmonary disease and critical care medicine | | | | |
| / | 515 | 89 | 17.3% | |
| Rheumatology | 314 | 53 | 16.9% | |
| Sleep medicine (multidisciplinary) | 238 | 41 | 17.2% | |
| Transplant hepatology | 85 | 28 | 32.9% | |
| Medical genetics and genomics | 141 | 24 | 17.0% | |
| Medical biochemical genetics | 50 | 10 | 20.0% | |
| Molecular genetic pathology (multidisciplinary) | 74 | 20 | 27.0% | |
| Neurological surgery - Neuroendovascular intervention | 352 5 | 49 | 13.9% 20.0% | |

TABLE F.6 Continued

Total Number of Participating Sites and Number of Sponsoring Institutions where Residents Rotate by Specialty and Subspecialty

| | | Sponsors | | |
|---|---------------------------|----------|-------|--|
| Specialty | Total Participating Sites | # | % | |
| Neurology | 538 | 73 | 13.6% | |
| - Clinical neurophysiology | 185 | 40 | 21.6% | |
| Epilepsy | 162 | 39 | 24.1% | |
| Neurocritical care (multidisciplinary) | 58 | 16 | 27.6% | |
| - Neuroendovascular intervention | 4 | 0 | 0.0% | |
| - Neurodevelopmental disabilities | 32 | 4 | 12.5% | |
| - Neuromuscular medicine | 118 | 29 | 24.6% | |
| -Vascular neurology | 193 | 49 | 25.4% | |
| Child neurology | 215 | 35 | 16.3% | |
| Nuclear medicine | 87 | 13 | 14.9% | |
| Obstetrics and gynecology | 1,097 | 139 | 12.7% | |
| - Female pelvic medicine and reconstructive surgery | 154 | 29 | 18.8% | |
| - Gynecologic oncology | 154 | 31 | 20.1% | |
| - Maternal-fetal medicine | 204 | 40 | 19.6% | |
| Reproductive endocrinology and infertility | 125 | 22 | 17.6% | |
| Complex family planning | 84 | 13 | 15.5% | |
| Ophthalmology | 478 | 51 | 10.7% | |
| Ophthalmic plastic and reconstructive surgery | 17 | 1 | 5.9% | |
| Orthopaedic surgery | 940 | 83 | 8.8% | |
| - Adult reconstructive orthopaedics | 54 | 7 | 13.0% | |
| -Foot and ankle orthopaedics | 22 | 5 | 22.7% | |
| - Hand surgery | 281 | 32 | 11.4% | |
| - Musculoskeletal oncology | 201 | 6 | 25.0% | |
| - Orthopaedic sports medicine | 290 | 44 | 15.2% | |
| • Orthopaedic surgery of the spine | 31 | 8 | 25.8% | |
| - Orthopaedic trauma | 20 | 5 | 25.0% | |
| - Pediatric orthopaedics | 35 | 10 | 23.6% | |
| Osteopathic neuromusculoskeletal medicine | 114 | 10 | 8.8% | |
| Otolaryngology - head and neck surgery | 507 | 54 | 10.7% | |
| - Neurotology | 78 | 14 | 17.9% | |
| - Pediatric otolaryngology | 47 | 13 | 27.7% | |
| Pathology-anatomic and clinical | 476 | 61 | 12.8% | |
| - Blood banking/transfusion medicine | 147 | 27 | 12.8% | |
| - Clinical informatics | 147 | 3 | 16.7% | |
| | | | | |
| Chemical pathology | 5 128 | 3 | 60.0% | |
| Cytopathology | | 43 | 33.6% | |
| - Forensic pathology | 67 | 21 | 31.3% | |
| - Hematopathology | 139 | 41 | 29.5% | |
| Medical microbiology | 28 | 9 | 32.1% | |
| Neuropathology | 77 | 20 | 26.0% | |
| Pediatric pathology | 56 | 12 | 21.4% | |
| - Selective pathology | 81 | 22 | 27.2% | |
| Pediatrics | 496 | 102 | 20.6% | |
| Adolescent medicine | 87 | 14 | 16.1% | |
| Child abuse pediatrics | 85 | 13 | 15.3% | |
| Clinical informatics | 21 | 6 | 28.6% | |
| Developmental-behavioral pediatrics | 80 | 19 | 23.7% | |
| Neonatal-perinatal medicine | 222 | 45 | 20.3% | |
| Pediatric cardiology | 94 | 27 | 28.7% | |
| Pediatric critical care medicine | 102 | 30 | 29.4% | |
| Pediatric emergency medicine | 164 | 24 | 14.6% | |
| Pediatric endocrinology | 113 | 31 | 27.4% | |
| - Pediatric gastroenterology | 103 | 29 | 28.2% | |
| - Pediatric hematology/oncology | 129 | 32 | 24.8% | |
| - Pediatric infectious diseases | 121 | 27 | 22.3% | |

TABLE F.6 Continued

Total Number of Participating Sites and Number of Sponsoring Institutions where Residents Rotate by Specialty and Subspecialty

| Specialty | Total Participating Sites | зр | onsors |
|--|--|-----|--------|
| | | # | % |
| Pediatric nephrology | 73 | 19 | 26.0% |
| Pediatric pulmonology | 82 | 23 | 28.0% |
| Pediatric rheumatology | 59 | 13 | 22.0% |
| Sports medicine | 56 | 11 | 19.6% |
| Pediatric transplant hepatology | 29 | 5 | 17.2% |
| Pediatric hospital medicine | 183 | 26 | 14.2% |
| Physical medicine and rehabilitation | 517 | 40 | 7.7% |
| Brain injury medicine | 71 | 7 | 9.9% |
| Neuromuscular medicine | 3 | 0 | 0.0% |
| Spinal cord injury medicine | 67 | 7 | 10.4% |
| Pediatric rehabilitation medicine | 45 | 7 | 15.6% |
| Sports medicine | 72 | 4 | 5.6% |
| lastic surgery | 235 | 19 | 8.1% |
| Plastic surgery - integrated | 462 | 37 | 8.0% |
| Craniofacial surgery | 17 | 4 | 23.5% |
| Hand surgery | 53 | 7 | 13.2% |
| Public health and general preventive medicine | 226 | 23 | 10.2% |
| Aerospace medicine | 35 | 2 | 5.7% |
| Decupational and environmental medicine | 152 | 10 | 6.6% |
| Undersea and hyperbaric medicine | 132 | 10 | 100.0% |
| Psychiatry | 1,500 | 139 | 9.3% |
| Addiction medicine (multidisciplinary) | 384 | 43 | 11.2% |
| Addiction psychiatry | 187 | 19 | 10.2% |
| | | | |
| Child and adolescent psychiatry | 675 | 62 | 9.2% |
| Forensic psychiatry | 186 | 20 | 10.8% |
| Geriatric psychiatry | 233 | 21 | 9.0% |
| Consultation-liaison psychiatry | 139 | 31 | 22.3% |
| Radiation oncology | 224 | 39 | 17.4% |
| Radiology-diagnostic | 517 | 85 | 16.4% |
| Abdominal radiology | 21 | 6 | 28.6% |
| Neuroendovascular intervention | 3 | 2 | 66.7% |
| Musculoskeletal radiology | 36 | 10 | 27.8% |
| Neuroradiology | 173 | 40 | 23.1% |
| Nuclear radiology | 35 | 10 | 28.6% |
| Pediatric radiology | 61 | 19 | 31.1% |
| nterventional radiology - independent | 237 | 39 | 16.5% |
| nterventional radiology - integrated | 296 | 39 | 13.2% |
| Jurgery | 1,227 | 151 | 12.3% |
| Complex general surgical oncology | 81 | 13 | 16.0% |
| Hand surgery | 16 | 1 | 6.3% |
| Pediatric surgery | 77 | 17 | 22.1% |
| Surgical critical care | 247 | 66 | 26.7% |
| Vascular surgery | 300 | 51 | 17.0% |
| /ascular surgery - integrated | 272 | 33 | 12.1% |
| Thoracic surgery | 197 | 37 | 18.8% |
| Congenital cardiac surgery | 23 | 7 | 30.4% |
| Thoracic surgery - integrated | 140 | 17 | 12.1% |
| Jrology | 558 | 66 | 11.8% |
| Female pelvic medicine and reconstructive surgery | 35 | 9 | 25.7% |
| Pediatric urology | 35 | 9 | 25.7% |
| Fransitional year | 436 | 81 | 18.6% |
| nternal medicine/Pediatrics | 279 | 29 | 10.4% |
| Health care administration, leadership, and management | 6 | 1 | 16.7% |
| | cialties. Pipeline specialties are highlig | | 10.7 % |

Participating Sites

Program Directors and Faculty

This section includes information and trends regarding program director turnover, tenure, and hours spent in key areas related to the program. Statistics on the total number of faculty members, faculty members per program, and the hours faculty members spend in key areas are also included.

Program Director Changes

A total of 845 specialty programs (14.8%) and 942 subspecialty programs (12.8%) had at least one program director change during the academic year. Of these, a small number (38 specialty programs and 29 subspecialty programs) had more than one program director change during the academic year. Overall, 1,856 distinct program director changes occurred in 1,787 programs during the academic year. The specialties with the highest percentage of program director turnover include:

- Aerospace medicine (40.0%)
- Public health and general preventive medicine (25.6%)
- Thoracic surgery integrated (23.5%)
- Nuclear medicine (22.2%)

The specialties with the highest total number of program director changes include:

- Family medicine (114)
- Internal medicine (90)
- Psychiatry (57)
- Obstetrics and gynecology (53)

The specialties with the lowest percentage of program director turnover include:

- Health care administration, leadership, and management (0.0%)
- Plastic surgery (6.1%)
- Medical genetics and genomics (8.5%)
- Emergency medicine (8.7%)

Historically, between 12% and 14% of programs have a change in the program director role each year.

Program Director Tenure

On average, program directors of ACGME-accredited specialty programs spend approximately seven years in this role. Among all past program directors in specialty programs since July 1, 2013, allergy and immunology program directors have had the highest average tenure at 9.1 years, while osteopathic neuromusculoskeletal medicine program directors have had the lowest tenure at 3.1 years.

Program Director Years Teaching in Specialty

In general, new program directors have spent less time teaching in their specialty than program directors who are not new to their role (continuing program directors). The mean length in years that new program directors have taught in their specialty is 12.4 years among medical specialty programs, 9.9 years among hospital-based specialty programs, and 11.5 years among surgical specialty programs. In each group, the mean length in years that subspecialty is 9.6 years, 9.8 years, and 12.3 years in medical, hospital-based, and surgical subspecialty programs, respectively. The mean length in years that continuing program directors have taught in their specialty is 17.2 years among medical specialty programs, 15.1 years among hospital-based specialty programs, and 17.2 years among surgical specialty programs.

Physician Faculty Members

A total of 201,433 physician faculty members were listed as active at the time of the Academic Year 2022-2023 snapshot. Note that these are not necessarily distinct people, as an individual may be listed as a faculty member for multiple programs. The average number of physician faculty members listed per program was 15.4 overall. The specialties with the highest average number of faculty members per program include:

- Anesthesiology (54.8)
- Pediatrics (37.3)
- Radiology diagnostic (33.4)
- Neurology (31.4)

The subspecialties with the highest average number of faculty members per program include:

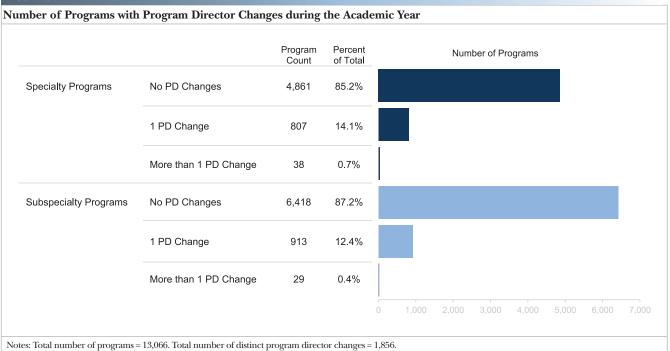
- Pediatric emergency medicine (19.9)
- Pediatric cardiology (17.4)
- Complex general surgical oncology (17.1)
- Pediatric anesthesiology (15.6)

Core Faculty

A total of 71,997 core faculty members were listed as active in specialty programs at the time of the Academic Year 2022-2023 snapshot. The specialties with the highest average number of core faculty members per program include:

- Anesthesiology (24.2)
- Pediatrics (23.5)
- Radiology diagnostic (19.8)
- Interventional radiology integrated (19.0)

FIGURE G.1



Abbreviations: PD, program director.



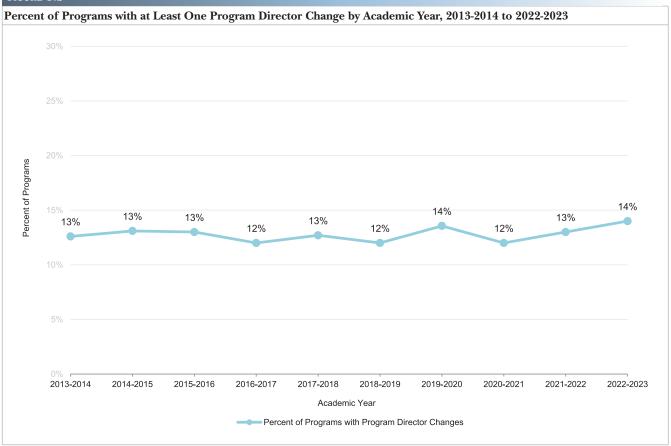


TABLE G.3

Number of Programs with New Program Directors and Number of Distinct Program Director Changes during the Academic Year by Specialty and Subspecialty

| Specialty | Total Programs | Programs with New PDs | | Number of Distinct |
|---|----------------|-----------------------|-------|--------------------|
| | | # | % | PD Changes |
| OVERALL | 13,066 | 1,787 | 13.7% | 1,856 |
| TOTAL PIPELINE | 5,382 | 807 | 15.0% | 846 |
| Allergy and immunology | 87 | 10 | 11.5% | 10 |
| Anesthesiology | 165 | 31 | 18.8% | 33 |
| Adult cardiothoracic anesthesiology | 75 | 14 | 18.7% | 14 |
| Critical care medicine | 65 | 12 | 18.5% | 12 |
| Regional anesthesiology and acute pain medicine | 42 | 11 | 26.2% | 12 |
| Pediatric cardiac anesthesiology | 15 | 2 | 13.3% | 2 |
| Obstetric anesthesiology | 41 | 8 | 19.5% | 8 |
| Pain medicine (multidisciplinary) | 115 | 17 | 14.8% | 17 |
| Pediatric anesthesiology | 62 | 9 | 14.5% | 9 |
| Colon and rectal surgery | 68 | 6 | 8.8% | 6 |
| Dermatology | 144 | 30 | 20.8% | 30 |
| Dermatopathology (multidisciplinary) | 57 | 3 | 5.3% | 3 |
| Micrographic surgery and dermatologic oncology | 81 | 5 | 6.2% | 5 |
| Pediatric dermatology | 29 | 4 | 13.8% | 4 |
| Emergency medicine | 287 | 25 | 8.7% | 25 |
| Emergency medical services | 83 | 9 | 10.8% | 9 |
| Medical toxicology | 30 | 5 | 16.7% | 5 |
| Pediatric emergency medicine | 29 | 1 | 3.4% | 1 |
| Sports medicine | 9 | 0 | 0.0% | 0 |
| Undersea and hyperbaric medicine | 8 | 2 | 25.0% | 2 |
| Family medicine | 756 | 112 | 14.8% | 114 |
| Clinical informatics | 8 | 3 | 37.5% | 3 |
| Geriatric medicine | 46 | 1 | 2.2% | 1 |
| Hospice and palliative medicine (multidisciplinary) | 191 | 36 | 18.8% | 37 |
| Sports medicine | 171 | 15 | 8.8% | 15 |
| Internal medicine | 627 | 86 | 13.7% | 90 |
| Adult congenital heart disease | 27 | 4 | 14.8% | 4 |
| Advanced heart failure and transplant cardiology | 84 | 9 | 10.7% | 10 |
| Cardiovascular disease | 273 | 26 | 9.5% | 28 |
| Clinical cardiac electrophysiology | 116 | 9 | 7.8% | 9 |
| Clinical informatics | 32 | 2 | 6.3% | 2 |
| Critical care medicine | 66 | 10 | 15.2% | 10 |
| Endocrinology, diabetes, and metabolism | 159 | 25 | 15.7% | 26 |
| Gastroenterology | 229 | 23 | 10.0% | 23 |
| Geriatric medicine | 119 | 11 | 9.2% | 11 |
| Hematology and medical oncology | 184 | 31 | 16.8% | 31 |
| Infectious disease | 167 | 21 | 12.6% | 23 |
| Interventional cardiology | 180 | 23 | 12.8% | 23 |
| Nephrology | 152 | 15 | 9.9% | 16 |
| Medical oncology | 3 | 10 | 33.3% | 1 |
| Pulmonary disease | 22 | 1 | 4.5% | 1 |
| Pulmonary disease and critical care medicine | 202 | 14 | 6.9% | 14 |
| Rheumatology | 129 | 20 | 15.5% | 20 |
| Sleep medicine (multidisciplinary) | 96 | 18 | 18.8% | 19 |
| Transplant hepatology | 66 | 10 | 15.2% | 10 |
| Medical genetics and genomics | 47 | 4 | 8.5% | 4 |
| Medical biochemical genetics | 22 | 5 | 22.7% | 5 |
| Molecular genetic pathology (multidisciplinary) | 42 | 3 | 7.1% | 3 |
| Neurological surgery | 117 | 16 | 13.7% | 17 |
| Neuroiogical surgery | 3 | 10 | 33.3% | 17 |

