



2020-2021



# GME Annual Report



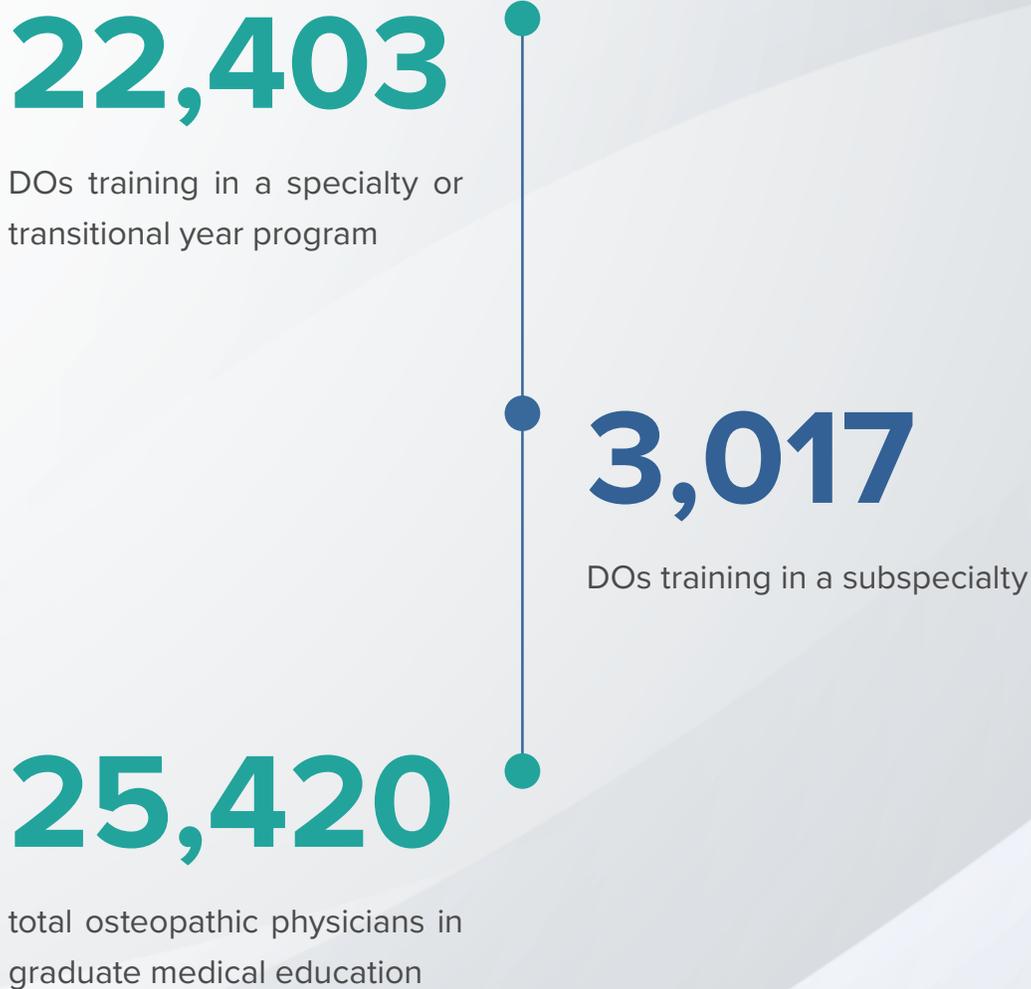
# Graduate Medical Education

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 2020-2021. 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 also 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 2020-2021 academic year, 25,420 osteopathic physicians were active residents and fellows in 124 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.



