

2021

# State Physician Workforce Data Report

JANUARY 2022

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## ACKNOWLEDGMENTS

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The Workforce Studies team welcomes your comments and suggestions for future editions of this report.

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# EXECUTIVE SUMMARY

The *2021 State Physician Workforce Data Report*, which is an update of the *2019 State Physician Workforce Data Report*, examines current physician supply, medical school enrollment, and graduate medical education (GME) in the United States.

The report provides the most current data available for each state, the District of Columbia (D.C.), and Puerto Rico in a series of maps, figures, and tables, including the U.S. average (excluding Puerto Rico), state median (excluding D.C. and Puerto Rico),<sup>1</sup> and state rank. Additionally, this edition includes a summary table that compares the state median for each physician workforce measure in 2010, 2012, 2014, 2016, 2018, and 2020.

The *Data Report* is divided into four sections:

**SECTION I: PHYSICIAN SUPPLY** presents data on active physicians in each state, including physician-to-population ratios, percentage who are female, age distribution, and school type.

**SECTION II: UNDERGRADUATE MEDICAL EDUCATION** provides information on enrollment at both MD-granting and DO-granting schools, as well as data on in-state matriculation. Alaska, Delaware, Idaho, Montana, and Wyoming do not have MD-granting schools, but four of those states (Alaska, Idaho, Montana, and Wyoming) have an agreement with the University of Washington School of Medicine to reserve undergraduate medical education (UME) slots for residents of those states. For this report, all students at the University of Washington Medical School are counted in the Washington enrollment and not in other states.

**SECTION III: GRADUATE MEDICAL EDUCATION** presents data on physicians in residency and fellowship positions in each state, including residents-and-fellows-to-population ratios and medical school type. This section includes data on MDs and DOs training in programs accredited by the Accreditation Council for Graduate Medical Education (ACGME).

**SECTION IV: RETENTION** presents data on states' retention of the physicians they educate in medical schools and GME programs.

The primary data sources for this report are:

- 2021 American Medical Association (AMA) Physician Masterfile (Dec. 31, 2020).
- 2019 population estimates from the U.S. Census Bureau (July 1, 2019).
- AAMC datasets as of July 2021: Undergraduate medical education data were from the Student Records System (SRS), and race and ethnicity data were from a variety of AAMC data sources.
- 2019-2020 American Association of Colleges of Osteopathic Medicine enrollment data.
- 2021 National GME Census, which is conducted jointly by the AAMC and the AMA.

1. The U.S. average differs from the state median. The U.S. average is calculated by summing the values for all 50 states and Washington, D.C., and dividing the sum by 51. The state median, however, excludes Washington, D.C., and Puerto Rico and is the value directly in the middle of the 50 states, so that 25 states are above the state median and 25 states are below the state median.

## State Snapshots

Individual state data summarized across all tables and figures in this data report, as well as physician counts for the top specialties and interstate migration of physicians in GME and active practice, can be downloaded as a PDF from [aamc.org/data-reports/workforce/report/state-physician-workforce-data-report](https://aamc.org/data-reports/workforce/report/state-physician-workforce-data-report).



## Key Definitions

**Active patient care physicians:** This group is a subset of active physicians. It comprises only those physicians whose self-reported type of practice is direct patient care.

**Active physicians:** Physicians (federal and nonfederal) who are licensed by a state are considered active, provided they are working at least 20 hours per week. Physicians who are retired, semiretired, temporarily not in practice, not active for other reasons, or have not completed their graduate medical education are excluded. Active physicians include those working in direct patient care, administration, medical teaching, research, or other nonpatient care activities. Active physicians include those with a doctor of medicine (MD) or a doctor of osteopathic medicine (DO) degree. The total number of active physicians may differ between tables in this report as a result of missing information in the data file. For example, to determine the percentage of active physicians who are female, the total number of active physicians excludes people whose sex was not reported in the data file.

Unless stated otherwise, we report on physicians who are active in the 50 states of the United States, D.C., and Puerto Rico — regardless of where they attended medical school. Physicians active in other U.S. territories are excluded. The location of the physician's office was used to determine whether an active physician is in the United States. In cases where the physician's office location was missing, the state from the preferred mailing address was used. This substitution occurred for approximately 11% of cases among all active physicians.

**Fellows:** Physicians who have completed a residency and are pursuing further training in a subspecialty through a fellowship program accredited by the ACGME.

**International medical graduate (IMG):** An individual who graduated from a medical school outside the United States, Puerto Rico, or Canada is considered an IMG. This includes U.S. citizens who completed their medical education outside the United States, Puerto Rico, or Canada.

To be eligible for licensure and practice in the United States, all IMGs must be certified by the Educational Commission for Foreign Medical Graduates (ECFMG) and complete a residency training program in the United States. Graduates of Canadian medical schools are not considered IMGs because they do not have to be certified by the ECFMG to enter a residency training program in the United States. Although graduates of Canadian medical schools who are practicing in the United States are not considered IMGs or U.S. MDs, they are included in the total for active physicians.

**Primary care physicians:** Physicians are counted as primary care physicians if their self-designated primary specialty is one of the following: adolescent medicine (pediatrics), family medicine, general practice, geriatric medicine (family practice), geriatric medicine (internal medicine), internal medicine, internal medicine/pediatrics, or pediatrics. Residents and fellows are counted as primary care residents and fellows if they are in one of the following programs: adolescent medicine (pediatrics), family medicine, family practice, geriatric medicine (family practice), geriatric medicine (internal medicine), geriatric medicine/family practice, geriatric medicine/internal medicine, internal medicine, internal medicine/family practice, internal medicine/pediatrics, or pediatrics.

**Residents:** Physicians who have completed undergraduate medical education and are in a core ACGME- or AOA-accredited training program.

**U.S. DO:** Physicians who received their DO degree from a U.S. osteopathic school that is accredited by the American Osteopathic Association Commission on Osteopathic College Accreditation (COCA).

**U.S. MD:** Physicians who received their MD degree from a medical school in the United States or Puerto Rico that is accredited by the Liaison Committee on Medical Education (LCME®). Graduates of Canadian medical schools are not counted as U.S. MDs.

## Commonly Used Acronyms

AACOM	American Association of Colleges of Osteopathic Medicine	GME	graduate medical education
AAMC	Association of American Medical Colleges	IMG	international medical graduate
ACGME	Accreditation Council for Graduate Medical Education	MD	Doctor of Medicine
AMA	American Medical Association	OGME	Osteopathic Graduate Medical Education
DO	Doctor of Osteopathic Medicine	UME	undergraduate medical education

## Section I: Physician Supply

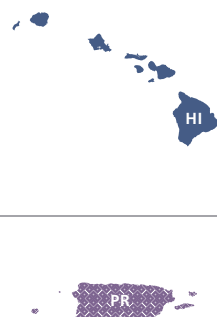
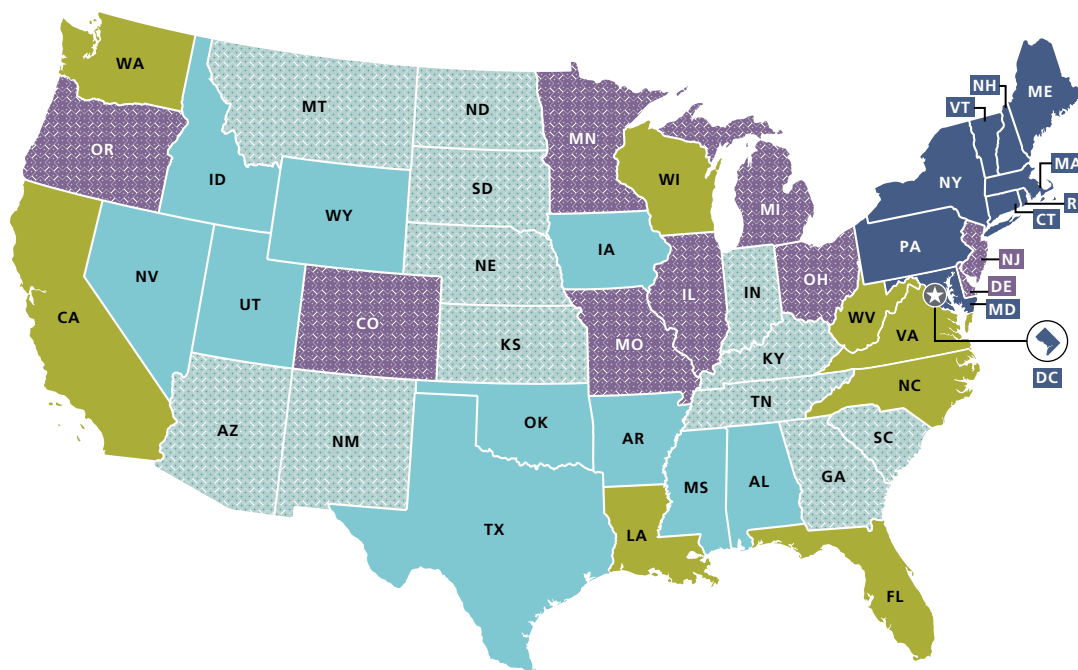
### KEY FINDINGS

- In 2020, there were 286.5 active physicians per 100,000 population in the United States, ranging from a high of 466.0 in Massachusetts to a low of 196.1 in Idaho. The states with the highest number of physicians per 100,000 population are concentrated in the Northeast (refer to Map 1.1, Figure 1.1, and Table 1.1).
- There were 94.4 active primary care physicians per 100,000 population in the United States in 2020 (refer to Map 1.3, Figure 1.3, and Table 1.3). Vermont had the highest number of primary care physicians per 100,000 (140.1). Utah had the lowest number of primary care physicians per 100,000 population (67.0).
- Nationally, there were 7.6 active general surgeons per 100,000 population in 2020 (refer to Map 1.5, Figure 1.5, and Table 1.5), a slight drop from the 7.7 active general surgeons per 100,000 population in 2018. Maine and Vermont had the highest number of general surgeons per 100,000 population (11.9 and 11.5, respectively), while Nevada and Idaho had the lowest number of general surgeons per 100,000 population (5.7 and 5.5, respectively).
- In 2020, 36.7% of active physicians in the United States were female (refer to Figure 1.7 and Table 1.7). About one-third of active physicians in 31 states, Puerto Rico, and the District of Columbia were female. Utah had the lowest percentage of female physicians (25.4%).
- Nationally, 24.7% of active physicians were IMGs (see Map 1.8, Figure 1.8, and Table 1.8). States varied widely in the percentage of their physician workforce that graduated from an international medical school.<sup>1</sup> New Jersey and New York had the highest percentages (38.4% and 37.1%, respectively), while Montana and Idaho had the lowest (6.6% and 5.8%, respectively).
- More than one-third (33.7%) of active physicians in the United States were age 60 or older in 2020, although this varied by state. Maine had the highest percentage (39.3%), while Utah had the lowest percentage (28.3%) of physicians 60 or older (refer to Figure 1.9 and Table 1.9).
- In 2020, 5.3% of physicians identified as Black or African American, 5.4% identified as Hispanic, Latino, or of Spanish origin, 1.9% identified as Other race or ethnicity, and less than 1% identified as American Indian or Alaska Native or as Native Hawaiian or Other Pacific Islander (0.4% and 0.2%, respectively). Georgia had the highest percentage of physicians who identified with a race or ethnicity that is underrepresented in medicine (16.3% identified as Black or African American) and two states — South Dakota and Wyoming — had no physicians who identified as Native Hawaiian or Other Pacific Islander (refer to Table 1.10a through Table 1.10g).

1. Graduates from Canadian medical schools are not considered IMGs. Refer to [Key Definitions](#) for more information.

1

## Active Physicians per 100,000 Population by Degree Type, 2020



## Key

196.08 to 235.65

235.66 to 258.99

259.00 to 287.80

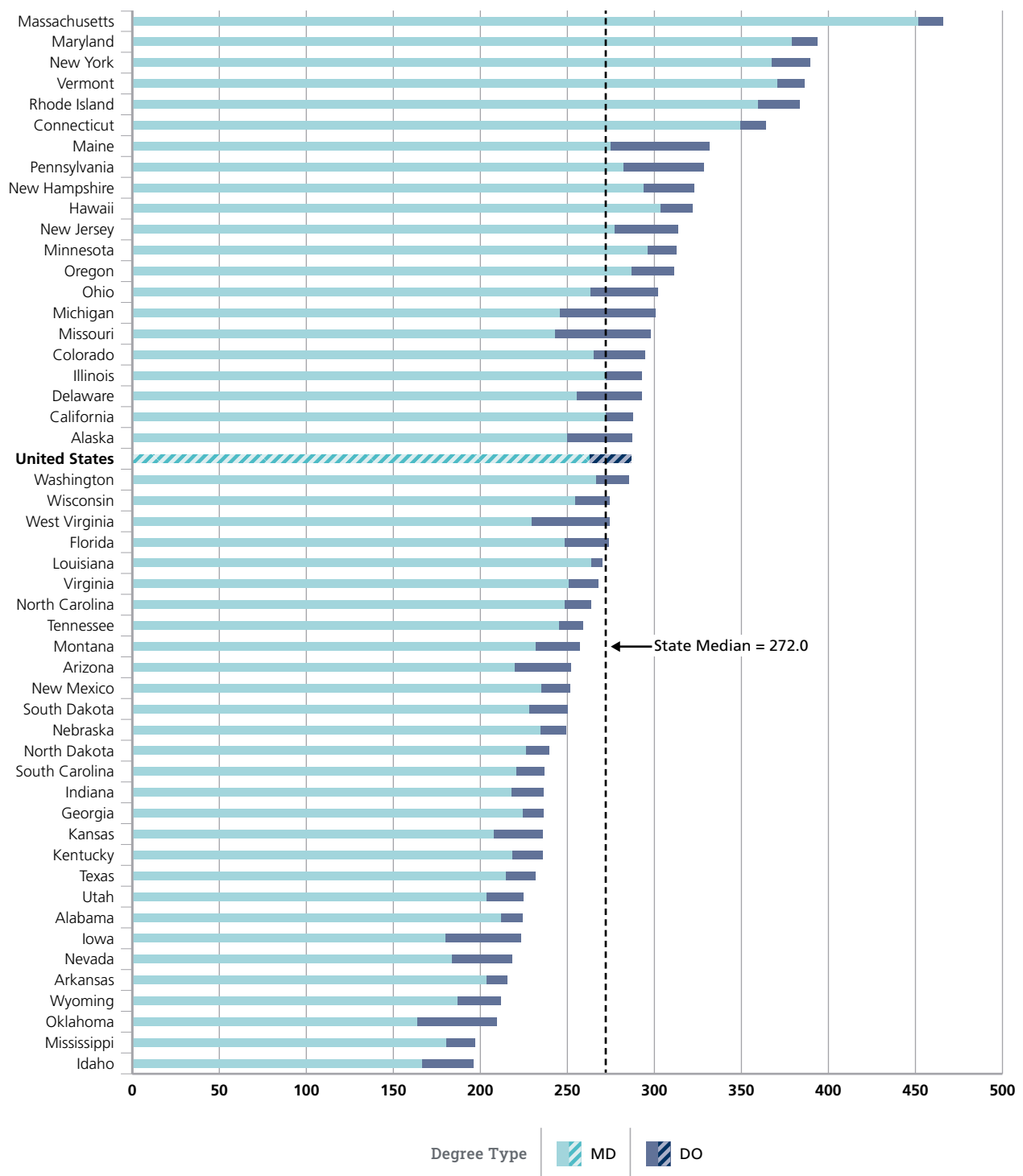
287.81 to 321.85

321.86 to 870.99

Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data include MDs and DOs and are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: Number ranges in the key are rounded; states that fall between ranges are shaded according to the closest range.

**Map 1.1.** Active physicians per 100,000 population, 2020.



Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).  
 Note: Physicians whose degree type was unavailable (n = 61) are excluded.

**Figure 1.1.** Active physicians per 100,000 population by degree type, 2020.

**Table 1.1 Active Physicians per 100,000 Population by Degree Type, 2020**

	Total Population	Total Active Physicians*			Active MDs		Active DOs	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	328,239,523	940,254	286.5	N.R.	861,912	262.6	78,281	23.8
Alabama	4,903,185	10,983	224.0	43	10,389	211.9	594	12.1
Alaska	731,545	2,101	287.2	21	1,825	249.5	276	37.7
Arizona	7,278,717	18,343	252.0	31	15,989	219.7	2,353	32.3
Arkansas	3,017,804	6,500	215.4	46	6,132	203.2	368	12.2
California	39,512,223	113,718	287.8	20	107,383	271.8	6,333	16.0
Colorado	5,758,736	16,956	294.4	17	15,270	265.2	1,685	29.3
Connecticut	3,565,287	12,977	364.0	6	12,453	349.3	523	14.7
Delaware	973,764	2,850	292.7	19	2,484	255.1	366	37.6
District of Columbia	705,749	6,147	871.0	N.R.	5,992	849.0	154	21.8
Florida	21,477,737	58,822	273.9	25	53,328	248.3	5,486	25.5
Georgia	10,617,423	25,072	236.1	38	23,832	224.5	1,237	11.7
Hawaii	1,415,872	4,557	321.9	10	4,293	303.2	264	18.6
Idaho	1,787,065	3,504	196.1	50	2,973	166.4	531	29.7
Illinois	12,671,821	37,122	292.9	18	34,485	272.1	2,630	20.8
Indiana	6,732,219	15,918	236.4	37	14,662	217.8	1,255	18.6
Iowa	3,155,070	7,056	223.6	44	5,669	179.7	1,387	44.0
Kansas	2,913,314	6,874	236.0	39	6,054	207.8	820	28.1
Kentucky	4,467,673	10,528	235.6	40	9,758	218.4	770	17.2
Louisiana	4,648,794	12,557	270.1	26	12,261	263.7	296	6.4
Maine	1,344,212	4,459	331.7	7	3,691	274.6	768	57.1
Maryland	6,045,680	23,791	393.5	2	22,915	379.0	876	14.5
Massachusetts	6,892,503	32,116	466.0	1	31,123	451.5	990	14.4
Michigan	9,986,857	30,040	300.8	15	24,534	245.7	5,499	55.1
Minnesota	5,639,632	17,617	312.4	12	16,702	296.2	915	16.2
Mississippi	2,976,149	5,857	196.8	49	5,370	180.4	487	16.4
Missouri	6,137,428	18,297	298.1	16	14,888	242.6	3,408	55.5
Montana	1,068,778	2,750	257.3	30	2,474	231.5	276	25.8
Nebraska	1,934,408	4,820	249.2	34	4,537	234.5	283	14.6
Nevada	3,080,156	6,731	218.5	45	5,648	183.4	1,083	35.2
New Hampshire	1,359,711	4,391	322.9	9	3,996	293.9	395	29.1
New Jersey	8,882,190	27,832	313.3	11	24,622	277.2	3,208	36.1
New Mexico	2,096,829	5,269	251.3	32	4,929	235.1	340	16.2
New York	19,453,561	75,749	389.4	3	71,442	367.2	4,300	22.1
North Carolina	10,488,084	27,650	263.6	28	26,024	248.1	1,626	15.5
North Dakota	762,062	1,826	239.6	35	1,722	226.0	104	13.6
Ohio	11,689,100	35,333	302.3	14	30,747	263.0	4,583	39.2
Oklahoma	3,956,971	8,293	209.6	48	6,474	163.6	1,815	45.9
Oregon	4,217,737	13,127	311.2	13	12,084	286.5	1,042	24.7
Pennsylvania	12,801,989	42,051	328.5	8	36,134	282.3	5,916	46.2
Puerto Rico	3,193,694	9,813	307.3	N.R.	9,811	307.2	2	0.1
Rhode Island	1,059,361	4,063	383.5	5	3,805	359.2	257	24.3
South Carolina	5,148,714	12,197	236.9	36	11,364	220.7	833	16.2
South Dakota	884,659	2,214	250.3	33	2,017	228.0	197	22.3
Tennessee	6,829,174	17,687	259.0	29	16,722	244.9	965	14.1
Texas	28,995,881	67,182	231.7	41	62,219	214.6	4,960	17.1
Utah	3,205,958	7,198	224.5	42	6,515	203.2	683	21.3
Vermont	623,989	2,410	386.2	4	2,312	370.5	98	15.7
Virginia	8,535,519	22,874	268.0	27	21,378	250.5	1,494	17.5
Washington	7,614,893	21,731	285.4	22	20,282	266.3	1,449	19.0
West Virginia	1,792,147	4,914	274.2	24	4,112	229.4	801	44.7
Wisconsin	5,822,434	15,975	274.4	23	14,817	254.5	1,158	19.9
Wyoming	578,759	1,225	211.7	47	1,081	186.8	144	24.9

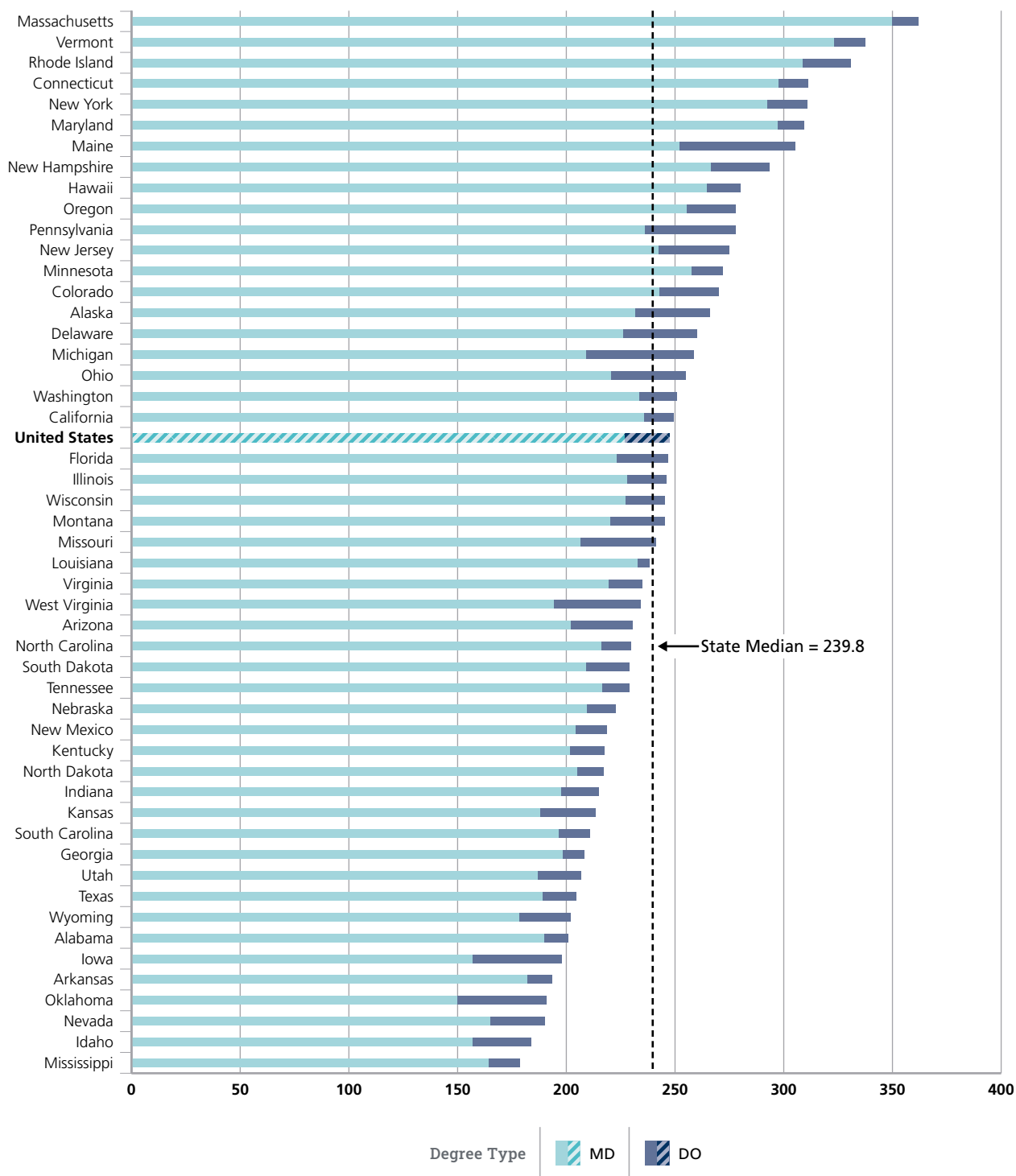
Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data are from the 2021 AMA Physician Masterfile (Dec. 31, 2020). N.R. = not ranked.

Note: Applicants who did not report sex were excluded. The Multiple Race and Ethnicity category includes those who selected more than one race/ethnicity response.

\*Physicians whose degree type was unavailable (n = 61) are included in the total.