TABLE G.3 Continued

Number of Programs with New Program Directors and Number of Distinct Program Director Changes during the Academic Year by Specialty and Subspecialty

| Specialty | Total Programs | Programs with New PDs | | Number of Distinct |
|---|----------------|-----------------------|----------------|--------------------|
| | | # | % | PD Changes |
| Neurology | 180 | 26 | 14.4% | 28 |
| Clinical neurophysiology | 95 | 10 | 10.5% | 10 |
| Epilepsy | 95 | 17 | 17.9% | 17 |
| Neurocritical care (multidisciplinary) | 35 | 0 | 0.0% | 0 |
| Neuroendovascular intervention | 2 | 0 | 0.0% | 0 |
| Neurodevelopmental disabilities | 8 | 1 | 12.5% | 1 |
| Neuromuscular medicine | 55 | 6 | 10.9% | 6 |
| Vascular neurology | 112 | 13 | 11.6% | 13 |
| Child neurology | 80 | 14 | 17.5% | 15 |
| Nuclear medicine | 36 | 8 | 22.2% | 8 |
| Obstetrics and gynecology | 302 | 48 | 15.9% | 53 |
| Female pelvic medicine and reconstructive surgery | 57 | 10 | 17.5% | 10 |
| Gynecologic oncology | 71 | 10 | 14.1% | 10 |
| Maternal-fetal medicine | 104 | 17 | 16.3% | 17 |
| Reproductive endocrinology and infertility | 49 | 12 | 24.5% | 14 |
| Complex family planning | 32 | 6 | 18.8% | 6 |
| Ophthalmology | 125 | 21 | 16.8% | 21 |
| Ophthalmic plastic and reconstructive surgery | 4 | 0 | 0.0% | 0 |
| Orthopaedic surgery | 208 | 27 | 13.0% | 27 |
| Adult reconstructive orthopaedics | 25 | 3 | 12.0% | 3 |
| Foot and ankle orthopaedics | 8 | 1 | 12.5% | 1 |
| Hand surgery | 74 | 3 | 4.1% | 3 |
| Musculoskeletal oncology | 12 | 1 | 8.3% | 1 |
| Orthopaedic sports medicine | 93 | 9 | 9.7% | 11 |
| Orthopaedic surgery of the spine | 15 | 1 | 6.7% | 1 |
| Orthopaedic trauma | 13 | 1 | 8.3% | 1 |
| Pediatric orthopaedics | 25 | 0 | 0.0% | 0 |
| Osteopathic neuromusculoskeletal medicine | 26 | 4 | 15.4% | 4 |
| Otolaryngology - head and neck surgery | 131 | 19 | 14.5% | 19 |
| • Neurotology | 29 | 3 | 10.3% | 4 |
| Pediatric otolaryngology | 34 | 7 | 20.6% | 7 |
| Pathology-anatomic and clinical | 146 | 31 | 21.2% | 32 |
| Blood banking/transfusion medicine | 54 | 5 | 9.3% | 5 |
| Clinical informatics | 10 | 0 | 0.0% | 0 |
| Chemical pathology | 4 | 0 | 0.0% | 0 |
| Cytopathology | 93 | 19 | 20.4% | 19 |
| Forensic pathology | 49 | 9 | 18.4% | 9 |
| Hematopathology | 87 | 13 | 14.9% | 13 |
| Medical microbiology | 16 | 2 | 12.5% | 2 |
| Neuropathology | 40 | 5 | 12.5% | 5 |
| Pediatric pathology | 27 | 5 | 12.5% | 5 |
| Selective pathology | 124 | 17 | 13.7% | 18 |
| Pediatrics | 213 | 39 | 18.3% | 42 |
| Adolescent medicine | 34 | 3 | 8.8% | 42 |
| | | <u> </u> | | |
| Child abuse pediatrics | 32 | | 3.1% | 1 |
| Clinical informatics | 9 | 0 | 0.0% | 0 E |
| Developmental-behavioral pediatrics | 44 | 5 | 11.4% | 5 |
| Neonatal-perinatal medicine | 110 | 16 | 14.5% | 16 |
| Pediatric cardiology | 64 | 10 | 15.6% | 10 |
| Pediatric critical care medicine | 76 | 12 | 15.8% | 12 |
| Pediatric emergency medicine | 58 | 7 | 12.1% | 7 |
| Pediatric endocrinology | 73 | 8 | 11.0% | 8 |
| Pediatric gastroenterology | 67 | 7 | 10.4% | 7 |
| Pediatric hematology/oncology | 78 64 | 10 | 12.8% 10.9% | 10 |

TABLE G.3 Continued

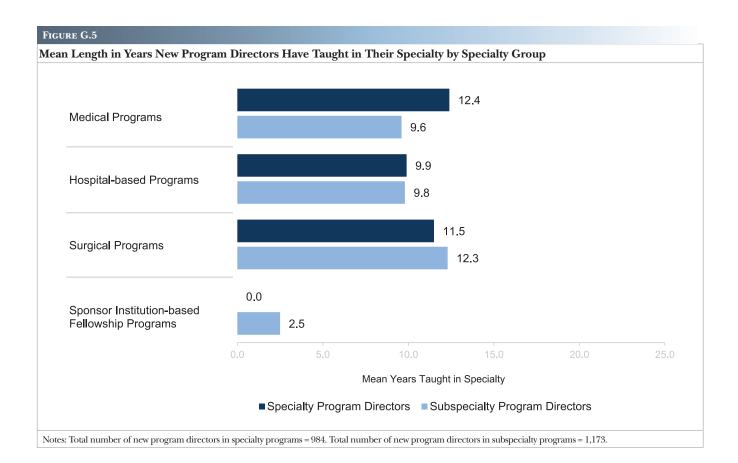
Number of Programs with New Program Directors and Number of Distinct Program Director Changes during the Academic Year by Specialty and Subspecialty

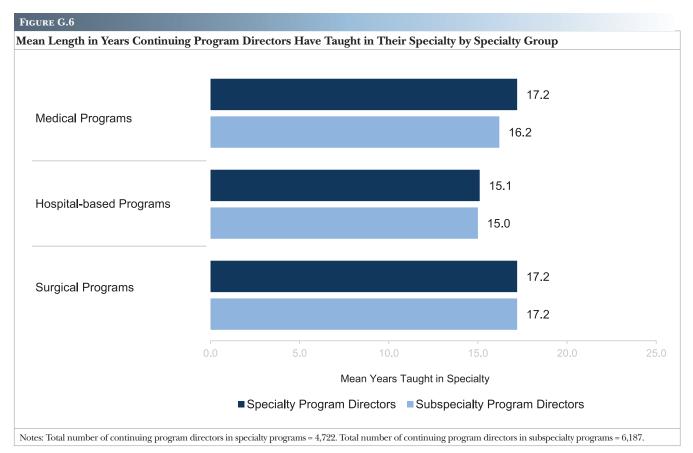
| Specialty | Total Programs | Programs | with New PDs | Number of Disting |
|--|----------------|----------|--------------|-------------------|
| | | # | % | PD Changes |
| - Pediatric nephrology | 48 | 4 | 8.3% | 4 |
| Pediatric pulmonology | 57 | 3 | 5.3% | 3 |
| - Pediatric rheumatology | 37 | 3 | 8.1% | 3 |
| - Sports medicine | 17 | 1 | 5.9% | 1 |
| Pediatric transplant hepatology | 17 | 1 | 5.9% | 1 |
| - Pediatric hospital medicine | 68 | 8 | 11.8% | 8 |
| Physical medicine and rehabilitation | 101 | 15 | 14.9% | 17 |
| - Brain injury medicine | 27 | 1 | 3.7% | 1 |
| - Neuromuscular medicine | 1 | 0 | 0.0% | 0 |
| - Spinal cord injury medicine | 26 | 3 | 11.5% | 3 |
| - Pediatric rehabilitation medicine | 22 | 4 | 18.2% | 4 |
| Sports medicine | 22 | 4 | 18.2% | 4 |
| Plastic surgery | 49 | 3 | 6.1% | 3 |
| Plastic surgery - integrated | 89 | 10 | 11.2% | 11 |
| Craniofacial surgery | 9 | 3 | 33.3% | 3 |
| Hand surgery | 19 | 2 | 10.5% | 3 |
| Public health and general preventive medicine | 43 | 11 | 25.6% | 12 |
| Aerospace medicine | 5 | 2 | 40.0% | 3 |
| Occupational and environmental medicine | 23 | 2 | 8.7% | 2 |
| · Undersea and hyperbaric medicine | 1 | 0 | 0.0% | 0 |
| Psychiatry | 304 | 55 | 18.1% | 57 |
| Addiction medicine (multidisciplinary) | 96 | 10 | 10.1% | 10 |
| Addiction psychiatry | 55 | 7 | 12.7% | 7 |
| Child and adolescent psychiatry | 153 | 25 | 16.3% | 26 |
| Forensic psychiatry | 49 | 9 | 18.4% | 10 |
| - Geriatric psychiatry | 63 | 7 | 11.1% | 7 |
| Consultation-liaison psychiatry | 67 | 9 | 13.4% | 10 |
| Radiation oncology | 90 | 15 | 16.7% | 15 |
| Radiology-diagnostic | 199 | 30 | 15.1% | 32 |
| Abdominal radiology | 135 | 3 | 23.1% | 7 |
| Neuroendovascular intervention | 3 | 1 | 33.3% | 1 |
| - Musculoskeletal radiology | 21 | 1 | 4.8% | 1 |
| Neuroradiology | 91 | 19 | 20.9% | 20 |
| Nuclear radiology | 19 | 3 | 15.8% | 3 |
| Pediatric radiology | 46 | 6 | 13.0% | 6 |
| Interventional radiology - independent | 94 | 15 | 16.0% | 18 |
| Interventional radiology - integrated | 94 95 | 15 | 12.6% | 13 |
| | 363 | 50 | 13.8% | 53 |
| Surgery | 34 | 8 | 23.5% | 8 |
| Complex general surgical oncology Hand surgery | 2 | 0 | 0.0% | 0 |
| | 51 | 7 | 13.7% | 7 |
| Pediatric surgery Surgical critical care | 162 | 23 | 13.7% | 23 |
| 0 | | | | |
| Vascular surgery | 119 | 18 | 15.1% | 19 |
| Vascular surgery - integrated | 76 | 15 | 19.7% | 16 |
| Concerning and in a management | 75 | 12 | 16.0% | 14 |
| Congenital cardiac surgery | 17 | 2 | 11.8% | 2 |
| Thoracic surgery - integrated | 34 | 8 | 23.5% | 9 |
| Urology | 150 | 15 | 10.0% | 15 |
| Female pelvic medicine and reconstructive surgery | 17 | 0 | 0.0% | 0 |
| Pediatric urology | 26 | 1 | 3.8% | 1 |
| Fransitional year | 188 | 25 | 13.3% | 25 |
| Internal medicine/Pediatrics | 77 | 8 | 10.4% | 8 |
| Health care administration, leadership, and management | 2 | 0 | 0.0% | 0 |

FIGURE G.4

Mean Length in Years of Past Program Director Tenure by Specialty

| | # of Past PDs | Median | Mean | Mean Length of Tenure |
|---|---------------------|--------|------|-----------------------|
| Allergy and immunology | 84 | 6.8 | 9.1 | |
| Anesthesiology | 247 | 5.2 | 6.4 | |
| Colon and rectal surgery | 60 | 5.0 | 6.3 | |
| Dermatology | 194 | 5.2 | 7.3 | |
| Emergency medicine | 291 | 5.3 | 6.6 | |
| Family medicine | 841 | 4.6 | 6.3 | |
| Internal medicine | 695 | 4.6 | 6.5 | |
| Medical genetics and genomics | 59 | 5.0 | 6.5 | |
| Neurological surgery | 143 | 6.4 | 7.9 | |
| Neurology | 190 | 5.5 | 7.1 | |
| Child neurology | 109 | 6.1 | 7.8 | |
| Nuclear medicine | 48 | 6.0 | 6.9 | |
| Obstetrics and gynecology | 437 | 4.8 | 6.5 | |
| Ophthalmology | 159 | 6.4 | 8.1 | |
| Orthopaedic surgery | 216 | 6.4 | 8.1 | |
| Osteopathic neuromusculoskeletal medicine | 29 | 2.7 | 3.1 | |
| Otolaryngology - head and neck surgery | 144 | 6.1 | 7.6 | |
| Pathology-anatomic and clinical | 252 | 4.8 | 6.9 | |
| Pediatrics | 269 | 6.4 | 7.7 | |
| Physical medicine and rehabilitation | 111 | 5.0 | 7.3 | |
| Plastic surgery | 62 | 7.4 | 8.7 | |
| Plastic surgery - integrated | 94 | 4.1 | 5.9 | |
| Public health and general preventive medicine | 88 | 3.8 | 5.8 | |
| Aerospace medicine | 14 | 3.3 | 3.4 | |
| Occupational and environmental medicine | 38 | 4.7 | 6.0 | |
| Psychiatry | 386 | 3.8 | 5.4 | |
| Radiation oncology | 139 | 5.8 | 6.8 | |
| Radiology-diagnostic | 284 | 5.2 | 6.7 | |
| Interventional radiology - integrated | 103 | 2.3 | 3.3 | |
| Surgery | 433 | 5.3 | 6.6 | |
| Vascular surgery - integrated | 85 | 3.6 | 4.5 | |
| Thoracic surgery | 109 | 4.9 | 7.3 | |
| Thoracic surgery - integrated | 42 | 3.6 | 5.6 | |
| Urology | 157 | 6.9 | 8.2 | |
| Transitional year | 191 | 3.4 | 5.0 | |
| Internal medicine/Pediatrics | 68 | 6.9 | 7.5 | |
| | | | 0 | 5 10 |





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FIGURE G.7

| Mean Number of | Hours per Week S | pent by Program | Directors in Ke | y Areas by Specialty |
|-----------------|------------------|-------------------|------------------|-----------------------|
| mean runnoer or | Hours per meens | point by 1 rogram | Directory in the | , in cub by opecially |

| OVERALL | Hours 40.3 | 16.1 | Mean Number of Hours | | |
|---|---------------|------|-------------------------------------|----------|--------------------|
| Allergy and immunology | 31.1 | 8.2 | 15.5 3.3 4.1 | | |
| Anesthesiology | 47.0 | 17.0 | 22.7 3.1 | 42 | |
| Colon and rectal surgery | 41.3 | 7.8 | 26.1 3.1 4.3 | | |
| | 36.3 | 10.8 | 19.6 2.5 3.4 | | |
| Dermatology | 43.6 | 19.2 | 16.0 2.9 5.5 | | |
| Emergency medicine | | 21.1 | 11.3 1.7 3.2 | | |
| Family medicine | 37.3 40.5 | 20.5 | 12.5 2.8 5.0 | | |
| Internal medicine | 27.2 | 7.8 | 12.2 3.8 3.3 | | |
| Medical genetics and genomics | 50.8 | 10.2 | 29.7 5.4 | 5.5 | |
| Neurological surgery Neurology | 34.9 | 16.3 | 12.6 2.3 3.7 | 5.5 | |
| | | _ | | | |
| Child neurology | 28.4 | 9.1 | | | |
| Nuclear medicine | 43.9 | 7.9 | 26.4 3.8 5.8 | | |
| Obstetrics and gynecology | 41.7 | 20.8 | 15.4 2.1 3.4 | | |
| Ophthalmology | 36.7 | 11.4 | 19.8 2.6 2.8 | 4.0 | |
| Orthopaedic surgery | 47.8 | 11.7 | | 4.6 | |
| Osteopathic neuromusculoskeletal medicine | 28.9 | 9.7 | 13.6 1.7 4.0 | | |
| Otolaryngology - head and neck surgery | 43.7 | 9.7 | 26.6 3.7 3.7 | | |
| Pathology-anatomic and clinical | 32.5 | 13.6 | 12.7 2.3 3.9 | | |
| Pediatrics | 40.5 | 22.1 | 12.4 2.4 3.7 | | |
| Physical medicine and rehabilitation | 38.3 | 14.0 | 18.6 2.0 3.7 | _ | |
| Plastic surgery | 47.9 | 10.7 | 28.4 4.2 | 4.5 | |
| Plastic Surgery - integrated | 49.4 | 11.3 | 29.1 4.2 | 4.9 | |
| Public health and general preventive medicine | 24.0 | 12.3 | 3.5 4.3 3.9 | | |
| Aerospace medicine | 32.2 | 18.0 | 5.2 4.0 5.0 | | |
| Occupational and environmental medicine | 28.2 | 13.3 | 7.9 3.2 3.8 | | |
| Psychiatry | 34.8 | 19.7 | <mark>9.7 1.9</mark> 3.4 | | |
| Radiation oncology | 37.9 | 8.1 | 21.8 3.9 4.1 | | |
| Radiology-diagnostic | 43.5 | 15.1 | 22.3 2.2 3.8 | | |
| Interventional radiology - integrated | 44.1 | 9.6 | 28.6 2.7 3.1 | | |
| Surgery | 47.5 | 16.4 | 22.3 3.4 | 5.3 | |
| Vascular surgery - integrated | 48.1 | 11.7 | 26.9 4.7 | 4.8 | |
| Thoracic surgery | 49.1 | 13.6 | 27.2 4.1 | 1 4.2 | |
| Thoracic surgery - integrated | 54.4 | 16.0 | 28.8 | 4.6 5.0 | |
| Urology | 43.2 | 10.2 | 25.4 3.6 4.0 | | |
| Transitional year | 30.3 | 11.0 | 13.7 <mark>2.0</mark> 3.6 | | |
| Internal medicine/Pediatrics | 38.3 | 19.0 | 13.4 2.2 3.8 | | |
| | | 0 | 25 | 50 | 75 |
| | | _ | Administration Clinical Supervision | Research | Teaching/Didactics |

TABLE G.8

Number of Physician Faculty Members and Mean Number of Physician Faculty Members per Program by Specialty and Subspecialty

| Specialty | Total Programs | Total Number of Physician Faculty | Mean | MIN | MAX |
|--|----------------|--------------------------------------|---------|-----|-----|
| OVERALL | 13,066 | 201,433 | 15.4 | 0 | 168 |
| TOTAL PIPELINE | 5,382 | 130,786 | 24.3 | 1 | 168 |
| Allergy and immunology | 87 | 815 | 9.4 | 2 | 32 |
| Anesthesiology | 165 | 9,048 | 54.8 | 9 | 168 |
| - Adult cardiothoracic anesthesiology | 75 | 1,091 | 14.5 | 5 | 33 |
| - Critical care medicine | 65 | 880 | 13.5 | 4 | 39 |
| - Regional anesthesiology and acute pain medicine | 42 | 473 | 11.3 | 3 | 24 |
| - Pediatric cardiac anesthesiology | 15 | 169 | 11.3 | 7 | 18 |
| - Obstetric anesthesiology | 41 | 424 | 10.3 | 3 | 21 |
| - Pain medicine (multidisciplinary) | 115 | 1,037 | 9.0 | 3 | 31 |
| - Pediatric anesthesiology | 62 | 965 | 15.6 | 4 | 55 |
| Colon and rectal surgery | 68 | 487 | 7.2 | 2 | 21 |
| Dermatology | 144 | 2,290 | 15.9 | 2 | 45 |
| - Dermatopathology (multidisciplinary) | 57 | 334 | 5.9 | 2 | 15 |
| - Micrographic surgery and dermatologic oncology | 81 | 332 | 4.1 | 1 | 13 |
| - Merographic surgery and dermatologic oncology - Pediatric dermatology | 29 | | 3.8 | 2 | 15 |
| Emergency medicine | 29 | 6.071 | 21.2 | 5 | 73 |
| | 83 | , | | 2 | 10 |
| - Emergency medical services - Medical toxicology | 30 | 381 170 | 4.6 5.7 | 1 | 10 |
| | 29 | | | | 24 |
| - Pediatric emergency medicine | | 327 | 11.3 | 3 | |
| - Sports medicine | 9 | 54 | 6.0 | 3 | 9 |
| - Undersea and hyperbaric medicine | 8 | 28 | 3.5 | 2 | 7 |
| Family medicine | 756 | 17,567 | 23.2 | 2 | 94 |
| - Clinical informatics | 8 | 59 | 7.4 | 1 | 13 |
| - Geriatric medicine | 46 | 292 | 6.3 | 1 | 19 |
| - Hospice and palliative medicine (multidisciplinary) | 191 | 1,589 | 8.3 | 2 | 22 |
| - Sports medicine | 171 | 1,170 | 6.8 | 1 | 24 |
| Internal medicine | 627 | 13,146 | 21.0 | 3 | 147 |
| - Adult congenital heart disease | 27 | 156 | 5.8 | 2 | 12 |
| - Advanced heart failure and transplant cardiology | 84 | 492 | 5.9 | 0 | 19 |
| - Cardiovascular disease | 273 | 4,001 | 14.7 | 3 | 66 |
| - Clinical cardiac electrophysiology | 116 | 612 | 5.3 | 1 | 17 |
| - Clinical informatics | 32 | 252 | 7.9 | 1 | 13 |
| - Critical care medicine | 66 | 671 | 10.2 | 3 | 27 |
| - Endocrinology, diabetes, and metabolism | 159 | 1,267 | 8.0 | 2 | 27 |
| - Gastroenterology | 229 | 2,709 | 11.8 | 2 | 52 |
| - Geriatric medicine | 119 | 845 | 7.1 | 1 | 18 |
| - Hematology and medical oncology | 184 | 2,650 | 14.4 | 3 | 56 |
| - Infectious disease | 167 | 1,673 | 10.0 | 1 | 39 |
| - Interventional cardiology | 180 | 932 | 5.2 | 1 | 14 |
| - Nephrology | 152 | 1,542 | 10.1 | 2 | 40 |
| - Medical oncology | 3 | 15 | 5.0 | 3 | 7 |
| - Pulmonary disease | 22 | 127 | 5.8 | 2 | 11 |
| - Pulmonary disease and critical care medicine | 202 | 2,786 | 13.8 | 4 | 49 |
| - Rheumatology | 129 | 985 | 7.6 | 1 | 23 |
| - Sleep medicine (multidisciplinary) | 96 | 591 | 6.2 | 2 | 18 |
| - Transplant hepatology | 66 | 385 | 5.8 | 1 | 11 |
| Medical genetics and genomics | 47 | 505 | 10.7 | 1 | 46 |
| - Medical biochemical genetics | 22 | 128 | 5.8 | 2 | 15 |
| - Molecular genetic pathology (multidisciplinary) | 42 | 240 | 5.7 | 1 | 17 |
| Neurological surgery | 117 | 2,121 | 18.1 | 4 | 36 |
| - Neuroendovascular intervention | 3 | 15 | 5.0 | 3 | 8 |

