

GME Annual Report



AMERICAN
OSTEOPATHIC
ASSOCIATION

2021-2022





Graduate Medical Education

The American Osteopathic Association (AOA) Graduate Medical Education (GME) report tracks the expansion and growth within the osteopathic medical profession at the GME level and examines current demographics and trends related to osteopathic physicians in training (residents and fellows). This AOA GME Annual report covers academic year 2021-2022. The AOA receives annual data from the Accreditation Council on Graduate Medical Education (ACGME) on the number of

osteopathic physicians currently enrolled in an ACGME-accredited program. The AOA also receives data from ACGME on the number of allopathic physicians who are designated as receiving additional osteopathic education in ACGME programs with Osteopathic Recognition. In addition, the AOA maintains data on the residents in programs that did not transition to the single GME accreditation system and are under the AOA's restricted accreditation authority.

Over **17%** of all Residents and Fellows in the US are DOs

In the 2021-2022 academic year, 27,075 osteopathic physicians were active residents and fellows in 129 specialties and subspecialties. The following report provides additional detail on the specialty and location of DO physicians-in-training, as well as information on ACGME programs with Osteopathic Recognition.



23,703

DOs training in a specialty or transitional year program

3,372

DOs training in a subspecialty

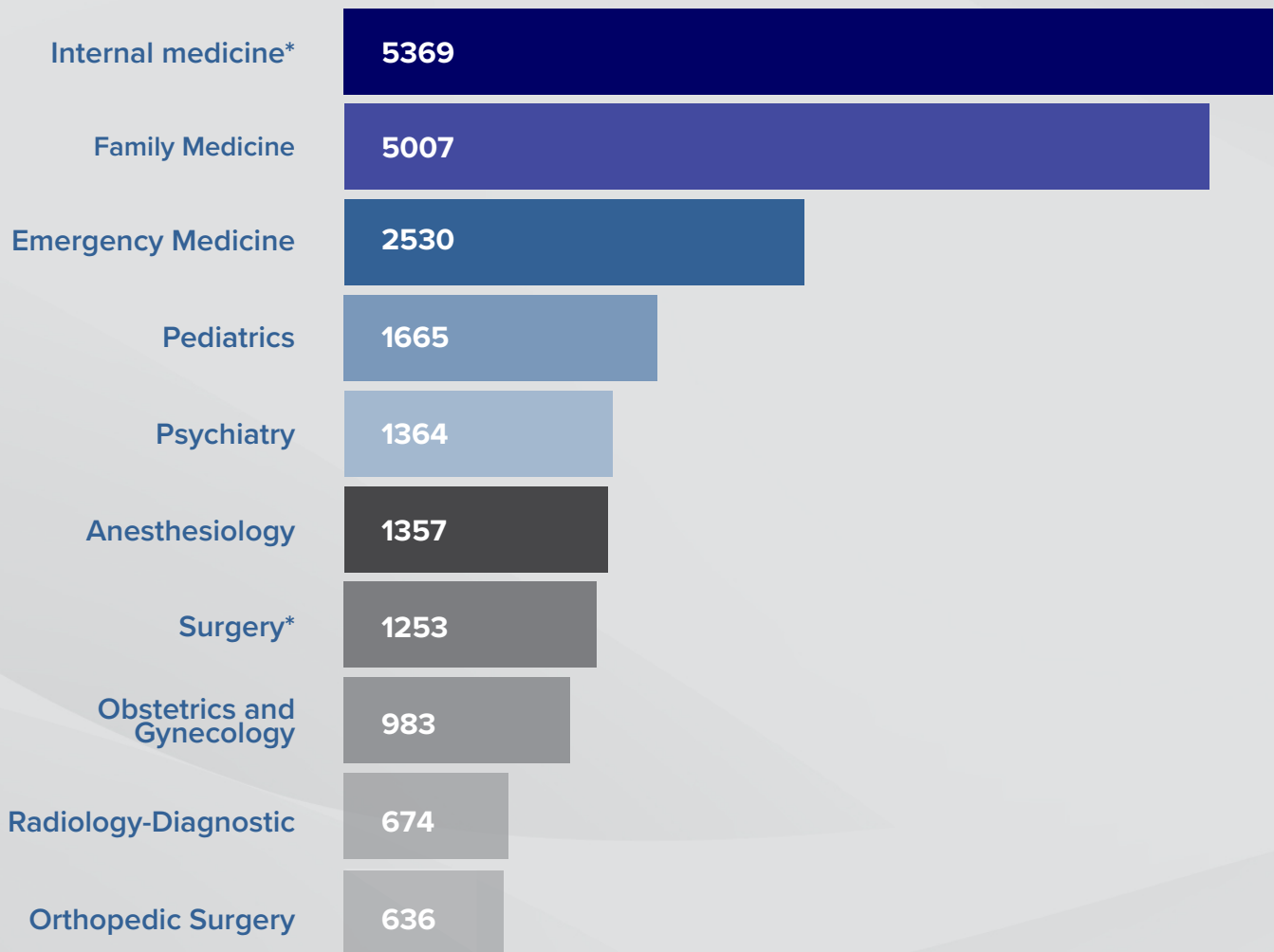
27,075

total osteopathic physicians in graduate medical education

DOs training in all specialties

Osteopathic physicians-in-training are currently enrolled in all 31 ACGME specialties and 96 ACGME subspecialties. Building on the osteopathic profession’s historic emphasis on careers in primary care, over 60% of DOs are currently training in primary care specialties including family medicine, internal medicine and pediatrics.

Specialties with the most DOs



*includes preliminary positions

Below is the breakdown by specialty and subspecialty of all DO physicians training in an ACGME accredited or AOA accredited program during the 2021-2022 academic year

Specialty	Number of DO residents
Anesthesiology	1357
Adult cardiothoracic anesthesiology	27
Obstetric anesthesiology	4