## 2

## Active Patient Care Physicians per 100,000 Population by Degree Type, 2020



Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).  
 Note: Physicians whose degree type was unavailable (n = 8) are excluded.

**Figure 1.2.** Active patient care physicians per 100,000 population by degree type, 2020.

**Table 1.2. Active Patient Care Physicians per 100,000 Population by Degree Type, 2020**

	Total Population	Total Active Patient Care Physicians*			Active Patient Care MDs		Active Patient Care DOs	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	328,239,523	812,492	247.5	N.R.	743,574	226.5	68,910	21.0
Alabama	4,903,185	9,853	201.0	44	9,303	189.7	550	11.2
Alaska	731,545	1,945	265.9	15	1,693	231.4	252	34.4
Arizona	7,278,717	16,787	230.6	29	14,713	202.1	2,074	28.5
Arkansas	3,017,804	5,843	193.6	46	5,497	182.2	346	11.5
California	39,512,223	98,607	249.6	20	93,092	235.6	5,514	14.0
Colorado	5,758,736	15,562	270.2	14	13,971	242.6	1,591	27.6
Connecticut	3,565,287	11,092	311.1	4	10,612	297.6	480	13.5
Delaware	973,764	2,532	260.0	16	2,203	226.2	329	33.8
District of Columbia	705,749	4,449	630.4	N.R.	4,336	614.4	113	16.0
Florida	21,477,737	52,947	246.5	21	47,930	223.2	5,017	23.4
Georgia	10,617,423	22,140	208.5	40	21,041	198.2	1,098	10.3
Hawaii	1,415,872	3,965	280.0	9	3,744	264.4	221	15.6
Idaho	1,787,065	3,285	183.8	49	2,801	156.7	484	27.1
Illinois	12,671,821	31,194	246.2	22	28,899	228.1	2,294	18.1
Indiana	6,732,219	14,456	214.7	37	13,299	197.5	1,157	17.2
Iowa	3,155,070	6,239	197.7	45	4,949	156.9	1,290	40.9
Kansas	2,913,314	6,224	213.6	38	5,472	187.8	752	25.8
Kentucky	4,467,673	9,718	217.5	35	9,000	201.4	718	16.1
Louisiana	4,648,794	11,082	238.4	26	10,827	232.9	255	5.5
Maine	1,344,212	4,103	305.2	7	3,389	252.1	714	53.1
Maryland	6,045,680	18,707	309.4	6	17,965	297.2	742	12.3
Massachusetts	6,892,503	24,956	362.1	1	24,101	349.7	854	12.4
Michigan	9,986,857	25,841	258.8	17	20,871	209.0	4,969	49.8
Minnesota	5,639,632	15,342	272.0	13	14,520	257.5	822	14.6
Mississippi	2,976,149	5,316	178.6	50	4,890	164.3	426	14.3
Missouri	6,137,428	14,806	241.2	25	12,662	206.3	2,143	34.9
Montana	1,068,778	2,620	245.1	24	2,353	220.2	267	25.0
Nebraska	1,934,408	4,309	222.8	33	4,052	209.5	257	13.3
Nevada	3,080,156	5,859	190.2	48	5,078	164.9	781	25.4
New Hampshire	1,359,711	3,990	293.4	8	3,620	266.2	370	27.2
New Jersey	8,882,190	24,409	274.8	12	21,540	242.5	2,869	32.3
New Mexico	2,096,829	4,586	218.7	34	4,279	204.1	307	14.6
New York	19,453,561	60,446	310.7	5	56,888	292.4	3,558	18.3
North Carolina	10,488,084	24,113	229.9	30	22,678	216.2	1,435	13.7
North Dakota	762,062	1,655	217.2	36	1,561	204.8	94	12.3
Ohio	11,689,100	29,798	254.9	18	25,793	220.7	4,005	34.3
Oklahoma	3,956,971	7,548	190.8	47	5,921	149.6	1,627	41.1
Oregon	4,217,737	11,720	277.9	10	10,769	255.3	950	22.5
Pennsylvania	12,801,989	35,571	277.9	11	30,220	236.1	5,351	41.8
Puerto Rico	3,193,694	8,059	252.3	N.R.	8,057	252.3	2	0.1
Rhode Island	1,059,361	3,505	330.9	3	3,269	308.6	236	22.3
South Carolina	5,148,714	10,844	210.6	39	10,116	196.5	728	14.1
South Dakota	884,659	2,028	229.2	31	1,848	208.9	180	20.3
Tennessee	6,829,174	15,638	229.0	32	14,779	216.4	859	12.6
Texas	28,995,881	59,332	204.6	42	54,789	189.0	4,542	15.7
Utah	3,205,958	6,631	206.8	41	5,988	186.8	643	20.1
Vermont	623,989	2,106	337.5	2	2,015	322.9	91	14.6
Virginia	8,535,519	20,038	234.8	27	18,732	219.5	1,306	15.3
Washington	7,614,893	19,099	250.8	19	17,772	233.4	1,327	17.4
West Virginia	1,792,147	4,198	234.2	28	3,483	194.3	715	39.9
Wisconsin	5,822,434	14,289	245.4	23	13,219	227.0	1,070	18.4
Wyoming	578,759	1,169	202.0	43	1,032	178.3	137	23.7

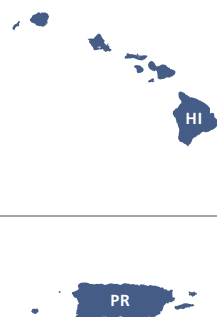
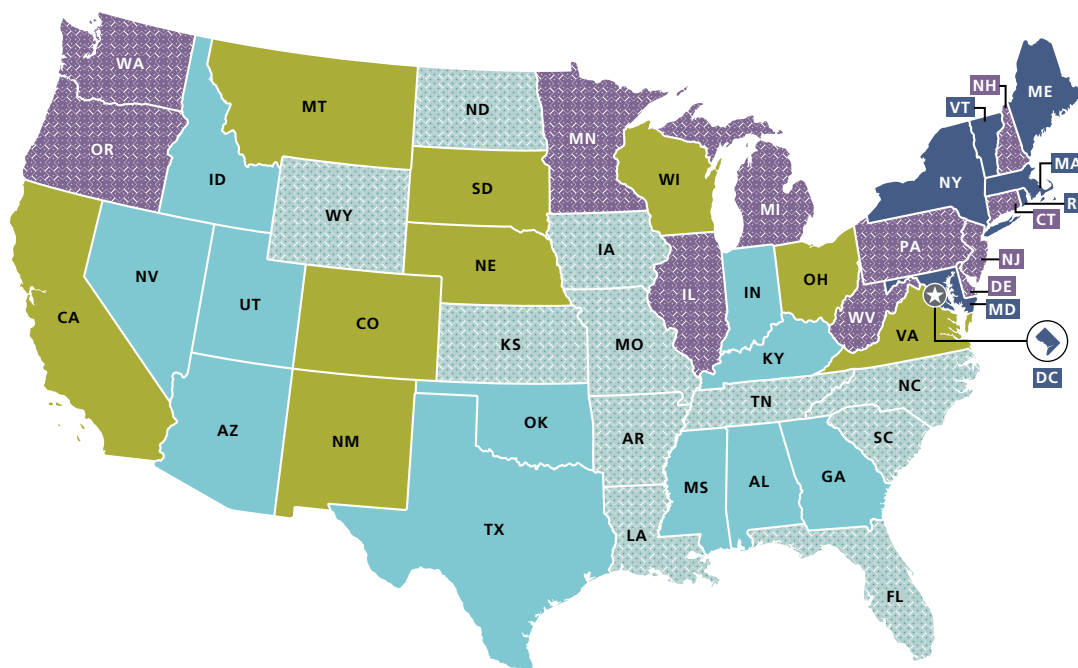
Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: N.R. = not ranked.

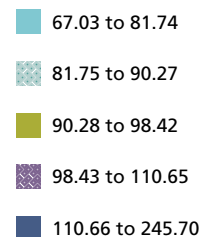
\*Physicians whose degree type was unavailable (n = 8) are included in the total.

## 3

## Active Primary Care Physicians per 100,000 Population by Degree Type, 2020



## Key

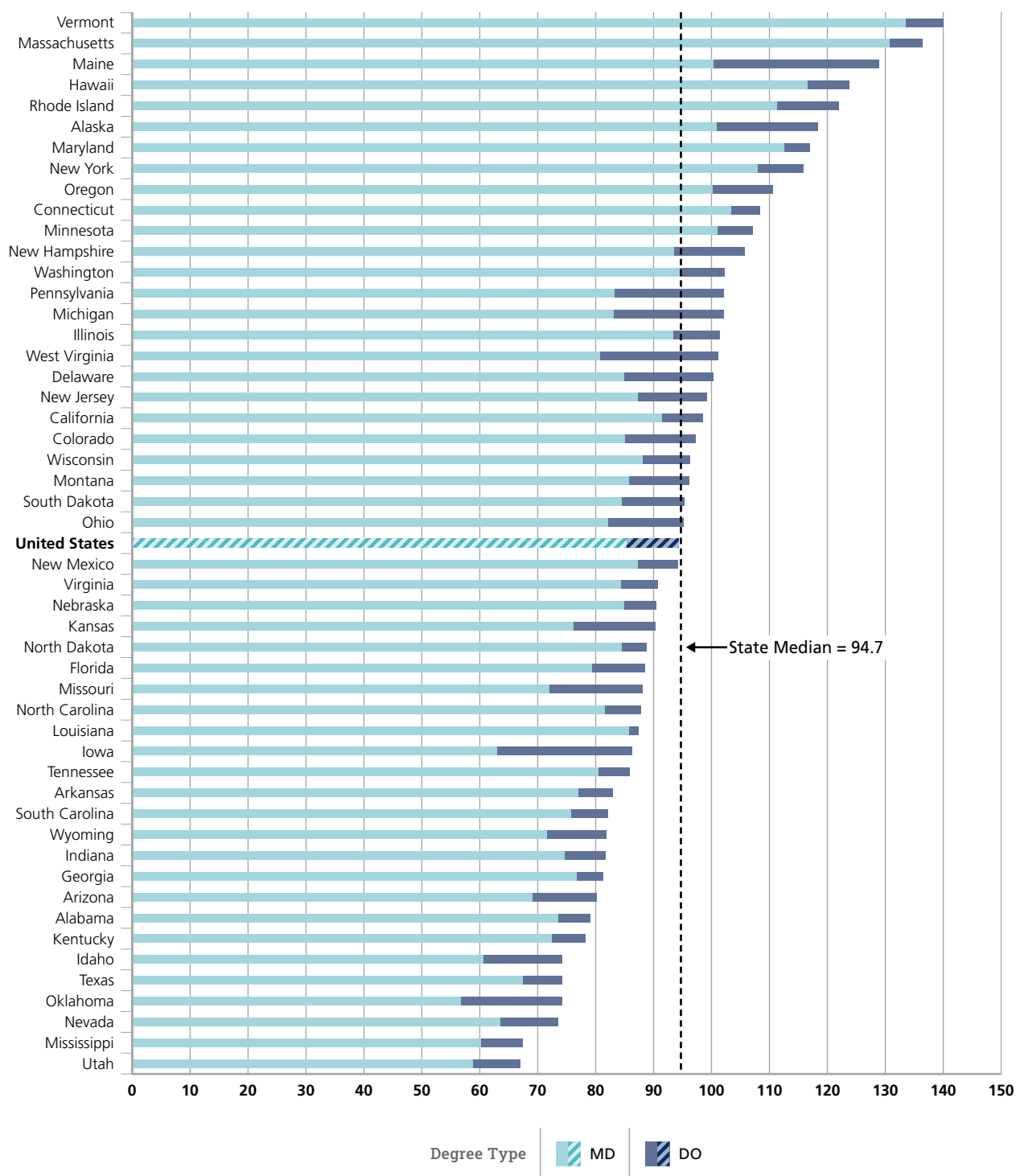


Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data include MDs and DOs and are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: Number ranges in the key are rounded; states that fall between ranges are shaded according to the closest range.

**Map 1.3.** Active primary care physicians per 100,000 population, 2020.





Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released: December 2019). Physician data are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).  
 Note: Physicians whose degree type was unavailable (n = 2) are excluded.

**Figure 1.3.** Active primary care physicians per 100,000 population by degree type, 2020.

**Table 1.3. Active Primary Care Physicians per 100,000 Population by Degree Type, 2020**

	Total Population	Total Active Primary Care Physicians*			Active Primary Care MDs		Active Primary Care DOs	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	328,239,523	309,736	94.4	N.R.	279,764	85.2	29,970	9.1
Alabama	4,903,185	3,873	79.0	43	3,606	73.5	267	5.4
Alaska	731,545	866	118.4	6	738	100.9	128	17.5
Arizona	7,278,717	5,835	80.2	42	5,033	69.1	802	11.0
Arkansas	3,017,804	2,504	83.0	37	2,322	76.9	182	6.0
California	39,512,223	38,891	98.4	20	36,142	91.5	2,749	7.0
Colorado	5,758,736	5,597	97.2	21	4,901	85.1	696	12.1
Connecticut	3,565,287	3,864	108.4	10	3,688	103.4	176	4.9
Delaware	973,764	977	100.3	18	827	84.9	150	15.4
District of Columbia	705,749	1,734	245.7	N.R.	1,688	239.2	46	6.5
Florida	21,477,737	19,018	88.5	31	17,048	79.4	1,970	9.2
Georgia	10,617,423	8,636	81.3	41	8,151	76.8	485	4.6
Hawaii	1,415,872	1,753	123.8	4	1,651	116.6	102	7.2
Idaho	1,787,065	1,327	74.3	45	1,083	60.6	244	13.7
Illinois	12,671,821	12,850	101.4	16	11,838	93.4	1,012	8.0
Indiana	6,732,219	5,503	81.7	40	5,021	74.6	482	7.2
Iowa	3,155,070	2,723	86.3	35	1,985	62.9	738	23.4
Kansas	2,913,314	2,630	90.3	29	2,218	76.1	412	14.1
Kentucky	4,467,673	3,493	78.2	44	3,238	72.5	255	5.7
Louisiana	4,648,794	4,067	87.5	34	3,984	85.7	83	1.8
Maine	1,344,212	1,733	128.9	3	1,349	100.4	384	28.6
Maryland	6,045,680	7,075	117.0	7	6,800	112.5	275	4.5
Massachusetts	6,892,503	9,401	136.4	2	9,009	130.7	392	5.7
Michigan	9,986,857	10,196	102.1	15	8,300	83.1	1,896	19.0
Minnesota	5,639,632	6,039	107.1	11	5,700	101.1	339	6.0
Mississippi	2,976,149	2,007	67.4	49	1,793	60.2	214	7.2
Missouri	6,137,428	5,412	88.2	32	4,415	71.9	997	16.2
Montana	1,068,778	1,028	96.2	23	917	85.8	111	10.4
Nebraska	1,934,408	1,750	90.5	28	1,642	84.9	108	5.6
Nevada	3,080,156	2,263	73.5	48	1,956	63.5	307	10.0
New Hampshire	1,359,711	1,438	105.8	12	1,272	93.5	166	12.2
New Jersey	8,882,190	8,818	99.3	19	7,749	87.2	1,069	12.0
New Mexico	2,096,829	1,976	94.2	26	1,829	87.2	147	7.0
New York	19,453,561	22,542	115.9	8	21,005	108.0	1,536	7.9
North Carolina	10,488,084	9,211	87.8	33	8,556	81.6	655	6.2
North Dakota	762,062	676	88.7	30	644	84.5	32	4.2
Ohio	11,689,100	11,131	95.2	25	9,595	82.1	1,535	13.1
Oklahoma	3,956,971	2,935	74.2	47	2,243	56.7	692	17.5
Oregon	4,217,737	4,667	110.7	9	4,223	100.1	444	10.5
Pennsylvania	12,801,989	13,081	102.2	14	10,648	83.2	2,433	19.0
Puerto Rico	3,193,694	3,846	120.4	N.R.	3,844	120.4	2	0.1
Rhode Island	1,059,361	1,292	122.0	5	1,179	111.3	113	10.7
South Carolina	5,148,714	4,230	82.2	38	3,902	75.8	328	6.4
South Dakota	884,659	843	95.3	24	747	84.4	96	10.9
Tennessee	6,829,174	5,867	85.9	36	5,494	80.4	373	5.5
Texas	28,995,881	21,530	74.3	46	19,528	67.3	2,002	6.9
Utah	3,205,958	2,149	67.0	50	1,884	58.8	265	8.3
Vermont	623,989	874	140.1	1	833	133.5	41	6.6
Virginia	8,535,519	7,750	90.8	27	7,205	84.4	545	6.4
Washington	7,614,893	7,783	102.2	13	7,197	94.5	586	7.7
West Virginia	1,792,147	1,813	101.2	17	1,447	80.7	366	20.4
Wisconsin	5,822,434	5,611	96.4	22	5,127	88.1	484	8.3
Wyoming	578,759	474	81.9	39	414	71.5	60	10.4

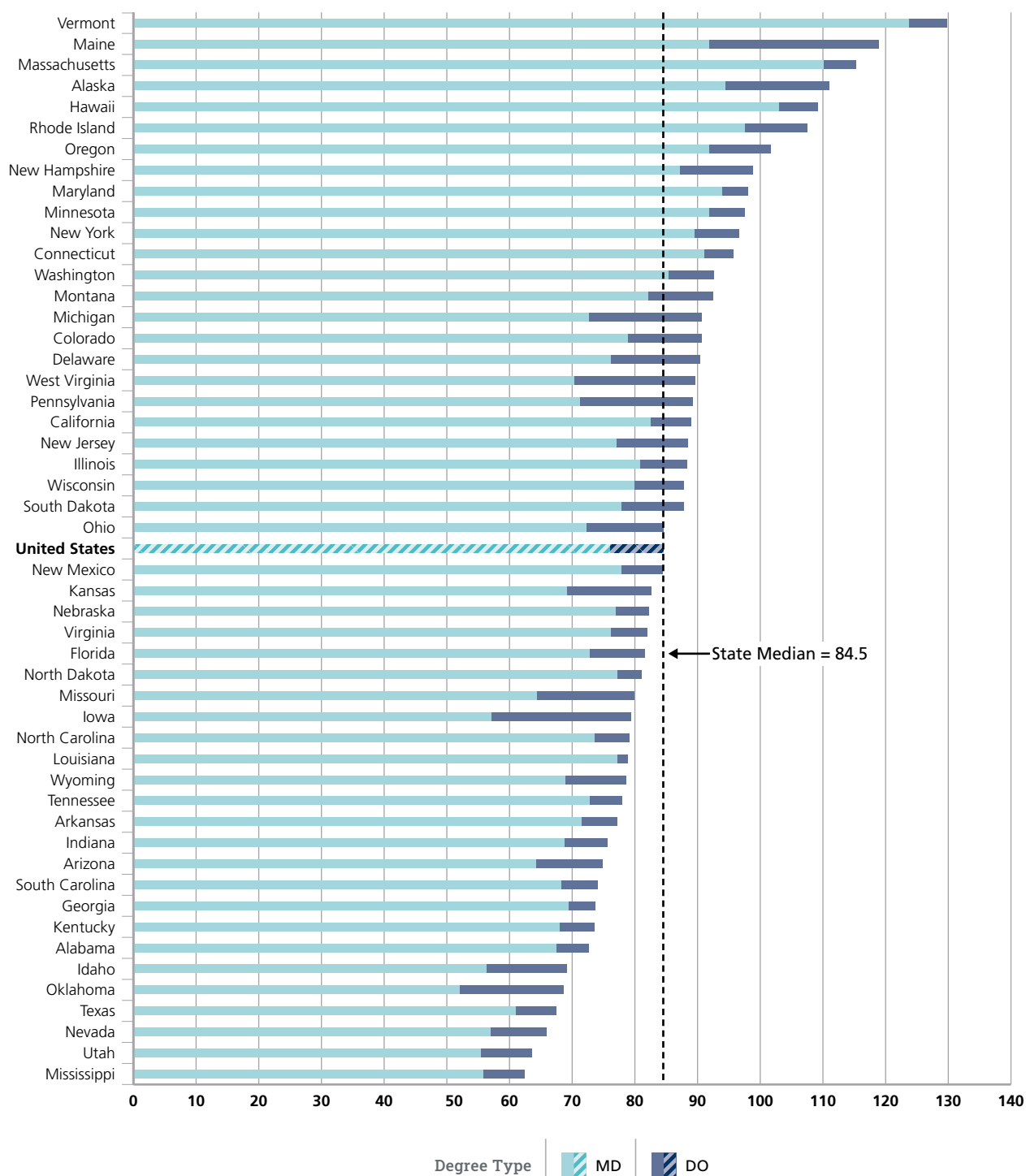
Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: N.R. = not ranked.

\*Physicians whose degree type was unavailable (n = 2) are included in the total.

## 4

## Active Patient Care Primary Care Physicians per 100,000 Population by Degree Type, 2020



Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).  
 Note: Physicians whose degree type was unavailable (n = 0) are excluded.

**Figure 1.4.** Active patient care primary care physicians per 100,000 population by degree type, 2020.

**Table 1.4. Active Patient Care Primary Care Physicians per 100,000 Population by Degree Type, 2020**

	Total Population	Total Active Patient Care Primary Care Physicians*			Active Patient Care Primary Care MDs		Active Patient Care Primary Care DOs	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	328,239,523	277,466	84.5	N.R.	249,245	75.9	28,221	8.6
Alabama	4,903,185	3,563	72.7	44	3,310	67.5	253	5.2
Alaska	731,545	812	111.0	4	691	94.5	121	16.5
Arizona	7,278,717	5,452	74.9	40	4,674	64.2	778	10.7
Arkansas	3,017,804	2,328	77.1	38	2,155	71.4	173	5.7
California	39,512,223	35,136	88.9	20	32,573	82.4	2,563	6.5
Colorado	5,758,736	5,217	90.6	16	4,542	78.9	675	11.7
Connecticut	3,565,287	3,414	95.8	12	3,245	91.0	169	4.7
Delaware	973,764	880	90.4	17	741	76.1	139	14.3
District of Columbia	705,749	1,304	184.8	N.R.	1,264	179.1	40	5.7
Florida	21,477,737	17,508	81.5	30	15,639	72.8	1,869	8.7
Georgia	10,617,423	7,818	73.6	42	7,368	69.4	450	4.2
Hawaii	1,415,872	1,546	109.2	5	1,458	103.0	88	6.2
Idaho	1,787,065	1,235	69.1	45	1,006	56.3	229	12.8
Illinois	12,671,821	11,182	88.2	22	10,245	80.8	937	7.4
Indiana	6,732,219	5,088	75.6	39	4,630	68.8	458	6.8
Iowa	3,155,070	2,503	79.3	33	1,801	57.1	702	22.2
Kansas	2,913,314	2,409	82.7	27	2,014	69.1	395	13.6
Kentucky	4,467,673	3,286	73.6	43	3,039	68.0	247	5.5
Louisiana	4,648,794	3,664	78.8	35	3,588	77.2	76	1.6
Maine	1,344,212	1,599	119.0	2	1,234	91.8	365	27.2
Maryland	6,045,680	5,927	98.0	9	5,674	93.9	253	4.2
Massachusetts	6,892,503	7,947	115.3	3	7,590	110.1	357	5.2
Michigan	9,986,857	9,049	90.6	15	7,253	72.6	1,796	18.0
Minnesota	5,639,632	5,502	97.6	10	5,181	91.9	321	5.7
Mississippi	2,976,149	1,859	62.5	50	1,659	55.7	200	6.7
Missouri	6,137,428	4,900	79.8	32	3,950	64.4	950	15.5
Montana	1,068,778	988	92.4	14	878	82.1	110	10.3
Nebraska	1,934,408	1,590	82.2	28	1,487	76.9	103	5.3
Nevada	3,080,156	2,031	65.9	48	1,756	57.0	275	8.9
New Hampshire	1,359,711	1,343	98.8	8	1,185	87.2	158	11.6
New Jersey	8,882,190	7,860	88.5	21	6,845	77.1	1,015	11.4
New Mexico	2,096,829	1,771	84.5	26	1,632	77.8	139	6.6
New York	19,453,561	18,799	96.6	11	17,399	89.4	1,400	7.2
North Carolina	10,488,084	8,305	79.2	34	7,708	73.5	597	5.7
North Dakota	762,062	618	81.1	31	588	77.2	30	3.9
Ohio	11,689,100	9,887	84.6	25	8,451	72.3	1,436	12.3
Oklahoma	3,956,971	2,717	68.7	46	2,059	52.0	658	16.6
Oregon	4,217,737	4,288	101.7	7	3,870	91.8	418	9.9
Pennsylvania	12,801,989	11,425	89.2	19	9,121	71.2	2,304	18.0
Puerto Rico	3,193,694	3,396	106.3	N.R.	3,394	106.3	2	0.1
Rhode Island	1,059,361	1,139	107.5	6	1,033	97.5	106	10.0
South Carolina	5,148,714	3,814	74.1	41	3,511	68.2	303	5.9
South Dakota	884,659	777	87.8	24	688	77.8	89	10.1
Tennessee	6,829,174	5,325	78.0	37	4,973	72.8	352	5.2
Texas	28,995,881	19,578	67.5	47	17,681	61.0	1,897	6.5
Utah	3,205,958	2,038	63.6	49	1,775	55.4	263	8.2
Vermont	623,989	810	129.8	1	772	123.7	38	6.1
Virginia	8,535,519	7,000	82.0	29	6,503	76.2	497	5.8
Washington	7,614,893	7,057	92.7	13	6,497	85.3	560	7.4
West Virginia	1,792,147	1,606	89.6	18	1,259	70.3	347	19.4
Wisconsin	5,822,434	5,117	87.9	23	4,651	79.9	466	8.0
Wyoming	578,759	455	78.6	36	399	68.9	56	9.7

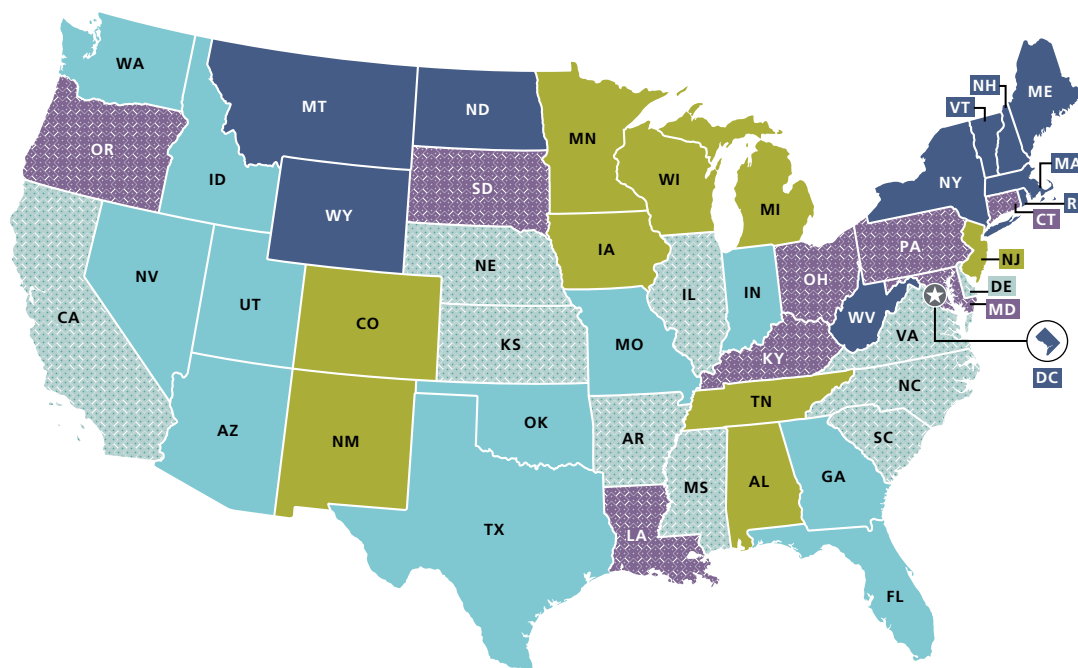
Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: N.R. = not ranked.