TABLE G.8 Continued

Number of Physician Faculty Members and Mean Number of Physician Faculty Members per Program by Specialty and Subspecialty

| Specialty | Total Programs | Total Number of Physician Faculty | Mean | MIN | MAX |
|---|----------------|--------------------------------------|-------------------|-----|----------|
| Neurology | 180 | 5,661 | 31.4 | 8 | 101 |
| - Clinical neurophysiology | 95 | 917 | 9.7 | 3 | 23 |
| - Epilepsy | 95 | 815 | 8.6 | 2 | 22 |
| - Neurocritical care (multidisciplinary) | 35 | 354 | 10.1 | 2 | 25 |
| - Neuroendovascular intervention | 2 | 6 | 3.0 | 2 | 4 |
| - Neurodevelopmental disabilities | 8 | 115 | 14.4 | 3 | 30 |
| - Neuromuscular medicine | 55 | 393 | 7.1 | 0 | 16 |
| - Vascular neurology | 112 | 835 | 7.5 | 2 | 24 |
| Child neurology | 80 | 1,392 | 17.4 | 3 | 49 |
| Nuclear medicine | 36 | 209 | 5.8 | 2 | 16 |
| Obstetrics and gynecology | 302 | 8,518 | 28.2 | 8 | 92 |
| - Female pelvic medicine and reconstructive surgery | 57 | 377 | 6.6 | 3 | 11 |
| - Gynecologic oncology | 71 | 596 | 8.4 | 3 | 20 |
| - Maternal-fetal medicine | 104 | 1,202 | 11.6 | 2 | 27 |
| - Reproductive endocrinology and infertility | 49 | 412 | 8.4 | 2 | 25 |
| - Complex family planning | 32 | 153 | 4.8 | 1 | 10 |
| Ophthalmology | 125 | 3,192 | 25.5 | 5 | 67 |
| - Ophthalmic plastic and reconstructive surgery | 4 | 9 | 2.3 | 1 | 4 |
| Orthopaedic surgery | 208 | 6,118 | 29.4 | 10 | 91 |
| - Adult reconstructive orthopaedics | 25 | 157 | 6.3 | 2 | 17 |
| - Foot and ankle orthopaedics | 8 | 35 | 4.4 | 2 | 10 |
| - Hand surgery | 74 | 530 | 7.2 | 3 | 10 |
| - Musculoskeletal oncology | 12 | 45 | 3.8 | 1 | 8 |
| - Orthopaedic sports medicine | 93 | 620 | 6.7 | 1 | 24 |
| - Orthopaedic surgery of the spine | 15 | 82 | 5.5 | 2 | 13 |
| - Orthopaedic trauma | 12 | 61 | 5.1 | 2 | 15 |
| - Pediatric orthopaedics | 25 | 226 | 9.0 | 3 | 21 |
| Osteopathic neuromusculoskeletal medicine | 25 | 320 | 12.3 | 6 | 21 |
| Otolaryngology - head and neck surgery | 131 | 2,880 | 22.0 | 6 | 50 |
| - Neurotology | 29 | 140 | 4.8 | 1 | 12 |
| - Pediatric otolaryngology | 34 | 313 | 9.2 | 4 | 21 |
| Pathology-anatomic and clinical | 146 | 3,963 | 27.1 | 8 | 66 |
| | 54 | 288 | 5.3 | 0 | 12 |
| - Blood banking/transfusion medicine | 10 | | 5.9 | 3 | 9 |
| - Clinical informatics | 4 | 59 9 | 2.3 | 0 | 4 |
| - Chemical pathology | | - | | | |
| - Cytopathology | 93 49 | 538 303 | <u>5.8</u> 6.2 | 1 2 | 15 15 |
| - Forensic pathology | | | | | |
| - Hematopathology | 87 | 566 | 6.5 | 0 | 26 |
| - Medical microbiology | 16 | 41 | 2.6 | 0 | 7 |
| - Neuropathology | 40 | 183 | 4.6 | 1 | 10 |
| - Pediatric pathology | 27 | 211 | 7.8 | 2 | 18 |
| - Selective pathology | 124 | 862 | 7.0 | 1 | 27 |
| Pediatrics | 213 | 7,952 | 37.3 | 15 | 152 |
| - Adolescent medicine | 34 | 226 | 6.6 | 1 | 22 |
| - Child abuse pediatrics | 32 | 128 | 4.0 | 1 | 12 |
| - Clinical informatics | 9 | 88 | 9.8 | 2 | 22 |
| - Developmental-behavioral pediatrics | 44 | 268 | 6.1 | 0 | 14 |
| - Neonatal-perinatal medicine | 110 | 1695 | 15.4 | 5 | 46 |
| - Pediatric cardiology | 64 | 1,115 | 17.4 | 3 | 57 |
| - Pediatric critical care medicine | 76 | 1,182 | 15.6 | 4 | 39 |
| - Pediatric emergency medicine | 58 | 1,157 | 19.9 | 5 | 66 |
| - Pediatric endocrinology | 73 | 591 | 8.1 | 2 | 28 |
| - Pediatric gastroenterology | 67 | 703 | 10.5 | 3 | 31 |
| - Pediatric hematology/oncology | 78 | 1,217 | 15.6 | 4 | 50 |
| - Pediatric infectious diseases | 64 | 548 | 8.6 | 1 | 27 |

TABLE G.8 Continued

Number of Physician Faculty Members and Mean Number of Physician Faculty Members per Program by Specialty and Subspecialty

| Specialty | Total Programs | Total Number of Physician Faculty | Mean | MIN | MAX |
|--|----------------|--------------------------------------|------|-----|-----|
| - Pediatric nephrology | 48 | 313 | 6.5 | 1 | 16 |
| Pediatric pulmonology | 57 | 511 | 9.0 | 2 | 26 |
| - Pediatric rheumatology | 37 | 194 | 5.2 | 2 | 13 |
| Sports medicine | 17 | 125 | 7.4 | 3 | 15 |
| Pediatric transplant hepatology | 17 | 94 | 5.5 | 3 | 11 |
| Pediatric hospital medicine | 68 | 963 | 14.2 | 4 | 28 |
| Physical medicine and rehabilitation | 101 | 2,225 | 22.0 | 5 | 55 |
| - Brain injury medicine | 27 | 162 | 6.0 | 2 | 12 |
| Neuromuscular medicine | 1 | 5 | 5.0 | 5 | 5 |
| Spinal cord injury medicine | 26 | 167 | 6.4 | 3 | 13 |
| Pediatric rehabilitation medicine | 22 | 144 | 6.5 | 2 | 14 |
| - Sports medicine | 22 | 169 | 7.7 | 2 | 17 |
| Plastic surgery | 49 | 766 | 15.6 | 4 | 33 |
| Plastic Surgery - integrated | 89 | 1,806 | 20.3 | 5 | 54 |
| - Craniofacial surgery | 9 | 31 | 3.4 | 1 | 6 |
| - Hand surgery | 19 | 120 | 6.3 | 3 | 13 |
| Public health and general preventive medicine | 43 | 462 | 10.7 | 1 | 30 |
| Aerospace medicine | 45 | 402 | 8.6 | 5 | 11 |
| Occupational and environmental medicine | 23 | 216 | 9.4 | 2 | 30 |
| Undersea and hyperbaric medicine | 1 | 4 | 4 | 4 | 4 |
| Psychiatry | 304 | 6,672 | 21.9 | 4 | 75 |
| | 96 | 782 | 8.1 | 2 | 20 |
| Addiction medicine (multidisciplinary) | 55 | 399 | 7.3 | 1 | 15 |
| Addiction psychiatry | 153 | | 9.8 | 1 | 28 |
| Child and adolescent psychiatry | | 1,505 291 | | | |
| Forensic psychiatry | 49 | | 5.9 | 1 | 16 |
| Geriatric psychiatry | 63 | 420 | 6.7 | 1 | 15 |
| Consultation-liaison psychiatry | 67 | 478 | 7.1 | 2 | 31 |
| Radiation oncology | 90 | 1,263 | 14.0 | 4 | 57 |
| Radiology-diagnostic | 199 | 6,655 | 33.4 | 8 | 103 |
| Abdominal radiology | 13 | 137 | 10.5 | 5 | 18 |
| - Neuroendovascular intervention | 3 | 11 | 3.7 | 3 | 4 |
| Musculoskeletal radiology | 21 | 144 | 6.9 | 1 | 23 |
| Neuroradiology | 91 | 905 | 9.9 | 2 | 34 |
| - Nuclear radiology | 19 | 106 | 5.6 | 1 | 19 |
| Pediatric radiology | 46 | 551 | 12.0 | 1 | 43 |
| Interventional radiology - independent | 94 | 846 | 9.0 | 2 | 29 |
| Interventional radiology - integrated | 95 | 2,429 | 25.6 | 10 | 76 |
| Surgery | 363 | 11,229 | 30.9 | 4 | 134 |
| Complex general surgical oncology | 34 | 580 | 17.1 | 9 | 33 |
| Hand surgery | 2 | 19 | 9.5 | 6 | 13 |
| Pediatric surgery | 51 | 509 | 10.0 | 2 | 20 |
| Surgical critical care | 162 | 1,672 | 10.3 | 2 | 31 |
| Vascular surgery | 119 | 917 | 7.7 | 2 | 18 |
| Vascular surgery - integrated | 76 | 1,018 | 13.4 | 2 | 61 |
| Thoracic surgery | 75 | 1,050 | 14.0 | 3 | 36 |
| Congenital cardiac surgery | 17 | 68 | 4.0 | 1 | 10 |
| Fhoracic surgery - integrated | 34 | 806 | 23.7 | 6 | 76 |
| Urology | 150 | 2,674 | 17.8 | 5 | 40 |
| Female pelvic medicine and reconstructive surgery | 17 | 131 | 7.7 | 3 | 14 |
| Pediatric urology | 26 | 139 | 5.3 | 2 | 15 |
| Transitional year | 188 | 2,182 | 11.6 | 3 | 60 |
| Internal medicine/Pediatrics | 77 | 723 | 9.4 | 2 | 26 |
| Health care administration, leadership, and management | 2 | 16 | 8.0 | 3 | 13 |

Notes: Excluding program directors. Total number of physician faculty does not represent the count of distinct people as individuals may be listed in more than one program. Total number of distinct physician faculty across all programs = 159,992. Pipeline specialties are highlighted.

| TABLE G.9 | | | | | |
|---|--------------------|-------------------------------|------|-----|-----|
| Total Number of Core Faculty Members an | d Core Faculty Mem | bers per Program by Specialty | | | |
| Specialty | Total Programs | Total Number of Core Faculty | Mean | MIN | MAX |
| OVERALL | 5,706 | 71,997 | 12.6 | 0 | 86 |
| Allergy and immunology | 87 | 473 | 5.4 | 1 | 15 |
| Anesthesiology | 165 | 3,985 | 24.2 | 5 | 86 |
| Colon and rectal surgery | 68 | 378 | 5.6 | 2 | 17 |
| Dermatology | 144 | 1,456 | 10.1 | 1 | 26 |
| Emergency medicine | 287 | 3,899 | 13.6 | 4 | 50 |
| Family medicine | 756 | 5,251 | 6.9 | 1 | 33 |
| Internal medicine | 627 | 6,817 | 10.9 | 2 | 52 |
| Medical genetics and genomics | 47 | 249 | 5.3 | 1 | 19 |
| Neurological surgery | 117 | 1,449 | 12.4 | 4 | 28 |
| Neurology | 180 | 2,870 | 15.9 | 3 | 67 |
| Child neurology | 80 | 831 | 10.4 | 3 | 30 |
| Nuclear medicine | 36 | 169 | 4.7 | 1 | 9 |
| Obstetrics and gynecology | 302 | 4,825 | 16.0 | 1 | 59 |
| Ophthalmology | 125 | 1,785 | 14.3 | 2 | 36 |
| Orthopaedic surgery | 208 | 3,721 | 17.9 | 3 | 55 |
| Osteopathic neuromusculoskeletal medicine | 26 | 83 | 3.2 | 1 | 6 |
| Otolaryngology - head and neck surgery | 131 | 1,989 | 15.2 | 3 | 39 |
| Pathology-anatomic and clinical | 146 | 2,348 | 16.1 | 3 | 59 |
| Pediatrics | 213 | 4,995 | 23.5 | 4 | 53 |
| Physical medicine and rehabilitation | 101 | 1,387 | 13.7 | 3 | 51 |
| Plastic surgery | 49 | 488 | 10.0 | 3 | 33 |
| Plastic Surgery - integrated | 89 | 916 | 10.3 | 2 | 33 |
| Public health and general preventive medicine | 43 | 181 | 4.2 | 0 | 11 |
| Aerospace medicine | 5 | 25 | 5.0 | 2 | 6 |
| Occupational and environmental medicine | 23 | 101 | 4.4 | 2 | 8 |
| Psychiatry | 304 | 3,449 | 11.3 | 2 | 44 |
| Radiation oncology | 90 | 1.016 | 11.3 | 3 | 41 |
| Radiology-diagnostic | 199 | 3,948 | 19.8 | 5 | 77 |
| Interventional radiology - integrated | 95 | 1,809 | 19.0 | 4 | 49 |
| Surgery | 363 | 5,661 | 15.6 | 1 | 80 |
| Vascular surgery - integrated | 76 | 644 | 8.5 | 2 | 29 |
| Thoracic surgery | 75 | 841 | 11.2 | 2 | 27 |
| Thoracic surgery - integrated | 34 | 474 | 13.9 | 4 | 29 |
| Urology | 150 | 1,821 | 12.1 | 3 | 37 |
| Transitional year | 188 | 1137 | 6.0 | 2 | 20 |
| Internal medicine/Pediatrics | 77 | 526 | 6.8 | 1 | 17 |

Notes: Excluding program directors. Total number of core faculty does not represent the count of distinct people as individuals may be listed in more than one program. Total number of distinct core faculty in specialty programs = 67,826.

| Anesthesiology | 24.2 |
|---|------|
| Pediatrics | 23.5 |
| Radiology-diagnostic | 19.8 |
| Interventional radiology - integrated | 19 |
| Orthopaedic surgery | 17.9 |
| Pathology-anatomic and clinical | 16.1 |
| Obstetrics and gynecology | 16 |
| Neurology | 15.9 |
| Surgery | 15.6 |
| Otolaryngology - head and neck surgery | 15.2 |
| Ophthalmology | 14.3 |
| Thoracic surgery - integrated | 13.9 |
| Physical medicine and rehabilitation | 13.7 |
| Emergency medicine | 13.6 |
| Neurological surgery | 12.4 |
| Urology | 12.1 |
| Psychiatry | 11.3 |
| Radiation oncology | 11.3 |
| Thoracic surgery | 11.2 |
| Internal medicine | 10.9 |
| Child neurology | 10.4 |
| Plastic Surgery - integrated | 10.3 |
| Dermatology | 10.1 |
| Plastic surgery | 10 |
| Vascular surgery - integrated | 8.5 |
| Family medicine | 6.9 |
| Internal medicine/Pediatrics | 6.8 |
| Transitional year | 6 |
| Colon and rectal surgery | 5.6 |
| Allergy and immunology | 5.4 |
| Medical genetics and genomics | 5.3 |
| Aerospace medicine | 5 |
| Nuclear medicine | 4.7 |
| Occupational and environmental medicine | 4.4 |
| Public health and general preventive medicine | 4.2 |