Pediatric anesthesiology	23
Regional anesthesiology and acute pain medicine	7
Colon and rectal surgery	8
Dermatology	167
Micrographic surgery and dermatologic oncology	6
Emergency medicine	2530
Emergency medical services	18
Family medicine	5007
Internal medicine*	5369
Adult congenital heart disease	4
Advanced heart failure and transplant cardiology	8
Cardiovascular disease	359
Clinical cardiac electrophysiology	28
Endocrinology, diabetes, and metabolism	66
Gastroenterology	223
Hematology and medical oncology	169
Infectious disease	95
Interventional cardiology	32
Medical oncology	3
Nephrology	110
Pulmonary disease	10
Pulmonary disease and critical care medicine	301
Rheumatology	98
Transplant hepatology	1
Internal medicine/Pediatrics	160
Medical genetics and genomics	3
Medical biochemical genetics	2
Laboratory genetics and genomics	
Neurological surgery	76
Neurology	475
Clinical neurophysiology	19
Epilepsy	13
Neurodevelopmental disabilities	2
Vascular neurology	20
Child neurology	40
Nuclear medicine	1
Obstetrics and gynecology	983
Gynecologic oncology	11

Specialty	Number of DO residents
Maternal-fetal medicine	34
Reproductive endocrinology and infertility	7
Complex family planning	3
Ophthalmology	89
Orthopedic surgery	636
Adult reconstructive orthopedics	6
Musculoskeletal oncology	1
Orthopedic sports medicine	37
Orthopedic surgery of the spine	3
Orthopedic trauma	
Pediatric orthopedics	1
Osteopathic neuromusculoskeletal medicine	85
Otolaryngology - Head and Neck Surgery	113
Pediatric otolaryngology	6
Pathology-anatomic and clinical	256
Blood banking/transfusion medicine	3
Cytopathology	11
Forensic pathology	10
Hematopathology	6
Medical microbiology	1
Neuropathology	5
Pediatric pathology	4
Selective pathology	9
Pediatrics	1665
Adolescent medicine	11
Child abuse pediatrics	11
Developmental-behavioral pediatrics	16
Neonatal-perinatal medicine	111
Pediatric cardiology	44
Pediatric critical care medicine	70
Pediatric endocrinology	25
Pediatric gastroenterology	27
Pediatric hematology/oncology	64
Pediatric hospital medicine	17
Pediatric infectious diseases	24
Pediatric nephrology	12
Pediatric pulmonology	29
Pediatric rheumatology	8
Pediatric transplant hepatology	1
Physical medicine and rehabilitation	576
Pediatric rehabilitation medicine	9
Spinal cord injury medicine	2
Plastic surgery	30