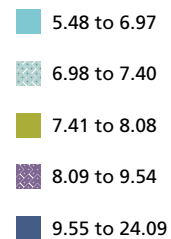
Note: Physicians whose degree type was unavailable (n = 0) are excluded.

## 5

## Active General Surgeons per 100,000 Population by Degree Type, 2020



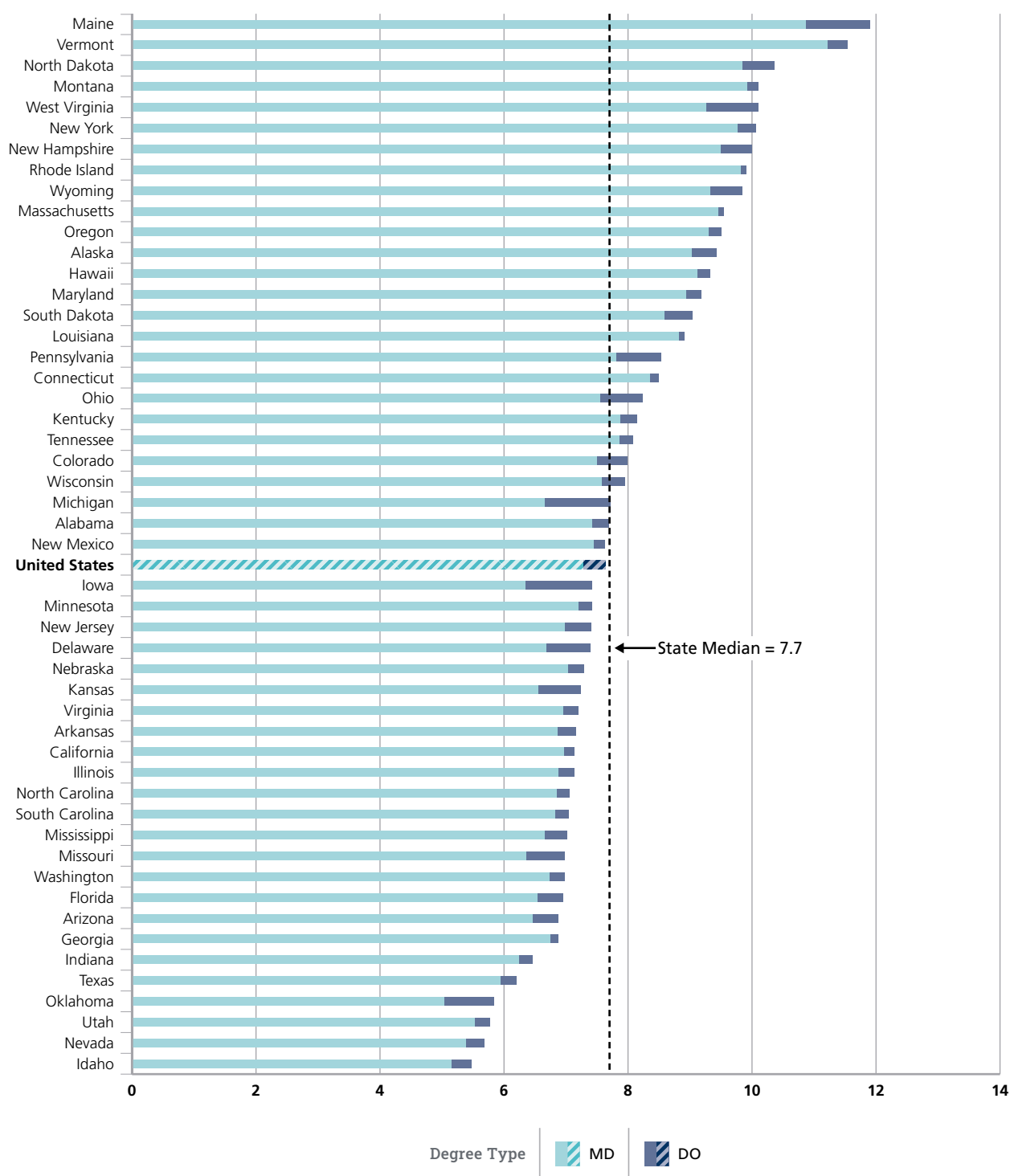
## Key



Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data include MDs and DOs and are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: Number ranges in the key are rounded; states that fall between ranges are shaded according to the closest range.

**Map 1.5.** Active general surgeons per 100,000 population, 2020.



Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).  
 Note: Physician whose degree type was unavailable (n = 1) is excluded.

**Figure 1.5.** Active general surgeons per 100,000 population by degree type, 2020.

**Table 1.5. Active General Surgeons per 100,000 Population by Degree Type, 2020**

	Total Population	Total Active General Surgeons*			Active General Surgeon MDs		Active General Surgeon DOs	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	328,239,523	25,044	7.6	N.R.	23,892	7.3	1,151	0.4
Alabama	4,903,185	377	7.7	25	364	7.4	13	0.3
Alaska	731,545	69	9.4	12	66	9.0	3	0.4
Arizona	7,278,717	502	6.9	43	470	6.5	31	0.4
Arkansas	3,017,804	216	7.2	34	207	6.9	9	0.3
California	39,512,223	2,820	7.1	35	2,753	7.0	67	0.2
Colorado	5,758,736	460	8.0	22	432	7.5	28	0.5
Connecticut	3,565,287	303	8.5	18	298	8.4	5	0.1
Delaware	973,764	72	7.4	30	65	6.7	7	0.7
District of Columbia	705,749	170	24.1	N.R.	168	23.8	2	0.3
Florida	21,477,737	1,494	7.0	42	1,405	6.5	89	0.4
Georgia	10,617,423	730	6.9	44	716	6.7	14	0.1
Hawaii	1,415,872	132	9.3	13	129	9.1	3	0.2
Idaho	1,787,065	98	5.5	50	92	5.1	6	0.3
Illinois	12,671,821	904	7.1	36	871	6.9	33	0.3
Indiana	6,732,219	435	6.5	45	420	6.2	15	0.2
Iowa	3,155,070	234	7.4	27	200	6.3	34	1.1
Kansas	2,913,314	211	7.2	32	191	6.6	20	0.7
Kentucky	4,467,673	364	8.1	20	352	7.9	12	0.3
Louisiana	4,648,794	414	8.9	16	410	8.8	4	0.1
Maine	1,344,212	160	11.9	1	146	10.9	14	1.0
Maryland	6,045,680	555	9.2	14	540	8.9	15	0.2
Massachusetts	6,892,503	658	9.5	10	652	9.5	6	0.1
Michigan	9,986,857	771	7.7	24	665	6.7	106	1.1
Minnesota	5,639,632	418	7.4	28	406	7.2	12	0.2
Mississippi	2,976,149	209	7.0	39	198	6.7	11	0.4
Missouri	6,137,428	428	7.0	40	390	6.4	38	0.6
Montana	1,068,778	108	10.1	4	106	9.9	2	0.2
Nebraska	1,934,408	141	7.3	31	136	7.0	5	0.3
Nevada	3,080,156	175	5.7	49	166	5.4	9	0.3
New Hampshire	1,359,711	136	10.0	7	129	9.5	7	0.5
New Jersey	8,882,190	658	7.4	29	620	7.0	38	0.4
New Mexico	2,096,829	160	7.6	26	156	7.4	4	0.2
New York	19,453,561	1,957	10.1	6	1,900	9.8	57	0.3
North Carolina	10,488,084	740	7.1	37	718	6.8	22	0.2
North Dakota	762,062	79	10.4	3	75	9.8	4	0.5
Ohio	11,689,100	962	8.2	19	883	7.6	79	0.7
Oklahoma	3,956,971	231	5.8	47	199	5.0	32	0.8
Oregon	4,217,737	401	9.5	11	392	9.3	9	0.2
Pennsylvania	12,801,989	1,093	8.5	17	999	7.8	94	0.7
Puerto Rico	3,193,694	250	7.8	N.R.	250	7.8	---	---
Rhode Island	1,059,361	105	9.9	8	104	9.8	1	0.1
South Carolina	5,148,714	363	7.1	38	351	6.8	12	0.2
South Dakota	884,659	80	9.0	15	76	8.6	4	0.5
Tennessee	6,829,174	552	8.1	21	537	7.9	15	0.2
Texas	28,995,881	1,796	6.2	46	1,724	5.9	72	0.2
Utah	3,205,958	185	5.8	48	177	5.5	8	0.2
Vermont	623,989	72	11.5	2	70	11.2	2	0.3
Virginia	8,535,519	614	7.2	33	594	7.0	20	0.2
Washington	7,614,893	531	7.0	41	513	6.7	18	0.2
West Virginia	1,792,147	181	10.1	5	166	9.3	15	0.8
Wisconsin	5,822,434	463	8.0	23	441	7.6	22	0.4
Wyoming	578,759	57	9.8	9	54	9.3	3	0.5

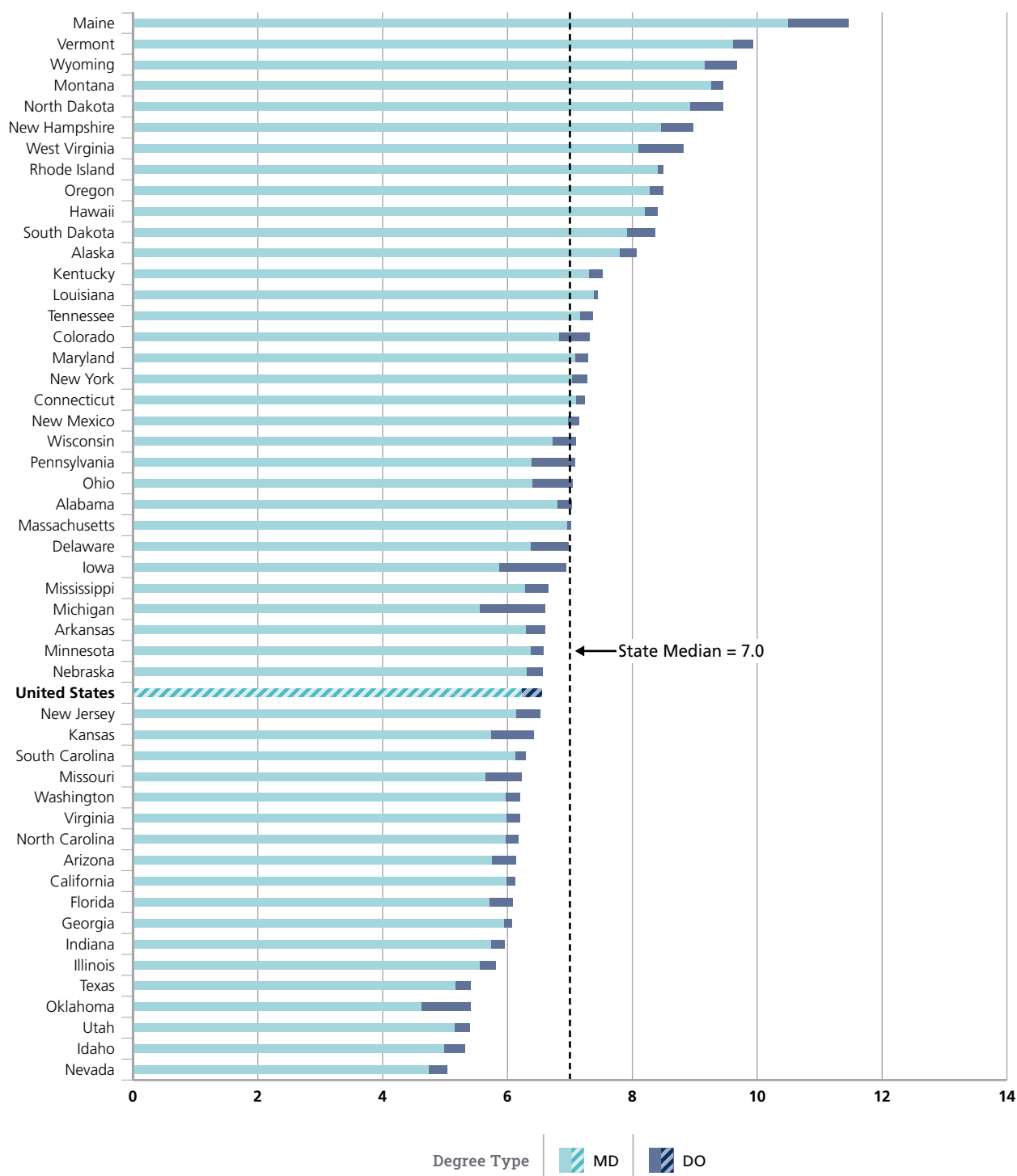
Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: N.R. = not ranked. --- Indicates that category is not applicable because some states do not have an MD-granting or a DO-granting school.

\*Physician whose degree type was unavailable (n = 1) is included in the total.

## 6

## Active Patient Care General Surgeons per 100,000 Population by Degree Type, 2020



Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).  
 Note: Physicians whose degree type was unavailable (n = 0) are excluded.

**Figure 1.6.** Active patient care general surgeons per 100,000 population by degree type, 2020.



**Table 1.6. Active Patient Care General Surgeons per 100,000 Population by Degree Type, 2020**

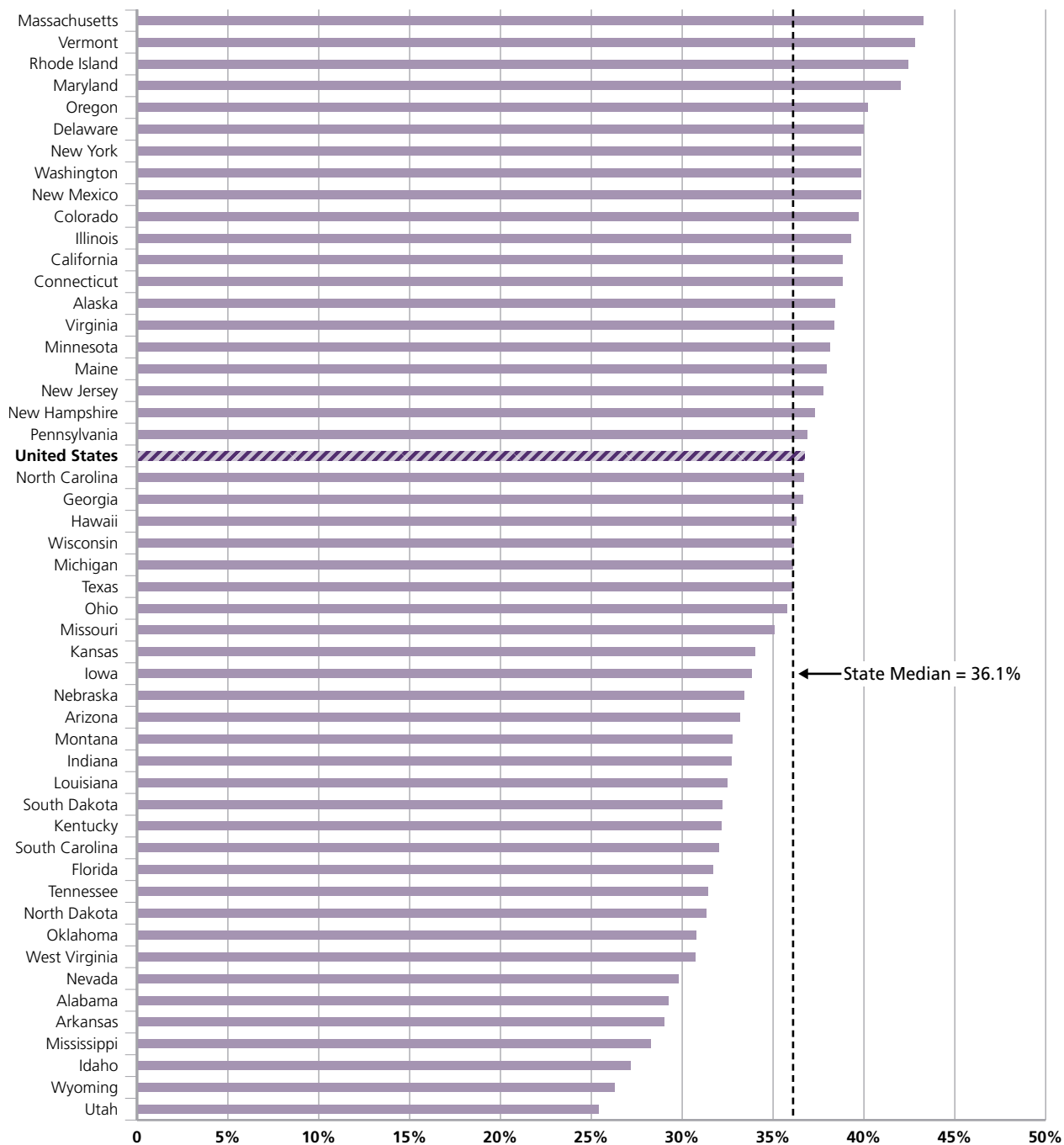
	Total Population	Total Active Patient Care General Surgeons			Active Patient Care General Surgeon MDs		Active Patient Care General Surgeon DOs	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	328,239,523	21,505	6.6	N.R.	20,417	6.2	1,088	0.3
Alabama	4,903,185	345	7.0	24	333	6.8	12	0.2
Alaska	731,545	59	8.1	12	57	7.8	2	0.3
Arizona	7,278,717	447	6.1	40	418	5.7	29	0.4
Arkansas	3,017,804	199	6.6	30	190	6.3	9	0.3
California	39,512,223	2,422	6.1	41	2,361	6.0	61	0.2
Colorado	5,758,736	421	7.3	16	393	6.8	28	0.5
Connecticut	3,565,287	258	7.2	19	253	7.1	5	0.1
Delaware	973,764	68	7.0	26	62	6.4	6	0.6
District of Columbia	705,749	113	16.0	N.R.	112	15.9	1	0.1
Florida	21,477,737	1,307	6.1	42	1,226	5.7	81	0.4
Georgia	10,617,423	645	6.1	43	631	5.9	14	0.1
Hawaii	1,415,872	119	8.4	10	116	8.2	3	0.2
Idaho	1,787,065	95	5.3	49	89	5.0	6	0.3
Illinois	12,671,821	736	5.8	45	704	5.6	32	0.3
Indiana	6,732,219	401	6.0	44	386	5.7	15	0.2
Iowa	3,155,070	219	6.9	27	185	5.9	34	1.1
Kansas	2,913,314	187	6.4	34	167	5.7	20	0.7
Kentucky	4,467,673	336	7.5	13	326	7.3	10	0.2
Louisiana	4,648,794	346	7.4	14	343	7.4	3	0.1
Maine	1,344,212	154	11.5	1	141	10.5	13	1.0
Maryland	6,045,680	441	7.3	17	428	7.1	13	0.2
Massachusetts	6,892,503	484	7.0	25	479	6.9	5	0.1
Michigan	9,986,857	659	6.6	29	554	5.5	105	1.1
Minnesota	5,639,632	371	6.6	31	359	6.4	12	0.2
Mississippi	2,976,149	198	6.7	28	187	6.3	11	0.4
Missouri	6,137,428	382	6.2	36	346	5.6	36	0.6
Montana	1,068,778	101	9.5	4	99	9.3	2	0.2
Nebraska	1,934,408	127	6.6	32	122	6.3	5	0.3
Nevada	3,080,156	155	5.0	50	146	4.7	9	0.3
New Hampshire	1,359,711	122	9.0	6	115	8.5	7	0.5
New Jersey	8,882,190	580	6.5	33	545	6.1	35	0.4
New Mexico	2,096,829	150	7.2	20	146	7.0	4	0.2
New York	19,453,561	1,415	7.3	18	1,368	7.0	47	0.2
North Carolina	10,488,084	647	6.2	39	626	6.0	21	0.2
North Dakota	762,062	72	9.4	5	68	8.9	4	0.5
Ohio	11,689,100	823	7.0	23	747	6.4	76	0.7
Oklahoma	3,956,971	214	5.4	47	183	4.6	31	0.8
Oregon	4,217,737	358	8.5	9	349	8.3	9	0.2
Pennsylvania	12,801,989	906	7.1	22	817	6.4	89	0.7
Puerto Rico	3,193,694	215	6.7	N.R.	215	6.7	0	0.0
Rhode Island	1,059,361	90	8.5	8	89	8.4	1	0.1
South Carolina	5,148,714	324	6.3	35	315	6.1	9	0.2
South Dakota	884,659	74	8.4	11	70	7.9	4	0.5
Tennessee	6,829,174	503	7.4	15	489	7.2	14	0.2
Texas	28,995,881	1,569	5.4	46	1,499	5.2	70	0.2
Utah	3,205,958	173	5.4	48	165	5.1	8	0.2
Vermont	623,989	62	9.9	2	60	9.6	2	0.3
Virginia	8,535,519	529	6.2	38	510	6.0	19	0.2
Washington	7,614,893	472	6.2	37	454	6.0	18	0.2
West Virginia	1,792,147	158	8.8	7	145	8.1	13	0.7
Wisconsin	5,822,434	413	7.1	21	391	6.7	22	0.4
Wyoming	578,759	56	9.7	3	53	9.2	3	0.5

Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019). Physician data are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: N.R. = not ranked.

## 7

## Active Female Physicians, 2020



Source: Physician data are from the 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: Physicians whose sex was unavailable (n = 2,717) are excluded.