FIGURE G.11

Mean Number of Hours per Week Core Faculty Members Spent in Key Areas by Specialty

| OVERALL | 27.0 | 3.2 18.3 2.4 3.1 |
|---|---------|--|
| Allergy and immunology | 18.1 | 1.8 9.9 3.6 2.7 |
| Anesthesiology | 29.2 | 2.3 22.5 1.8 2.6 |
| Colon and rectal surgery | 27.9 | 1.7 20.7 2.6 2.9 |
| Dermatology | 23.0 | 2.4 15.9 2.2 2.4 |
| Emergency medicine | 32.9 | 5.2 20.2 3.1 4.3 |
| Family medicine | 26.5 | 6.5 15.6 1.4 2.9 |
| Internal medicine | 24.8 | 4.9 14.3 2.3 3.5 |
| Medical genetics and genomics | 17.7 | 1.8 9.4 3.7 2.8 |
| Neurological surgery | 35.3 | 3.1 23.3 5.1 3.9 |
| Neurology | 19.5 | 2.2 12.1 2.4 2.8 |
| Child neurology | 19.1 | 2.1 11.5 2.7 2.9 |
| Nuclear medicine | 34.4 | 2.7 22.7 4.2 4.8 |
| Obstetrics and gynecology | 23.0 | 2.1 17.2 1.6 2.1 |
| Ophthalmology | 23.0 | 2.3 16.4 2.2 2.1 |
| Orthopaedic surgery | 32.5 | 2.4 24.0 2.8 3.4 |
| Osteopathic neuromusculoskeletal medicine | 14.8 | 1.9 9.7 1.0 2.1 |
| Otolaryngology - head and neck surgery | 31.5 | 2.4 22.4 3.6 3.1 |
| Pathology-anatomic and clinical | 19.1 | 2.0 11.5 2.2 3.3 |
| Pediatrics | 23.4 | 3.5 15.0 1.8 3.0 |
| Physical medicine and rehabilitation | 24.1 | 2.1 18.4 1.4 2.3 |
| Plastic surgery | 31.6 | 2.5 22.8 3.3 3.1 |
| Plastic Surgery - integrated | 35.5 | 3.1 25.0 3.8 3.5 |
| Public health and general preventive medicine | 13.0 | 2.7 4.3 3.1 2.9 |
| Aerospace medicine | 20.6 | 4.3 8.1 2.7 5.6 |
| Occupational and environmental medicine | 17.4 | 3.1 8.1 3.0 3.3 |
| Psychiatry | 20.4 | 3.0 13.8 1.4 2.2 |
| Radiation oncology | 25.6 | 1.6 17.3 <u>3.6</u> 2.9 |
| Radiology-diagnostic | 33.3 | 2.3 25.1 2.4 3.5 |
| Interventional radiology - integrated | 34.0 | 2.5 25.6 2.6 3.2 |
| Surgery | 30.8 | 3.1 21.1 2.9 3.7 |
| Vascular surgery - integrated | 32.9 | 2.9 22.2 3.9 4.0 |
| Thoracic surgery | 35.4 | 3.4 23.7 4.4 3.9 |
| Thoracic surgery - integrated | 34.4 | 3.1 24.0 3.7 3.7 |
| Urology | 30.1 | 2.5 21.4 3.3 2.9 |
| Transitional year | 21.1 | 3.1 13.7 1.3 3.0 |
| Internal medicine/Pediatrics | 21.1 | 5.1 11.7 1.5 2.8 |
| | Adminis | 0 25 tration Clinical Supervision Research Teaching/Didactics |

TABLE G.12

Number and Percent of Program Coordinator Changes

| | | Nun | nber of Progra Program Co | | Number of Programs with Program Coordinator Changes | | Number of New Program | |
|--|----------|-------|------------------------------|-------|---|-------|--------------------------|--------------|
| | Total | No | | Yes | | | | |
| Specialty | Programs | Ν | % | N | % | N | % | Coordinators |
| OVERALL | 13,066 | 7,386 | 56.5% | 5,680 | 43.5% | 1,988 | 15.2% | 2,454 |
| TOTAL PIPELINE | 5,382 | 3,065 | 56.9% | 2,317 | 43.1% | 840 | 15.6% | 1,030 |
| Allergy and immunology | 87 | 49 | 56.3% | 38 | 43.7% | 11 | 12.6% | 15 |
| Anesthesiology | 165 | 71 | 43.0% | 94 | 57.0% | 30 | 18.2% | 35 |
| - Adult cardiothoracic anesthesiology | 75 | 28 | 37.3% | 47 | 62.7% | 8 | 10.7% | 16 |
| - Critical care medicine | 65 | 25 | 38.5% | 40 | 61.5% | 9 | 13.8% | 18 |
| - Regional anesthesiology and acute pain medicine | 42 | 17 | 40.5% | 25 | 59.5% | 6 | 14.3% | 10 |
| - Pediatric cardiac anesthesiology | 15 | 6 | 40.0% | 9 | 60.0% | 1 | 6.7% | 1 |
| - Obstetric anesthesiology | 41 | 17 | 41.5% | 24 | 58.5% | 5 | 12.2% | 7 |
| - Pain medicine (multidisciplinary) | 115 | 65 | 56.5% | 50 | 43.5% | 16 | 13.9% | 21 |
| - Pediatric anesthesiology | 62 | 27 | 43.5% | 35 | 56.5% | 4 | 6.5% | 9 |
| Colon and rectal surgery | 68 | 37 | 54.4% | 31 | 45.6% | 9 | 13.2% | 11 |
| Dermatology | 144 | 96 | 66.7% | 48 | 33.3% | 26 | 18.1% | 31 |
| - Dermatopathology (multidisciplinary) | 57 | 37 | 64.9% | 20 | 35.1% | 8 | 14.0% | 8 |
| Micrographic surgery and dermatologic oncology | 81 | 64 | 79.0% | 17 | 21.0% | 6 | 7.4% | 8 |
| - Pediatric dermatology | 29 | 19 | 65.5% | 10 | 34.5% | 3 | 10.3% | 3 |
| Emergency medicine | 287 | 138 | 48.1% | 149 | 51.9% | 51 | 17.8% | 72 |
| - Emergency medical services | 83 | 51 | 61.4% | 32 | 38.6% | 16 | 19.3% | 18 |
| - Medical toxicology | 30 | 14 | 46.7% | 16 | 53.3% | 2 | 6.7% | 2 |
| - Pediatric emergency medicine | 29 | 17 | 58.6% | 10 | 41.4% | 2 | 6.9% | 3 |
| - Sports medicine | 9 | 6 | 66.7% | 3 | 33.3% | 1 | 11.1% | 1 |
| - Undersea and hyperbaric medicine | 8 | 4 | 50.0% | 4 | 50.0% | 0 | 0.0% | 0 |
| Family medicine | 756 | 519 | 68.7% | 237 | 31.3% | 123 | 16.3% | 140 |
| - Clinical informatics | 8 | 4 | 50.0% | 4 | 50.0% | 0 | 0.0% | 0 |
| - Geriatric medicine | 46 | 38 | 82.6% | 8 | 17.4% | 6 | 13.0% | 7 |
| - Hospice and palliative medicine (multidisciplinary) | 10 | 131 | 68.6% | 60 | 31.4% | 30 | 15.7% | 35 |
| - Sports medicine | 171 | 137 | 80.1% | 34 | 19.9% | 19 | 11.1% | 26 |
| Internal medicine | 627 | 326 | 52.0% | 301 | 48.0% | 99 | 15.8% | 121 |
| - Adult congenital heart disease | 27 | 8 | 29.6% | 19 | 70.4% | 6 | 22.2% | 6 |
| - Advanced heart failure and transplant cardiology | 84 | 35 | 41.7% | 49 | 58.3% | 14 | 16.7% | 17 |
| - Cardiovascular disease | 273 | 161 | 59.0% | 112 | 41.0% | 44 | 16.1% | 56 |
| - Clinical cardiac electrophysiology | 116 | 58 | 50.0% | 58 | 50.0% | 18 | 15.5% | 23 |
| - Clinical informatics | 32 | 15 | 46.9% | 17 | 53.1% | 10 | 3.1% | 1 |
| - Critical care medicine | 66 | 41 | 40.5% 62.1% | 25 | 37.9% | 12 | 18.2% | 15 |
| | 159 | 100 | 62.1% 62.9% | 59 | 37.9% | 33 | 20.8% | 36 |
| - Endocrinology, diabetes, and metabolism - Gastroenterology | 229 | 158 | 69.0% | 71 | 31.0% | 31 | 13.5% | 39 |
| - Gastroenterology - Geriatric medicine | 119 | 87 | 73.1% | 32 | 26.9% | 18 | 15.1% | 22 |
| | 119 | 121 | 65.8% | 63 | 34.2% | 27 | 14.7% | 34 |
| - Hematology and medical oncology - Infectious disease | 164 | 121 | 61.7% | 64 | 34.2% 38.3% | 27 | 14.7% | 34 |
| - Interventional cardiology | 180 | 98 | 54.4% | 82 | 45.6% | 20 | 15.0% | 30 |
| - Interventional cardiology - Nephrology | 152 | | 70.4% | | | 20 | 14.4% | 32 |
| 1 0/ | | 107 | | 45 | 29.6% | | | |
| - Medical oncology | 3 22 | 2 | 66.7% | 1 | 33.3% | 0 | 0.0% | 0 |
| - Pulmonary disease | | 14 | 63.6% | 8 | 36.4% | 3 | 13.6% | 4 |
| Pulmonary disease and critical care medicine Rheumatology | 202 | 127 | 62.9% | 75 | 37.1% | 22 | 10.9% | 30 |
| | 129 | 81 | 62.8% | 48 | 37.2% | 21 | 16.3% | 28 |
| - Sleep medicine (multidisciplinary) | 96 | 60 | 62.5% | 36 | 37.5% | 14 | 14.6% | 16 |
| - Transplant hepatology | 66 | 42 | 63.6% | 24 | 36.4% | 7 | 10.6% | 10 |
| Medical genetics and genomics | 47 | 26 | 55.3% | 21 | 44.7% | 7 | 14.9% | 9 |
| - Medical biochemical genetics | 22 | 12 | 54.5% | 10 | 45.5% | 2 | 9.1% | 2 |
| - Molecular genetic pathology (multidisciplinary) | 42 | 16 | 38.1% | 26 | 61.9% | 7 | 16.7% | 8 |
| Neurological surgery | 117 | 79 | 67.5% | 38 | 32.5% | 13 | 11.1% | 14 |
| - Neuroendovascular intervention | 3 | 2 | 66.7% | 1 | 33.3% | 0 | 0.0% | 0 |

| Number and Percent of Program Coordina | ator Changes | | | | | | | |
|---|-------------------|--|---------|-----|---------|----|---|--|
| | | Number of Programs with Multiple Program Coordinators | | | | | Number of Programs with Program Coordinator Changes | |
| Specialty | Total Programs | N | lo % | Y | es % | N | % | Number of New Program Coordinators |
| Neurology | 180 | 100 | 55.6% | 80 | 44.4% | 26 | 14.4% | 34 |
| - Clinical neurophysiology | 95 | 43 | 45.3% | 52 | 54.7% | 17 | 17.9% | 22 |
| - Epilepsy | 95 | 41 | 43.2% | 54 | 56.8% | 14 | 14.7% | 19 |
| - Neurocritical care (multidisciplinary) | 35 | 15 | 42.9% | 20 | 57.1% | 1 | 2.9% | 13 |
| - Neuroendovascular intervention | 2 | 10 | 50.0% | 1 | 50.0% | 1 | 50.0% | 1 |
| - Neurodevelopmental disabilities | 8 | 4 | 50.0% | 4 | 50.0% | 2 | 25.0% | 5 |
| - Neuromuscular medicine | 55 | 24 | 43.6% | 31 | 56.4% | 6 | 10.9% | 8 |
| - Vascular neurology | 112 | 52 | 46.4% | 60 | 53.6% | 18 | 16.1% | 20 |
| Child neurology | 80 | 38 | 47.5% | 42 | 52.5% | 16 | 20.0% | 23 |
| Nuclear medicine | 36 | 20 | 55.6% | 16 | 44.4% | 5 | 13.9% | 6 |
| Obstetrics and gynecology | 302 | 187 | 61.9% | 115 | 38.1% | 50 | 16.6% | 63 |
| - Female pelvic medicine and reconstructive surgery | 57 | 29 | 50.9% | 28 | 49.1% | 13 | 22.8% | 15 |
| - Gynecologic oncology | 71 | 41 | 57.7% | 30 | 42.3% | 12 | 16.9% | 16 |
| - Maternal-fetal medicine | 104 | 58 | 55.8% | 46 | 44.2% | 22 | 21.2% | 28 |
| - Reproductive endocrinology and infertility | 49 | 25 | 51.0% | 24 | 49.0% | 8 | 16.3% | 13 |
| - Complex family planning | 32 | 13 | 40.6% | 19 | 59.4% | 11 | 34.4% | 14 |
| Ophthalmology | 125 | 80 | 64.0% | 45 | 36.0% | 22 | 17.6% | 27 |
| - Ophthalmic plastic and reconstructive surgery | 4 | 3 | 75.0% | 1 | 25.0% | 1 | 25.0% | 1 |
| Orthopaedic surgery | 208 | 109 | 52.4% | 99 | 47.6% | 38 | 18.3% | 43 |
| - Adult reconstructive orthopaedics | 25 | 10 | 40.0% | 15 | 60.0% | 4 | 16.0% | 4 |
| - Foot and ankle orthopaedics | 8 | 3 | 37.5% | 5 | 62.5% | 3 | 37.5% | 3 |
| - Hand surgery | 74 | 44 | 59.5% | 30 | 40.5% | 8 | 10.8% | 9 |
| - Musculoskeletal oncology | 12 | 6 | 50.0% | 6 | 50.0% | 1 | 8.3% | 1 |
| - Orthopaedic sports medicine | 93 | 55 | 59.1% | 38 | 40.9% | 13 | 14.0% | 15 |
| - Orthopaedic surgery of the spine | 15 | 7 | 46.7% | 8 | 53.3% | 2 | 13.3% | 2 |
| - Orthopaedic trauma | 12 | 4 | 33.3% | 8 | 66.7% | 3 | 25.0% | 3 |
| - Pediatric orthopaedics | 25 | 12 | 48.0% | 13 | 52.0% | 5 | 20.0% | 6 |
| Osteopathic neuromusculoskeletal medicine | 26 | 18 | 69.2% | 8 | 30.8% | 6 | 23.1% | 10 |
| Otolaryngology - head and neck surgery | 131 | 88 | 67.2% | 43 | 32.8% | 16 | 12.2% | 19 |
| - Neurotology | 29 | 19 | 65.5% | 10 | 34.5% | 2 | 6.9% | 2 |
| - Pediatric otolaryngology | 34 | 17 | 50.0% | 17 | 50.0% | 3 | 8.8% | 3 |
| Pathology-anatomic and clinical | 146 | 87 | 59.6% | 59 | 40.4% | 18 | 12.3% | 21 |
| - Blood banking/transfusion medicine | 54 | 32 | 59.3% | 22 | 40.7% | 6 | 11.1% | 9 |
| - Clinical informatics | 10 | 6 | 60.0% | 4 | 40.0% | 3 | 30.0% | 4 |
| - Chemical pathology | 4 | 3 | 75.0% | 1 | 25.0% | 0 | 0.0% | 0 |
| - Cytopathology | 93 | 54 | 58.1% | 39 | 41.9% | 13 | 14.0% | 15 |
| - Forensic pathology | 49 | 29 | 59.2% | 20 | 40.8% | 4 | 8.2% | 4 |
| - Hematopathology | 87 | 48 | 55.2% | 39 | 44.8% | 14 | 16.1% | 17 |
| - Medical microbiology | 16 | 5 | 31.3% | 11 | 68.8% | 5 | 31.3% | 6 |
| - Neuropathology | 40 | 15 | 37.5% | 25 | 62.5% | 8 | 20.0% | 10 |
| - Pediatric pathology | 27 | 11 | 40.7% | 16 | 59.3% | 7 | 25.9% | 9 |
| - Selective pathology | 124 | 58 | 46.8% | 66 | 53.2% | 16 | 12.9% | 20 |
| Pediatrics | 213 | 110 | 51.6% | 103 | 48.4% | 29 | 13.6% | 35 |
| - Adolescent medicine | 34 | 18 | 52.9% | 16 | 47.1% | 7 | 20.6% | 9 |
| - Child abuse pediatrics | 32 | 20 | 62.5% | 12 | 37.5% | 2 | 6.3% | 2 |
| - Clinical informatics | 9 | 3 | 33.3% | 6 | 66.7% | 2 | 22.2% | 2 |
| - Developmental-behavioral pediatrics | 44 | 30 | 68.2% | 14 | 31.8% | 9 | 20.5% | 12 |
| - Neonatal-perinatal medicine | 110 | 65 | 59.1% | 45 | 40.9% | 16 | 14.5% | 20 |
| - Pediatric cardiology | 64 | 20 | 31.3% | 44 | 68.8% | 10 | 15.6% | 12 |
| - Pediatric critical care medicine | 76 | 33 | 43.4% | 43 | 56.6% | 11 | 14.5% | 12 |
| - Pediatric emergency medicine | 58 | 32 | 55.2% | 26 | 44.8% | 7 | 12.1% | 11 |
| - Pediatric endocrinology | 73 | 38 | 52.1% | 35 | 47.9% | 10 | 13.7% | 12 |
| - Pediatric gastroenterology | 67 | 30 | 44.8% | 37 | 55.2% | 15 | 22.4% | 17 |
| - Pediatric hematology/oncology | 78 | 37 | 47.4% | 41 | 52.6% | 15 | 19.2% | 17 |
| - Pediatric infectious diseases | 64 | 34 | 53.1% | 30 | 46.9% | 15 | 23.4% | 19 |

| TABLE | G.12 | Continued | |
|-------|------|-----------|--|
|-------|------|-----------|--|