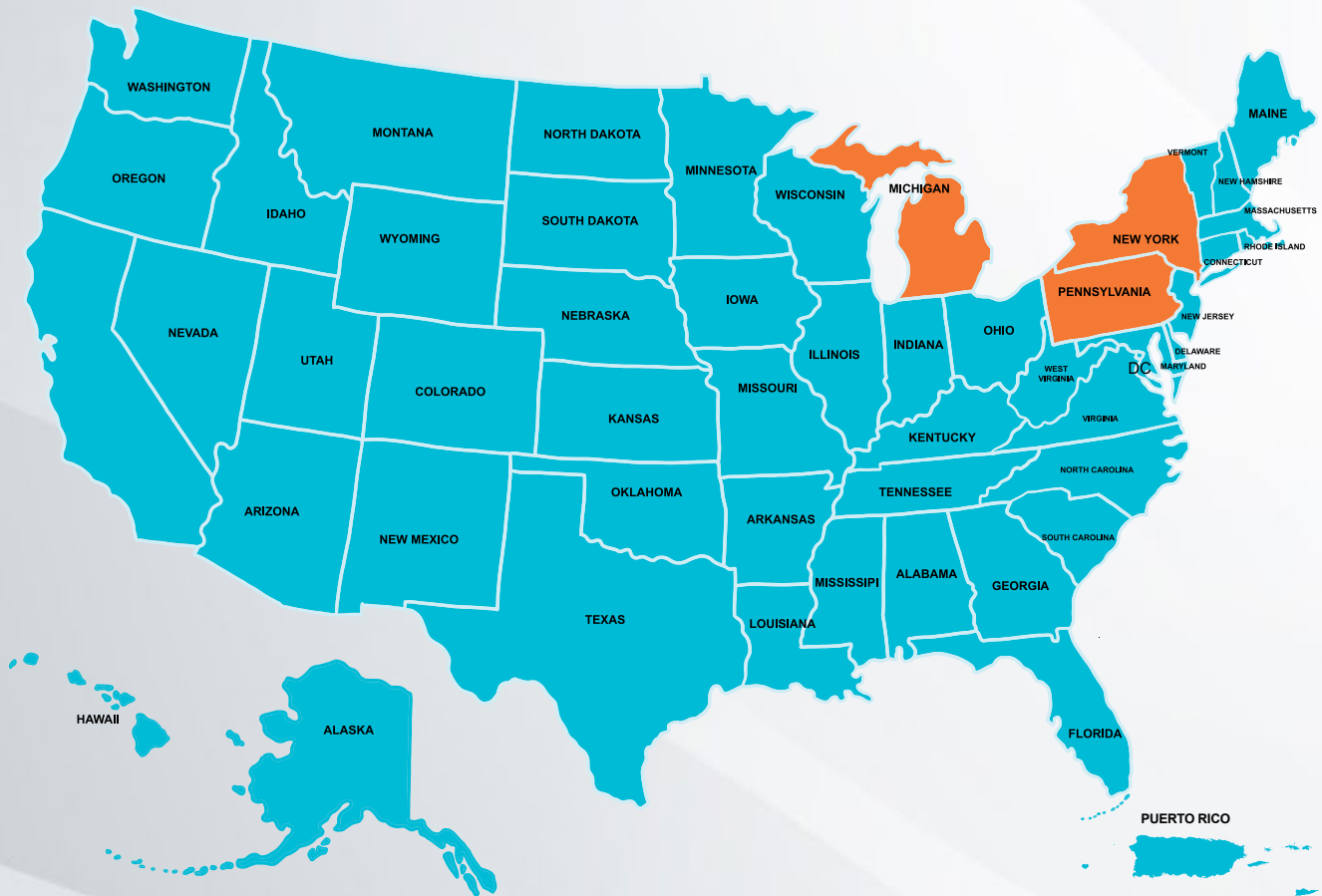
Specialty	Number of DO residents
Aerospace medicine	19
Occupational and environmental medicine	28
Public health and general preventive medicine	22
Psychiatry	1364
Addiction psychiatry	8
Child and adolescent psychiatry	173
Forensic psychiatry	14
Geriatric psychiatry	10
Consultation-liaison psychiatry	11
Radiation oncology	20
Radiology-diagnostic	674
Abdominal radiology	4
Musculoskeletal radiology	6
Neuroradiology	27
Pediatric radiology	3
Interventional radiology	75
Surgery*	1253
Complex general surgical oncology	4
Pediatric surgery	3
Surgical critical care	45
Vascular surgery	61
Thoracic surgery	21
Congenital cardiac surgery	1
Urology	113
Transitional year	510

Subspecialties where entry can come from multiple specialties

Addiction medicine	36
Allergy and immunology	32
Brain injury medicine	6
Clinical informatics	7
Critical care medicine	89
Dermatopathology	7
Female pelvic medicine and reconstructive surgery	17
Geriatric medicine	45
Hand surgery	11
Hospice and palliative medicine	69
Medical toxicology	16
Molecular genetic pathology	1
Neuromuscular medicine	5
Pain medicine	87
Pediatric emergency medicine	92
Sleep medicine	31
Sports medicine	133
Undersea and hyperbaric medicine	1

Where DOs train

Osteopathic physicians in training practice in every state, as well as the District of Columbia and Puerto Rico. The states with the highest number of DO residents and fellows are New York, Pennsylvania, and Michigan, which trends with the states that have the most GME positions.