**Figure 1.7. Percentage of active physicians who are female, 2020.**

**Table 1.7. Active Female Physicians, 2020**

	Total Active Physicians*	Active Female Physicians		
		Number	Percentage	Rank
United States	937,565	344,329	36.7%	N.R.
Alabama	10,978	3,212	29.3%	45
Alaska	2,099	806	38.4%	14
Arizona	18,107	6,003	33.2%	32
Arkansas	6,497	1,885	29.0%	46
California	113,430	44,030	38.8%	12
Colorado	16,934	6,723	39.7%	10
Connecticut	12,967	5,033	38.8%	13
Delaware	2,848	1,138	40.0%	6
District of Columbia	6,144	2,967	48.3%	N.R.
Florida	58,734	18,604	31.7%	39
Georgia	25,053	9,177	36.6%	22
Hawaii	4,551	1,651	36.3%	23
Idaho	3,496	949	27.1%	48
Illinois	37,067	14,567	39.3%	11
Indiana	15,903	5,205	32.7%	34
Iowa	7,042	2,383	33.8%	30
Kansas	6,870	2,335	34.0%	29
Kentucky	10,522	3,385	32.2%	37
Louisiana	12,550	4,076	32.5%	35
Maine	4,455	1,691	38.0%	17
Maryland	23,760	9,984	42.0%	4
Massachusetts	32,083	13,885	43.3%	1
Michigan	29,995	10,820	36.1%	25
Minnesota	17,599	6,711	38.1%	16
Mississippi	5,851	1,653	28.3%	47
Missouri	17,255	6,051	35.1%	28
Montana	2,746	899	32.7%	33
Nebraska	4,817	1,609	33.4%	31
Nevada	6,561	1,956	29.8%	44
New Hampshire	4,390	1,637	37.3%	19
New Jersey	27,767	10,487	37.8%	18
New Mexico	5,264	2,096	39.8%	9
New York	75,638	30,131	39.8%	7
North Carolina	27,631	10,138	36.7%	21
North Dakota	1,824	571	31.3%	41
Ohio	35,295	12,630	35.8%	27
Oklahoma	8,278	2,548	30.8%	42
Oregon	13,105	5,269	40.2%	5
Pennsylvania	42,001	15,484	36.9%	20
Puerto Rico	9,785	3,717	38.0%	N.R.
Rhode Island	4,061	1,723	42.4%	3
South Carolina	12,185	3,901	32.0%	38
South Dakota	2,213	713	32.2%	36
Tennessee	17,681	5,552	31.4%	40
Texas	67,085	24,199	36.1%	26
Utah	7,176	1,821	25.4%	50
Vermont	2,410	1,031	42.8%	2
Virginia	22,850	8,768	38.4%	15
Washington	21,698	8,643	39.8%	8
West Virginia	4,907	1,507	30.7%	43
Wisconsin	15,967	5,770	36.1%	24
Wyoming	1,225	322	26.3%	49

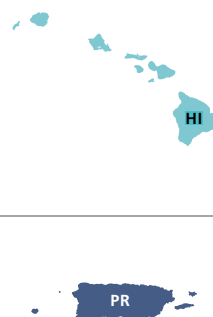
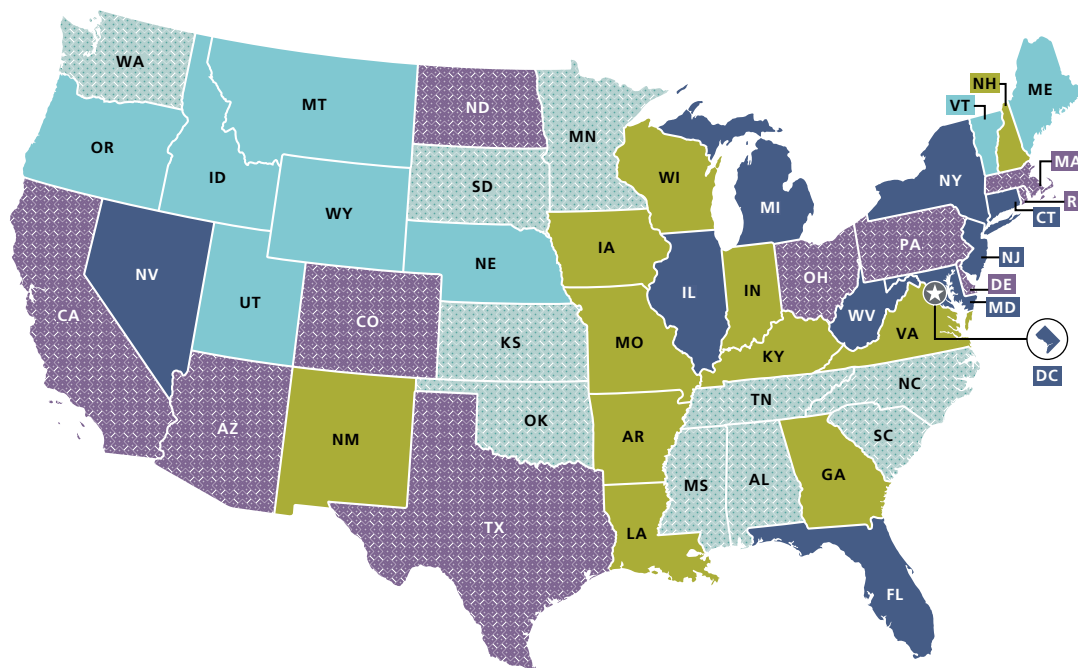
Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: N.R. = not ranked.

\*Physicians whose sex was missing (n = 2,717) are excluded.

## 8

## Active Physicians by School Type, 2020



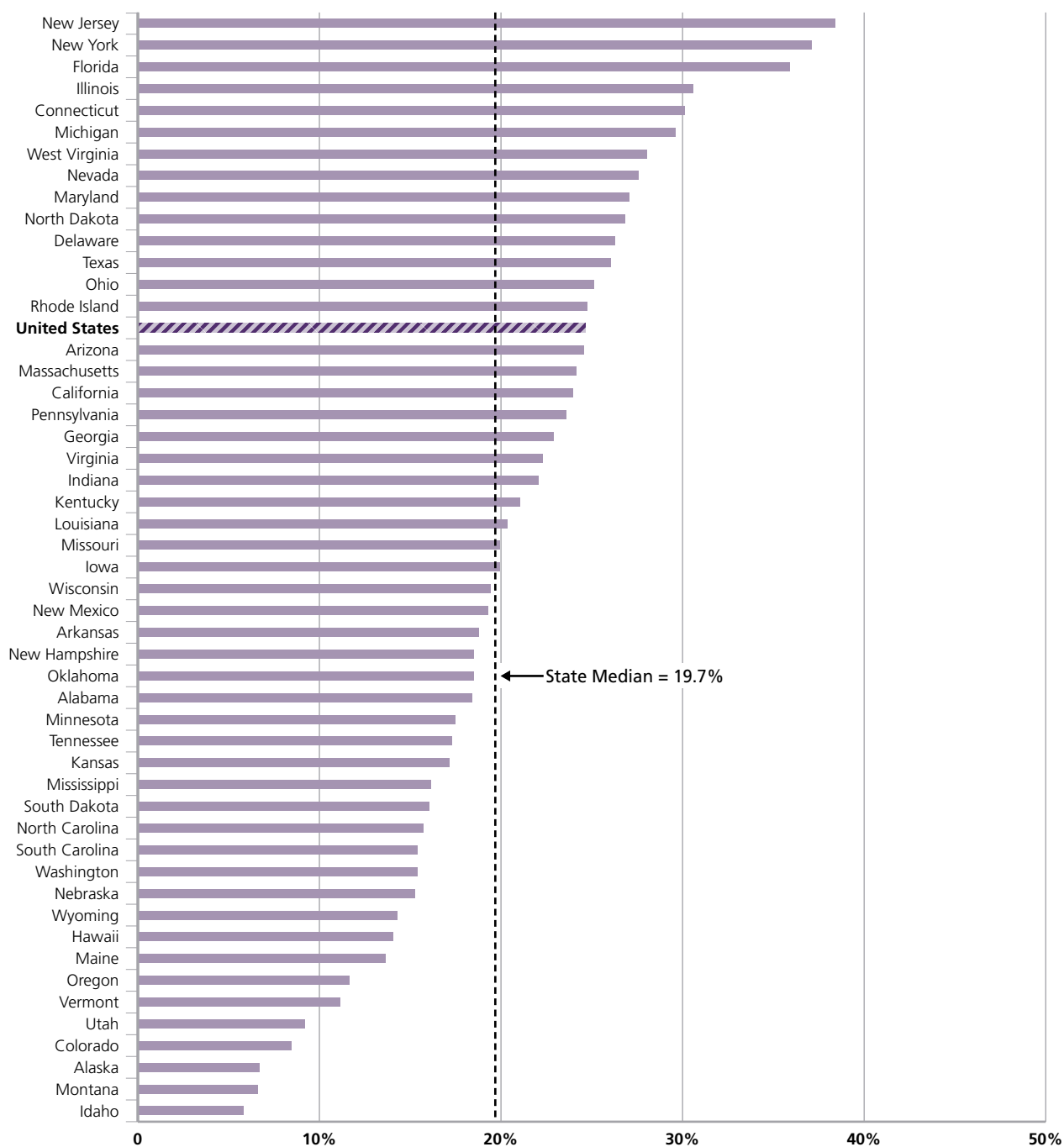
## Key

- 5.8% to 15.2%
- 15.3% to 18.4%
- 18.5% to 22.9%
- 23.0% to 26.8%
- 26.9% to 48.9%

Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: Number ranges in the key are rounded; states that fall between ranges are shaded according to the closest range.

**Map 1.8.** Percentage of active physicians who are international medical graduates (IMGs), 2020.



Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: The total excludes active physicians whose school type was unavailable (n = 61) and physicians who are graduates of Canadian medical schools (n = 8,859).

**Figure 1.8.** Percentage of active physicians who are international medical graduates (IMGs), 2020.

**Table 1.8. Active Physicians by School Type, 2020**

	Total Active Physicians*	U.S. MD		U.S. DO		IMG		
		Number	Percentage	Number	Percentage	Number	Percentage	Rank
United States	940,193	621,258	66.1%	78,281	8.3%	231,795	24.7%	N.R.
Alabama	10,983	8,289	75.5%	594	5.4%	2,022	18.4%	31
Alaska	2,101	1,672	79.6%	276	13.1%	141	6.7%	48
Arizona	18,342	11,200	61.1%	2,353	12.8%	4,507	24.6%	15
Arkansas	6,500	4,884	75.1%	368	5.7%	1,221	18.8%	28
California	113,716	78,813	69.3%	6,333	5.6%	27,225	23.9%	17
Colorado	16,955	13,688	80.7%	1,685	9.9%	1,434	8.5%	47
Connecticut	12,976	8,440	65.0%	523	4.0%	3,904	30.1%	5
Delaware	2,850	1,719	60.3%	366	12.8%	749	26.3%	11
District of Columbia	6,146	4,493	73.1%	154	2.5%	1,461	23.8%	N.R.
Florida	58,814	31,757	54.0%	5,486	9.3%	21,122	35.9%	3
Georgia	25,069	17,937	71.6%	1,237	4.9%	5,741	22.9%	19
Hawaii	4,557	3,588	78.7%	264	5.8%	641	14.1%	42
Idaho	3,504	2,736	78.1%	531	15.2%	204	5.8%	50
Illinois	37,115	22,867	61.6%	2,630	7.1%	11,354	30.6%	4
Indiana	15,917	11,029	69.3%	1,255	7.9%	3,509	22.0%	21
Iowa	7,056	4,192	59.4%	1,387	19.7%	1,406	19.9%	25
Kansas	6,874	4,841	70.4%	820	11.9%	1,180	17.2%	34
Kentucky	10,528	7,452	70.8%	770	7.3%	2,215	21.0%	22
Louisiana	12,557	9,650	76.8%	296	2.4%	2,553	20.3%	23
Maine	4,459	2,993	67.1%	768	17.2%	608	13.6%	43
Maryland	23,791	16,283	68.4%	876	3.7%	6,435	27.0%	9
Massachusetts	32,113	22,605	70.4%	990	3.1%	7,744	24.1%	16
Michigan	30,033	15,417	51.3%	5,499	18.3%	8,892	29.6%	6
Minnesota	17,617	13,264	75.3%	915	5.2%	3,079	17.5%	32
Mississippi	5,857	4,402	75.2%	487	8.3%	945	16.1%	35
Missouri	18,296	11,166	61.0%	3,408	18.6%	3,647	19.9%	24
Montana	2,750	2,276	82.8%	276	10.0%	182	6.6%	49
Nebraska	4,820	3,766	78.1%	283	5.9%	735	15.2%	40
Nevada	6,731	3,739	55.5%	1,083	16.1%	1,854	27.5%	8
New Hampshire	4,391	3,085	70.3%	395	9.0%	812	18.5%	29
New Jersey	27,830	13,815	49.6%	3,208	11.5%	10,686	38.4%	1
New Mexico	5,269	3,877	73.6%	340	6.5%	1,015	19.3%	27
New York	75,742	42,661	56.3%	4,300	5.7%	28,083	37.1%	2
North Carolina	27,650	21,469	77.6%	1,626	5.9%	4,343	15.7%	37
North Dakota	1,826	1,193	65.3%	104	5.7%	490	26.8%	10
Ohio	35,330	21,538	61.0%	4,583	13.0%	8,872	25.1%	13
Oklahoma	8,289	4,908	59.2%	1,815	21.9%	1,531	18.5%	30
Oregon	13,126	10,388	79.1%	1,042	7.9%	1,525	11.6%	44
Pennsylvania	42,050	25,929	61.7%	5,916	14.1%	9,913	23.6%	18
Puerto Rico	9,813	5,012	51.1%	2	0.0%	4,799	48.9%	N.R.
Rhode Island	4,062	2,757	67.9%	257	6.3%	1,005	24.7%	14
South Carolina	12,197	9,434	77.3%	833	6.8%	1,876	15.4%	38
South Dakota	2,214	1,649	74.5%	197	8.9%	355	16.0%	36
Tennessee	17,687	13,544	76.6%	965	5.5%	3,057	17.3%	33
Texas	67,179	44,223	65.8%	4,960	7.4%	17,504	26.1%	12
Utah	7,198	5,791	80.5%	683	9.5%	660	9.2%	46
Vermont	2,410	1,966	81.6%	98	4.1%	268	11.1%	45
Virginia	22,872	16,147	70.6%	1,494	6.5%	5,094	22.3%	20
Washington	21,731	16,512	76.0%	1,449	6.7%	3,342	15.4%	39
West Virginia	4,913	2,708	55.1%	801	16.3%	1,376	28.0%	7
Wisconsin	15,975	11,603	72.6%	1,158	7.2%	3,103	19.4%	26
Wyoming	1,225	903	73.7%	144	11.8%	175	14.3%	41

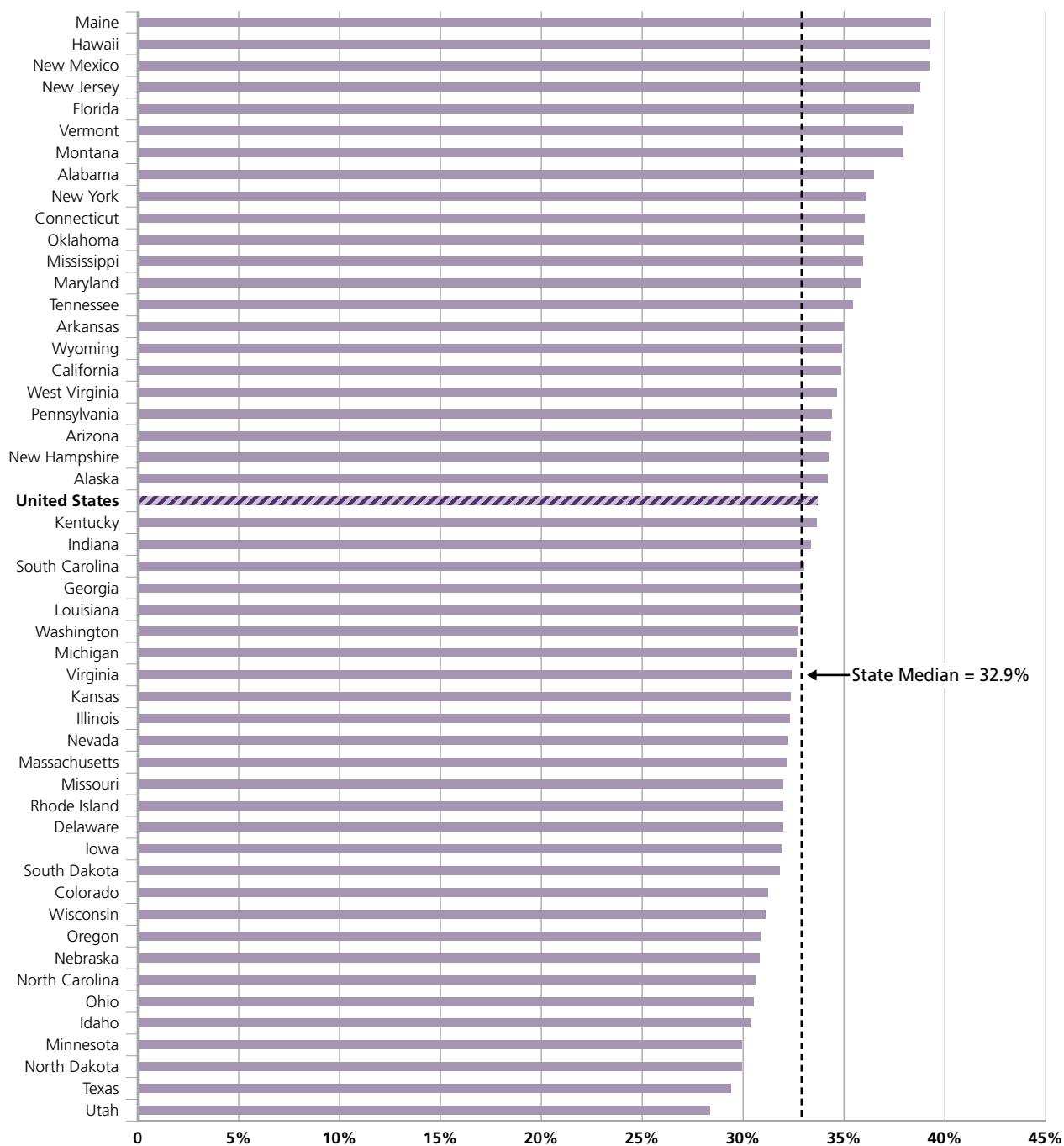
Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: N.R. = not ranked.

\*The total excludes active physicians whose school type was unavailable (n = 61). Physicians who are graduates of Canadian medical schools are included in the total (n = 8,859).

## 9

## Active Physicians by Selected Age Groups, 2020



Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: Physicians whose age was missing (n = 3,771) are excluded.

**Figure 1.9.** Percentage of active physicians who are age 60 or older, 2020.

**Table 1.9. Active Physicians by Selected Age Groups, 2020**

	Total Active Physicians*	Age 39 or Younger		Age 60 or Older		
		Number	Percentage	Number	Percentage	Rank
United States	936,511	152,939	16.3%	315,452	33.7%	N.R.
Alabama	10,969	1,883	17.2%	4,000	36.5%	8
Alaska	2,086	325	15.6%	713	34.2%	22
Arizona	18,027	2,445	13.6%	6,189	34.3%	20
Arkansas	6,497	1,052	16.2%	2,271	35.0%	15
California	113,547	16,643	14.7%	39,568	34.8%	17
Colorado	16,905	2,603	15.4%	5,277	31.2%	40
Connecticut	12,959	2,015	15.5%	4,667	36.0%	10
Delaware	2,845	496	17.4%	909	32.0%	37
District of Columbia	6,143	1,414	23.0%	1,855	30.2%	N.R.
Florida	58,541	7,668	13.1%	22,506	38.4%	5
Georgia	25,033	3,829	15.3%	8,229	32.9%	26
Hawaii	4,553	579	12.7%	1,788	39.3%	2
Idaho	3,495	448	12.8%	1,061	30.4%	46
Illinois	37,074	6,690	18.0%	11,974	32.3%	32
Indiana	15,902	2,547	16.0%	5,303	33.3%	24
Iowa	7,028	1,252	17.8%	2,243	31.9%	38
Kansas	6,856	1,302	19.0%	2,217	32.3%	31
Kentucky	10,493	1,743	16.6%	3,529	33.6%	23
Louisiana	12,547	2,423	19.3%	4,119	32.8%	27
Maine	4,443	525	11.8%	1,746	39.3%	1
Maryland	23,754	3,490	14.7%	8,507	35.8%	13
Massachusetts	32,102	5,513	17.2%	10,316	32.1%	34
Michigan	29,806	6,231	20.9%	9,734	32.7%	29
Minnesota	17,605	3,113	17.7%	5,269	29.9%	47
Mississippi	5,834	935	16.0%	2,096	35.9%	12
Missouri	17,189	3,270	19.0%	5,493	32.0%	35
Montana	2,742	325	11.9%	1,040	37.9%	7
Nebraska	4,810	960	20.0%	1,481	30.8%	43
Nevada	6,691	1,011	15.1%	2,157	32.2%	33
New Hampshire	4,383	536	12.2%	1,500	34.2%	21
New Jersey	27,775	3,715	13.4%	10,763	38.8%	4
New Mexico	5,261	753	14.3%	2,063	39.2%	3
New York	75,638	13,426	17.8%	27,311	36.1%	9
North Carolina	27,629	4,466	16.2%	8,450	30.6%	44
North Dakota	1,821	364	20.0%	545	29.9%	48
Ohio	35,143	6,845	19.5%	10,716	30.5%	45
Oklahoma	8,227	1,347	16.4%	2,958	36.0%	11
Oregon	13,069	1,815	13.9%	4,032	30.9%	42
Pennsylvania	41,873	7,532	18.0%	14,403	34.4%	19
Puerto Rico	9,785	900	9.2%	4,625	47.3%	N.R.
Rhode Island	4,059	831	20.5%	1,297	32.0%	36
South Carolina	12,178	2,080	17.1%	4,018	33.0%	25
South Dakota	2,209	381	17.2%	703	31.8%	39
Tennessee	17,648	2,756	15.6%	6,252	35.4%	14
Texas	67,029	11,686	17.4%	19,700	29.4%	49
Utah	7,175	1,051	14.6%	2,033	28.3%	50
Vermont	2,409	366	15.2%	914	37.9%	6
Virginia	22,798	3,261	14.3%	7,384	32.4%	30
Washington	21,697	3,272	15.1%	7,090	32.7%	28
West Virginia	4,837	858	17.7%	1,676	34.6%	18
Wisconsin	15,956	2,718	17.0%	4,961	31.1%	41
Wyoming	1,221	150	12.3%	426	34.9%	16

Source: AMA Physician Masterfile (Dec. 31, 2020).

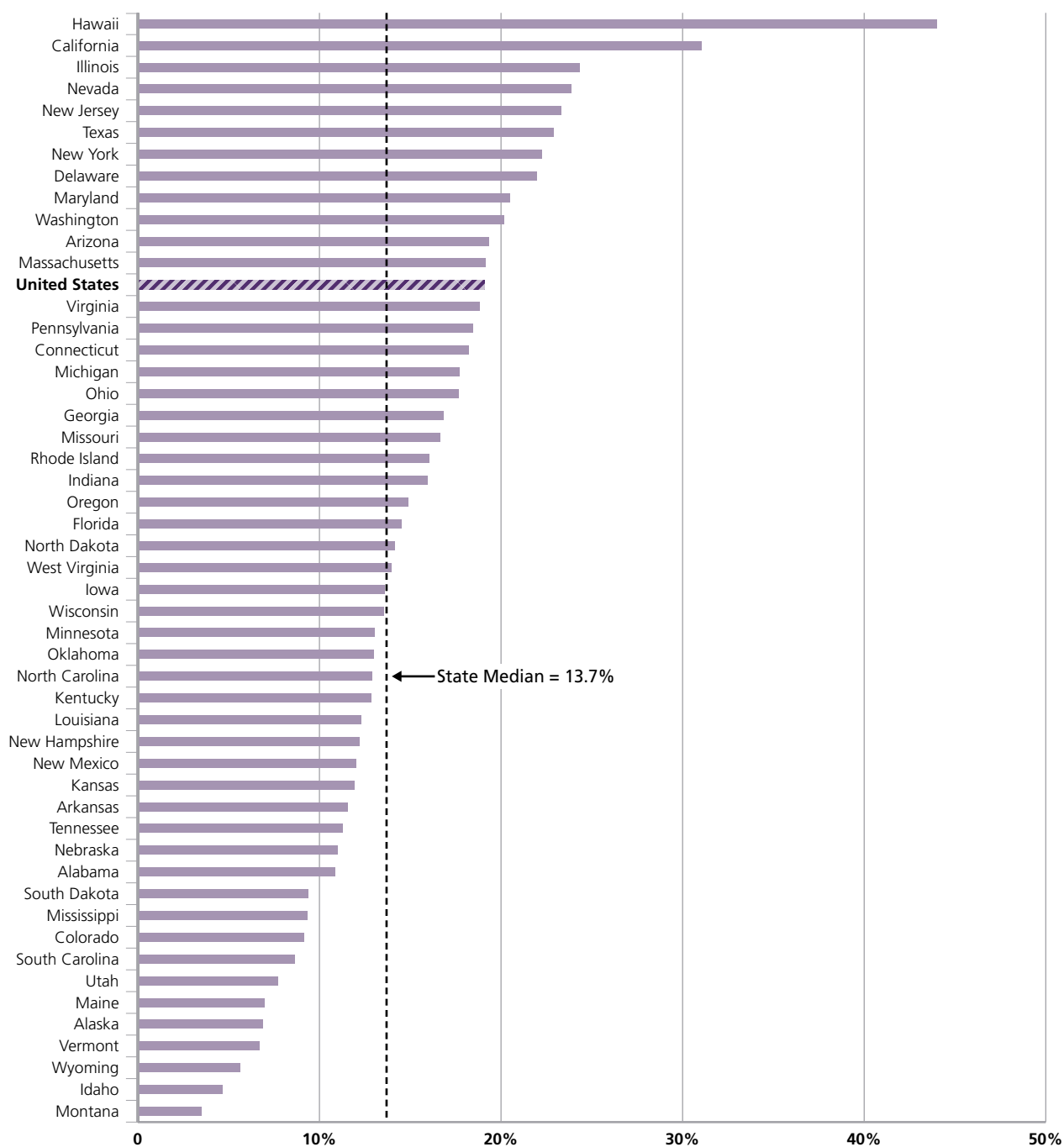
Note: N.R. = not ranked.