Number and Percent of Program Coordinator Changes

| | | Num | iber of Progra Program Co | | iple | with P | of Programs rogram for Changes | |
|---|----------|----------|------------------------------|---------|----------------|--------|--------------------------------------|--------------------------|
| | Total | N | 0 | | es | | 0 | Number of New Program |
| Specialty | Programs | N | % | N | % | N | % | Coordinators |
| - Pediatric nephrology | 48 | 22 | 45.8% | 26 | 54.2% | 5 | 10.4% | 6 |
| - Pediatric pulmonology | 57 | 30 | 52.6% | 27 | 47.4% | 17 | 29.8% | 19 |
| - Pediatric rheumatology | 37 | 14 | 37.8% | 23 | 62.2% | 5 | 13.5% | 8 |
| - Sports medicine | 17 | 11 | 64.7% | 6 | 35.3% | 2 | 11.8% | 2 |
| - Pediatric transplant hepatology | 17 | 10 | 58.8% | 7 | 41.2% | 3 | 17.6% | 3 |
| - Pediatric hospital medicine | 68 | 31 | 45.6% | 37 | 54.4% | 11 | 16.2% | 14 |
| Physical medicine and rehabilitation | 101 | 66 | 65.3% | 35 | 34.7% | 16 | 15.8% | 18 |
| - Brain injury medicine | 27 | 16 | 59.3% | 11 | 40.7% | 7 | 25.9% | 7 |
| - Neuromuscular medicine | 1 | 0 | 0.0% | 1 | 100.0% | 0 | 0.0% | 0 |
| - Spinal cord injury medicine | 26 | 15 | 57.7% | 11 | 42.3% | 5 | 19.2% | 6 |
| - Pediatric rehabilitation medicine | 20 | 5 | 22.7% | 17 | 77.3% | 3 | 13.6% | 3 |
| - Sports medicine | 22 | 9 | 40.9% | 13 | 59.1% | 3 | 13.6% | 3 |
| Plastic surgery | 49 | 29 | 59.2% | 20 | 40.8% | 7 | 14.3% | 8 |
| Plastic Surgery - integrated | 89 | 48 | 53.9% | 41 | 46.1% | 13 | 14.6% | 15 |
| - Craniofacial surgery | 9 | 40 | 44.4% | 41 5 | 40.1% 55.6% | 13 | 11.1% | 2 |
| | 19 | 12 | 63.2% | 7 | 36.8% | 0 | 0.0% | 0 |
| - Hand surgery Public health and general preventive medicine | 43 | 35 | 81.4% | 8 | 30.8% 18.6% | 2 | 0.0% 4.7% | 2 |
| Aerospace medicine | 43 | <u> </u> | 60.0% | 2 | 40.0% | 0 | 4.7% | 0 |
| I | 23 | | | | | | | - |
| Occupational and environmental medicine | | 16 | 69.6% | 7 | 30.4% | 3 | 13.0% | 3 |
| - Undersea and hyperbaric medicine | 1 | 0 | 0.0% | 1 | 100.0% | 0 | 0.0% | 0 |
| Psychiatry | 304 | 193 | 63.5% | 111 | 36.5% | 46 | 15.1% | 57 |
| - Addiction medicine (multidisciplinary) | 96 | 59 | 61.5% | 37 | 38.5% | 11 | 11.5% | 13 |
| - Addiction psychiatry | 55 | 25 | 45.5% | 30 | 54.5% | 4 | 7.3% | 5 |
| - Child and adolescent psychiatry | 153 | 96 | 62.7% | 57 | 37.3% | 18 | 11.8% | 21 |
| - Forensic psychiatry | 49 | 30 | 61.2% | 19 | 38.8% | 5 | 10.2% | 6 |
| - Geriatric psychiatry | 63 | 35 | 55.6% | 28 | 44.4% | 5 | 7.9% | 5 |
| - Consultation-liaison psychiatry | 67 | 40 | 59.7% | 27 | 40.3% | 7 | 10.4% | 7 |
| Radiation oncology | 90 | 63 | 70.0% | 27 | 30.0% | 7 | 7.8% | 8 |
| Radiology-diagnostic | 199 | 95 | 47.7% | 104 | 52.3% | 29 | 14.6% | 36 |
| - Abdominal radiology | 13 | 3 | 23.1% | 10 | 76.9% | 1 | 7.7% | 2 |
| - Neuroendovascular intervention | 3 | 1 | 33.3% | 2 | 66.7% | 0 | 0.0% | 0 |
| - Musculoskeletal radiology | 21 | 9 | 42.9% | 12 | 57.1% | 2 | 9.5% | 2 |
| - Neuroradiology | 91 | 36 | 39.6% | 55 | 60.4% | 12 | 13.2% | 17 |
| - Nuclear radiology | 19 | 4 | 21.1% | 15 | 78.9% | 4 | 21.1% | 6 |
| - Pediatric radiology | 46 | 27 | 58.7% | 19 | 41.3% | 9 | 19.6% | 11 |
| Interventional radiology - independent | 94 | 33 | 35.1% | 61 | 64.9% | 15 | 16.0% | 20 |
| Interventional radiology - integrated | 95 | 29 | 30.5% | 66 | 69.5% | 17 | 17.9% | 25 |
| Surgery | 363 | 164 | 45.2% | 199 | 54.8% | 60 | 16.5% | 72 |
| - Complex general surgical oncology | 34 | 18 | 52.9% | 16 | 47.1% | 9 | 26.5% | 11 |
| - Hand surgery | 2 | 1 | 50.0% | 1 | 50.0% | 0 | 0.0% | 0 |
| - Pediatric surgery | 51 | 27 | 52.9% | 24 | 47.1% | 9 | 17.6% | 11 |
| - Surgical critical care | 162 | 84 | 51.9% | 78 | 48.1% | 26 | 16.0% | 33 |
| - Vascular surgery | 119 | 65 | 54.6% | 54 | 45.4% | 20 | 16.8% | 24 |
| Vascular surgery - integrated | 76 | 32 | 42.1% | 44 | 57.9% | 15 | 19.7% | 16 |
| Thoracic surgery | 75 | 32 | 42.7% | 43 | 57.3% | 14 | 18.7% | 17 |
| - Congenital cardiac surgery | 17 | 8 | 47.1% | 9 | 52.9% | 3 | 17.6% | 3 |
| Thoracic surgery - integrated | 34 | 9 | 26.5% | 25 | 73.5% | 6 | 17.6% | 7 |
| Urology | 150 | 106 | 70.7% | 44 | 29.3% | 19 | 12.7% | 26 |
| - Female pelvic medicine and reconstructive surgery | 17 | 11 | 64.7% | 6 | 35.3% | 3 | 17.6% | 3 |
| - Pediatric urology | 26 | 16 | 61.5% | 10 | 38.5% | 4 | 15.4% | 5 |
| Transitional year | 188 | 126 | 67.0% | 62 | 33.0% | 32 | 17.0% | 37 |
| Internal medicine/Pediatrics | 77 | 52 | 67.5% | 25 | 32.5% | 10 | 13.0% | 14 |
| Health care administration, leadership, and management | 2 | 1 | 50.0% | 1 | 50.0% | 0 | 0.0% | 0 |

Program Directors and Faculty

Program Activities

This section summarizes what residents are taught about pain management, including the recognition of the signs of addiction, by specialty and subspecialty programs during the 2022-2023 academic year.

Pain Management and Recognition of Substance-Use Disorder

The following education types were offered to manage pain and recognize addiction by the highest percentage of specialty programs:

- Recognition of dependence and substance-use disorder (91.9%)
- Pharmacologic pain management (91.7%)
- Opioid prescribing and management, including opioid selection, dosage and duration (91.0%)
- Non-pharmacologic pain management (87.0%)

A similar trend can be seen in subspecialty programs. \wedge

TABLE H.1

Percentage of Programs Teaching Residents and Fellows to Manage Pain and Recognize Substance-Use Disorder by Type of Education and by Specialty and Subspecialty

| | Number | Pharm | lon- acologic nagement | | cologic Pain agement | Opioid P | rescribing | Depend Substa | nition of lence and nce-Use order | Depe and Su Use I | rral for indence ibstance- Disorder atment | Treatment of Dependence and Substance-Use Disorder | |
|---|------------|------------|------------------------------|------------|-------------------------|------------|-----------------|------------------|--|-------------------------|--|---|-------------------------|
| Specialty | Programs | # | % | # | % | # | % | # | % | # | % | # | % |
| OVERALL | 13,066 | 10,593 | 81.1% | 11,152 | 85.4% | 10,739 | 82.2% | 11,221 | 85.9% | 9,684 | 74.1% | 6,386 | 48.9% |
| TOTAL PIPELINE | 5,382 | 4,695 | 87.2% | | 92.0% | 4,910 | 91.2% | 4,957 | 92.1% | 4,498 | 83.6% | 3,254 | 60.5% |
| Allergy and immunology | 87 | 51 | 58.6% | 53 | 60.9% | 49 | 56.3% | 57 | 65.5% | 47 | 54.0% | 17 | 19.5% |
| Anesthesiology | 165 | 161 | 97.6% | 165 | 100.0% | 163 | 98.8% | 165 | 100.0% | 149 | 90.3% | 138 | 83.6% |
| - Adult cardiothoracic anesthesiology | 75 | 59 | 78.7% | 70 | 93.3% | 52 | 69.3% | 67 | 89.3% | 43 | 57.3% | 32 | 42.7% |
| - Critical care medicine | 65 | 58 | 89.2% | 65 | 100.0% | 56 | 86.2% | 60 | 92.3% | 50 | 76.9% | 42 | 64.6% |
| - Regional anesthesiology and acute pain medicine | 42 | 41 | 97.6% | 41 | 97.6% | 41 | 97.6% | 41 | 97.6% | 38 | 90.5% | 32 | 76.2% |
| Pediatric cardiac anesthesiology | 15 | 14 | 93.3% | 15 | 100.0% | 12 | 80.0% | 12 | 80.0% | 10 | 66.7% | 7 | 46.7% |
| - Obstetric anesthesiology | 41 | 36 | 87.8% | 41 | 100.0% | 35 | 85.4% | 39 | 95.1% | 28 | 68.3% | 26 | 63.4% |
| Pain medicine (multidisciplinary) | 115 | 115 | 100.0% | 115 | 100.0% | 115 | 100.0% | 115 | 100.0% | 115 | 100.0% | 103 | 89.6% |
| - Pediatric anesthesiology | 62 | 60 | 96.8% | 61 | 98.4% | 53 | 85.5% | 57 | 91.9% | 41 | 66.1% | 36 | 58.1% |
| Colon and rectal surgery | 68 | 51 | 75.0% | 63 | 92.6% | 66 | 97.1% | 58 | 85.3% | 48 | 70.6% | 25 | 36.8% |
| Dermatology | 144 | 113 | 78.5% | 125 | 86.8% | 107 | 74.3% | 116 | 80.6% | 94 | 65.3% | 23 | 14.6% |
| - Dermatopathology (multidisciplinary) | 57 | 115 | 26.3% | 125 | 28.1% | 20 | 35.1% | 25 | 43.9% | 16 | 28.1% | 7 | 12.3% |
| - Micrographic surgery and dermatologic oncology | 81 | 65 | 80.2% | 67 | 82.7% | 68 | 84.0% | 66 | 81.5% | 46 | 56.8% | 14 | 17.3% |
| Pediatric dermatology | 29 | 22 | 75.9% | 24 | 82.8% | 17 | 58.6% | 17 | 58.6% | 10 | 58.6% | 4 | 13.8% |
| Emergency medicine | 287 | 272 | 94.8% | 284 | 99.0% | 287 | 100.0% | 285 | 99.3% | 282 | 98.3% | 268 | 93.4% |
| - Emergency medical services | 83 | 77 | 92.8% | 81 | 97.6% | 72 | 86.7% | 74 | 89.2% | 64 | 77.1% | 57 | 68.7% |
| - Medical toxicology | 30 | 28 | 93.3% | 30 | 100.0% | 29 | 96.7% | 30 | 100.0% | 29 | 96.7% | 29 | 96.7% |
| - Pediatric emergency medicine | 29 | 20 | 100.0% | 29 | 100.0% | 23 | 93.1% | 28 | 96.6% | 23 | 72.4% | 15 | 51.7% |
| - Sports medicine | 9 | 7 | 77.8% | 7 | 77.8% | 8 | 88.9% | 9 | 100.0% | 8 | 88.9% | 3 | 33.3% |
| - Undersea and hyperbaric medicine | 8 | 7 | 87.5% | 6 | 75.0% | 5 | 62.5% | 6 | 75.0% | 7 | 87.5% | 0 | 0.0% |
| Family medicine | 756 | 750 | 99.2% | 753 | 99.6% | 750 | 99.2% | 751 | 99.3% | 738 | 97.6% | 666 | 88.1% |
| - Clinical informatics | 8 | 5 | 62.5% | 5 | 62.5% | 5 | 62.5% | 4 | 50.0% | 5 | 62.5% | 5 | 62.5% |
| - Geriatric medicine | 46 | 44 | 95.7% | 45 | 97.8% | 43 | 93.5% | 46 | 100.0% | 44 | 95.7% | 29 | 63.0% |
| - Hospice and palliative medicine (multidisciplinary) | 10 | 189 | 99.0% | 189 | 99.0% | 189 | 99.0% | 188 | 98.4% | 179 | 93.7% | 132 | 69.1% |
| - Sports medicine | 171 | 165 | 97.7% | 164 | 95.9% | 105 | 86.0% | 149 | 87.1% | 130 | 76.0% | 60 | 35.1% |
| Internal medicine | 627 | 600 | 95.7% | 618 | 98.6% | 614 | 97.9% | 614 | 97.9% | 595 | 94.9% | 499 | 79.6% |
| - Adult congenital heart disease | 27 | 16 | 59.3% | 17 | 63.0% | 11 | 40.7% | 19 | 70.4% | 17 | 63.0% | 6 | 22.2% |
| Advanced heart failure and transplant cardiology | 84 | 60 | 71.4% | 68 | 81.0% | 57 | 67.9% | 68 | 81.0% | 52 | 61.9% | 22 | 26.2% |
| - Cardiovascular disease | 273 | 187 | 68.5% | 212 | 77.7% | 206 | 75.5% | 226 | 82.8% | 177 | 64.8% | 91 | 33.3% |
| - Clinical cardiac electrophysiology | 116 | 80 | 69.0% | 88 | 75.9% | 92 | 79.3% | 84 | 72.4% | 60 | 51.7% | 27 | 23.3% |
| - Clinical informatics | 32 | 17 | 53.1% | 20 | 62.5% | 19 | 59.4% | 18 | 56.3% | 16 | 50.0% | 9 | 28.1% |
| - Critical care medicine | 66 | 57 | 86.4% | 64 | 97.0% | 56 | 84.8% | 62 | 93.9% | 48 | 72.7% | 41 | 62.1% |
| - Endocrinology, diabetes, and metabolism | 159 | 89 | 56.0% | 96 | 60.4% | 79 | 49.7% | 105 | 66.0% | 88 | 55.3% | 32 | 20.1% |
| - Gastroenterology | 229 | 195 | 85.2% | 204 | 89.1% | 182 | 49.7 % 79.5% | 105 | 86.0% | 182 | 79.5% | 84 | 36.7% |
| - Geriatric medicine | 119 | 1135 | 99.2% | 118 | 99.2% | 118 | 99.2% | 113 | 95.0% | 102 | 85.7% | 66 | 55.5% |
| | | | | | | | | | | | 4 | | |
| Hematology and medical oncology Infectious disease | 184 167 | 166 101 | 90.2% 60.5% | 182 102 | 98.9% 61.1% | 177 104 | 96.2% | 161 147 | 87.5% 88.0% | 135 138 | $\frac{73.4\%}{82.6\%}$ | 60 67 | $\frac{32.6\%}{40.1\%}$ |
| | 167 | 101 | 70.6% | 102 | | 104 | 62.3% 70.6% | 147 | 88.0% | 138 | 62.8% | 55 | 40.1% |
| - Interventional cardiology | 180 | 127 | | 141 | 78.3% 82.2% | | 70.6% | 145 | | 113 | 62.8% 69.7% | 45 | |
| - Nephrology - Medical oncology | 152 | | 70.4% | | 82.2% | 112 | 13.7% 100.0% | 3 | 73.0% 100.0% | | 69.7% 66.7% | | 29.6% |
| - Medical oncology - Pulmonary disease | | 2 | 66.7% | 3 | | 3 | | | | 2 | | 12 | 33.3% |
| Pulmonary disease Pulmonary disease and critical care medicine | 22 | 16 | 72.7% | 19 | 86.4% | 20 | 90.9% | 20 | 90.9% | 17 | 77.3% | 13 | 59.1% |
| | 202 | 162 | 80.2% | 187 | 92.6% | 177 | 87.6% | 176 | 87.1% | 152 | 75.2% | 88 | 43.6% |
| - Rheumatology | 129 | 127 | 98.4% | 125 | 96.9% | 106 | 82.2% | 105 | 81.4% | 90 | 69.8% | 25 | 19.4% |
| - Sleep medicine (multidisciplinary) | 96 | 57 | 59.4% | 54 | 56.3% | 65 | 67.7% | 75 | 78.1% | 59 | 61.5% | 24 | 25.0% |
| - Transplant hepatology | 66 | 50 | 75.8% | 52 | 78.8% | 48 | 72.7% | 59 | 89.4% | 53 | 80.3% | 31 | 47.0% |
| Medical genetics and genomics | 47 | 27 | 57.4% | 25 | 53.2% | 22 | 46.8% | 33 | 70.2% | 26 | 55.3% | 13 | 27.7% |
| - Medical biochemical genetics | 22 | 12 | 54.5% | 12 | 54.5% | 10 | 45.5% | 15 | 68.2% | 8 | 36.4% | 4 | 18.2% |
| - Molecular genetic pathology (multidisciplinary) | 42 | 11 | 26.2% | 10 | 23.8% | 8 | 19.0% | 17 | 40.5% | 14 | 33.3% | 7 | 16.7% |
| Neurological surgery | 117 | 106 | 90.6% 66.7% | 111 | 94.9% 66.7% | 114 | 97.4% 100.0% | 112 | 95.7% 66.7% | 92 2 | 78.6% 66.7% | 54 2 | 46.2% 66.7% |