**22,403**

DOs training in a specialty or transitional year program

**3,017**

DOs training in a subspecialty

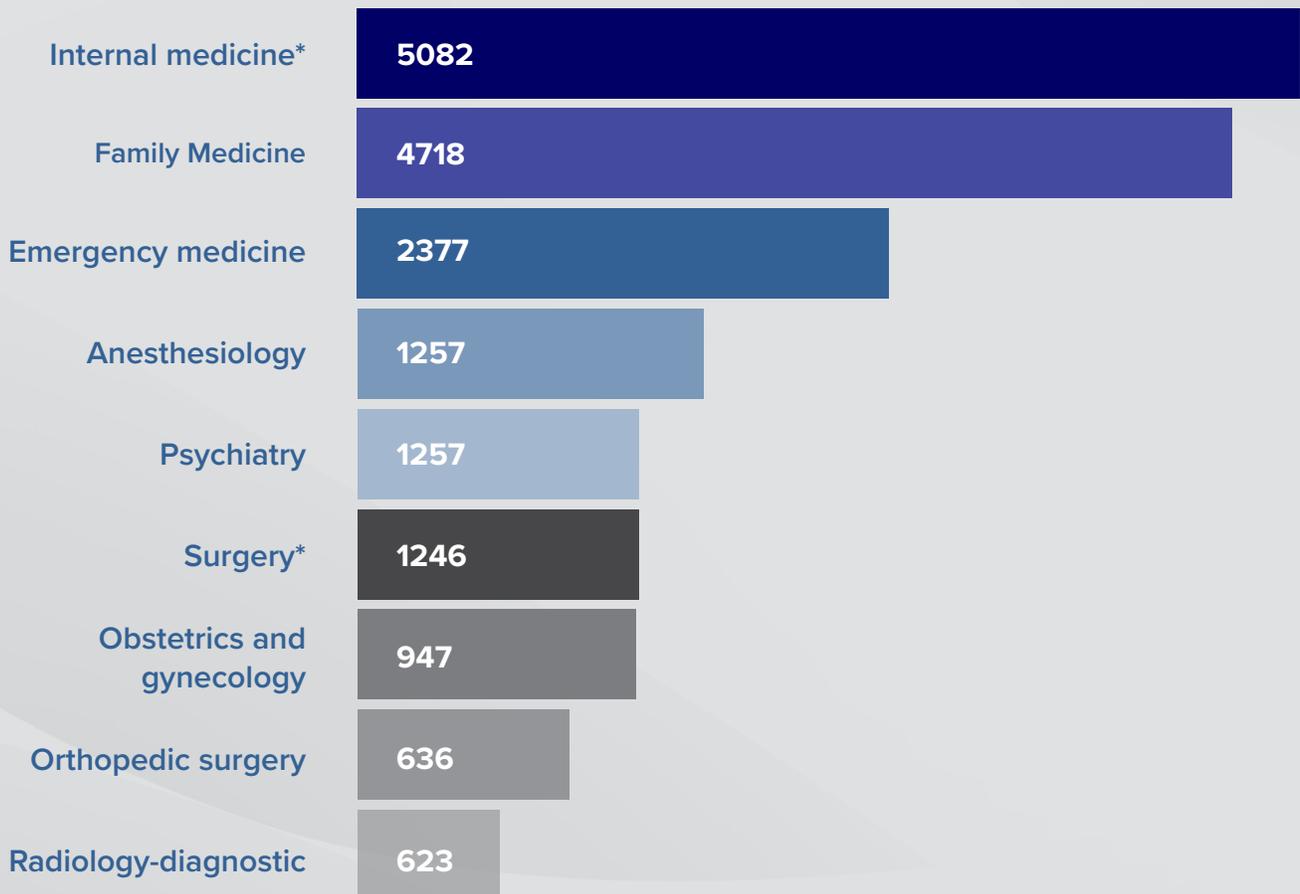
**25,420**

total osteopathic physicians in graduate medical education

# DOs training in all specialties

Osteopathic physicians-in-training are currently enrolled in all 30 ACGME specialties and 94 ACGME subspecialties. Building on the osteopathic profession's historic emphasis on careers in primary care, many DOs are currently training in primary care specialties including family medicine, internal medicine and pediatrics.

## Specialties with the most DOs



\*includes individuals in IM 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 2020-2021 academic year