\*Physicians whose age was missing (n = 3,771) are excluded.



## 10

## Active Physicians by Race/Ethnicity, 2020



Source: Data are compiled from various AAMC sources (July 2021).

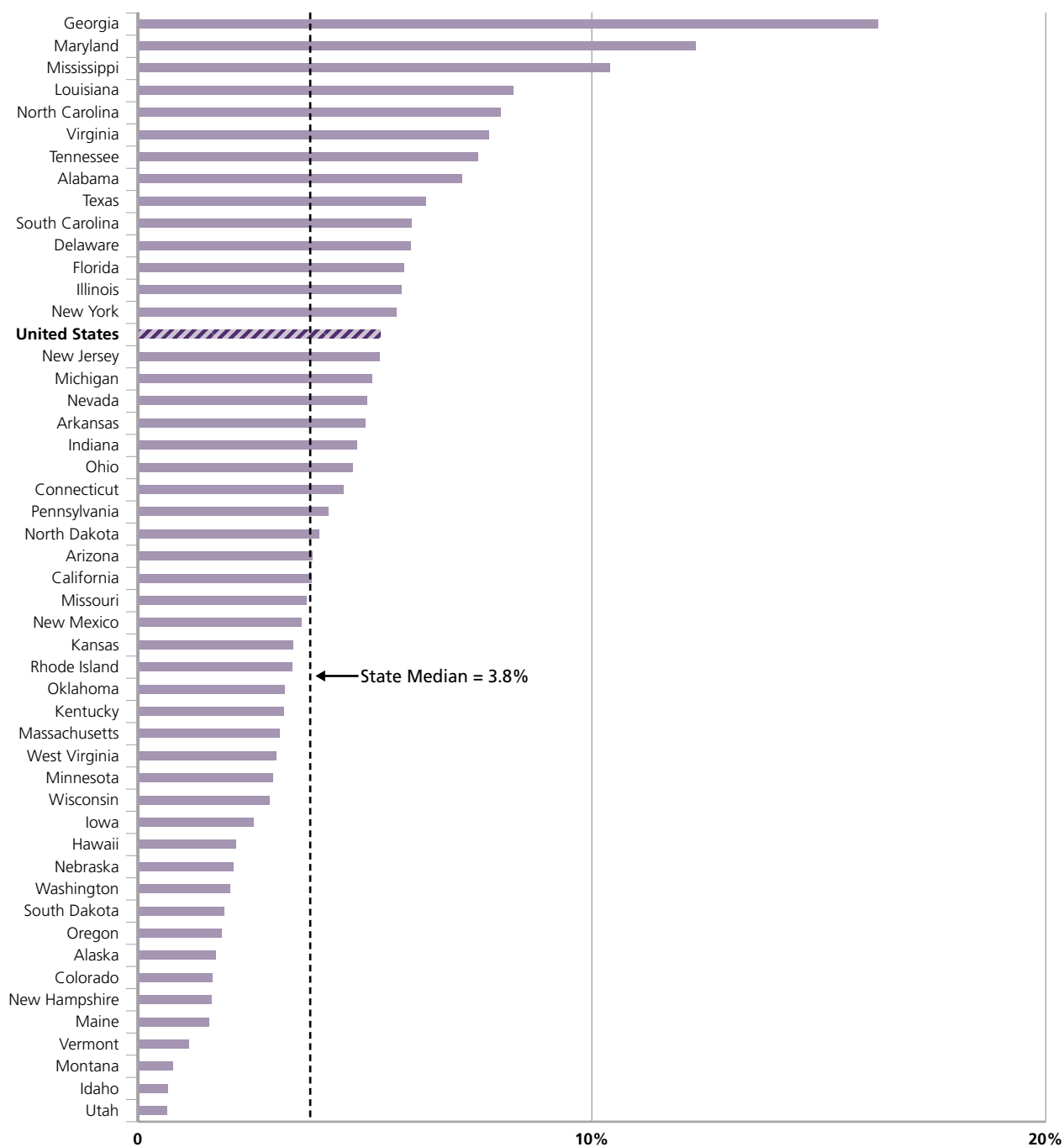
**Figure 1.10a.** Percentage of active physicians who identify as Asian (alone or in combination), 2020.

**Table 1.10a. Active Physicians Who Identify as Asian  
(Alone or in Combination), 2020**

	Total Active Physicians	Active Asian Physicians		
		Number	Percentage	Rank
United States	940,254	179,612	19.1%	N.R.
Alabama	10,983	1,191	10.8%	39
Alaska	2,101	144	6.9%	46
Arizona	18,343	3,545	19.3%	11
Arkansas	6,500	752	11.6%	36
California	113,718	35,278	31.0%	2
Colorado	16,956	1,551	9.1%	42
Connecticut	12,977	2,362	18.2%	15
Delaware	2,850	626	22.0%	8
District of Columbia	6,147	1,284	20.9%	N.R.
Florida	58,822	8,524	14.5%	23
Georgia	25,072	4,219	16.8%	18
Hawaii	4,557	2,005	44.0%	1
Idaho	3,504	163	4.7%	49
Illinois	37,122	9,022	24.3%	3
Indiana	15,918	2,539	16.0%	21
Iowa	7,056	959	13.6%	26
Kansas	6,874	818	11.9%	35
Kentucky	10,528	1,352	12.8%	31
Louisiana	12,557	1,545	12.3%	32
Maine	4,459	311	7.0%	45
Maryland	23,791	4,874	20.5%	9
Massachusetts	32,116	6,151	19.2%	12
Michigan	30,040	5,312	17.7%	16
Minnesota	17,617	2,298	13.0%	28
Mississippi	5,857	547	9.3%	41
Missouri	18,297	3,047	16.7%	19
Montana	2,750	96	3.5%	50
Nebraska	4,820	529	11.0%	38
Nevada	6,731	1,607	23.9%	4
New Hampshire	4,391	536	12.2%	33
New Jersey	27,832	6,491	23.3%	5
New Mexico	5,269	634	12.0%	34
New York	75,749	16,859	22.3%	7
North Carolina	27,650	3,564	12.9%	30
North Dakota	1,826	258	14.1%	24
Ohio	35,333	6,237	17.7%	17
Oklahoma	8,293	1,078	13.0%	29
Oregon	13,127	1,951	14.9%	22
Pennsylvania	42,051	7,757	18.4%	14
Puerto Rico	9,813	90	0.9%	N.R.
Rhode Island	4,063	652	16.0%	20
South Carolina	12,197	1,052	8.6%	43
South Dakota	2,214	208	9.4%	40
Tennessee	17,687	1,996	11.3%	37
Texas	67,182	15,366	22.9%	6
Utah	7,198	556	7.7%	44
Vermont	2,410	161	6.7%	47
Virginia	22,874	4,299	18.8%	13
Washington	21,731	4,385	20.2%	10
West Virginia	4,914	686	14.0%	25
Wisconsin	15,975	2,166	13.6%	27
Wyoming	1,225	69	5.6%	48

Source: Data are compiled from various AAMC sources (July 2021).

Note: N.R. = not ranked.



Source: Data are compiled from various AAMC sources (July 2021).

Note: States with data representing fewer than 10 physicians are not shown: Wyoming.

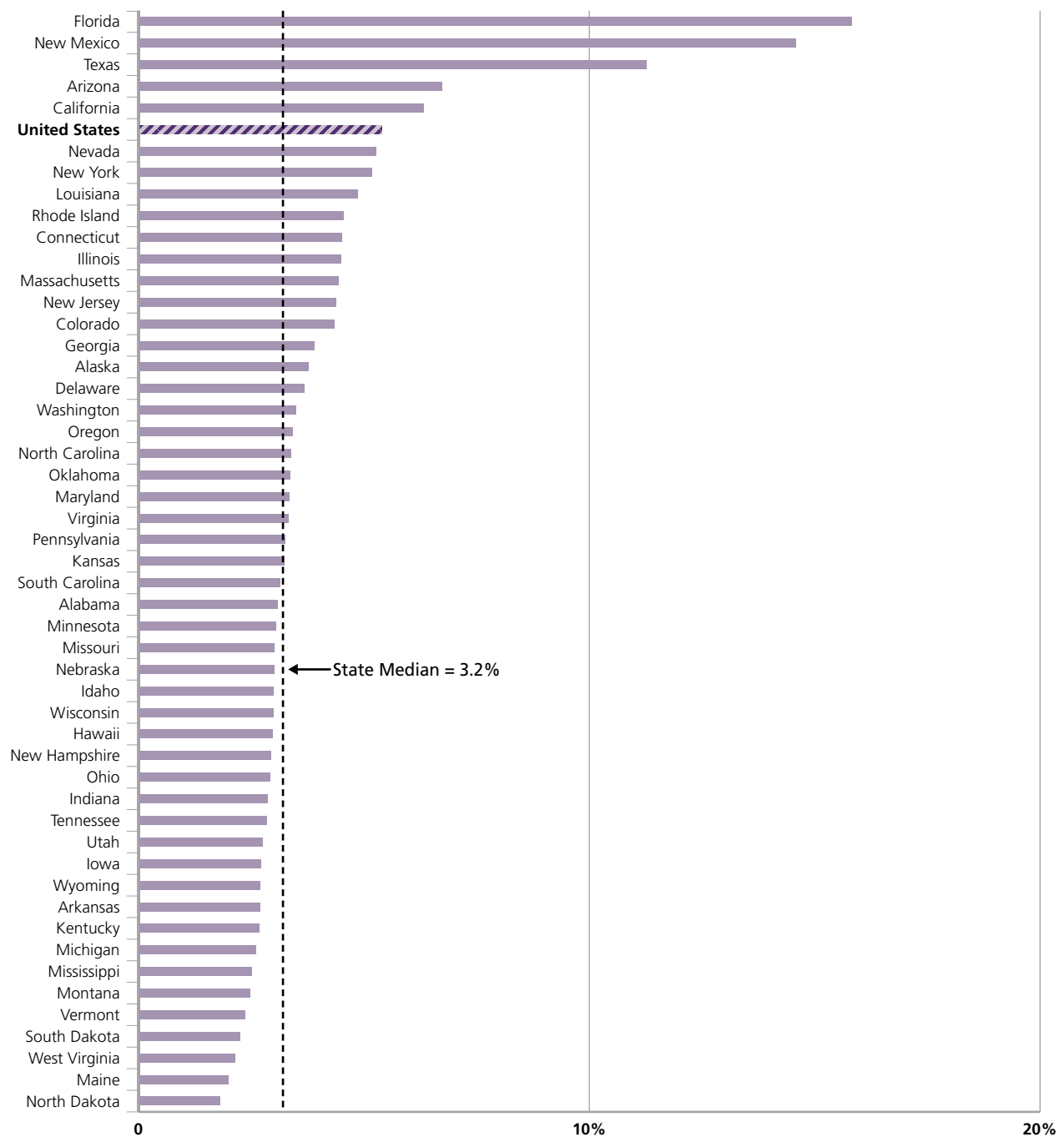
**Figure 1.10b.** Percentage of active physicians who identify as Black or African American (alone or in combination), 2020.

**Table 1.10b. Active Physicians Who Identify as Black or African American (Alone or in Combination), 2020**

	Total Active Physicians	Active Black or African American Physicians		
		Number	Percentage	Rank
United States	940,254	50,126	5.3%	N.R.
Alabama	10,983	783	7.1%	8
Alaska	2,101	36	1.7%	42
Arizona	18,343	705	3.8%	24
Arkansas	6,500	325	5.0%	18
California	113,718	4,354	3.8%	25
Colorado	16,956	277	1.6%	43
Connecticut	12,977	588	4.5%	21
Delaware	2,850	171	6.0%	11
District of Columbia	6,147	1,018	16.6%	N.R.
Florida	58,822	3,451	5.9%	12
Georgia	25,072	4,089	16.3%	1
Hawaii	4,557	98	2.2%	37
Idaho	3,504	23	0.7%	48
Illinois	37,122	2,157	5.8%	13
Indiana	15,918	769	4.8%	19
Iowa	7,056	179	2.5%	36
Kansas	6,874	235	3.4%	28
Kentucky	10,528	339	3.2%	31
Louisiana	12,557	1,037	8.3%	4
Maine	4,459	70	1.6%	45
Maryland	23,791	2,924	12.3%	2
Massachusetts	32,116	1,004	3.1%	32
Michigan	30,040	1,547	5.1%	16
Minnesota	17,617	522	3.0%	34
Mississippi	5,857	609	10.4%	3
Missouri	18,297	678	3.7%	26
Montana	2,750	21	0.8%	47
Nebraska	4,820	101	2.1%	38
Nevada	6,731	339	5.0%	17
New Hampshire	4,391	71	1.6%	44
New Jersey	27,832	1,479	5.3%	15
New Mexico	5,269	190	3.6%	27
New York	75,749	4,307	5.7%	14
North Carolina	27,650	2,210	8.0%	5
North Dakota	1,826	73	4.0%	23
Ohio	35,333	1,674	4.7%	20
Oklahoma	8,293	268	3.2%	30
Oregon	13,127	242	1.8%	41
Pennsylvania	42,051	1,767	4.2%	22
Puerto Rico	9,813	53	0.5%	N.R.
Rhode Island	4,063	138	3.4%	29
South Carolina	12,197	735	6.0%	10
South Dakota	2,214	42	1.9%	40
Tennessee	17,687	1,324	7.5%	7
Texas	67,182	4,258	6.3%	9
Utah	7,198	46	0.6%	49
Vermont	2,410	27	1.1%	46
Virginia	22,874	1,766	7.7%	6
Washington	21,731	440	2.0%	39
West Virginia	4,914	150	3.1%	33
Wisconsin	15,975	463	2.9%	35
Wyoming	1,225	*	*	50

Source: Data are compiled from various AAMC sources (July 2021).

Notes: N.R. = not ranked. \* = fewer than 10 physicians; data not shown.



Source: Data are compiled from various AAMC sources (July 2021).

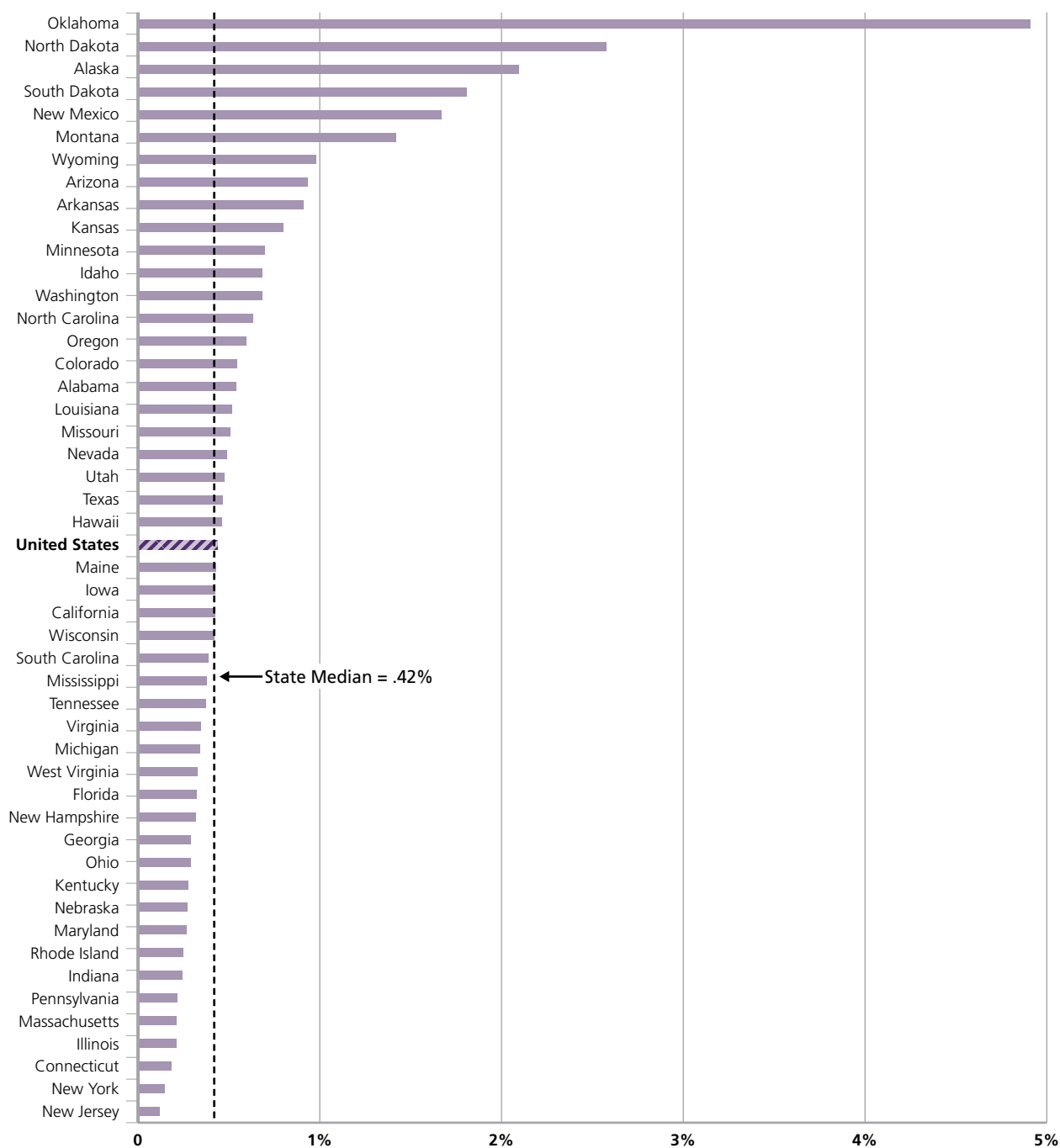
**Figure 1.10c.** Percentage of active physicians who identify as Hispanic, Latino, or of Spanish origin (alone or in combination), 2020.

**Table 1.10c. Active Physicians Who Identify as Hispanic, Latino, or of Spanish Origin (Alone or in Combination), 2020**

	Total Active Physicians	Active Hispanic, Latino, or of Spanish Origin Physicians		
		Number	Percentage	Rank
United States	940,254	50,797	5.4%	N.R.
Alabama	10,983	338	3.1%	27
Alaska	2,101	79	3.8%	16
Arizona	18,343	1,233	6.7%	4
Arkansas	6,500	175	2.7%	41
California	113,718	7,197	6.3%	5
Colorado	16,956	736	4.3%	14
Connecticut	12,977	584	4.5%	10
Delaware	2,850	105	3.7%	17
District of Columbia	6,147	281	4.6%	N.R.
Florida	58,822	9,309	15.8%	1
Georgia	25,072	978	3.9%	15
Hawaii	4,557	135	3.0%	33
Idaho	3,504	105	3.0%	31
Illinois	37,122	1,669	4.5%	11
Indiana	15,918	455	2.9%	36
Iowa	7,056	191	2.7%	39
Kansas	6,874	222	3.2%	25
Kentucky	10,528	281	2.7%	42
Louisiana	12,557	610	4.9%	8
Maine	4,459	89	2.0%	49
Maryland	23,791	796	3.3%	22
Massachusetts	32,116	1,423	4.4%	12
Michigan	30,040	784	2.6%	43
Minnesota	17,617	535	3.0%	28
Mississippi	5,857	147	2.5%	44
Missouri	18,297	551	3.0%	29
Montana	2,750	68	2.5%	45
Nebraska	4,820	145	3.0%	30
Nevada	6,731	355	5.3%	6
New Hampshire	4,391	129	2.9%	34
New Jersey	27,832	1,218	4.4%	13
New Mexico	5,269	768	14.6%	2
New York	75,749	3,925	5.2%	7
North Carolina	27,650	932	3.4%	20
North Dakota	1,826	33	1.8%	50
Ohio	35,333	1,032	2.9%	35
Oklahoma	8,293	279	3.4%	21
Oregon	13,127	449	3.4%	19
Pennsylvania	42,051	1,369	3.3%	24
Puerto Rico	9,813	6,683	68.1%	N.R.
Rhode Island	4,063	185	4.6%	9
South Carolina	12,197	383	3.1%	26
South Dakota	2,214	50	2.3%	47
Tennessee	17,687	504	2.8%	37
Texas	67,182	7,572	11.3%	3
Utah	7,198	198	2.8%	38
Vermont	2,410	57	2.4%	46
Virginia	22,874	762	3.3%	23
Washington	21,731	760	3.5%	18
West Virginia	4,914	105	2.1%	48
Wisconsin	15,975	478	3.0%	32
Wyoming	1,225	33	2.7%	40

Source: Data are compiled from various AAMC sources (July 2021).

Note: N.R. = not ranked.



Source: Data are compiled from various AAMC sources (July 2021).

Note: States with data representing fewer than 10 physicians are not shown: Delaware and Vermont.