TABLE H.1 Extended

| Treatme | on-Assisted nt Waiver ning | Ûsing M | Experiential Training Using Medication- Assisted Treatment Other | | | this educ | provide ation/Not icable | Opioid | tapering | eliminati stereotype around pa | ying and ng stigma, es and bias atients with use disorder | patients | nicating with about a pain ment plan | None of the above | | |
|---------|----------------------------------|---------|--|-----|-------|-----------|--------------------------------|--------|----------|--------------------------------------|---|----------|--|-------------------|-------|--|
| # | % | # | % | # | % | # | % | # | % | # | % | # | % | # | % | |
| 3,536 | 27.1% | 918 | 7.0% | 186 | 1.4% | 310 | 2.4% | 2,720 | 20.8% | 3,152 | 24.1% | 3,690 | 28.2% | 248 | 1.9% | |
| 2,084 | 38.7% | 440 | 8.2% | 77 | 1.4% | 71 | 1.3% | 1499 | 27.9% | 1868 | 34.7% | 2082 | 38.7% | 35 | 0.7% | |
| 5 | 5.7% | 3 | 3.4% | 3 | 3.4% | 3 | 3.4% | 5 | 5.7% | 5 | 5.7% | 4 | 4.6% | 3 | 3.4% | |
| 79 | 47.9% | 13 | 7.9% | 1 | 0.6% | 0 | 0.0% | 68 | 41.2% | 70 | 42.4% | 88 | 53.3% | 0 | 0.0% | |
| 9 | 12.0% | 2 | 2.7% | 0 | 0.0% | 0 | 0.0% | 7 | 9.3% | 9 | 12.0% | 18 | 24.0% | 1 | 1.3% | |
| 14 | 21.5% | 5 | 7.7% | 0 | 0.0% | 0 | 0.0% | 21 | 32.3% | 19 | 29.2% | 25 | 38.5% | 0 | 0.0% | |
| 14 | 33.3% | 4 | 9.5% | 0 | 0.0% | 0 | 0.0% | 11 | 26.2% | 10 | 23.8% | 14 | 33.3% | 0 | 0.0% | |
| 5 | 33.3% | 3 | 20.0% | 0 | 0.0% | 0 | 0.0% | 2 | 13.3% | 2 | 13.3% | 4 | 26.7% | 0 | 0.0% | |
| 14 | 34.1% | 4 | 9.8% | 1 | 2.4% | 0 | 0.0% | 7 | 17.1% | 16 | 39.0% | 17 | 41.5% | 0 | 0.0% | |
| 77 | 67.0% | 25 | 21.7% | 3 | 2.6% | 0 | 0.0% | 62 | 53.9% | 55 | 47.8% | 63 | 54.8% | 0 | 0.0% | |
| 9 | 14.5% | 2 | 3.2% | 0 | 0.0% | 0 | 0.0% | 18 | 29.0% | 11 | 17.7% | 24 | 38.7% | 0 | 0.0% | |
| 8 | 11.8% | 2 | 2.9% | 0 | 0.0% | 0 | 0.0% | 11 | 16.2% | 9 | 13.2% | 18 | 26.5% | 0 | 0.0% | |
| 8 | 5.6% | 4 | 2.8% | 0 | 0.0% | 0 | 0.0% | 14 | 9.7% | 22 | 15.3% | 27 | 18.8% | 3 | 2.1% | |
| 3 | 5.3% | 1 | 1.8% | 0 | 0.0% | 13 | 22.8% | 3 | 5.3% | 5 | 8.8% | 1 | 1.8% | 12 | 21.1% | |
| 5 | 6.2% | 6 | 7.4% | 1 | 1.2% | 0 | 0.0% | 4 | 4.9% | 2 | 2.5% | 12 | 14.8% | 3 | 3.7% | |
| 1 | 3.4% | 0 | 0.0% | 1 | 3.4% | 2 | 6.9% | 4 | 13.8% | 3 | 10.3% | 5 | 17.2% | 0 | 0.0% | |
| 229 | 79.8% | 18 | 6.3% | 9 | 3.1% | 0 | 0.0% | 57 | 19.9% | 203 | 70.7% | 164 | 57.1% | 0 | 0.0% | |
| 47 | 56.6% | 17 | 20.5% | 1 | 1.2% | 0 | 0.0% | 5 | 6.0% | 18 | 21.7% | 16 | 19.3% | 0 | 0.0% | |
| 28 | 93.3% | 17 | 56.7% | 0 | 0.0% | 0 | 0.0% | 5 | 16.7% | 9 | 30.0% | 4 | 13.3% | 0 | 0.0% | |
| 8 | 27.6% | 1 | 3.4% | 0 | 0.0% | 0 | 0.0% | 1 | 3.4% | 5 | 17.2% | 7 | 24.1% | 0 | 0.0% | |
| 2 | 22.2% | 1 | 11.1% | 0 | 0.0% | 0 | 0.0% | 1 | 11.1% | 1 | 11.1% | 3 | 33.3% | 0 | 0.0% | |
| 0 | 0.0% | 1 | 12.5% | 0 | 0.0% | 1 | 12.5% | 0 | 0.0% | 1 | 12.5% | 2 | 25.0% | 0 | 0.0% | |
| 534 | 70.6% | 114 | 15.1% | 10 | 1.3% | 0 | 0.0% | 408 | 54.0% | 418 | 55.3% | 445 | 58.9% | 0 | 0.0% | |
| 3 | 37.5% | 1 | 12.5% | 1 | 12.5% | 3 | 37.5% | 2 | 25.0% | 1 | 12.5% | 1 | 12.5% | 0 | 0.0% | |
| 26 | 56.5% | 2 | 4.3% | 1 | 2.2% | 0 | 0.0% | 28 | 60.9% | 26 | 56.5% | 27 | 58.7% | 0 | 0.0% | |
| 92 | 48.2% | 10 | 5.2% | 8 | 4.2% | 0 | 0.0% | 97 | 50.8% | 96 | 50.3% | 112 | 58.6% | 0 | 0.0% | |
| 28 | 16.4% | 10 | 5.8% | 2 | 1.2% | 0 | 0.0% | 25 | 14.6% | 31 | 18.1% | 44 | 25.7% | 1 | 0.6% | |
| 326 | 52.0% | 38 | 6.1% | 10 | 1.6% | 0 | 0.0% | 239 | 38.1% | 306 | 48.8% | 326 | 52.0% | 1 | 0.2% | |
| 1 | 3.7% | 0 | 0.0% | 0 | 0.0% | 1 | 3.7% | 2 | 7.4% | 1 | 3.7% | 4 | 14.8% | 3 | 11.1% | |
| 7 | 8.3% | 4 | 4.8% | 1 | 1.2% | 1 | 1.2% | 8 | 9.5% | 7 | 8.3% | 16 | 19.0% | 2 | 2.4% | |
| 37 | 13.6% | 12 | 4.4% | 2 | 0.7% | 3 | 1.1% | 17 | 6.2% | 35 | 12.8% | 36 | 13.2% | 5 | 1.8% | |
| 6 | 5.2% | 2 | 1.7% | 3 | 2.6% | 0 | 0.0% | 6 | 5.2% | 7 | 6.0% | 12 | 10.3% | 4 | 3.4% | |
| 5 | 15.6% | 1 | 3.1% | 2 | 6.3% | 6 | 18.8% | 1 | 3.1% | 0 | 0.0% | 1 | 3.1% | 2 | 6.3% | |
| 19 | 28.8% | 3 | 4.5% | 0 | 0.0% | 0 | 0.0% | 13 | 19.7% | 16 | 24.2% | 16 | 24.2% | 0 | 0.0% | |
| 12 | 7.5% | 5 | 3.1% | 0 | 0.0% | 9 | 5.7% | 7 | 4.4% | 9 | 5.7% | 9 | 5.7% | 8 | 5.0% | |
| 23 | 10.0% | 10 | 4.4% | 1 | 0.4% | 0 | 0.0% | 23 | 10.0% | 38 | 16.6% | 43 | 18.8% | 1 | 0.4% | |
| 36 | 30.3% | 13 | 10.9% | 2 | 1.7% | 0 | 0.0% | 45 | 37.8% | 30 | 25.2% | 56 | 47.1% | 0 | 0.0% | |
| 26 | 14.1% | 6 | 3.3% | 1 | 0.5% | 0 | 0.0% | 54 | 29.3% | 31 | 16.8% | 69 | 37.5% | 0 | 0.0% | |
| 41 | 24.6% | 10 | 6.0% | 4 | 2.4% | 3 | 1.8% | 18 | 10.8% | 42 | 25.1% | 26 | 15.6% | 3 | 1.8% | |
| 18 | 10.0% | 11 | 6.1% | 1 | 0.6% | 0 | 0.0% | 10 | 5.6% | 16 | 8.9% | 19 | 10.6% | 4 | 2.2% | |
| 15 | 9.9% | 5 | 3.3% | 3 | 2.0% | 0 | 0.0% | 18 | 11.8% | 19 | 12.5% | 22 | 14.5% | 2 | 1.3% | |
| 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 33.3% | 1 | 33.3% | 0 | 0.0% | |
| 6 | 27.3% | 3 | 13.6% | 0 | 0.0% | 0 | 0.0% | 2 | 9.1% | 3 | 13.6% | 4 | 18.2% | 1 | 4.5% | |
| 35 | 17.3% | 7 | 3.5% | 0 | 0.0% | 0 | 0.0% | 35 | 17.3% | 36 | 17.8% | 31 | 15.3% | 1 | 0.5% | |
| 7 | 5.4% | 2 | 1.6% | 3 | 2.3% | 0 | 0.0% | 14 | 10.9% | 15 | 11.6% | 37 | 28.7% | 0 | 0.0% | |
| 9 | 9.4% | 3 | 3.1% | 1 | 1.0% | 0 | 0.0% | 9 | 9.4% | 9 | 9.4% | 11 | 11.5% | 2 | 2.1% | |
| 4 | 6.1% | 3 | 4.5% | 0 | 0.0% | 0 | 0.0% | 8 | 12.1% | 8 | 12.1% | 6 | 9.1% | 0 | 0.0% | |
| 4 | 8.5% | 5 | 10.6% | 2 | 4.3% | 2 | 4.3% | 3 | 6.4% | 4 | 8.5% | 4 | 8.5% | 4 | 8.5% | |
| 3 | 13.6% | 1 | 4.5% | 0 | 0.0% | 2 | 9.1% | 1 | 4.5% | 2 | 9.1% | 1 | 4.5% | 3 | 13.6% | |
| 2 | 4.8% | 0 | 0.0% | 0 | 0.0% | 14 | 33.3% | 2 | 4.8% | 1 | 2.4% | 1 | 2.4% | 7 | 16.7% | |
| 24 | 20.5% | 7 | 6.0% | 3 | 2.6% | 0 | 0.0% | 36 | 30.8% | 26 | 22.2% | 45 | 38.5% | 0 | 0.0% | |
| 2 | 66.7% | 1 | 33.3% | 0 | 0.0% | 0 | 0.0% | 1 | 33.3% | 1 | 33.3% | 1 | 33.3% | 0 | 0.0% | |

TABLE H.1 Continued

Percentage of Programs Teaching Residents and Fellows to Manage Pain and Recognize Substance-Use Disorder by Type of Education and by Specialty and Subspecialty

| | Number | Pharm | on- acologic nagement | | cologic Pain agement | Opioid I | Prescribing | Depend Substa | nition of lence and nce-Use order | Depe and Su Use I | rral for endence ibstance- Disorder atment | Treatment of Dependence and Substance-Use Disorder | |
|---|----------------|-------|-----------------------------|-----|-------------------------|----------|-------------|------------------|--|-------------------------|--|---|-------|
| Specialty | of Programs | # | % | # | % | # | % | # | % | # | % | # | % |
| Neurology | 180 | 167 | 92.8% | 178 | 98.9% | 154 | 85.6% | 165 | 91.7% | 152 | 84.4% | 83 | 46.1% |
| - Clinical neurophysiology | 95 | 71 | 74.7% | 77 | 81.1% | 62 | 65.3% | 70 | 73.7% | 59 | 62.1% | 27 | 28.4% |
| - Epilepsy | 95 | 55 | 57.9% | 60 | 63.2% | 55 | 57.9% | 71 | 74.7% | 50 | 52.6% | 18 | 18.9% |
| - Neurocritical care (multidisciplinary) | 35 | 33 | 94.3% | 33 | 94.3% | 30 | 85.7% | 33 | 94.3% | 27 | 77.1% | 19 | 54.3% |
| - Neuroendovascular intervention | 2 | 2 | 100.0% | 2 | 100.0% | 1 | 50.0% | 2 | 100.0% | 1 | 50.0% | 1 | 50.0% |
| - Neurodevelopmental disabilities | 8 | 8 | 100.0% | 7 | 87.5% | 4 | 50.0% | 6 | 75.0% | 3 | 37.5% | 1 | 12.5% |
| - Neuromuscular medicine | 55 | 50 | 90.9% | 52 | 94.5% | 36 | 65.5% | 42 | 76.4% | 39 | 70.9% | 12 | 21.8% |
| - Vascular neurology | 112 | 91 | 81.3% | 91 | 81.3% | 77 | 68.8% | 92 | 82.1% | 71 | 63.4% | 29 | 25.9% |
| Child neurology | 80 | 79 | 98.8% | 79 | 98.8% | 55 | 68.8% | 64 | 80.0% | 54 | 67.5% | 24 | 30.0% |
| Nuclear medicine | 36 | 26 | 72.2% | 23 | 63.9% | 22 | 61.1% | 26 | 72.2% | 21 | 58.3% | 14 | 38.9% |
| Obstetrics and gynecology | 302 | 284 | 94.0% | 297 | 98.3% | 294 | 97.4% | 296 | 98.0% | 287 | 95.0% | 209 | 69.2% |
| - Female pelvic medicine and reconstructive surgery | 57 | 55 | 96.5% | 56 | 98.2% | 55 | 96.5% | 47 | 82.5% | 38 | 66.7% | 16 | 28.1% |
| - Gynecologic oncology | 71 | 64 | 90.1% | 71 | 100.0% | 70 | 98.6% | 66 | 93.0% | 58 | 81.7% | 22 | 31.0% |
| - Maternal-fetal medicine | 104 | 100 | 96.2% | 102 | 98.1% | 100 | 96.2% | 104 | 100.0% | 100 | 96.2% | 82 | 78.8% |
| - Reproductive endocrinology and infertility | 49 | 45 | 91.8% | 48 | 98.0% | 44 | 89.8% | 38 | 77.6% | 29 | 59.2% | 10 | 20.4% |
| - Complex family planning | 32 | 32 | 100.0% | 32 | 100.0% | 30 | 93.8% | 31 | 96.9% | 27 | 84.4% | 11 | 34.4% |
| Ophthalmology | 125 | 89 | 71.2% | 99 | 79.2% | 98 | 78.4% | 94 | 75.2% | 81 | 64.8% | 30 | 24.0% |
| - Ophthalmic plastic and reconstructive surgery | 4 | 3 | 75.0% | 4 | 100.0% | 3 | 75.0% | 3 | 75.0% | 3 | 75.0% | 0 | 0.0% |
| Orthopaedic surgery | 208 | 193 | 92.8% | 200 | 96.2% | 206 | 99.0% | 192 | 92.3% | 173 | 83.2% | 88 | 42.3% |
| - Adult reconstructive orthopaedics | 25 | 22 | 88.0% | 23 | 92.0% | 24 | 96.0% | 23 | 92.0% | 18 | 72.0% | 8 | 32.0% |
| - Foot and ankle orthopaedics | 8 | 7 | 87.5% | 8 | 100.0% | 8 | 100.0% | 8 | 100.0% | 7 | 87.5% | 3 | 37.5% |
| - Hand surgery | 74 | 66 | 89.2% | 68 | 91.9% | 70 | 94.6% | 64 | 86.5% | 52 | 70.3% | 25 | 33.8% |
| - Musculoskeletal oncology | 12 | 9 | 75.0% | 11 | 91.7% | 12 | 100.0% | 8 | 66.7% | 7 | 58.3% | 4 | 33.3% |
| - Orthopaedic sports medicine | 93 | 89 | 95.7% | 86 | 92.5% | 91 | 97.8% | 83 | 89.2% | 70 | 75.3% | 32 | 34.4% |
| - Orthopaedic surgery of the spine | 15 | 13 | 86.7% | 15 | 100.0% | 15 | 100.0% | 14 | 93.3% | 11 | 73.3% | 4 | 26.7% |
| - Orthopaedic trauma | 12 | 11 | 91.7% | 12 | 100.0% | 12 | 100.0% | 12 | 100.0% | 8 | 66.7% | 4 | 33.3% |
| - Pediatric orthopaedics | 25 | 24 | 96.0% | 24 | 96.0% | 25 | 100.0% | 22 | 88.0% | 13 | 52.0% | 4 | 16.0% |
| Osteopathic neuromusculoskeletal medicine | 26 | 26 | 100.0% | 26 | 100.0% | 25 | 96.2% | 26 | 100.0% | 23 | 88.5% | 13 | 50.0% |
| Otolaryngology - head and neck surgery | 131 | 111 | 84.7% | 126 | 96.2% | 129 | 98.5% | 124 | 94.7% | 106 | 80.9% | 47 | 35.9% |
| - Neurotology | 29 | 25 | 86.2% | 26 | 89.7% | 27 | 93.1% | 25 | 86.2% | 17 | 58.6% | 6 | 20.7% |
| - Pediatric otolaryngology | 34 | 25 | 73.5% | 31 | 91.2% | 31 | 91.2% | 24 | 70.6% | 17 | 50.0% | 5 | 14.7% |
| Pathology-anatomic and clinical | 146 | 34 | 23.3% | 36 | 24.7% | 45 | 30.8% | 72 | 49.3% | 49 | 33.6% | 26 | 17.8% |
| - Blood banking/transfusion medicine | 54 | 10 | 18.5% | 12 | 22.2% | 16 | 29.6% | 19 | 35.2% | 14 | 25.9% | 5 | 9.3% |
| - Clinical informatics | 10 | 5 | 50.0% | 4 | 40.0% | 4 | 40.0% | 4 | 40.0% | 2 | 20.0% | 2 | 20.0% |
| - Chemical pathology | 4 | 1 | 25.0% | 1 | 25.0% | 0 | 0.0% | 0 | 0.0% | 2 | 50.0% | 0 | 0.0% |
| - Cytopathology | 93 | 22 | 23.7% | 24 | 25.8% | 25 | 26.9% | 40 | 43.0% | 27 | 29.0% | 14 | 15.1% |
| - Forensic pathology | 49 | 3 | 6.1% | 6 | 12.2% | 7 | 14.3% | 25 | 51.0% | 6 | 12.2% | 4 | 8.2% |
| - Hematopathology | 87 | 19 | 21.8% | 21 | 24.1% | 24 | 27.6% | 41 | 47.1% | 28 | 32.2% | 16 | 18.4% |
| - Medical microbiology | 16 | 4 | 25.0% | 4 | 25.0% | 4 | 25.0% | 5 | 31.3% | 3 | 18.8% | 3 | 18.8% |
| - Neuropathology | 40 | 9 | 22.5% | 9 | 22.5% | 6 | 15.0% | 15 | 37.5% | 7 | 17.5% | 4 | 10.0% |
| - Pediatric pathology | 27 | 3 | 11.1% | 4 | 14.8% | 6 | 22.2% | 12 | 44.4% | 9 | 33.3% | 1 | 3.7% |
| - Selective pathology | 124 | 35 | 28.2% | 35 | 28.2% | 35 | 28.2% | 50 | 40.3% | 50 | 40.3% | 36 | 29.0% |
| Pediatrics | 213 | 205 | 96.2% | 210 | 98.6% | 202 | 94.8% | 203 | 95.3% | 177 | 83.1% | 110 | 51.6% |
| - Adolescent medicine | 34 | 32 | 94.1% | 28 | 82.4% | 19 | 55.9% | 33 | 97.1% | 34 | 100.0% | 25 | 73.5% |
| - Child abuse pediatrics | 32 | 16 | 50.0% | 13 | 40.6% | 12 | 37.5% | 26 | 81.3% | 18 | 56.3% | 6 | 18.8% |
| - Clinical informatics | 9 | 2 | 22.2% | 4 | 44.4% | 6 | 66.7% | 3 | 33.3% | 2 | 22.2% | 1 | 11.1% |
| - Developmental-behavioral pediatrics | 44 | 33 | 75.0% | 24 | 54.5% | 22 | 50.0% | 39 | 88.6% | 32 | 72.7% | 13 | 29.5% |
| - Neonatal-perinatal medicine | 110 | 105 | 95.5% | 107 | 97.3% | 96 | 87.3% | 88 | 80.0% | 45 | 40.9% | 71 | 64.5% |
| - Pediatric cardiology | 64 | 50 | 78.1% | 57 | 89.1% | 52 | 81.3% | 47 | 73.4% | 26 | 40.6% | 20 | 31.3% |
| - Pediatric critical care medicine | 76 | 72 | 94.7% | 75 | 98.7% | 67 | 88.2% | 66 | 86.8% | 43 | 56.6% | 44 | 57.9% |
| - Pediatric emergency medicine | 58 | 52 | 89.7% | 58 | 100.0% | 57 | 98.3% | 49 | 84.5% | 39 | 67.2% | 29 | 50.0% |
| - Pediatric endocrinology | 73 | 39 | 53.4% | 36 | 49.3% | 37 | 50.7% | 49 | 67.1% | 37 | 50.7% | 13 | 17.8% |
| - Pediatric gastroenterology | 67 | 58 | 86.6% | 57 | 85.1% | 52 | 77.6% | 54 | 80.6% | 38 | 56.7% | 19 | 28.4% |
| - Pediatric hematology/oncology | 78 | 77 | 98.7% | 78 | 100.0% | 77 | 98.7% | 69 | 88.5% | 46 | 59.0% | 26 | 33.3% |
| Pediatric infectious diseases | 64 | 41 | 64.1% | 42 | 65.6% | 41 | 64.1% | 50 | 78.1% | 38 | 59.4% | 11 | 17.2% |

