

Massachusetts Physician Workforce Profile

2019-2020	State Population:	6,892,503	Total Female Physicians:	13,885
	Population ≤ age 24	2,041,927	Total MD or DO Students:	3,147
	Total Active Physicians:	32,116	Total Residents:	5,958
	Primary Care Physicians:	9,401		

For additional data, including maps and tables, please see the 2021 State Physician Workforce Data Report online at www.aamc.org/workforce

		MA	MA Rank	State Median
Physician Supply	Active Physicians per 100,000 Population, 2020	466.0	1	272.0
	Total Active Patient Care Physicians per 100,000 Population, 2020	362.1	1	239.8
	Active Primary Care Physicians per 100,000 Population, 2020	136.4	2	94.7
	Active Patient Care Primary Care Physicians per 100,000 Population, 2020	115.3	3	84.5
	Active General Surgeons per 100,000 Population, 2020	9.5	10	7.7
	Active Patient Care General Surgeons per 100,000 Population, 2020	7.0	25	7.0
	Percentage of Active Physicians Who Are Female, 2020	43.3%	1	36.1%
	Percentage of Active Physicians Who Are International Medical Graduates (IMGs), 2020	24.1%	16	19.7%
	Percentage of Active Physicians Who Are Age 60 or Older, 2020	32.1%	34	32.9%
	Percent of Active Physicians Who Identify as Asian, 2020	19.2%	12	13.7%
	Percent of Active Physicians Who Identify as Black or African American, 2020	3.1%	32	3.8%
	Percent of Active Physicians Who Identify as Hispanic, Latino or of Spanish Origin, 2020	4.4%	12	3.2%
	Percent of Active Physicians Who Identify as American Indian or Alaska Native, 2020	0.2%	44	0.4%
	Percent of Active Physicians Who Identify as Native Hawaiian or Other Pacific Islander, 2020	0.2%	13	0.1%
	Percent of Active Physicians Who Identify as Other Race/Ethnicity, 2020	2.1%	11	1.4%
Percent of Active Physicians Who Identify as White, 2020	65.4%	29	67.3%	
Undergraduate Medical Education (UME)	MD and DO Student Enrollment per 100,000 Population, AY 2019-2020 & 2020-2021	45.7	16	38.6
	Student Enrollment at Public MD and DO Schools per 100,000 Population, AY 2019-2020 & 2020-2021	10.6	38	21.5
	Percentage Change in Student Enrollment at MD and DO Schools, 2010-2020	5.5%	39	31.2%
	Percentage of MD Students Matriculating In-State, AY 2020-2021	35.0%	40	67.6%
Graduate Medical Education (GME)	Total Residents/Fellows in ACGME Programs per 100,000 Population as of December 31, 2019	86.4	2	32.7
	Total Residents/Fellows in Primary Care ACGME Programs per 100,000 Population as of Dec. 31, 2019	25.4	5	12.7
	Percentage of Residents in ACGME Programs Who Are IMGs as of December 31, 2019	19.3%	25	19.2%
	Ratio of Residents and Fellows (GME) to Medical Students (UME), AY 2019-2020 & 2020-2021	1.9	1	1.0
	Percent Change in Residents and Fellows in ACGME-Accredited Programs, 2010-2020	7.8%	45	24.4%
Retention	Percentage of Physicians Retained in State from Undergraduate Medical Education (UME), 2020	29.4%	35	39.7%
	Percentage of Physicians Retained in State from Public UME, 2020	51.1%	8	43.7%
	Percentage of Physicians Retained in State from Graduate Medical Education (GME), 2020	44.1%	29	45.1%
	Percentage of Physicians Retained in State from UME and GME Combined, 2020	58.9%	38	69.7%

State Rank: How the state ranks compared to the other 49. Rank of 1 goes to the state with the highest value for the category.

State Median: The value in the middle of the 50 states, with 25 states above the median and 25 states below (excludes the District of Columbia and Puerto Rico).

Due to changes in the Census data tables, population data was only available for ages ≤ 24, compared to ages ≤ 21 in previous reports.

* Data not shown, for states with less than 10 physicians.

--- Indicated that category is not applicable because some states do not have data on this

N.R. = "Not Ranked"

Source: 2021 State Physician Workforce Data Report. Population estimates as of July 1, 2019 are from the U.S. Census Bureau (Release date: December 2019).