State	Total
Alabama	240
Alaska	13
Arizona	525
Arkansas	175
California	1797
Colorado	314
Connecticut	263
Delaware	121
Florida	1840
Georgia	466
Hawaii	102
Idaho	69
Illinois	1214

State	Total
Indiana	367
Iowa	227
Kansas	195
Kentucky	372
Louisiana	209
Maine	105
Maryland	213
Massachusetts	399
Michigan	2220
Minnesota	227
Mississippi	232
Missouri	590
Montana	34

State	Total
Nebraska	143
Nevada	381
New Hampshire	61
New Jersey	1155
New Mexico	151
New York	2315
North Carolina	661
North Dakota	16
Ohio	1991
Oklahoma	611
Oregon	213
Pennsylvania	2249
Rhode Island	93

State	Total
South Carolina	434
South Dakota	42
Tennessee	318
Texas	1683
Utah	78
Vermont	32
Virginia	730
Washington	350
West Virginia	244
Wisconsin	324
Wyoming	17
District of Columbia	233
Puerto Rico	8

Top 10 GME institutions with **DOs** in training

DOs trained in 670 ACGME Sponsoring institutions during the 2021-22 academic year. The institutions with the most DO residents and fellows are below.



Name	State	Number Of DO Residents and Fellows
HCA Healthcare/USF Morsani College of Medicine GME Programs	Florida	398
Beaumont Health	Michigan	355
Zucker School of Medicine at Hofstra/Northwell	New York	324
Oklahoma State University Center for Health Sciences	Oklahoma	287
UPMC Medical Education	Pennsylvania	382
OhioHealth	Ohio	276
McLaren Health Care Corporation	Michigan	272
Henry Ford Health	Michigan	258
Rutgers Health	New Jersey	220
Campbell University	North Carolina	214



Advancing osteopathic education in the clinical learning environment

Osteopathic Recognition is a status available to all ACGME-accredited programs to demonstrate that their program incorporates osteopathic principles and practice into the clinical learning environment. Osteopathic Recognition signifies a commitment to teach osteopathic principles, formally continuing this emphasis into graduate medical education. Osteopathic distinctiveness can only be preserved and reinforced when done in a deliberate and focused manner.

By achieving Osteopathic Recognition, training programs help ensure the unique principles and practice of osteopathic medicine will continue to benefit future generations of patients. Osteopathic Recognition also provides advantages for medical students seeking osteopathic-focused training and hospitals in need of resident physicians who provide patient-centered, holistic care.

With an emphasis on caring for body, mind and spirit, the osteopathic approach can help improve patient outcomes, reduce medical care costs and increase patient satisfaction.

During the 2021-2022 academic year, there were 2772 designated osteopathic residents and fellows training in one of 258 programs with Osteopathic Recognition. Programs in 26 specialties and subspecialties have achieved Osteopathic Recognition. This includes 121 graduates of LCME-accredited medical schools and international medical schools.

Specialty Name	Number of Programs	Total residents
Allergy and immunology	1	6
Anesthesiology	4	29
Cardiovascular disease	2	10
Dermatology	4	21
Emergency medicine	6	159
Family medicine	163	1711
Geriatric medicine	1	
Hospice and palliative medicine	1	
Internal medicine	27	404
Internal medicine/Pediatrics	1	11
Interventional cardiology	1	
Neurological surgery	1	15
Neurology	1	9
Obstetrics and gynecology	7	82
Orthopedic surgery	5	94
Osteopathic neuromusculoskeletal medicine	2	
Otolaryngology - Head and Neck Surgery	3	25
Pediatrics	3	38
Physical medicine and rehabilitation	1	9
Plastic surgery	1	4
Psychiatry	2	38
Pulmonary disease and critical care medicine	1	4
Radiology-diagnostic	1	11
Sports medicine (Family medicine)	5	11
Surgery	4	52
Transitional year	6	27
Urology	1	2
Total	258	2772

AOA Distinction of Advanced Osteopathic Training

In 2021, the AOA Board of Trustees approved the creation of the Distinction of Advanced Osteopathic Training which has been conferred to all residents that complete an ACGME program with Osteopathic Recognition. This Distinction recognizes these resident's achievement and excellence in osteopathic medicine and their commitment to incorporating Osteopathic Principles and Practice (OPP) into patient care.

This professional distinction is exclusively available for programs with Osteopathic Recognition and only conferred upon those completing and acquiring these additional skills.