TABLE H.1 Continued Extended

| Medication-Assisted Treatment Waiver Training | | Experiential Training Using Medication- Assisted Treatment | | Using Medication- Assisted Treatment Other | | Do not provide this education/Not applicable Opioid tapering | | | elimination stereotype around pa | ving and ng stigma, es and bias atients with use disorder | patients | nicating with about a pain nent plan | None of the above | | |
|---|------------------------|--|---------------|---|-------|--|-------|----------|--|---|----------------|--|-------------------|----|--------------|
| # | % | # | % | # | % | # | % | # | % | # | % | # | % | # | % |
| 30 | 16.7% | 7 | 3.9% | 2 | 1.1% | 0 | 0.0% | 27 | 15.0% | 46 | 25.6% | 59 | 32.8% | 0 | 0.0% |
| 1 | 1.1% | 1 | 1.1% | 2 | 2.1% | 3 | 3.2% | 8 | 8.4% | 3 | 3.2% | 10 | 10.5% | 2 | 2.1% |
| 4 | 4.2% | 2 | 2.1% | 2 | 2.1% | 0 | 0.0% | 8 | 8.4% | 6 | 6.3% | 8 | 8.4% | 5 | 5.3% |
| 11 | 31.4% | 2 | 5.7% | 0 | 0.0% | 1 | 2.9% | 18 | 51.4% | 14 | 40.0% | 19 | 54.3% | 0 | 0.0% |
| 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 50.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 0 | 0.0% | 1 | 12.5% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 12.5% | 0 | 0.0% |
| 3 | 5.5% | 1 | 1.8% | 0 | 0.0% | 0 | 0.0% | 4 | 7.3% | 5 | 9.1% | 8 | 14.5% | 0 | 0.0% |
| 8 | 7.1% | 3 | 2.7% | 0 | 0.0% | 1 | 0.9% | 11 | 9.8% | 13 | 11.6% | 13 | 11.6% | 0 | 0.0% |
| 5 | 6.3% | 1 | 1.3% | 0 | 0.0% | 0 | 0.0% | 7 | 8.7% | 8 | 10.0% | 20 | 25.0% | 0 | 0.0% |
| 6 | 16.7% | 4 | 11.1% | 0 | 0.0% | 2 | 5.6% | 2 | 5.6% | 2 | 5.6% | 2 | 5.6% | 2 | 5.6% |
| 150 | 49.7% | 21 | 7.0% | 1 | 0.3% | 0 | 0.0% | 55 | 18.2% | 143 | 47.4% | 127 | 42.1% | 0 | 0.0% |
| 9 | 15.8% | 2 | 3.5% | 0 | 0.0% | 0 | 0.0% | 8 | 14.0% | 7 | 12.3% | 11 | 19.3% | 0 | 0.0% |
| 11 | 15.5% | 1 | 1.4% | 3 | 4.2% | 0 | 0.0% | 14 | 19.7% | 10 | 14.1% | 24 | 33.8% | 0 | 0.0% |
| 61 | 58.7% | 15 | 14.4% | 2 | 1.9% | 0 | 0.0% | 23 | 22.1% | 40 | 38.5% | 35 | 33.7% | 0 | 0.0% |
| 4 | 8.2% | 2 | 4.1% | 0 | 0.0% | 0 | 0.0% | 4 | 8.2% | 6 | 12.2% | 7 | 14.3% | 0 | 0.0% |
| 6 | 18.8% | 1 | 3.1% | 0 | 0.0% | 0 | 0.0% | 1 | 3.1% | 11 | 34.4% | 6 | 18.8% | 0 | 0.0% |
| 12 | 9.6% | 3 | 2.4% | 4 | 3.2% | 1 | 0.8% | 10 | 8.0% | 14 | 11.2% | 16 | 12.8% | 2 | 1.6% |
| 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 25.0% | 0 | 0.0% | 0 | 0.0% |
| 42 | 20.2% | 16 | 7.7% | 1 | 0.5% | 0 | 0.0% | 43 | 20.7% | 44 | 21.2% | 73 | 35.1% | 0 | 0.0% |
| 4 | 16.0% | 1 | 4.0% | 0 | 0.0% | 0 | 0.0% | 4 | 16.0% | 2 | 8.0% | 7 | 28.0% | 1 | 4.0% |
| 1 | 12.5% | 1 | 12.5% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 7 | 9.5% | 2 | 2.7% | 2 | 2.7% | 0 | 0.0% | 6 | 8.1% | 6 | 8.1% | 13 | 17.6% | 1 | 1.4% |
| 1 | 8.3% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 2 | 16.7% | 1 | 8.3% | 2 | 16.7% | 0 | 0.0% |
| 10 | 10.8% | 6 | 6.5% | 3 | 3.2% | 0 | 0.0% | 8 | 8.6% | 10 | 10.8% | 23 | 24.7% | 0 | 0.0% |
| 1 2 | 6.7% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 6.7% | 1 | 6.7% | 3 | 20.0% | 0 | 0.0% |
| 2 | $\frac{16.7\%}{4.0\%}$ | 0 | 16.7% 0.0% | 0 0 | 0.0% | 0 | 0.0% | 1 2 | 8.3% 8.0% | 0 2 | 0.0% | 2 5 | 16.7% 20.0% | 0 | 0.0% |
| 7 | 26.9% | 3 | 11.5% | 0 | 0.0% | 0 | 0.0% | 5 | 19.2% | 7 | 26.9% | 8 | 30.8% | 0 | 0.0% |
| 17 | 13.0% | 4 | 3.1% | 0 | 0.0% | 0 | 0.0% | 19 | 14.5% | 17 | 13.0% | 33 | 25.2% | 0 | 0.0% |
| 4 | 13.8% | 2 | 6.9% | 0 | 0.0% | 0 | 0.0% | 13 | 3.4% | 2 | 6.9% | 6 | 20.7% | 0 | 0.0% |
| 2 | 5.9% | 3 | 8.8% | 0 | 0.0% | 0 | 0.0% | 1 | 2.9% | 0 | 0.0% | 5 | 14.7% | 0 | 0.0% |
| 4 | 2.7% | 4 | 2.7% | 1 | 0.7% | 48 | 32.9% | 5 | 3.4% | 5 | 3.4% | 5 | 3.4% | 15 | 10.3% |
| 0 | 0.0% | 0 | 0.0% | 1 | 1.9% | 15 | 27.8% | 2 | 3.7% | 0 | 0.0% | 1 | 1.9% | 12 | 22.2% |
| 0 | 0.0% | 1 | 10.0% | 0 | 0.0% | 2 | 20.0% | 1 | 10.0% | 0 | 0.0% | 1 | 10.0% | 2 | 20.0% |
| 0 | 0.0% | 0 | 0.0% | 1 | 25.0% | 1 | 25.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 1 | 1.1% | 1 | 1.1% | 0 | 0.0% | 26 | 28.0% | 3 | 3.2% | 1 | 1.1% | 3 | 3.2% | 15 | 16.1% |
| 0 | 0.0% | 0 | 0.0% | 5 | 10.2% | 10 | 20.4% | 1 | 2.0% | 5 | 10.2% | 0 | 0.0% | 12 | 24.5% |
| 2 | 2.3% | 0 | 0.0% | 1 | 1.1% | 16 | 18.4% | 4 | 4.6% | 3 | 3.4% | 2 | 2.3% | 21 | 24.1% |
| 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 5 | 31.3% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 5 | 31.3% |
| 0 | 0.0% | 0 | 0.0% | 1 | 2.5% | 16 | 40.0% | 1 | 2.5% | 0 | 0.0% | 0 | 0.0% | 7 | 17.5% |
| 1 | 3.7% | 0 | 0.0% | 0 | 0.0% | 9 | 33.3% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 5 | 18.5% |
| 6 | 4.8% | 3 | 2.4% | 2 | 1.6% | 44 | 35.5% | 22 | 17.7% | 9 | 7.3% | 8 | 6.5% | 18 | 14.5% |
| 44 | 20.7% | 9 | 4.2% | 2 | 0.9% | 1 | 0.5% | 72 | 33.8% | 72 | 33.8% | 88 | 41.3% | 0 | 0.0% |
| 17 | 50.0% | 4 | 11.8% | 0 | 0.0% | 0 | 0.0% | 3 | 8.8% | 15 | 44.1% | 9 | 26.5% | 0 | 0.0% |
| 3 | 9.4% | 0 | 0.0% | 0 | 0.0% | 4 | 12.5% | 0 | 0.0% | 5 | 15.6% | 1 | 3.1% | 1 | 3.1% |
| 0 | 0.0% | 0 | 0.0% | 2 | 22.2% | 1 | 11.1% | 1 | 11.1% | 0 | 0.0% | 0 | 0.0% | 1 | 11.1% |
| 4 | 9.1% | 1 | 2.3% | 1 | 2.3% | 0 | 0.0% | 2 | 4.5% | 8 | 18.2% | 2 | 4.5% | 1 | 2.3% |
| 21 | 19.1% | 5 | 4.5% | 1 | 0.9% | 0 | 0.0% | 37 | 33.6% | 24 | 21.8% | 23 | 20.9% | 0 | 0.0% |
| 7 | 10.9% | 4 | 6.3% | 2 | 3.1% | 0 | 0.0% | 15 | 23.4% | 5 | 7.8% | 15 | 23.4% | 1 | 1.6% |
| 5 | 6.6% | 2 | 2.6% | 1 | 1.3% | 0 | 0.0% | 26 | 34.2% | 8 | 10.5% | 18 | 23.7% | 1 | 1.3% |
| 9 | 15.5% | 1 | 1.7% | 2 | 3.4% | 0 | 0.0% | 3 | 5.2% | 6 | 10.3% | 13 | 22.4% | 0 | 0.0% |
| 4 8 | 5.5% | 0 | 0.0% | 0 | 0.0% | 5 | 6.8% | 4 | 5.5% | 8 | 11.0% | 12 | 9.6% | 8 | 11.0% |
| 8 10 | 11.9% 12.8% | 4 | 6.0% | 0 0 | 0.0% | 0 | 0.0% | <u> </u> | 11.9% 50.0% | 5 | 7.5% | 13 42 | 19.4% | 0 | 0.0% |
| 6 | 9.4% | 0 | 3.8% 0.0% | 1 | 0.0% | 1 | 1.6% | <u> </u> | 9.4% | 17 | 21.8% 14.1% | 42 | 53.8% 10.9% | 2 | 0.0% 3.1% |

TABLE H.1 Continued

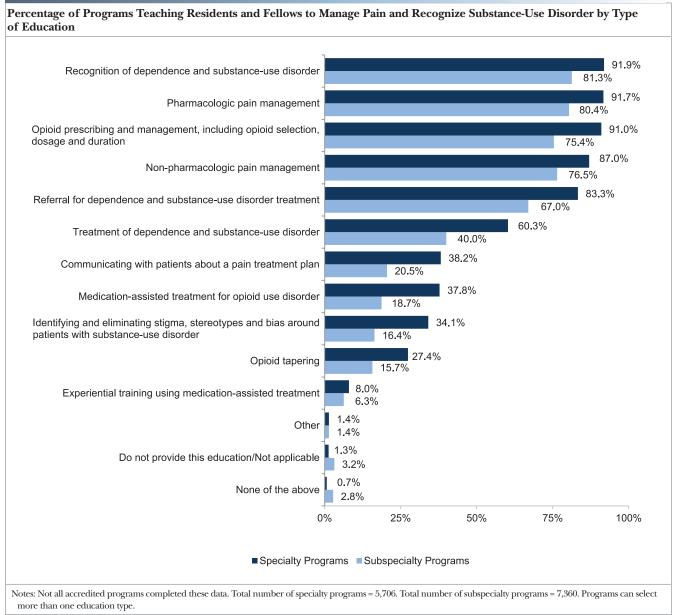
Percentage of Programs Teaching Residents and Fellows to Manage Pain and Recognize Substance-Use Disorder by Type of Education and by Specialty and Subspecialty

| | Number | Pharm | on- acologic nagement | | cologic Pain agement | Opioid P | rescribing | Depend Substa | nition of lence and nce-Use order | Depe and Su Use I | rral for indence ibstance- Disorder atment | Treatment of Dependence and Substance-Use Disorder | | |
|--|----------|-------|-----------------------------|---------|-------------------------|----------|----------------|------------------|--|-------------------------|--|---|--------|--|
| Specialty | Programs | # | % | # | % | # | % | # | % | # | % | # | % | |
| - Pediatric nephrology | 48 | 34 | 70.8% | 39 | 81.3% | 32 | 66.7% | 33 | 68.8% | 22 | 45.8% | 13 | 27.1% | |
| - Pediatric pulmonology | 57 | 41 | 71.9% | 40 | 70.2% | 30 | 52.6% | 44 | 77.2% | 31 | 54.4% | 12 | 21.1% | |
| - Pediatric rheumatology | 37 | 36 | 97.3% | 34 | 91.9% | 23 | 62.2% | 25 | 67.6% | 20 | 54.1% | 5 | 13.5% | |
| - Sports medicine | 17 | 17 | 100.0% | 17 | 100.0% | 14 | 82.4% | 15 | 88.2% | 14 | 82.4% | 7 | 41.2% | |
| - Pediatric transplant hepatology | 17 | 14 | 82.4% | 15 | 88.2% | 14 | 82.4% | 14 | 82.4% | 9 | 52.9% | 7 | 41.2% | |
| - Pediatric hospital medicine | 68 | 68 | 100.0% | 68 | 100.0% | 65 | 95.6% | 66 | 97.1% | 59 | 86.8% | 30 | 44.1% | |
| Physical medicine and rehabilitation | 101 | 100 | 99.0% | 100 | 99.0% | 98 | 97.0% | 101 | 100.0% | 92 | 91.1% | 74 | 73.3% | |
| - Brain injury medicine | 27 | 27 | 100.0% | 27 | 100.0% | 27 | 100.0% | 24 | 88.9% | 20 | 74.1% | 11 | 40.7% | |
| - Neuromuscular medicine | 1 | 1 | 100.0% | 1 | 100.0% | 1 | 100.0% | 1 | 100.0% | 0 | 0.0% | 0 | 0.0% | |
| - Spinal cord injury medicine | 26 | 25 | 96.2% | 26 | 100.0% | 24 | 92.3% | 22 | 84.6% | 20 | 76.9% | 11 | 42.3% | |
| - Pediatric rehabilitation medicine | 22 | 21 | 95.5% | 22 | 100.0% | 21 | 95.5% | 18 | 81.8% | 13 | 59.1% | 6 | 27.3% | |
| - Sports medicine | 22 | 20 | 90.9% | 21 | 95.5% | 22 | 100.0% | 21 | 95.5% | 14 | 63.6% | 10 | 45.5% | |
| Plastic surgery | 49 | 39 | 79.6% | 46 | 93.9% | 49 | 100.0% | 44 | 89.8% | 31 | 63.3% | 21 | 42.9% | |
| Plastic Surgery - integrated | 89 | 73 | 82.0% | 86 | 96.6% | 89 | 100.0% | 84 | 94.4% | 66 | 74.2% | 38 | 42.7% | |
| - Craniofacial surgery | 9 | 6 | 66.7% | 9 | 100.0% | 9 | 100.0% | 6 | 66.7% | 4 | 44.4% | 2 | 22.2% | |
| - Hand surgery | 19 | 13 | 68.4% | 18 | 94.7% | 19 | 100.0% | 17 | 89.5% | 13 | 68.4% | 4 | 21.1% | |
| Public health and general preventive medicine | 43 | 31 | 72.1% | 30 | 69.8% | 32 | 74.4% | 39 | 90.7% | 33 | 76.7% | 27 | 62.8% | |
| Aerospace medicine | 5 | 2 | 40.0% | 3 | 60.0% | 3 | 60.0% | 5 | 100.0% | 5 | 100.0% | 4 | 80.0% | |
| Occupational and environmental medicine | 23 | 20 | 87.0% | 20 | 87.0% | 21 | 91.3% | 23 | 100.0% | 20 | 87.0% | 12 | 52.2% | |
| - Undersea and hyperbaric medicine | 1 | 1 | 100.0% | 1 | 100.0% | 1 | 100.0% | 1 | 100.0% | 1 | 100.0% | 0 | 0.0% | |
| Psychiatry | 304 | 252 | 82.9% | 265 | 87.2% | 252 | 82.9% | 301 | 99.0% | 299 | 98.4% | 302 | 99.3% | |
| - Addiction medicine (multidisciplinary) | 96 | 95 | 99.0% | 96 | 100.0% | 95 | 99.0% | 95 | 99.0% | 95 | 99.0% | 95 | 99.0% | |
| - Addiction psychiatry | 55 | 53 | 96.4% | 53 | 96.4% | 51 | 92.7% | 55 | 100.0% | 52 | 94.5% | 55 | 100.0% | |
| - Child and adolescent psychiatry | 153 | 113 | 73.9% | 95 | 62.1% | 73 | 47.7% | 152 | 99.3% | 149 | 97.4% | 139 | 90.8% | |
| - Forensic psychiatry | 49 | 20 | 40.8% | 24 | 49.0% | 21 | 42.9% | 42 | 85.7% | 31 | 63.3% | 26 | 53.1% | |
| - Geriatric psychiatry | 63 | 55 | 87.3% | 52 | 82.5% | 37 | 58.7% | 63 | 100.0% | 60 | 95.2% | 59 | 93.7% | |
| - Consultation-liaison psychiatry | 67 | 59 | 88.1% | 64 | 95.5% | 49 | 73.1% | 67 | 100.0% | 67 | 100.0% | 58 | 86.6% | |
| Radiation oncology | 90 | 76 | 84.4% | 84 | 93.3% | 88 | 97.8% | 82 | 91.1% | 70 | 77.8% | 30 | 33.3% | |
| Radiology-diagnostic | 199 | 109 | 54.8% | 131 | 65.8% | 131 | 65.8% | 146 | 73.4% | 99 | 49.7% | 59 | 29.6% | |
| - Abdominal radiology | 13 | 9 | 69.2% | 10 | 76.9% | 7 | 53.8% | 9 | 69.2% | 6 | 46.2% | 4 | 30.8% | |
| - Neuroendovascular intervention | 3 | 3 | 100.0% | 3 | 100.0% | 2 | 66.7% | 2 | 66.7% | 2 | 66.7% | 1 | 33.3% | |
| - Musculoskeletal radiology | 21 | 12 | 57.1% | 14 | 66.7% | 13 | 61.9% | 14 | 66.7% | 11 | 52.4% | 8 | 38.1% | |
| - Neuroradiology | 91 | 45 | 49.5% | 51 | 56.0% | 50 | 54.9% | 63 | 69.2% | 43 | 47.3% | 26 | 28.6% | |
| - Nuclear radiology | 19 | 10 | 52.6% | 11 | 57.9% | 11 | 57.9% | 11 | 57.9% | 10 | 52.6% | 8 | 42.1% | |
| - Pediatric radiology | 46 | 18 | 39.1% | 16 | 34.8% | 21 | 45.7% | 28 | 60.9% | 19 | 41.3% | 9 | 19.6% | |
| Interventional radiology - independent | 94 | 68 | 72.3% | 83 | 88.3% | 86 | 91.5% | 79 | 84.0% | 54 | 57.4% | 23 | 24.5% | |
| Interventional radiology - integrated | 95 | 70 | 73.7% | 79 | 83.2% | 86 | 90.5% | 80 | 84.2% | 62 | 65.3% | 35 | 36.8% | |
| Surgery | 363 | 328 | 90.4% | 351 | 96.7% | 357 | 98.3% | 328 | 90.4% | 302 | 83.2% | 155 | 42.7% | |
| - Complex general surgical oncology | 34 | 320 | 88.2% | 32 | 94.1% | 337 | 97.1% | 27 | 79.4% | 27 | 79.4% | 133 | 32.4% | |
| - Hand surgery | 2 | 2 | 100.0% | 2 | 100.0% | 2 | 100.0% | 1 | 50.0% | 1 | 50.0% | 0 | 0.0% | |
| - Pediatric surgery | 51 | 46 | 90.2% | 50 | 98.0% | 50 | 98.0% | 40 | 78.4% | 31 | 60.8% | 20 | 39.2% | |
| - Surgical critical care | 162 | 144 | 88.9% | 157 | 96.9% | 153 | 94.4% | 145 | 89.5% | 121 | 74.7% | 81 | 50.0% | |
| - Vascular surgery | 1102 | 91 | 76.5% | 105 | 88.2% | 115 | 96.6% | 145 | 84.0% | 87 | 73.1% | 48 | 40.3% | |
| Vascular surgery - integrated | 76 | 56 | 73.7% | 70 | 92.1% | 74 | 97.4% | 65 | 85.5% | 52 | 68.4% | 27 | 35.5% | |
| Thoracic surgery | 70 | 55 | 73.3% | 65 | 92.1% 86.7% | 74 71 | 94.7% | 64 | 85.3% | 51 | 68.0% | 35 | 46.7% | |
| - Congenital cardiac surgery | 17 | 12 | 70.6% | 14 | 82.4% | 15 | 88.2% | 12 | 70.6% | 7 | 41.2% | 8 | 47.1% | |
| Thoracic surgery - integrated | 34 | 24 | 70.6% | 30 | 82.4% | 32 | 94.1% | 28 | 82.4% | 21 | 61.8% | 14 | 41.2% | |
| Urology | 150 | 132 | 88.0% | 142 | 94.7% | 148 | 94.1% 98.7% | 138 | 92.0% | 118 | 78.7% | 68 | 41.2% | |
| - Female pelvic medicine and reconstructive surgery | 150 | 132 | 88.0% | | 94.7% 94.1% | | 98.7% 94.1% | | 92.0% 82.4% | 118 | 70.6% | 3 | | |
| 1 0 7 | | | | 16 | | 16 | | 14 | | | | | 17.6% | |
| - Pediatric urology | 26 | 19 | 73.1% | 23 | 88.5% | 25 | 96.2% | 21 | 80.8% | 12 | 46.2% | 6 199 | 23.1% | |
| Transitional year | 188 | 179 | 95.2% | 185 | 98.4% | 181 | 96.3% | 184 | 97.9% | 164 | 87.2% | 133 | 70.7% | |
| Internal medicine/Pediatrics Health care administration, leadership, and management | 77 | 72 | 93.5% 0.0% | 75 0 | 97.4% 0.0% | 77 0 | 100.0% 0.0% | 76 0 | 98.7% 0.0% | 75 0 | 97.4% 0.0% | 62 0 | 80.5% | |
| meaning care administration leadership and management | 2 | 0 | 0.0% | . 0 | 1 11% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | . 0 | 0.0% | |