**Figure 1.10d. Percentage of active physicians who identify as American Indian or Alaska Native (alone or in combination), 2020.**

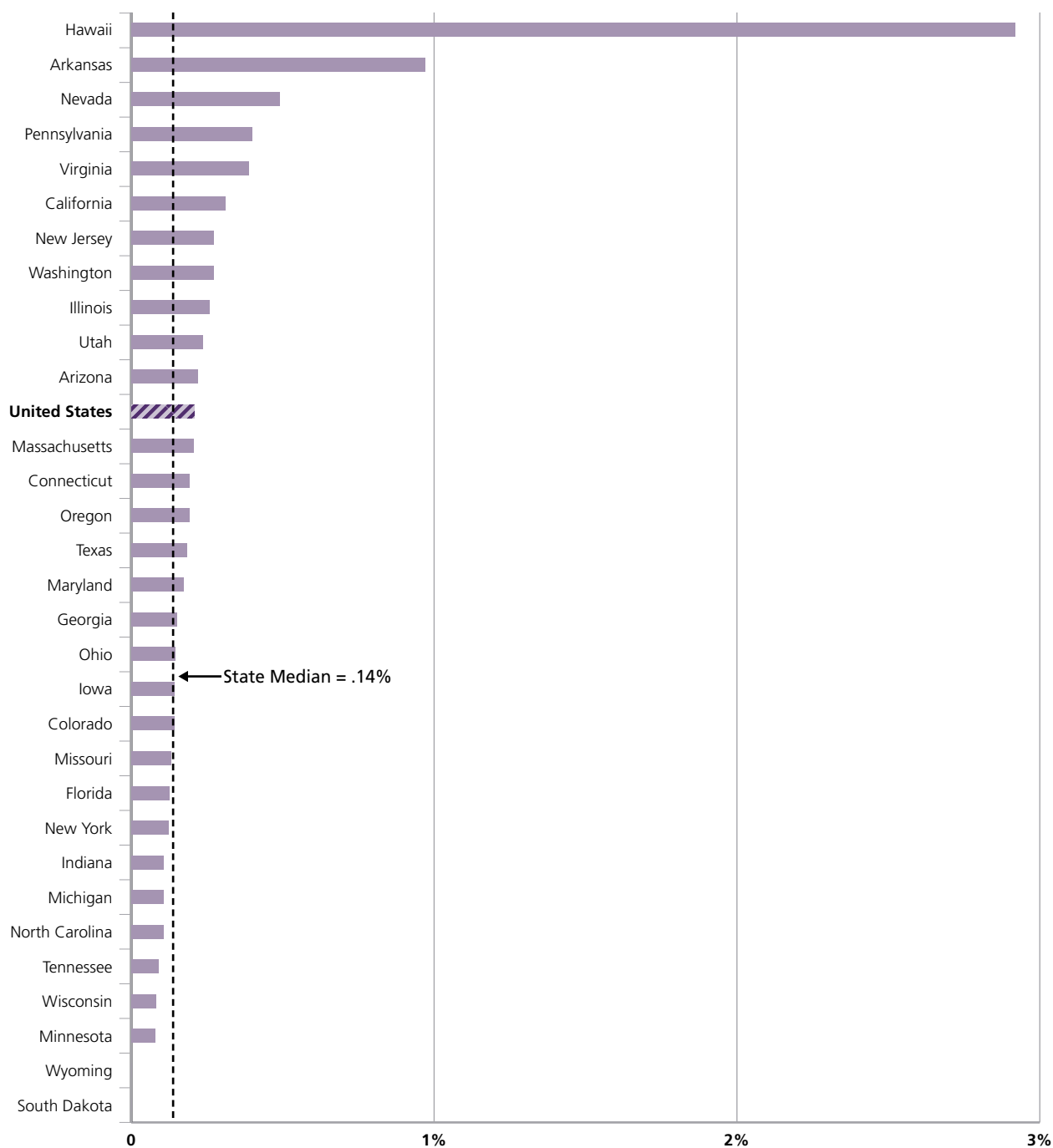
**Table 1.10d. Active Physicians Who Identify as American Indian or Alaska Native (Alone or in Combination), 2020**

	Total Active Physicians	Active American Indian or Alaska Native Physicians		
		Number	Percentage	Rank
United States	940,254	4,104	0.4%	N.R.
Alabama	10,983	59	0.5%	17
Alaska	2,101	44	2.1%	3
Arizona	18,343	171	0.9%	8
Arkansas	6,500	59	0.9%	9
California	113,718	479	0.4%	26
Colorado	16,956	92	0.5%	16
Connecticut	12,977	24	0.2%	46
Delaware	2,850	*	*	49
District of Columbia	6,147	11	0.2%	N.R.
Florida	58,822	188	0.3%	34
Georgia	25,072	73	0.3%	36
Hawaii	4,557	21	0.5%	23
Idaho	3,504	24	0.7%	12
Illinois	37,122	78	0.2%	45
Indiana	15,918	39	0.2%	42
Iowa	7,056	30	0.4%	25
Kansas	6,874	55	0.8%	10
Kentucky	10,528	29	0.3%	38
Louisiana	12,557	65	0.5%	18
Maine	4,459	19	0.4%	24
Maryland	23,791	63	0.3%	40
Massachusetts	32,116	68	0.2%	44
Michigan	30,040	102	0.3%	32
Minnesota	17,617	123	0.7%	11
Mississippi	5,857	22	0.4%	29
Missouri	18,297	93	0.5%	19
Montana	2,750	39	1.4%	6
Nebraska	4,820	13	0.3%	39
Nevada	6,731	33	0.5%	20
New Hampshire	4,391	14	0.3%	35
New Jersey	27,832	33	0.1%	50
New Mexico	5,269	88	1.7%	5
New York	75,749	112	0.1%	48
North Carolina	27,650	175	0.6%	14
North Dakota	1,826	47	2.6%	2
Ohio	35,333	102	0.3%	37
Oklahoma	8,293	407	4.9%	1
Oregon	13,127	78	0.6%	15
Pennsylvania	42,051	91	0.2%	43
Puerto Rico	9,813	*	*	N.R.
Rhode Island	4,063	10	0.2%	41
South Carolina	12,197	47	0.4%	28
South Dakota	2,214	40	1.8%	4
Tennessee	17,687	66	0.4%	30
Texas	67,182	314	0.5%	22
Utah	7,198	34	0.5%	21
Vermont	2,410	*	*	47
Virginia	22,874	79	0.3%	31
Washington	21,731	148	0.7%	13
West Virginia	4,914	16	0.3%	33
Wisconsin	15,975	67	0.4%	27
Wyoming	1,225	12	1.0%	7

Source: Data are compiled from various AAMC sources (July 2021).

Notes: N.R. = not ranked. \* = fewer than 10 physicians; data not shown.





Source: Data are compiled from various AAMC sources (July 2021).

Note: States with data representing fewer than 10 physicians are not shown: Alabama, Alaska, Delaware, Idaho, Kansas, Kentucky, Louisiana, Maine, Mississippi, Montana, Nebraska, New Hampshire, New Mexico, North Dakota, Oklahoma, Rhode Island, South Carolina, Vermont, and West Virginia.

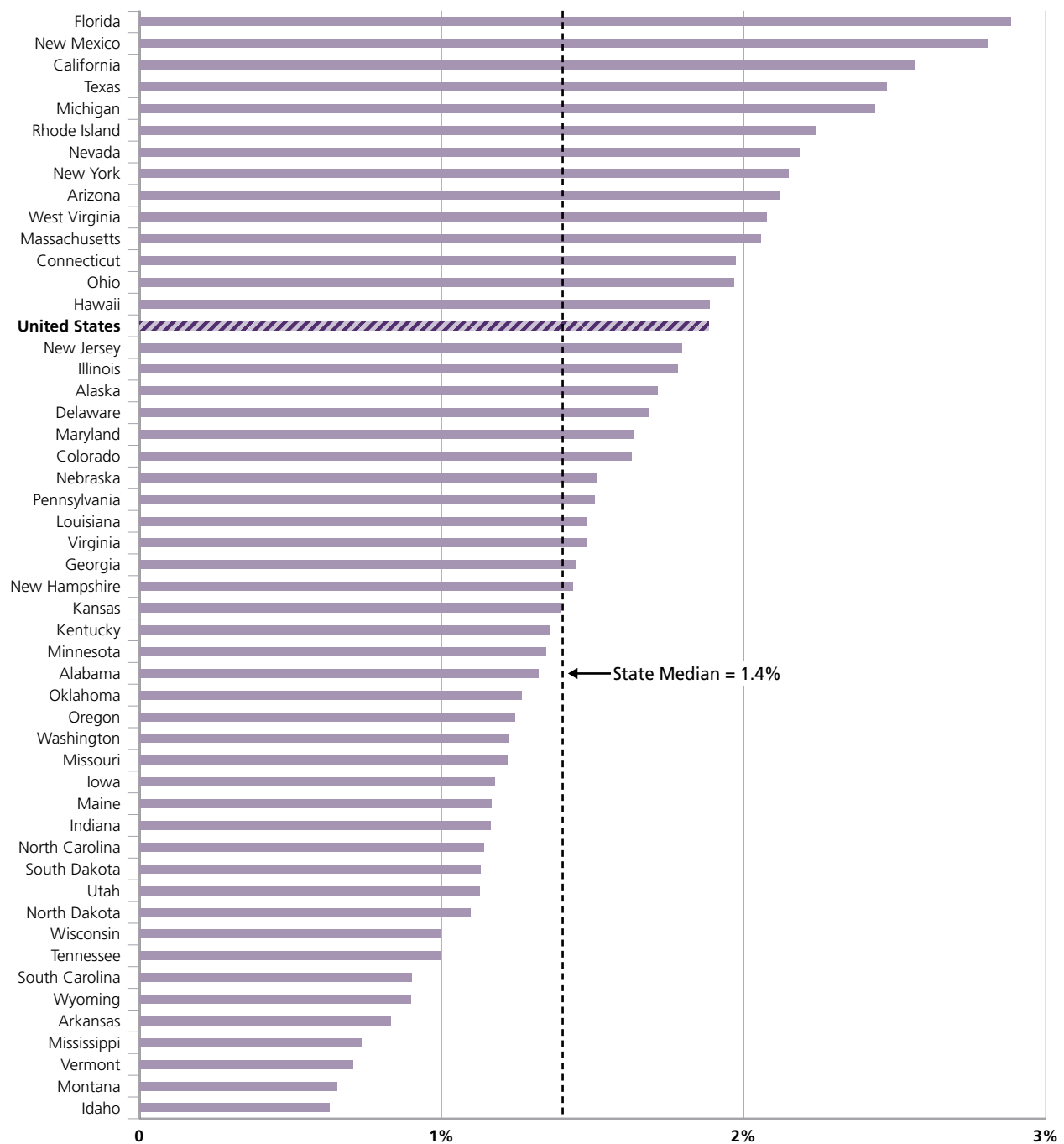
**Figure 1.10e. Percentage of active physicians who identify as Native Hawaiian or Other Pacific Islander (alone or in combination), 2020.**

**Table 1.10e. Active Physicians Who Identify as Native Hawaiian or Other Pacific Islander (Alone or in Combination), 2020**

	Total Active Physicians	Active Native Hawaiian or Other Pacific Islander Physicians		
		Number	Percentage	Rank
United States	940,254	1,952	0.2%	N.R.
Alabama	10,983	*	*	36
Alaska	2,101	*	*	7
Arizona	18,343	40	0.2%	12
Arkansas	6,500	63	1.0%	2
California	113,718	352	0.3%	6
Colorado	16,956	24	0.1%	24
Connecticut	12,977	25	0.2%	14
Delaware	2,850	*	*	48
District of Columbia	6,147	13	0.2%	N.R.
Florida	58,822	74	0.1%	26
Georgia	25,072	38	0.2%	21
Hawaii	4,557	133	2.9%	1
Idaho	3,504	*	*	29
Illinois	37,122	96	0.3%	10
Indiana	15,918	17	0.1%	30
Iowa	7,056	10	0.1%	23
Kansas	6,874	*	*	47
Kentucky	10,528	*	*	35
Louisiana	12,557	*	*	40
Maine	4,459	*	*	41
Maryland	23,791	41	0.2%	18
Massachusetts	32,116	66	0.2%	13
Michigan	30,040	32	0.1%	31
Minnesota	17,617	14	0.1%	38
Mississippi	5,857	*	*	45
Missouri	18,297	24	0.1%	25
Montana	2,750	*	*	39
Nebraska	4,820	*	*	43
Nevada	6,731	33	0.5%	3
New Hampshire	4,391	*	*	17
New Jersey	27,832	76	0.3%	8
New Mexico	5,269	*	*	19
New York	75,749	92	0.1%	28
North Carolina	27,650	29	0.1%	32
North Dakota	1,826	*	*	44
Ohio	35,333	51	0.1%	22
Oklahoma	8,293	*	*	33
Oregon	13,127	25	0.2%	15
Pennsylvania	42,051	168	0.4%	4
Puerto Rico	9,813	*	*	N.R.
Rhode Island	4,063	*	*	46
South Carolina	12,197	*	*	42
South Dakota	2,214	--	--	--
Tennessee	17,687	16	0.1%	34
Texas	67,182	123	0.2%	16
Utah	7,198	17	0.2%	11
Vermont	2,410	*	*	27
Virginia	22,874	89	0.4%	5
Washington	21,731	59	0.3%	9
West Virginia	4,914	*	*	20
Wisconsin	15,975	13	0.1%	37
Wyoming	1,225	--	--	--

Source: Data are compiled from various AAMC sources (July 2021).

Notes: N.R. = not ranked. --- = No physicians who identify as Native Hawaiian or other Pacific Islander were found practicing in the state. \* = fewer than 10 physicians; data not shown.



Source: Data are compiled from various AAMC sources (July 2021).

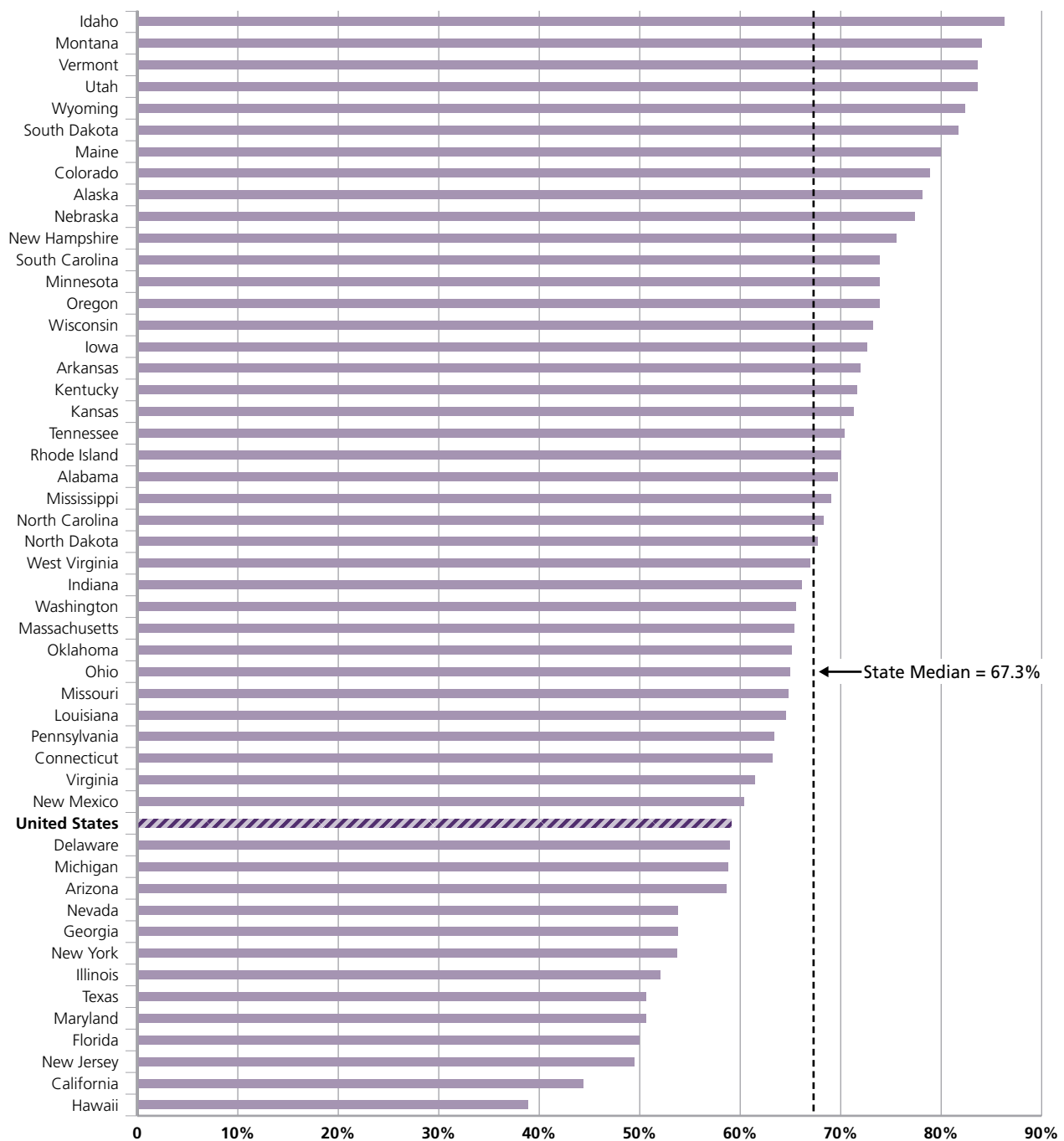
**Figure 1.10f.** Percentage of active physicians who identify as Other race/ethnicity (alone or in combination), 2020.

**Table 1.10f. Active Physicians Who Identify as Other Race/Ethnicity (Alone or in Combination), 2020**

	Total Active Physicians	Active Other Race/Ethnicity Physicians		
		Number	Percentage	Rank
United States	940,254	17,705	1.9%	N.R.
Alabama	10,983	145	1.3%	30
Alaska	2,101	36	1.7%	17
Arizona	18,343	389	2.1%	9
Arkansas	6,500	54	0.8%	46
California	113,718	2,921	2.6%	3
Colorado	16,956	276	1.6%	20
Connecticut	12,977	256	2.0%	12
Delaware	2,850	48	1.7%	18
District of Columbia	6,147	179	2.9%	N.R.
Florida	58,822	1,697	2.9%	1
Georgia	25,072	362	1.4%	25
Hawaii	4,557	86	1.9%	14
Idaho	3,504	22	0.6%	50
Illinois	37,122	661	1.8%	16
Indiana	15,918	185	1.2%	37
Iowa	7,056	83	1.2%	35
Kansas	6,874	96	1.4%	27
Kentucky	10,528	143	1.4%	28
Louisiana	12,557	186	1.5%	23
Maine	4,459	52	1.2%	36
Maryland	23,791	389	1.6%	19
Massachusetts	32,116	660	2.1%	11
Michigan	30,040	731	2.4%	5
Minnesota	17,617	237	1.3%	29
Mississippi	5,857	43	0.7%	47
Missouri	18,297	223	1.2%	34
Montana	2,750	18	0.7%	49
Nebraska	4,820	73	1.5%	21
Nevada	6,731	147	2.2%	7
New Hampshire	4,391	63	1.4%	26
New Jersey	27,832	500	1.8%	15
New Mexico	5,269	148	2.8%	2
New York	75,749	1,628	2.1%	8
North Carolina	27,650	315	1.1%	38
North Dakota	1,826	20	1.1%	41
Ohio	35,333	695	2.0%	13
Oklahoma	8,293	105	1.3%	31
Oregon	13,127	163	1.2%	32
Pennsylvania	42,051	633	1.5%	22
Puerto Rico	9,813	330	3.4%	N.R.
Rhode Island	4,063	91	2.2%	6
South Carolina	12,197	110	0.9%	44
South Dakota	2,214	25	1.1%	39
Tennessee	17,687	176	1.0%	43
Texas	67,182	1,661	2.5%	4
Utah	7,198	81	1.1%	40
Vermont	2,410	17	0.7%	48
Virginia	22,874	338	1.5%	24
Washington	21,731	266	1.2%	33
West Virginia	4,914	102	2.1%	10
Wisconsin	15,975	159	1.0%	42
Wyoming	1,225	11	0.9%	45

Source: Data are compiled from various AAMC sources (July 2021).

Note: N.R. = not ranked.



Source: Data are compiled from various AAMC sources (July 2021).

**Figure 1.10g.** Percentage of active physicians who identify as White (alone or in combination), 2020.

**Table 1.10g. Active Physicians Who Identify as White (Alone or in Combination), 2020**

	Total Active Physicians	Active White Physicians		
		Number	Percentage	Rank
United States	940,254	555,689	59.1%	N.R.
Alabama	10,983	7,653	69.7%	22
Alaska	2,101	1,641	78.1%	9
Arizona	18,343	10,747	58.6%	40
Arkansas	6,500	4,675	71.9%	17
California	113,718	50,451	44.4%	49
Colorado	16,956	13,376	78.9%	8
Connecticut	12,977	8,202	63.2%	35
Delaware	2,850	1,681	59.0%	38
District of Columbia	6,147	3,065	49.9%	N.R.
Florida	58,822	29,395	50.0%	47
Georgia	25,072	13,473	53.7%	42
Hawaii	4,557	1,770	38.8%	50
Idaho	3,504	3,023	86.3%	1
Illinois	37,122	19,315	52.0%	44
Indiana	15,918	10,520	66.1%	27
Iowa	7,056	5,123	72.6%	16
Kansas	6,874	4,897	71.2%	19
Kentucky	10,528	7,541	71.6%	18
Louisiana	12,557	8,103	64.5%	33
Maine	4,459	3,564	79.9%	7
Maryland	23,791	12,039	50.6%	46
Massachusetts	32,116	20,998	65.4%	29
Michigan	30,040	17,652	58.8%	39
Minnesota	17,617	13,008	73.8%	13
Mississippi	5,857	4,042	69.0%	23
Missouri	18,297	11,855	64.8%	32
Montana	2,750	2,311	84.0%	2
Nebraska	4,820	3,728	77.3%	10
Nevada	6,731	3,621	53.8%	41
New Hampshire	4,391	3,316	75.5%	11
New Jersey	27,832	13,772	49.5%	48
New Mexico	5,269	3,181	60.4%	37
New York	75,749	40,696	53.7%	43
North Carolina	27,650	18,884	68.3%	24
North Dakota	1,826	1,236	67.7%	25
Ohio	35,333	22,957	65.0%	31
Oklahoma	8,293	5,399	65.1%	30
Oregon	13,127	9,692	73.8%	14
Pennsylvania	42,051	26,657	63.4%	34
Puerto Rico	9,813	691	7.0%	N.R.
Rhode Island	4,063	2,845	70.0%	21
South Carolina	12,197	9,011	73.9%	12
South Dakota	2,214	1,809	81.7%	6
Tennessee	17,687	12,439	70.3%	20
Texas	67,182	34,024	50.6%	45
Utah	7,198	6,015	83.6%	4
Vermont	2,410	2,014	83.6%	3
Virginia	22,874	14,045	61.4%	36
Washington	21,731	14,237	65.5%	28
West Virginia	4,914	3,290	67.0%	26
Wisconsin	15,975	11,692	73.2%	15
Wyoming	1,225	1,009	82.4%	5

Source: Data are compiled from various AAMC sources (July 2021).

Note: N.R. = not ranked.

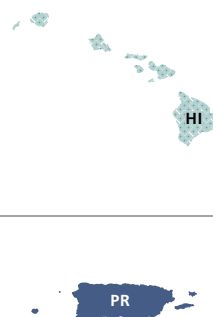
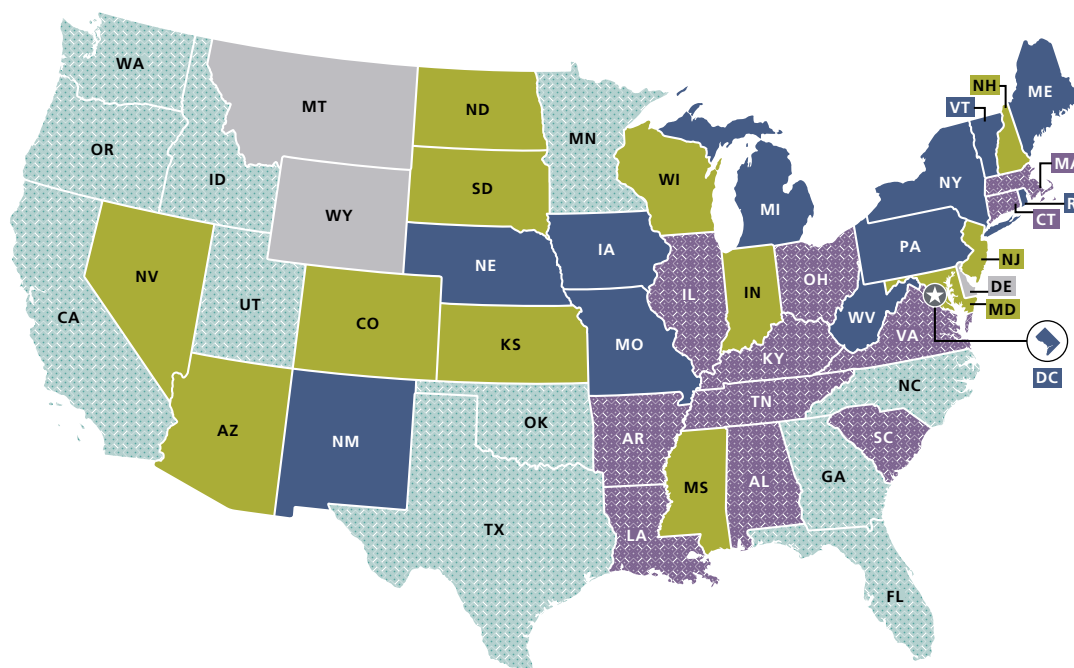
## Section II: Undergraduate Medical Education (UME)

### KEY FINDINGS

- During the 2020-2021 academic year, 37.9 students per 100,000 population were enrolled in MD-granting and DO-granting schools in the United States. The states with the highest student-to-population ratio were concentrated in the Northeast and the Midwest (refer to Map 2.1, Figure 2.1, and Table 2.1).
- The rate of students enrolled in public schools per 100,000 population varied widely across states where a public school exists, from a low of 9.1 in Georgia to a high of 89.1 in West Virginia (refer to Map 2.2, Figure 2.2, and Table 2.2). In the United States overall, 18.7 MD and DO students per 100,000 population were enrolled in public schools.
- Between the 2010-2011 and 2020-2021 academic years, the total number of students enrolled in MD-granting and DO-granting schools increased by 30.2% in the United States. The total number of students enrolled in MD-granting schools grew by 16,591 and in DO-granting schools by 12,236. This growth represents a 21.8% increase in MD enrollment and a 63.0% increase in DO enrollment during the 10-year period. Except for Oklahoma, which had a slight decrease in enrollment (-2.0%), every state and the District of Columbia and Puerto Rico experienced an increase in enrollment, and 24 states had enrollment increases of 25% or more (refer to Figure 2.3 and Table 2.3).
- For the 2020-2021 academic year, 60.2% of new students in MD-granting schools matriculated in their home state. West Virginia had the highest in-state matriculation rate — more than 90% of new medical students matriculated in state. In contrast, New Hampshire had the lowest in-state matriculation rate of states with a medical school; only 12.5% of the new medical students from New Hampshire matriculated in state (refer to Figure 2.4 and Table 2.4).