<b>Specialty</b>	<b>Number of DO residents</b>
<b>Anesthesiology</b>	<b>1257</b>
Adult cardiothoracic anesthesiology	32
Obstetric anesthesiology	7
Pediatric anesthesiology	23
Regional anesthesiology and acute pain medicine	7
Colon and rectal surgery	4
<b>Dermatology</b>	<b>173</b>
Micrographic surgery and dermatologic oncology	7
<b>Emergency medicine</b>	<b>2377</b>
Emergency medical services	16
<b>Family medicine</b>	<b>4718</b>
<b>Internal medicine</b>	<b>5082</b>
Adult congenital heart disease	3
Advanced heart failure and transplant cardiology	13
Cardiovascular disease	341
Clinical cardiac electrophysiology	22
Endocrinology, diabetes, and metabolism	64
Gastroenterology	205
Hematology and medical oncology	135
Infectious disease	99
Interventional cardiology	33
Medical oncology	1
Nephrology	113
Pulmonary disease	11
Pulmonary disease and critical care medicine	269
Rheumatology	76
Transplant hepatology	2
<b>Internal medicine/Pediatrics</b>	<b>144</b>
<b>Medical genetics and genomics</b>	<b>3</b>
Medical biochemical genetics	1
Laboratory genetics and genomics	1
<b>Neurological surgery</b>	<b>88</b>
<b>Neurology</b>	<b>445</b>
Clinical neurophysiology	16
Epilepsy	9
Neurodevelopmental disabilities	2
Vascular neurology	19
<b>Child neurology</b>	<b>35</b>
<b>Nuclear medicine</b>	<b>3</b>
<b>Obstetrics and gynecology</b>	<b>947</b>
Gynecologic oncology	17

<b>Specialty</b>	<b>Number of DO residents</b>
Maternal-fetal medicine	32
Reproductive endocrinology and infertility	6
Complex family planning	2
<b>Ophthalmology</b>	<b>79</b>
<b>Orthopedic surgery</b>	<b>636</b>
Adult reconstructive orthopedics	9
Orthopedic sports medicine	32
Orthopedic surgery of the spine	6
Orthopedic trauma	3
Pediatric orthopedics	2
<b>Osteopathic neuromusculoskeletal medicine</b>	<b>72</b>
<b>Otolaryngology - Head and Neck Surgery</b>	<b>116</b>
Pediatric otolaryngology	1
<b>Pathology-anatomic and clinical</b>	<b>236</b>
Blood banking/transfusion medicine	4
Cytopathology	12
Forensic pathology	7
Hematopathology	10
Medical microbiology	1
Neuropathology	5
Pediatric pathology	2
Selective pathology	12
<b>Pediatrics</b>	<b>1547</b>
Adolescent medicine	14
Child abuse pediatrics	9
Developmental-behavioral pediatrics	16
Neonatal-perinatal medicine	89
Pediatric cardiology	36
Pediatric critical care medicine	57
Pediatric endocrinology	23
Pediatric gastroenterology	28
Pediatric hematology/oncology	55
Pediatric hospital medicine	11
Pediatric infectious diseases	20
Pediatric nephrology	7
Pediatric pulmonology	19
Pediatric rheumatology	10
Pediatric transplant hepatology	2
<b>Physical medicine and rehabilitation</b>	<b>534</b>
Pediatric rehabilitation medicine	8