TABLE H.1 Continued Extended

| Freatme | on-Assisted nt Waiver ning | Experiential Training Using Medication- Assisted Treatment | | Ot | her | this educ | provide ation/Not icable | Opioid | tapering | eliminati stereotype around pa | ying and ng stigma, es and bias atients with use disorder | patients | nicating with about a pain nent plan | None of the above | |
|----------|----------------------------------|--|-------|----|-------|-----------|--------------------------------|--------|----------|--------------------------------------|---|----------|--|-------------------|-------|
| # | % | # | % | # | % | # | % | # | % | # | % | # | % | # | % |
| 5 | 10.4% | 3 | 6.3% | 0 | 0.0% | 0 | 0.0% | 5 | 10.4% | 2 | 4.2% | 2 | 4.2% | 1 | 2.1% |
| 4 | 7.0% | 2 | 3.5% | 1 | 1.8% | 1 | 1.8% | 5 | 8.8% | 5 | 8.8% | 5 | 8.8% | 3 | 5.3% |
| 1 | 2.7% | 0 | 0.0% | 0 | 0.0% | 1 | 2.7% | 2 | 5.4% | 2 | 5.4% | 12 | 32.4% | 0 | 0.0% |
| 3 | 17.6% | 1 | 5.9% | 0 | 0.0% | 0 | 0.0% | 2 | 11.8% | 1 | 5.9% | 7 | 41.2% | 0 | 0.0% |
| 1 | 5.9% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 5.9% | 1 | 5.9% | 0 | 0.0% |
| 5 | 7.4% | 3 | 4.4% | 0 | 0.0% | 0 | 0.0% | 19 | 27.9% | 14 | 20.6% | 22 | 32.4% | 0 | 0.0% |
| 41 | 40.6% | 6 | 5.9% | 4 | 4.0% | 0 | 0.0% | 56 | 55.4% | 47 | 46.5% | 68 | 67.3% | 0 | 0.0% |
| 4 | 14.8% | 2 | 7.4% | 1 | 3.7% | 0 | 0.0% | 4 | 14.8% | 8 | 29.6% | 10 | 37.0% | 0 | 0.0% |
| 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 5 | 19.2% | 1 | 3.8% | 0 | 0.0% | 0 | 0.0% | 10 | 38.5% | 5 | 19.2% | 10 | 38.5% | 0 | 0.0% |
| 2 | 9.1% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 4 | 18.2% | 3 | 13.6% | 5 | 22.7% | 0 | 0.0% |
| 3 | 13.6% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 4 | 18.2% | 2 | 9.1% | 3 | 13.6% | 0 | 0.0% |
| 3 8 | 16.3% | 1 | 2.0% | 1 | 2.0% | 0 | 0.0% | 7 | 14.3% | 8 | 9.1% | | 28.6% | 0 | 0.0% |
| 19 | 21.3% | 8 | 9.0% | 0 | 0.0% | 0 | 0.0% | 14 | 14.3% | 12 | 10.5% | 14 | 28.0% | 0 | 0.0% |
| 19 0 | 0.0% | 0 | 9.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 18 | 20.2% | 0 | 0.0% |
| 1 | 5.3% | 2 | 10.5% | 0 | 0.0% | 0 | 0.0% | 0 | 5.3% | 0 | 5.3% | 5 | 26.3% | 0 | 0.0% |
| 22 | 51.2% | 6 | 10.5% | 1 | 2.3% | 2 | 4.7% | 6 | 5.3% | 13 | 5.3% 30.2% | 9 | 20.3% | 1 | 2.3% |
| 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 4.7% 0.0% | 1 | 20.0% | 0 | 0.0% | 0 | 20.9% | 0 | 2.3% |
| 3 | 13.0% | | 4.3% | | 0.0% | 0 | 0.0% | | 17.4% | 5 | 21.7% | 5 | 21.7% | 0 | 0.0% |
| <u> </u> | 0.0% | 1 0 | 4.3% | 0 | | 0 | 0.0% | 4 | | 0 | | <u> </u> | 0.0% | 0 | |
| | | | | | 0.0% | | | | 0.0% | | 0.0% | | | | 0.0% |
| 262 | 86.2% | 81 | 26.6% | 9 | 3.0% | 0 | 0.0% | 110 | 36.2% | 153 | 50.3% | 100 | 32.9% | 0 | 0.0% |
| 94 | 97.9% | 39 | 40.6% | 6 | 6.3% | 0 | 0.0% | 45 | 46.9% | 52 | 54.2% | 45 | 46.9% | 0 | 0.0% |
| 53 | 96.4% | 30 | 54.5% | 1 | 1.8% | 0 | 0.0% | 18 | 32.7% | 19 | 34.5% | 14 | 25.5% | 0 | 0.0% |
| 66 | 43.1% | 18 | 11.8% | 5 | 3.3% | 0 | 0.0% | 19 | 12.4% | 61 | 39.9% | 29 | 19.0% | 0 | 0.0% |
| 15 | 30.6% | 5 | 10.2% | 0 | 0.0% | 1 | 2.0% | 4 | 8.2% | 12 | 24.5% | 5 | 10.2% | 1 | 2.0% |
| 25 | 39.7% | | 11.1% | 0 | 0.0% | 0 | 0.0% | 15 | 23.8% | 19 | 30.2% | 17 | 27.0% | 0 | 0.0% |
| 45 | 67.2% | 18 | 26.9% | 1 | 1.5% | 0 | 0.0% | 20 | 29.9% | 25 | 37.3% | 16 | 23.9% | 0 | 0.0% |
| 11 | 12.2% | 3 | 3.3% | 2 | 2.2% | 0 | 0.0% | 28 | 31.1% | 14 | 15.6% | 32 | 35.6% | 0 | 0.0% |
| 21 | 10.6% | 5 | 2.5% | 5 | 2.5% | 14 | 7.0% | 21 | 10.6% | 25 | 12.6% | 28 | 14.1% | 7 | 3.5% |
| 1 | 7.7% | 0 | 0.0% | 0 | 0.0% | 1 | 7.7% | 2 | 15.4% | 1 | 7.7% | 1 | 7.7% | 0 | 0.0% |
| 0 | 0.0% | 1 | 33.3% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 33.3% | 0 | 0.0% |
| 2 | 9.5% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 2 | 9.5% | 2 | 9.5% | 2 | 9.5% | 1 | 4.8% |
| 10 | 11.0% | 7 | 7.7% | 3 | 3.3% | 6 | 6.6% | 4 | 4.4% | 4 | 4.4% | 5 | 5.5% | 7 | 7.7% |
| 3 | 15.8% | 1 | 5.3% | 0 | 0.0% | 2 | 10.5% | 3 | 15.8% | 1 | 5.3% | 1 | 5.3% | 2 | 10.5% |
| 2 | 4.3% | 2 | 4.3% | 0 | 0.0% | 5 | 10.9% | 1 | 2.2% | 0 | 0.0% | 11 | 2.2% | 7 | 15.2% |
| 8 | 8.5% | 5 | 5.3% | 2 | 2.1% | 0 | 0.0% | 6 | 6.4% | 4 | 4.3% | 11 | 11.7% | 0 | 0.0% |
| 11 | 11.6% | 6 | 6.3% | 1 | 1.1% | 1 | 1.1% | 10 | 10.5% | 8 | 8.4% | 18 | 18.9% | 0 | 0.0% |
| 72 | 19.8% | 22 | 6.1% | 2 | 0.6% | 0 | 0.0% | 91 | 25.1% | 83 | 22.9% | 123 | 33.9% | 0 | 0.0% |
| 6 | 17.6% | 2 | 5.9% | 0 | 0.0% | 0 | 0.0% | 7 | 20.6% | 4 | 11.8% | 9 | 26.5% | 0 | 0.0% |
| 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 3 | 5.9% | 1 | 2.0% | 1 | 2.0% | 0 | 0.0% | 6 | 11.8% | 3 | 5.9% | 10 | 19.6% | 0 | 0.0% |
| 35 | 21.6% | 14 | 8.6% | 3 | 1.9% | 0 | 0.0% | 31 | 19.1% | 21 | 13.0% | 37 | 22.8% | 0 | 0.0% |
| 17 | 14.3% | 7 | 5.9% | 3 | 2.5% | 0 | 0.0% | 12 | 10.1% | 15 | 12.6% | 22 | 18.5% | 0 | 0.0% |
| 11 | 14.5% | 6 | 7.9% | 0 | 0.0% | 0 | 0.0% | 10 | 13.2% | 10 | 13.2% | 18 | 23.7% | 0 | 0.0% |
| 11 | 14.7% | 2 | 2.7% | 0 | 0.0% | 0 | 0.0% | 12 | 16.0% | 11 | 14.7% | 20 | 26.7% | 1 | 1.3% |
| 1 | 5.9% | 1 | 5.9% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 2 | 11.8% | 0 | 0.0% |
| 5 | 14.7% | 2 | 5.9% | 0 | 0.0% | 0 | 0.0% | 3 | 8.8% | 4 | 11.8% | 9 | 26.5% | 0 | 0.0% |
| 24 | 16.0% | 11 | 7.3% | 3 | 2.0% | 0 | 0.0% | 24 | 16.0% | 33 | 22.0% | 52 | 34.7% | 0 | 0.0% |
| 2 | 11.8% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 5.9% | 2 | 11.8% | 3 | 17.6% | 0 | 0.0% |
| 2 | 7.7% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 3.8% | 2 | 7.7% | 4 | 15.4% | 0 | 0.0% |
| 58 | 30.9% | 13 | 6.9% | 2 | 1.1% | 0 | 0.0% | 45 | 23.9% | 57 | 30.3% | 65 | 34.6% | 1 | 0.5% |
| 45 | 58.4% | 6 | 7.8% | 1 | 1.3% | 0 | 0.0% | 38 | 49.4% | 42 | 54.5% | 47 | 61.0% | 0 | 0.0% |
| 0 | 0.0% | 0 | 0.0% | 1 | 50.0% | 1 | 50.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |

FIGURE H.2



Appendix A

ACGME-Accredited Pipeline Specialties

Anesthesiology Dermatology **Emergency medicine** Family medicine Internal medicine Medical genetics and genomics Neurological surgery Neurology Child neurology Nuclear medicine Obstetrics and gynecology Ophthalmology Orthopaedic surgery Osteopathic neuromusculoskeletal medicine Otolaryngology – head and neck surgery Pathology - anatomic and clinical Pediatrics Physical medicine and rehabilitation Plastic surgery Plastic surgery - integrated Public health and general preventive medicine Aerospace medicine Occupational and environmental medicine Psychiatry Radiation oncology Radiology-diagnostic Interventional radiology - independent Interventional radiology - integrated Surgery Vascular surgery – integrated Thoracic surgery - integrated Urology Internal medicine/Pediatrics

Appendix B

Specialties and Subspecialties by Specialty Group

Hospital-based Specialties and Subspecialties

Anesthesiology

- Adult cardiothoracic anesthesiology
- Critical care medicine
- Regional anesthesiology and acute pain medicine
- Pediatric cardiac anesthesiology
- Obstetric anesthesiology
- Pain medicine (multidisciplinary)
- Pediatric anesthesiology
- **Emergency medicine**
- Emergency medical services
- Medical toxicology
- Pediatric emergency medicine
- Sports medicine
- Undersea and hyperbaric medicine
- Medical genetics and genomics
- Medical biochemical genetics
- Molecular genetic pathology (multidisciplinary)

Nuclear medicine

Pathology-anatomic and clinical

- Blood banking/transfusion medicine
- Clinical informatics
- Chemical pathology
- Cytopathology
- Forensic pathology
- Hematopathology
- Medical microbiology
- Neuropathology
- Pediatric pathology
- Selective pathology
- Public health and general preventive medicine

Aerospace medicine

Occupational and environmental medicine

- Undersea and hyperbaric medicine

Radiation oncology

- Radiology-diagnostic
- Abdominal radiology
- Neuroendovascular intervention
- Musculoskeletal radiology
- Neuroradiology
- Nuclear radiology
- Pediatric radiology
- Interventional radiology independent Interventional radiology – integrated
- Transitional year

Medical Specialties and Subspecialties

Allergy and immunology

Dermatology

- Dermatopathology (multidisciplinary)
- Micrographic surgery and dermatologic oncology
- Pediatric dermatology

Family medicine

- Clinical informatics
- Geriatric medicine
- Hospice and palliative medicine (multidisciplinary)
- Sports medicine

Internal medicine

- Adult congenital heart disease
- Advanced heart failure and transplant cardiology
- Cardiovascular disease
- Clinical cardiac electrophysiology
- Clinical informatics
- Critical care medicine
- Endocrinology, diabetes, and metabolism
- Gastroenterology
- Geriatric medicine
- Hematology and medical oncology
- Infectious disease
- Interventional cardiology
- Nephrology
- Medical oncology
- Pulmonary disease
- Pulmonary disease and critical care medicine
- Rheumatology
- Sleep medicine (multidisciplinary)
- Transplant hepatology

Neurology

- Clinical neurophysiology
- Epilepsy
- Neurocritical care (multidisciplinary)
- Neuroendovascular intervention
- Neurodevelopmental disabilities
- Neuromuscular medicine
- Vascular neurology

Child neurology

Osteopathic neuromusculoskeletal medicine

Pediatrics

- Adolescent medicine
- Child abuse pediatrics
- Clinical informatics
- Developmental-behavioral pediatrics
- Neonatal-perinatal medicine
- Pediatric cardiology
- Pediatric critical care medicine
- Pediatric emergency medicine
- Pediatric endocrinology
- Pediatric gastroenterology
- Pediatric hematology/oncology
- Pediatric infectious diseases
- Pediatric nephrology
- Pediatric pulmonology
- Pediatric rheumatology
- Sports medicine
- Pediatric transplant hepatology
- Pediatric hospital medicine
- Physical medicine and rehabilitation
- Brain injury medicine

- Neuromuscular medicine
- Spinal cord injury medicine
- Pediatric rehabilitation medicine
- Sports medicine

Psychiatry

- Addiction medicine (multidisciplinary)
- Addiction psychiatry
- Child and adolescent psychiatry
- Forensic psychiatry
- Geriatric psychiatry
- Consultation-liaison psychiatry
- Internal medicine/Pediatrics

Surgical Specialties and Subspecialties

Colon and rectal surgery Neurological surgery - Neuroendovascular intervention Obstetrics and gynecology - Female pelvic medicine and reconstructive surgery - Gynecologic oncology - Maternal-fetal medicine - Reproductive endocrinology and infertility - Complex family planning Ophthalmology - Ophthalmic plastic and reconstructive surgery Orthopaedic surgery - Adult reconstructive orthopaedics - Foot and ankle orthopaedics - Hand surgery - Musculoskeletal oncology - Orthopaedic sports medicine - Orthopaedic surgery of the spine - Orthopaedic trauma - Pediatric orthopaedics Otolaryngology – head and neck surgery - Neurotology - Pediatric otolaryngology Plastic surgery Plastic surgery - integrated - Craniofacial surgery - Hand surgery Surgery - Complex general surgical oncology - Hand surgery - Pediatric surgery - Surgical critical care - Vascular surgery Vascular surgery - integrated Thoracic surgery - Congenital cardiac surgery Thoracic surgery - integrated Urology - Female pelvic medicine and reconstructive surgery - Pediatric urology Sponsor Institution-Based Fellowship

Appendix C

Institution Type Groups

Academic Medical Center/Medical School Ambulatory Care Clinic/Federally Qualified Health Center (FQHC) - Ambulatory Care Clinic/Office - Federally Qualified Health Center (FQHC) Children's Hospital Consortium General Teaching/Community Hospital - General/Teaching Hospital - Community Hospital - Independent Academic Medical Center Other - Other - Nursing Home/Rehabilitation Facility Specialty Hospital - Specialty Hospital - Pathology Lab/Medical Examiner's Office Veterans Administration



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