## 1

## Student Enrollment per 100,000 Population by Degree Type, Academic Years 2019-2020 and 2020-2021



## Key

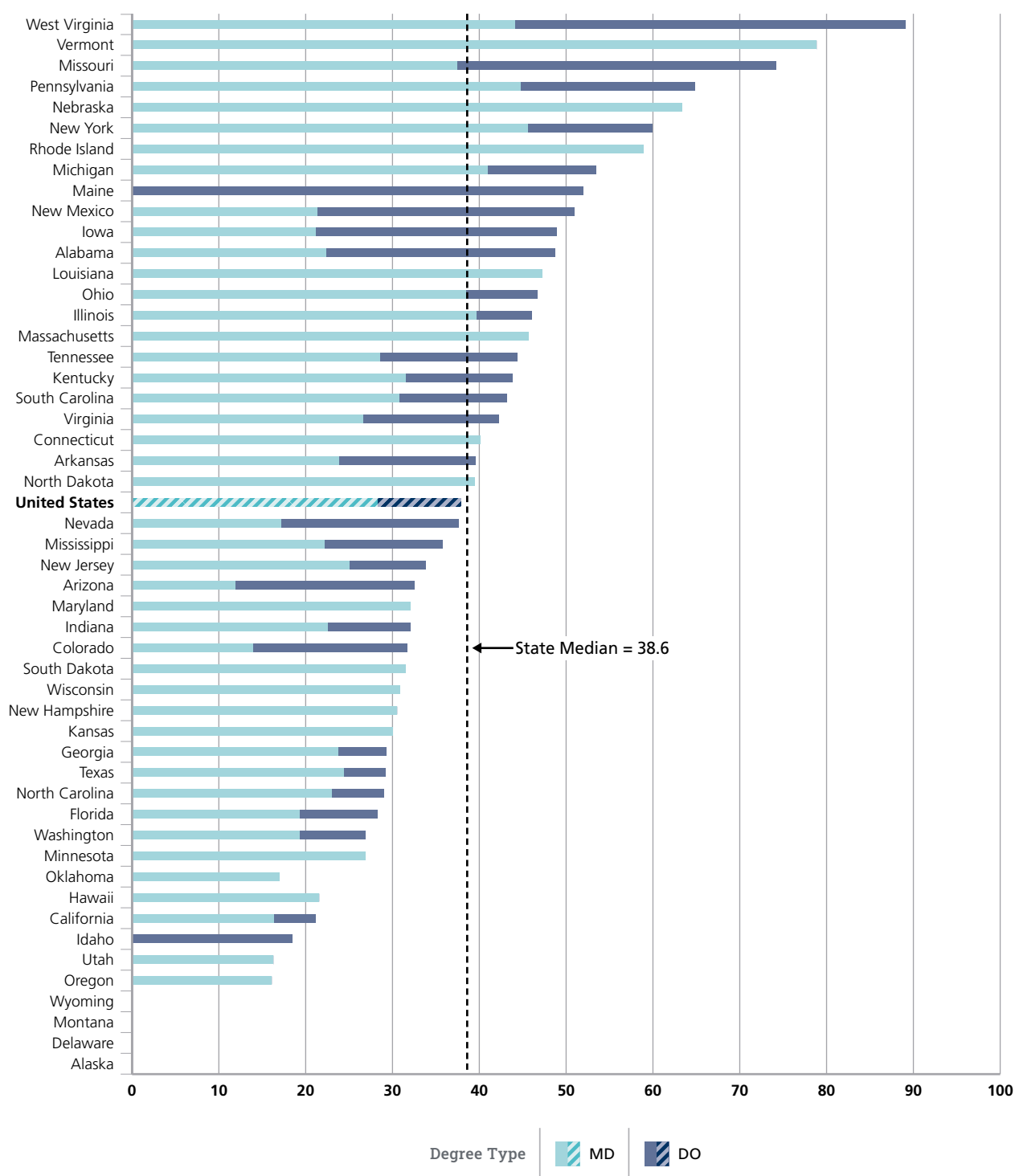
- No MD- or DO-granting school
- 16.0 to 30.0
- 30.1 to 39.5
- 39.6 to 48.9
- 49.0 to 301.4

Sources: Enrollment data from MD-granting schools are from the AAMC Student Records System (SRS) and are for academic year 2020-2021, as of June 2021. Enrollment data from DO-granting schools are from the American Association of Colleges of Osteopathic Medicine (AACOM) and are for academic year 2019-2020, as of June 2020. Population estimates are as of July 1, 2019, from the U.S. Census Bureau (released December 2019). Data used are the most recent data available.

Note: Number ranges in the key are rounded; states that fall between ranges are shaded according to the closest range.

**Map 2.1.** Student enrollment per 100,000 population, academic years 2019-2020 and 2020-2021.





Sources: Enrollment data from MD-granting schools are from the AAMC Student Records System (SRS) and are for academic year 2020-2021, as of June 2021. Enrollment data from DO-granting schools are from the American Association of Colleges of Osteopathic Medicine (AACOM) and are for academic year 2019-2020, as of June 2020. Population estimates are as of July 1, 2019, from the U.S. Census Bureau (released December 2019). Data used are the most recent data available.

Note: California enrollment data for DO-granting schools include enrollment at Western University's Northwest campus in Lebanon, Oregon.

**Figure 2.1. Student enrollment per 100,000 population by degree type, academic years 2019-2020 and 2020-2021.**

**Table 2.1. Student Enrollment per 100,000 Population by School Type, Academic Years 2019-2020 and 2020-2021**

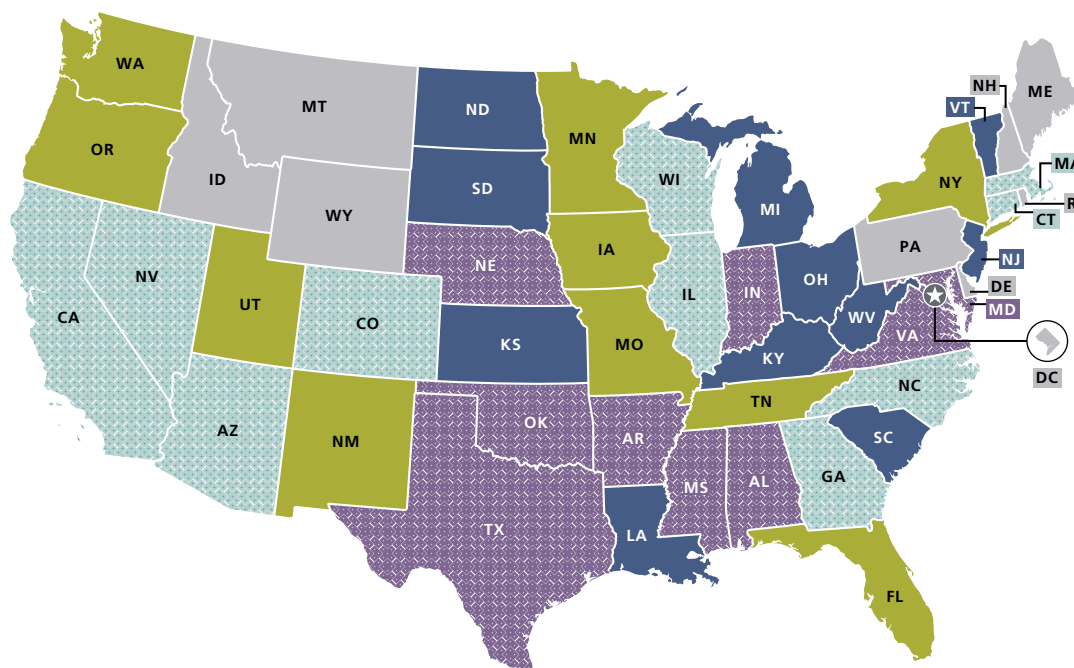
	Total Population	Total Students Enrolled in an MD- or DO-Granting Schools			Students Enrolled in MD-Granting Schools 2020-2021		Students Enrolled in DO-Granting Schools 2019-2020	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	328,239,523	124,333	37.9	N.R.	92,670	28.2	31,663	9.6
Alabama	4,903,185	2,391	48.8	12	1,098	22.4	1,293	26.4
Alaska	731,545	---	---	---	---	---	---	---
Arizona	7,278,717	2,366	32.5	27	867	11.9	1,499	20.6
Arkansas	3,017,804	1,193	39.5	22	720	23.9	473	15.7
California	39,512,223	8,335	21.1	43	6,459	16.3	1,876	5
Colorado	5,758,736	1,826	31.7	30	802	13.9	1,024	17.8
Connecticut	3,565,287	1,432	40.2	21	1,432	40.2	---	---
Delaware	973,764	---	---	---	---	---	---	---
District of Columbia	705,749	2,127	301.4	N.R.	2,127	301.4	---	---
Florida	21,477,737	6,064	28.2	38	4,151	19.3	1,913	9
Georgia	10,617,423	3,112	29.3	35	2,522	23.8	590	5.6
Hawaii	1,415,872	305	21.5	42	305	21.5	---	---
Idaho	1,787,065	330	18.5	44	---	---	330	18.5
Illinois	12,671,821	5,838	46.1	15	5,029	39.7	809	6.4
Indiana	6,732,219	2,155	32.0	29	1,519	22.6	636	9.4
Iowa	3,155,070	1,545	49.0	11	666	21.1	879	27.9
Kansas	2,913,314	875	30.0	34	875	30.0	---	---
Kentucky	4,467,673	1,957	43.8	18	1,408	31.5	549	12.3
Louisiana	4,648,794	2,195	47.2	13	2,195	47.2	---	---
Maine	1,344,212	699	52.0	9	---	---	699	52.0
Maryland	6,045,680	1,939	32.1	28	1,939	32.1	---	---
Massachusetts	6,892,503	3,147	45.7	16	3,147	45.7	---	---
Michigan	9,986,857	5,340	53.5	8	4,089	40.9	1,251	12.5
Minnesota	5,639,632	1,514	26.8	40	1,514	26.8	---	---
Mississippi	2,976,149	1,066	35.8	25	659	22.1	407	14
Missouri	6,137,428	4,555	74.2	3	2,297	37.4	2,258	36.8
Montana	1,068,778	---	---	---	---	---	---	---
Nebraska	1,934,408	1,226	63.4	5	1,226	63.4	---	---
Nevada	3,080,156	1,160	37.7	24	529	17.2	631	20
New Hampshire	1,359,711	415	30.5	33	415	30.5	---	---
New Jersey	8,882,190	3,008	33.9	26	2,227	25.1	781	8.8
New Mexico	2,096,829	1,069	51.0	10	448	21.4	621	29.6
New York	19,453,561	11,669	60.0	6	8,862	45.6	2,807	14
North Carolina	10,488,084	3,042	29.0	37	2,415	23.0	627	6.0
North Dakota	762,062	301	39.5	23	301	39.5	---	---
Ohio	11,689,100	5,462	46.7	14	4,501	38.5	961	8.2
Oklahoma	3,956,971	1,019	25.8	41	672	17.0	347	9
Oregon	4,217,737	679	16.1	46	679	16.1	---	---
Pennsylvania	12,801,989	8,300	64.8	4	5,728	44.7	2,572	20.1
Puerto Rico	3,193,694	1,573	49.3	N.R.	1,573	49.3	---	---
Rhode Island	1,059,361	624	58.9	7	624	58.9	---	---
South Carolina	5,148,714	2,222	43.2	19	1,583	30.7	639	12.4
South Dakota	884,659	279	31.5	31	279	31.5	---	---
Tennessee	6,829,174	3,032	44.4	17	1,949	28.5	1,083	15.9
Texas	28,995,881	8,457	29.2	36	7,075	24.4	1,382	4.8
Utah	3,205,958	522	16.3	45	522	16.3	---	---
Vermont	623,989	492	78.8	2	492	78.8	---	---
Virginia	8,535,519	3,608	42.3	20	2,268	26.6	1,340	15.7
Washington	7,614,893	2,048	26.9	39	1,468	19.3	580	7.6
West Virginia	1,792,147	1,597	89.1	1	791	44.1	806	45
Wisconsin	5,822,434	1,796	30.8	32	1,796	30.8	---	---
Wyoming	578,759	---	---	---	---	---	---	---

Sources: Enrollment data from MD-granting schools are from the AAMC Student Records System (SRS) and are for academic year 2020-2021, as of June 2021. Enrollment data from DO-granting schools are from the American Association of Colleges of Osteopathic Medicine (AACOM) and are for academic year 2019-2020, as of June 2020. Population estimates are as of July 1, 2019, from the U.S. Census Bureau (released December 2019). Data used are the most recent data available.

Notes: N.R. = not ranked. --- Indicates that category is not applicable because some states do not have an MD-granting or a DO-granting school. California enrollment data for DO-granting schools include enrollment at Western University's Northwest campus in Lebanon, Oregon.

## 2

## Student Enrollment in Public Schools per 100,000 Population by Degree Type, Academic Years 2019-2020 and 2020-2021



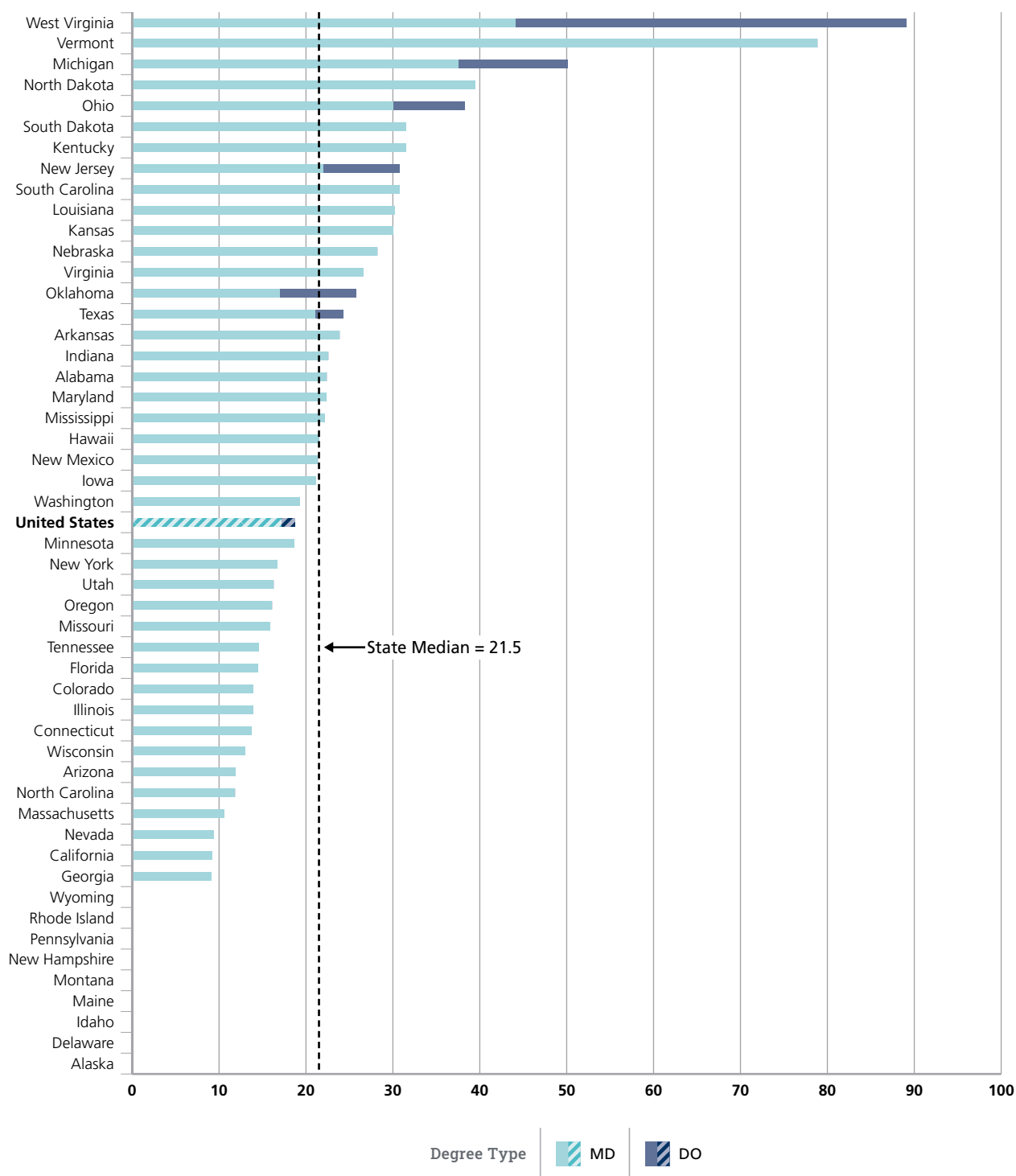
## Key

- No public MD- or DO-granting school
- 9.1 to 14.5
- 14.6 to 21.4
- 21.5 to 30.0
- 30.1 to 89.1

Sources: Enrollment data from MD-granting schools are from the AAMC Student Records System (SRS) and are for academic year 2020-2021, as of June 2021. Enrollment data from DO-granting schools are from the American Association of Colleges of Osteopathic Medicine (AACOM) and are for academic year 2019-2020, as of June 2020. Population estimates are as of July 1, 2019, from the U.S. Census Bureau (released December 2019). Data used are the most recent data available.

Note: Number ranges in the key are rounded; states that fall between ranges are shaded according to the closest range.

**Map 2.2.** Student enrollment in public schools per 100,000 population, academic years 2019-2020 and 2020-2021.



Sources: Enrollment data from MD-granting schools are from the AAMC Student Records System (SRS) and are for academic year 2020-2021, as of June 2021. Enrollment data from DO-granting schools are from the American Association of Colleges of Osteopathic Medicine (AACOM) and are for academic year 2019-2020, as of June 2020. Population estimates are as of July 1, 2019, from the U.S. Census Bureau (released December 2019). Data used are the most recent data available.

Note: California enrollment data for DO-granting schools include enrollment at Western University's Northwest campus in Lebanon, Oregon.

**Figure 2.2.** Student enrollment in public schools per 100,000 population by degree type, academic years 2019-2020 and 2020-2021.

**Table 2.2. Student Enrollment in Public Schools per 100,000 Population by School Type, Academic Years 2019-2020 and 2020-2021**

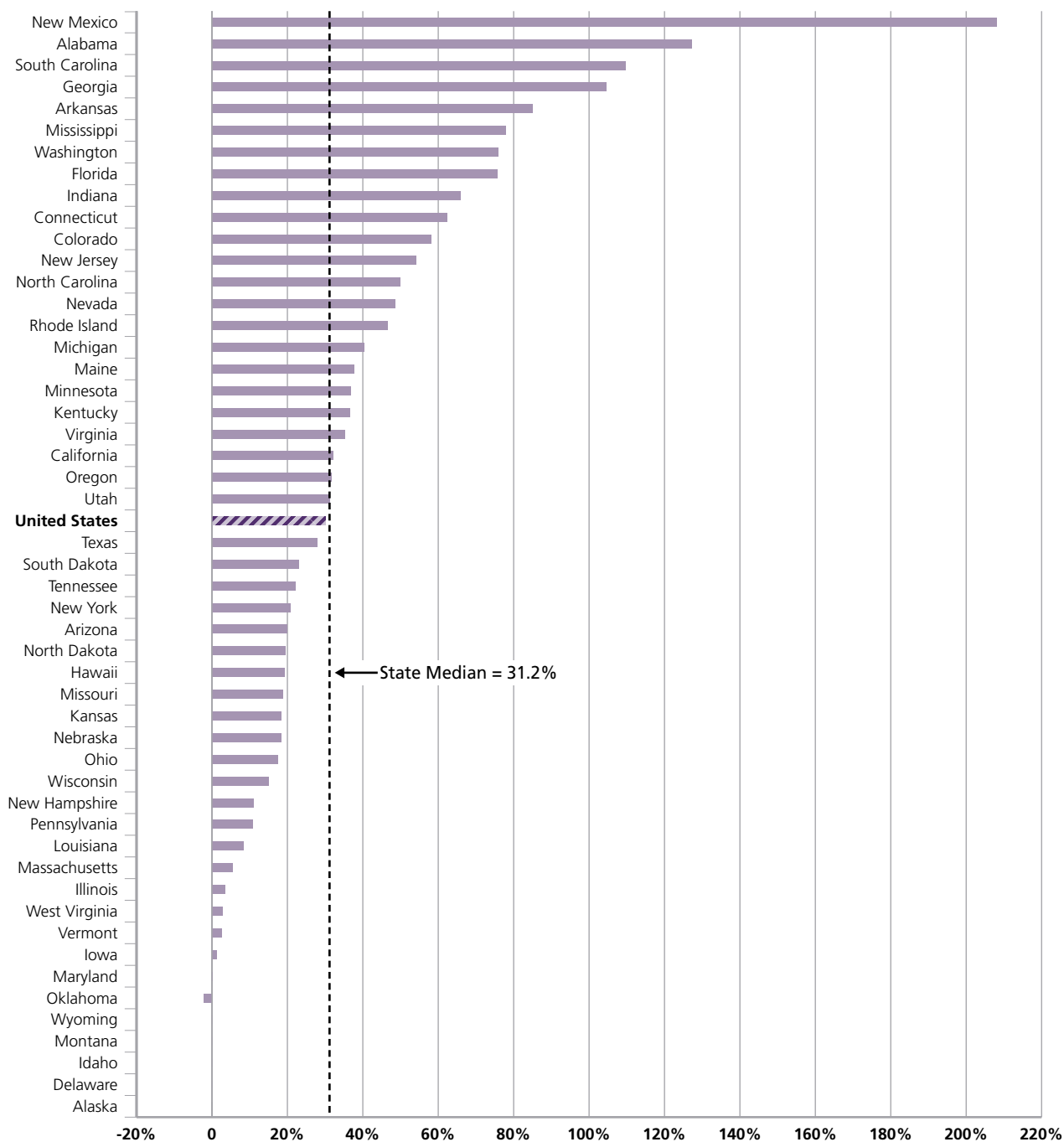
	Total Population	Total Students Enrolled in Public MD- or DO-Granting Schools			Students Enrolled in Public MD-Granting Schools 2020-2021		Students Enrolled in Public DO-Granting Schools 2019-2020	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	328,239,523	61,358	18.7	N.R.	56,297	17.2	5,061	1.5
Alabama	4,903,185	1,098	22.4	18	1,098	22.4	---	---
Alaska	731,545	---	---	---	---	---	---	---
Arizona	7,278,717	867	11.9	36	867	11.9	---	---
Arkansas	3,017,804	720	23.9	16	720	23.9	---	---
California	39,512,223	3,631	9.2	40	3,631	9.2	---	---
Colorado	5,758,736	802	13.9	32	802	13.9	---	---
Connecticut	3,565,287	490	13.7	34	490	13.7	---	---
Delaware	973,764	---	---	---	---	---	---	---
District of Columbia	705,749	---	---	N.R.	---	---	---	---
Florida	21,477,737	3,105	14.5	31	3,105	14.5	---	---
Georgia	10,617,423	966	9.1	41	966	9.1	---	---
Hawaii	1,415,872	305	21.5	21	305	21.5	---	---
Idaho	1,787,065	---	---	---	---	---	---	---
Illinois	12,671,821	1,761	13.9	33	1,761	13.9	---	---
Indiana	6,732,219	1,519	22.6	17	1,519	22.6	---	---
Iowa	3,155,070	666	21.1	23	666	21.1	---	---
Kansas	2,913,314	875	30.0	11	875	30.0	---	---
Kentucky	4,467,673	1,408	31.5	7	1,408	31.5	---	---
Louisiana	4,648,794	1,403	30.2	10	1,403	30.2	---	---
Maine	1,344,212	---	---	---	---	---	---	---
Maryland	6,045,680	1,349	22.3	19	1,349	22.3	---	---
Massachusetts	6,892,503	729	10.6	38	729	10.6	---	---
Michigan	9,986,857	5,003	50.1	3	3,752	37.6	1,251	12.5
Minnesota	5,639,632	1,052	18.7	25	1,052	18.7	---	---
Mississippi	2,976,149	659	22.1	20	659	22.1	---	---
Missouri	6,137,428	974	15.9	29	974	15.9	---	---
Montana	1,068,778	---	---	---	---	---	---	---
Nebraska	1,934,408	546	28.2	12	546	28.2	---	---
Nevada	3,080,156	289	9.4	39	289	9.4	---	---
New Hampshire	1,359,711	---	---	---	---	---	---	---
New Jersey	8,882,190	2,736	30.8	8	1,955	22.0	781	8.8
New Mexico	2,096,829	448	21.4	22	448	21.4	---	---
New York	19,453,561	3,251	16.7	26	3,251	16.7	---	---
North Carolina	10,488,084	1,242	11.8	37	1,242	11.8	---	---
North Dakota	762,062	301	39.5	4	301	39.5	---	---
Ohio	11,689,100	4,477	38.3	5	3,516	30.1	961	8.2
Oklahoma	3,956,971	1,019	25.8	14	672	17.0	347	9
Oregon	4,217,737	679	16.1	28	679	16.1	---	---
Pennsylvania	12,801,989	---	---	---	---	---	---	---
Puerto Rico	3,193,694	469	14.7	N.R.	469	14.7	---	---
Rhode Island	1,059,361	---	---	---	---	---	---	---
South Carolina	5,148,714	1,583	30.7	9	1,583	30.7	---	---
South Dakota	884,659	279	31.5	6	279	31.5	---	---
Tennessee	6,829,174	994	14.6	30	994	14.6	---	---
Texas	28,995,881	7,030	24.2	15	6,115	21.1	915	3.2
Utah	3,205,958	522	16.3	27	522	16.3	---	---
Vermont	623,989	492	78.8	2	492	78.8	---	---
Virginia	8,535,519	2,268	26.6	13	2,268	26.6	---	---
Washington	7,614,893	1,468	19.3	24	1,468	19.3	---	---
West Virginia	1,792,147	1,597	89.1	1	791	44.1	806	45
Wisconsin	5,822,434	755	13.0	35	755	13.0	---	---
Wyoming	578,759	---	---	---	---	---	---	---

Sources: 2020-2021 enrollment data from MD-granting schools are from the AAMC Student Records System (SRS) and are as of June 2021. 2019-2020 enrollment data from DO-granting schools are from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of June 2020. July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019).