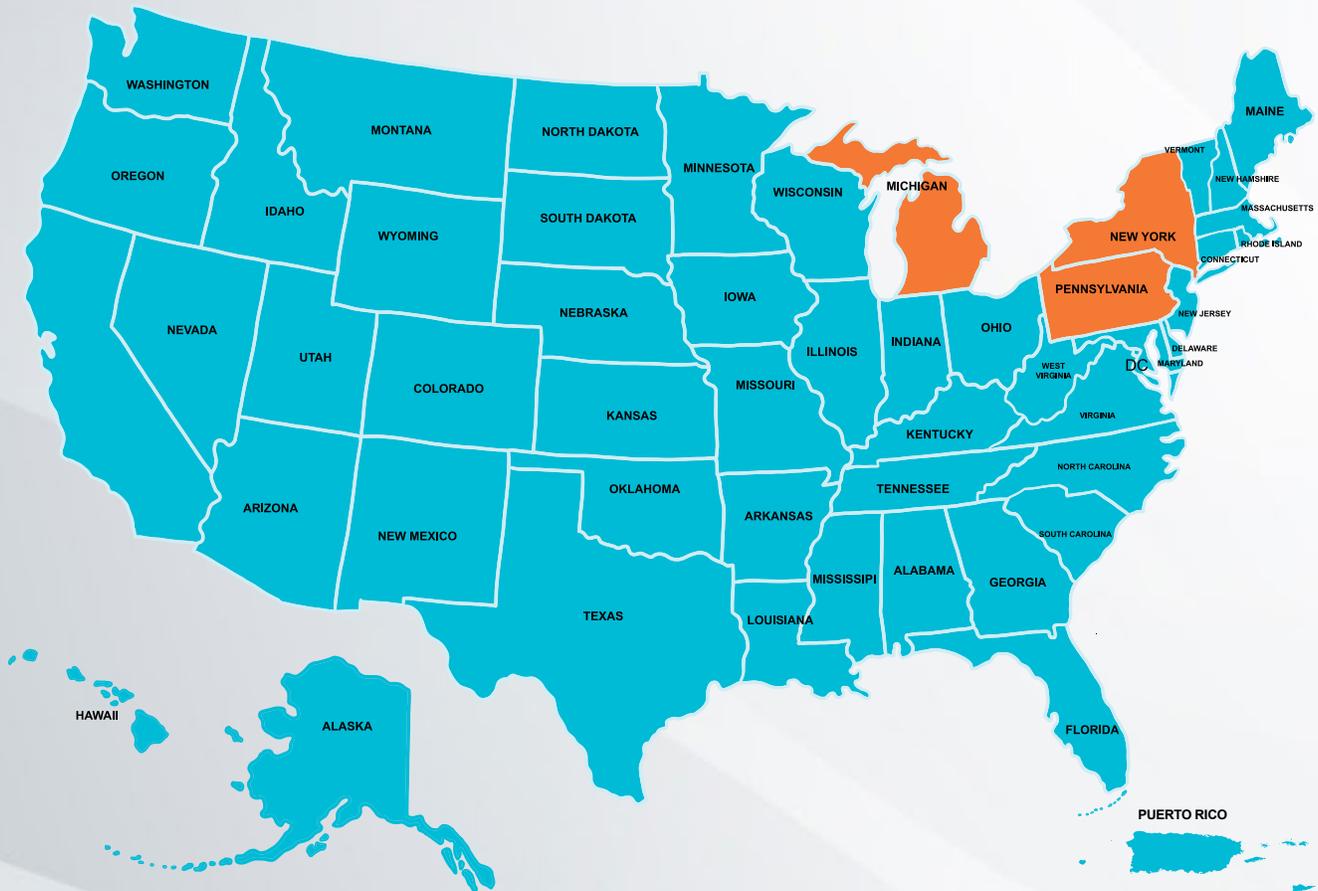
<b>Specialty</b>	<b>Number of DO residents</b>
Spinal cord injury medicine	1
<b>Plastic surgery</b>	<b>31</b>
<b>Preventive medicine</b>	<b>65</b>
<b>Psychiatry</b>	<b>1257</b>
Addiction psychiatry	14
Child and adolescent psychiatry	156
Forensic psychiatry	10
Geriatric psychiatry	4
Consultation-liaison psychiatry	10
<b>Radiation oncology</b>	<b>13</b>
<b>Radiology-diagnostic</b>	<b>623</b>
Abdominal radiology	1
Musculoskeletal radiology	3
Neuroradiology	21
Pediatric radiology	11
Interventional radiology	65
Surgery	1246
Complex general surgical oncology	4
Pediatric surgery	3
Surgical critical care	45
<b>Vascular surgery</b>	<b>48</b>
<b>Thoracic surgery</b>	<b>20</b>
Congenital cardiac surgery	1
<b>Urology</b>	<b>114</b>
<b>Transitional year</b>	<b>429</b>

### **Subspecialties where entry can come from multiple specialties**

Addiction medicine	28
Allergy and immunology	36
Brain injury medicine	4
Clinical informatics	6
Critical care medicine	83
Dermatopathology	5
Female pelvic medicine and reconstructive surgery	13
Geriatric medicine	39
Hand surgery	13
Hospice and palliative medicine	74
Medical toxicology	12
Molecular genetic pathology	3
Neuromuscular medicine	7
Pain medicine	69
Pediatric emergency medicine	80
Sleep medicine	20
Sports medicine	142
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, Michigan, and Pennsylvania, which trends with the states that have the most GME positions.