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Specialty	Total Active Physicians	People Per Physician	Female		Age 60 or Older	
			Number	Percent	Number	Percent
All Specialties	32,116	215	13,885	43.3	10,316	32.1
Allergy & Immunology	205	33,622	93	45.4	82	40.0
Anatomic/Clinical Pathology	575	11,987	231	40.2	260	45.2
Anesthesiology	1,200	5,744	423	35.3	463	38.6
Cardiovascular Disease	885	7,788	190	21.5	394	44.5
Child & Adolescent Psychiatry**	472	4,326	269	57.0	163	34.5
Clinical Cardiac Electrophysiology	134	51,437	22	16.4	13	9.7
Critical Care Medicine	580	11,884	212	36.6	47	8.1
Dermatology	467	14,759	274	58.7	147	31.5
Emergency Medicine	1,267	5,440	424	33.5	324	25.6
Endocrinology, Diabetes & Metabolism	456	15,115	258	56.7	142	31.1
Family Medicine/General Practice	1,794	3,842	1,030	57.5	539	30.1
Gastroenterology	562	12,264	149	26.5	204	36.3
General Surgery	658	10,475	195	29.6	240	36.5
Geriatric Medicine***	247	6,600	156	63.2	50	20.2
Hematology & Oncology	836	8,245	326	39.0	244	29.2
Infectious Disease	552	12,486	243	44.0	157	28.4
Internal Medicine	5,043	1,367	2,305	45.8	1,794	35.6
Internal Medicine/Pediatrics	224	30,770	130	58.0	12	5.4
Interventional Cardiology	152	45,345	19	12.5	*	*
Neonatal-Perinatal Medicine	191	36,086	128	67.0	42	22.0
Nephrology	415	16,608	133	32.1	106	25.5
Neurological Surgery	144	47,865	17	11.8	51	35.4
Neurology	663	10,396	230	34.7	264	39.8
Neuroradiology	185	37,257	56	30.3	19	10.3
Obstetrics & Gynecology	1,066	6,466	745	70.0	352	33.0
Ophthalmology	612	11,262	247	40.4	217	35.5
Orthopedic Surgery	474	14,541	45	9.5	217	45.8
Otolaryngology	265	26,009	75	28.3	87	32.8
Pain Medicine & Pain Management	182	37,871	48	26.4	17	9.3
Pediatric Anesthesiology & Anesthesia	134	51,437	65	49.2	*	*
Pediatric Cardiology	167	41,272	81	48.8	30	18.0
Pediatric Critical Care Medicine	97	71,057	55	56.7	13	13.4
Pediatric Hematology & Oncology	163	42,285	98	60.5	38	23.3
Pediatrics**	2,042	1,000	1,358	66.5	720	35.3
Physical Medicine & Rehabilitation	222	31,047	91	41.0	83	37.4
Plastic Surgery	182	37,871	42	23.1	65	35.7
Preventive Medicine	203	33,953	76	37.4	106	52.2
Psychiatry	1,893	3,641	826	43.6	1,002	52.9
Pulmonary Disease	176	39,162	24	13.6	143	81.3
Radiation Oncology	191	36,086	79	41.4	49	25.7
Radiology & Diagnostic Radiology	912	7,558	344	37.8	374	41.1
Rheumatology	298	23,129	146	49.2	104	34.9
Sports Medicine	83	83,042	37	44.6	*	*
Sports Medicine Orthopedic Surgery	88	78,324	13	14.8	*	*
Thoracic Surgery	151	45,646	15	9.9	57	37.7
Urology	289	23,849	36	12.5	110	38.1
Vascular & Interventional Radiology	149	46,258	29	19.5	15	10.1
Vascular Surgery	141	48,883	21	14.9	44	31.2

Sources: AMA Physician Masterfile (December 31, 2020), Population estimates as of July 1, 2019 are from the U.S. Census Bureau (Release date: December 2019)

* Counts and percentages for specialties with fewer than 10 physicians are not shown

** Only those 24 years or younger are included in People Per Physician

*** Only those 60 years or older are included in People Per Physician

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		Number	Percent
State Where GME Was Completed for All Active Physicians in State	Massachusetts	18,009	60%
	New York	2,833	9%
	Pennsylvania	1,106	4%
	Connecticut	844	3%
	Rhode Island	826	3%
	California	823	3%
	Illinois	532	2%
	Maryland	523	2%
	Ohio	420	1%
	Michigan	335	1%
	All other states	3,590	12%
Practice Location of Physicians Who Completed GME in State	Massachusetts	18,009	44%
	California	3,231	8%
	New York	2,188	5%
	Florida	1,460	4%
	Texas	1,230	3%
	Pennsylvania	1,113	3%
	Connecticut	938	2%
	Maryland	797	2%
	New Hampshire	739	2%
	North Carolina	738	2%
	All other states	10,234	25%

Notes:

GME = Graduate Medical Education

"All other states" includes physicians who completed GME in Canada.

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