State	Total
Alabama	209
Alaska	12
Arizona	490
Arkansas	126
California	1575
Colorado	321
Connecticut	256
Delaware	101
Florida	1666
Georgia	418
Hawaii	94
Idaho	56
Illinois	1171

State	Total
Indiana	367
Iowa	205
Kansas	188
Kentucky	353
Louisiana	184
Maine	97
Maryland	193
Massachusetts	390
<b>Michigan</b>	<b>2210</b>
Minnesota	215
Mississippi	216
Missouri	551
Montana	31

State	Total
Nebraska	150
Nevada	365
New Hampshire	44
New Jersey	1071
New Mexico	148
<b>New York</b>	<b>2265</b>
North Carolina	612
North Dakota	14
Ohio	1899
Oklahoma	581
Oregon	208
<b>Pennsylvania</b>	<b>2203</b>
Rhode Island	83

State	Total
South Carolina	384
South Dakota	43
Tennessee	287
Texas	1494
Utah	71
Vermont	29
Virginia	670
Washington	330
West Virginia	228
Wisconsin	315
Wyoming	20
District of Columbia	210
Puerto Rico	1

# Top 10 GME institutions with DOs in training

DOs trained in 670 ACGME Sponsoring institutions during the 2020-21 academic year. The institutions with the most DO residents and fellows are below.

Name	State	Number Of DO Residents and Fellows
Beaumont Health	Michigan	<b>349</b>
HCA Healthcare/USF Morsani College of Medicine GME Programs	Florida	<b>347</b>
Zucker School of Medicine at Hofstra/Northwell	New York	<b>295</b>
UPMC Medical Education	Pennsylvania	<b>286</b>
McLaren Health Care Corporation	Michigan	<b>279</b>
OhioHealth	Ohio	<b>279</b>
Oklahoma State University Center for Health Sciences	Oklahoma	<b>278</b>
Campbell University	North Carolina	<b>224</b>
RowanSOM/Jefferson Health/Virtua Our Lady of Lourdes Hospital	New Jersey	<b>223</b>
Advocate Health Care	Illinois	<b>207</b>





# 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.

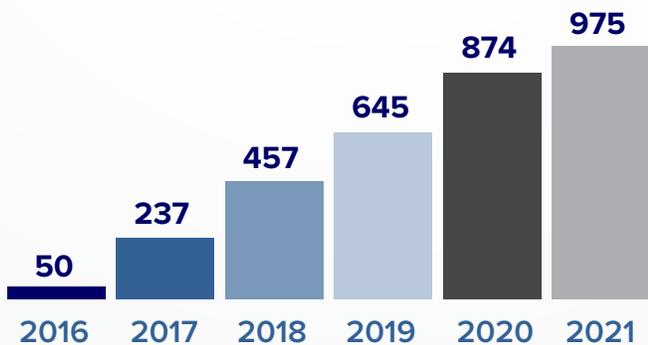
During the 2020-2021 academic year, there were 2680 designated osteopathic residents and fellows training in one of 258 programs with Osteopathic Recognition. Programs in 26 specialties and subspecialties have achieved Osteopathic Recognition. This includes 103 graduates of LCME-accredited medical schools and international medical schools.

Specialty Name	Number of Programs	Total residents
Allergy and immunology	1	6
Anesthesiology	4	40
Cardiovascular disease	2	10
Dermatology	4	21
Emergency medicine	7	186
Family medicine	157	1600
Hospice and palliative medicine	2	1
Internal medicine	33	404
Internal medicine/Pediatrics	1	10
Interventional cardiology	1	1
Neurological surgery	1	13
Neurology	1	9
Obstetrics and gynecology	9	91
Orthopedic surgery	5	97
Osteopathic neuromusculoskeletal medicine	3	1
Otolaryngology - Head and Neck Surgery	3	25
Pediatrics	3	39
Physical medicine and rehabilitation	1	8
Plastic surgery	1	2
Psychiatry	2	33
Pulmonary disease and critical care medicine	1	4
Radiology	1	10
Sports medicine	4	5
Surgery	4	52
Transitional year	6	10
Urology	1	2
<b>Total</b>	<b>258</b>	<b>2680</b>

# AOA Distinction of Advanced Osteopathic Training

Last year, 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. The AOA has retroactively conferred this distinction for the 2016–2021 graduates and has sent certificates to all programs with Osteopathic Recognition to distribute to the 2022 graduates.



Distinctions Conferred