Notes: N.R. = not ranked. --- Indicates that category is not applicable because some states do not have a public MD-granting or DO-granting school. California enrollment data for DO-granting schools include enrollment at Western University's Northwest campus in Lebanon, Oregon.

## 3

## Percentage Change in Student Enrollment, 2010-2020



Sources: 2020-2021 enrollment data from MD-granting schools are from the AAMC Student Records System (SRS) and are as of June 2021. 2010-2011 enrollment data from MD-granting schools are from the AAMC SRS and are as of June 2010. 2010-2011 and 2019-2020 enrollment data from DO-granting schools are from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of June 2020. July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019).

Note: California enrollment data for DO-granting schools include enrollment at Western University's Northwest campus in Lebanon, Oregon.

**Figure 2.3. Percentage change in student enrollment, 2010-2020.**

**Table 2.3. Percentage Change in Student Enrollment by School Type, 2010-2020**

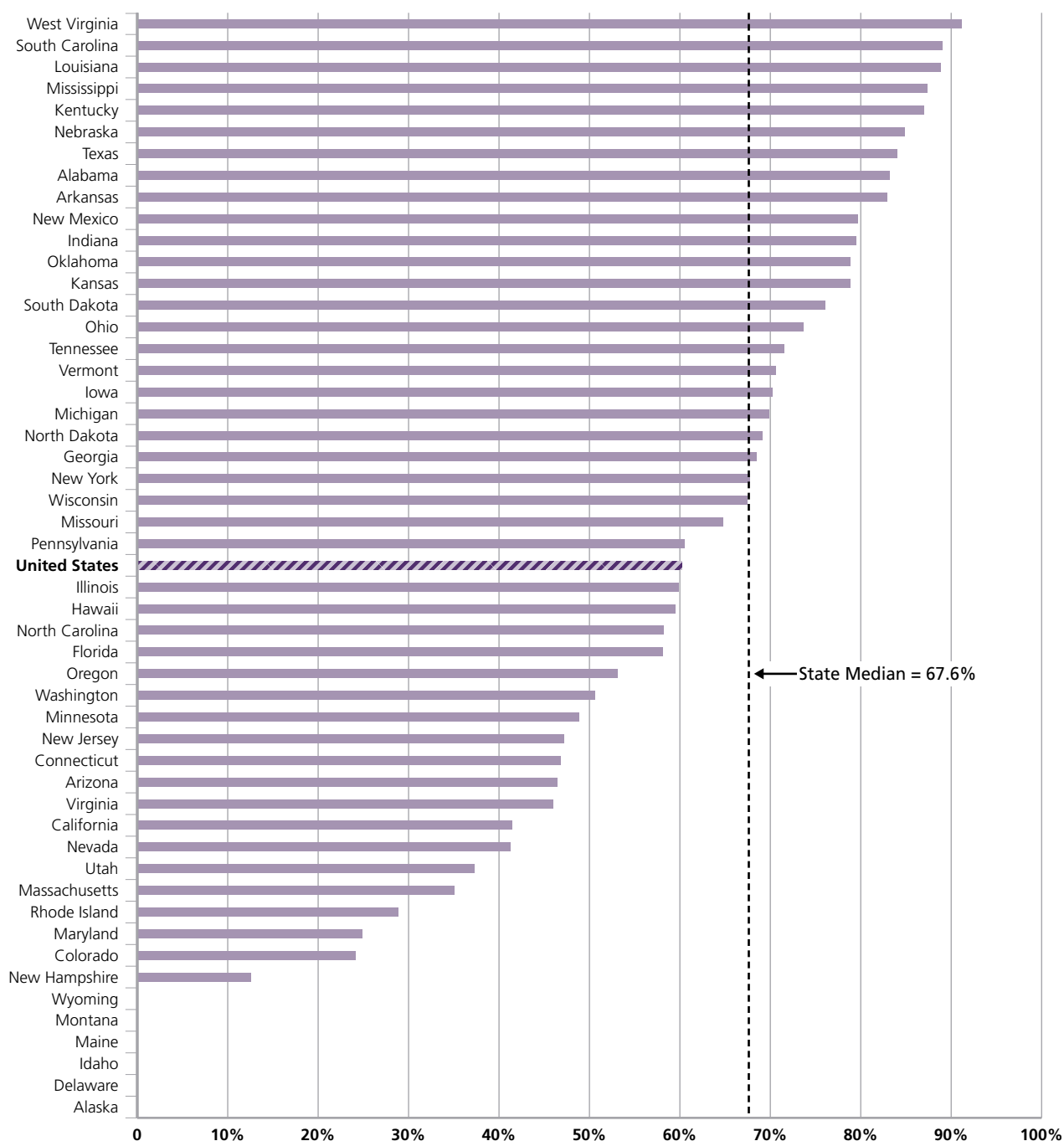
	Total Students Enrolled in UME				Students Enrolled in an MD-Granting School		Students Enrolled in a DO-Granting School	
	2010	2020	Percentage Change	Rank	2010	2020	2010	2020
United States	95,506	124,333	30.2%	N.R.	76,079	92,670	19,427	31,663
Alabama	1,052	2,391	127.3%	2	1,052	1,098	---	1,293
Alaska	---	---	---	---	---	---	---	---
Arizona	1,972	2,366	20.0%	28	650	867	1,322	1,499
Arkansas	645	1,193	85.0%	5	645	720	0	473
California	6,306	8,335	32.2%	21	4,880	6,459	1,426	1,876
Colorado	1,155	1,826	58.1%	11	691	802	464	1,024
Connecticut	882	1,432	62.4%	10	882	1,432	---	---
Delaware	---	---	---	---	---	---	---	---
District of Columbia	2,051	2,127	3.7%	N.R.	2,051	2,127	---	---
Florida	3,454	6,064	75.6%	8	1,874	4,151	1,580	1,913
Georgia	1,522	3,112	104.5%	4	1,179	2,522	343	590
Hawaii	256	305	19.1%	30	256	305	---	---
Idaho	---	330	---	---	---	---	---	330
Illinois	5,640	5,838	3.5%	40	4,886	5,029	754	809
Indiana	1,300	2,155	65.8%	9	1,300	1,519	---	636
Iowa	1,525	1,545	1.3%	43	654	666	871	879
Kansas	740	875	18.2%	32	740	875	---	---
Kentucky	1,433	1,957	36.6%	19	1,129	1,408	304	549
Louisiana	2,027	2,195	8.3%	38	2,027	2,195	---	---
Maine	508	699	37.6%	17	---	---	508	699
Maryland	1,938	1,939	0.1%	44	1,938	1,939	---	---
Massachusetts	2,983	3,147	5.5%	39	2,983	3,147	---	---
Michigan	3,807	5,340	40.3%	16	2,739	4,089	1,068	1,251
Minnesota	1,107	1,514	36.8%	18	1,107	1,514	---	---
Mississippi	599	1,066	78.0%	6	489	659	110	407
Missouri	3,832	4,555	18.9%	31	2,146	2,297	1,686	2,258
Montana	---	---	---	---	---	---	---	---
Nebraska	1,037	1,226	18.2%	33	1,037	1,226	---	---
Nevada	781	1,160	48.5%	14	250	529	531	631
New Hampshire	374	415	11.0%	36	374	415	---	---
New Jersey	1,952	3,008	54.1%	12	1,442	2,227	510	781
New Mexico	347	1,069	208.1%	1	347	448	---	621
New York	9,667	11,669	20.7%	27	7,979	8,862	1,688	2,807
North Carolina	2,029	3,042	49.9%	13	2,029	2,415	0	627
North Dakota	252	301	19.4%	29	252	301	---	---
Ohio	4,648	5,462	17.5%	34	4,183	4,501	465	961
Oklahoma	1,040	1,019	-2.0%	45	681	672	359	347
Oregon	516	679	31.6%	22	516	679	---	---
Pennsylvania	7,496	8,300	10.7%	37	5,160	5,728	2,336	2,572
Puerto Rico	1,309	1,573	20.2%	N.R.	1,309	1,573	---	---
Rhode Island	426	624	46.5%	15	426	624	---	---
South Carolina	1,060	2,222	109.6%	3	1,060	1,583	---	639
South Dakota	227	279	22.9%	25	227	279	---	---
Tennessee	2,481	3,032	22.2%	26	1,861	1,949	620	1,083
Texas	6,613	8,457	27.9%	24	5,885	7,075	728	1,382
Utah	398	522	31.2%	23	398	522	---	---
Vermont	480	492	2.5%	42	480	492	---	---
Virginia	2,668	3,608	35.2%	20	1,949	2,268	719	1,340
Washington	1,165	2,048	75.8%	7	941	1,468	224	580
West Virginia	1,553	1,597	2.8%	41	742	791	811	806
Wisconsin	1,562	1,796	15.0%	35	1,562	1,796	---	---
Wyoming	---	---	---	---	---	---	---	---

Sources: 2020-2021 enrollment data from MD-granting schools are from the AAMC Student Records System (SRS) and are as of June 2021. 2010-2011 enrollment data from MD-granting schools are from the AAMC SRS and are as of June 2010. 2010-2011 and 2019-2020 enrollment data from DO-granting schools are from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of June 2020. July 1, 2019, population estimates are from the U.S. Census Bureau (released December 2019).

Note: N.R. = not ranked. --- Indicates that category is not applicable because some states do not have an MD-granting or a DO-granting school. California enrollment data for DO-granting schools include enrollment at Western University's Northwest campus in Lebanon, Oregon.

## 4

## Percentage of Students Matriculating in State, Academic Year 2020-2021



Source: AAMC Student Records System (SRS) as of July 2021.

Note: The data shown here are for students in MD-granting schools only. Students attending DO-granting schools are excluded.

**Figure 2.4.** Percentage of students matriculating in state, academic year 2020-2021.



**Table 2.4. Percentage of Students Matriculating to In-State, MD-Granting Schools, Academic Year 2020-2021**

	Matriculants to an MD-Granting School by State of Legal Residence	Medical Students Who Matriculated to an MD-Granting School in Their Legal State of Residence		
		Number	Percentage	Rank
United States	21,738	13,083	60.2%	N.R.
Alabama	267	222	83.1%	8
Alaska	32	---	---	---
Arizona	310	144	46.5%	35
Arkansas	199	165	82.9%	9
California	2,706	1,122	41.5%	37
Colorado	274	66	24.1%	43
Connecticut	297	139	46.8%	34
Delaware	56	---	---	---
District of Columbia	65	25	38.5%	N.R.
Florida	1,189	691	58.1%	29
Georgia	672	460	68.5%	21
Hawaii	106	63	59.4%	27
Idaho	84	---	---	---
Illinois	954	571	59.9%	26
Indiana	366	291	79.5%	11
Iowa	141	99	70.2%	18
Kansas	236	186	78.8%	13
Kentucky	331	288	87.0%	5
Louisiana	402	357	88.8%	3
Maine	46	---	---	---
Maryland	540	134	24.8%	42
Massachusetts	648	227	35.0%	40
Michigan	842	588	69.8%	19
Minnesota	412	201	48.8%	32
Mississippi	189	165	87.3%	4
Missouri	326	211	64.7%	24
Montana	61	---	---	---
Nebraska	152	129	84.9%	6
Nevada	148	61	41.2%	38
New Hampshire	48	6	12.5%	44
New Jersey	916	432	47.2%	33
New Mexico	113	90	79.6%	10
New York	1,618	1,095	67.7%	22
North Carolina	533	310	58.2%	28
North Dakota	55	38	69.1%	20
Ohio	735	541	73.6%	15
Oklahoma	194	153	78.9%	12
Oregon	194	103	53.1%	30
Pennsylvania	805	487	60.5%	25
Puerto Rico	349	336	96.3%	N.R.
Rhode Island	52	15	28.8%	41
South Carolina	318	283	89.0%	2
South Dakota	75	57	76.0%	14
Tennessee	347	248	71.5%	16
Texas	1,852	1,556	84.0%	7
Utah	239	89	37.2%	39
Vermont	51	36	70.6%	17
Virginia	563	259	46.0%	36
Washington	425	215	50.6%	31
West Virginia	147	134	91.2%	1
Wisconsin	375	253	67.5%	23
Wyoming	32	---	---	---

Source: AAMC Student Records System (SRS) as of June 2021.

Notes: N.R. = not ranked. --- Indicates that category is not applicable because some states do not have a medical school. The data shown here are for students in MD-granting schools only. Students attending DO-granting schools are excluded.

## Section III: Graduate Medical Education (GME)

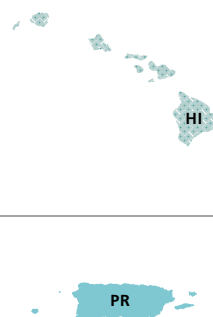
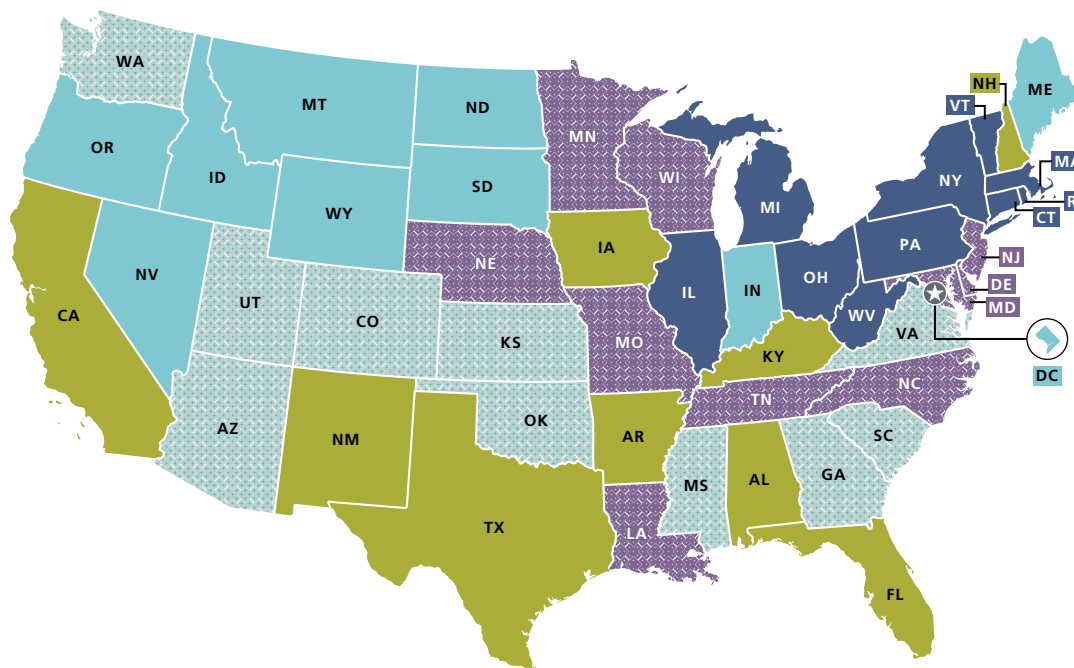
### KEY FINDINGS

In 2014, the ACGME, American Osteopathic Association (AOA), and American Association of Colleges of Osteopathic Medicine (AACOM) began the process to become a single graduate medical education accreditation system in the United States. The transition to a single GME accreditation system was completed in 2020. GME data for this report reflects the new single accreditation system.

- In 2020, every state in the United States had at least one ACGME-accredited GME program. The number of residents and fellows in ACGME-accredited training programs per 100,000 population varied widely across the United States, from a low of 5.1 in Alaska to a high of 95.4 in New York (refer to Map 3.1, Figure 3.1, and Table 3.1). The national average was 43.8 residents and fellows per 100,000 population.
- There were 16.1 residents and fellows in primary care programs accredited by the ACGME per 100,000 population in the United States in 2020. There was a wide range among the states, with the highest numbers of residents and fellows in primary care GME programs per 100,000 population primarily in the Northeast and Midwest (refer to Map 3.2, Figure 3.2, and Table 3.2).
- Nationally, about one-quarter (23.0%) of the residents and fellows in ACGME training programs were IMGs in 2020. The percentage varied widely across the states. Colorado (4.7%) and Alaska (5.4%) had the lowest percentages of IMG residents. At the other end of the spectrum, almost half of the residents and fellows in North Dakota (42.3%) and New Jersey (45.0%) were IMGs (refer to Figure 3.3 and Table 3.3).
- In 2020, there were more residents and fellows in ACGME and OGME programs than there were students in MD- and DO-granting schools in the United States, due to the presence of IMGs. The ratio of total GME residents and fellows to total UME students was 1.2. However, many states had fewer residents and fellows than medical students, and the state median ratio of GME to UME was 1.04. The ratio of GME residents and fellows to UME students was lowest in Maine (0.4) (refer to Map 3.4, Figure 3.4, and Table 3.4).
- Between 2010 and 2020, the number of residents and fellows in ACGME programs increased by 30,743 (27.2%). Most states saw an increase over that period in the number of residents and fellows, except Hawaii (-2.4%) and Maine (-1.0%) (refer to Map 3.5.1, Figure 3.5, and Table 3.5). The rate of change varied widely by state, as can be seen in Map 3.5.2, Figure 3.5, and Table 3.5.

1

## Residents and Fellows on Duty as of Dec. 31, 2020, in ACGME-Accredited Programs per 100,000 Population by Degree Type



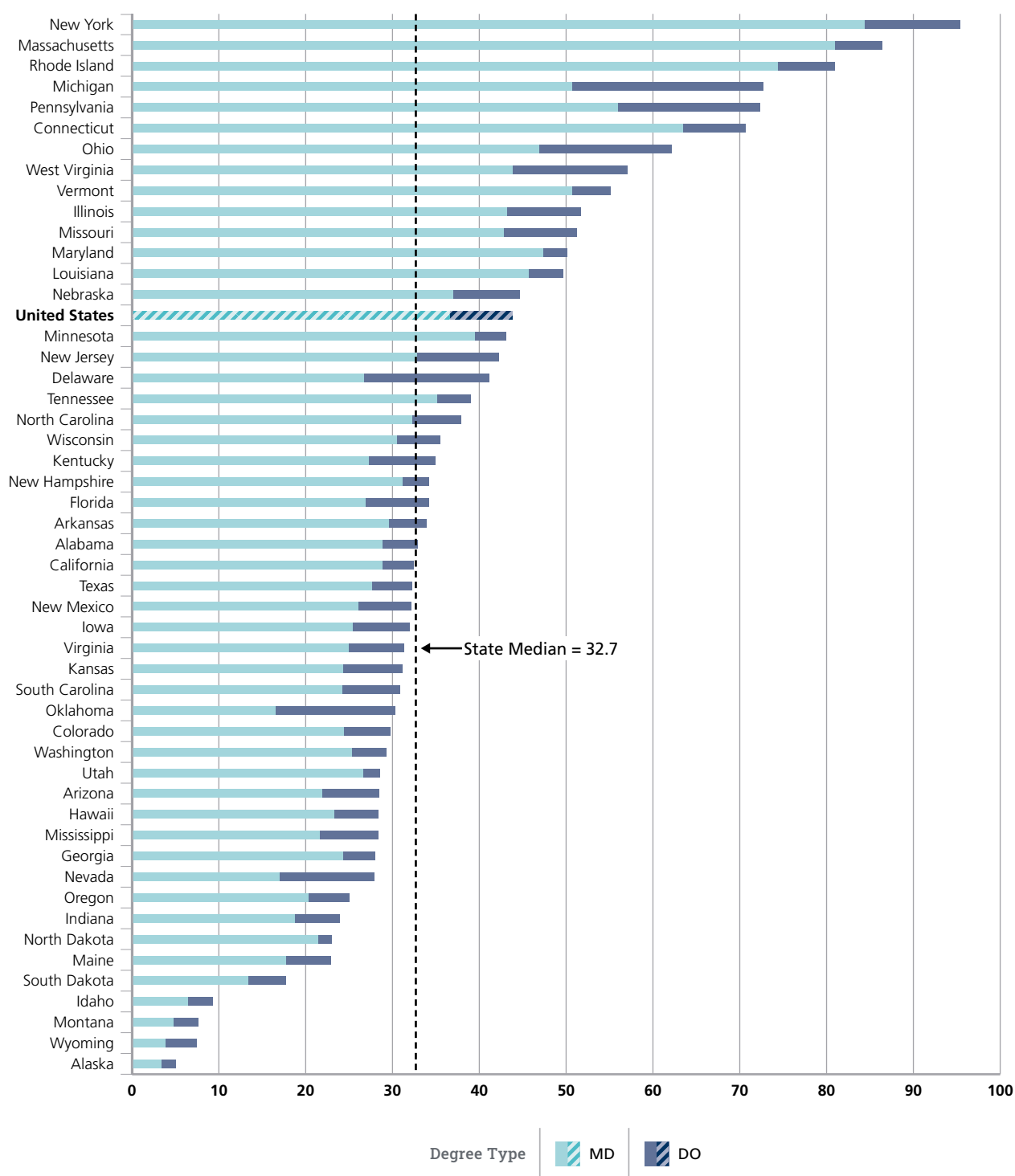
### Key

- 5.1 to 27.9
- 28.0 to 31.3
- 31.4 to 35.4
- 35.5 to 51.6
- 51.7 to 95.4

Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released Dec. 31, 2019). Resident physician data are from the National GME Census in GME Track® as of September 2021.

Note: Number ranges in the key are rounded; states that fall between ranges are shaded according to the closest range.

**Map 3.1.** Residents and fellows on duty as of Dec. 31, 2020, in ACGME-accredited programs per 100,000 population.



Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released Dec. 31, 2019). Resident physician data are from the National GME Census in GME Track® as of September 2021.

**Figure 3.1. Residents and fellows on duty as of Dec. 31, 2020, in ACGME-accredited programs per 100,000 population by degree type.**

**Table 3.1. Residents and Fellows on Duty as of Dec. 31, 2020, in ACGME-Accredited Programs per 100,000 Population by Degree Type**

	Total Population	Total Residents/Fellows in ACGME Programs			MDs in ACGME Programs*		DOs in ACGME Programs	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	328,239,523	143,840	43.8	N.R.	120,188	36.6	23,652	7.2
Alabama	4,903,185	1,613	32.9	25	1,415	28.9	198	4.0
Alaska	731,545	37	5.1	50	25	3.4	12	1.6
Arizona	7,278,717	2,071	28.5	37	1,595	21.9	476	6.5
Arkansas	3,017,804	1,024	33.9	24	892	29.6	132	4.4
California	39,512,223	12,823	32.5	26	11,406	28.9	1,417	3.6
Colorado	5,758,736	1,716	29.8	34	1,403	24.4	313	5.4
Connecticut	3,565,287	2,518	70.6	6	2,263	63.5	255	7.2
Delaware	973,764	401	41.2	17	260	26.7	141	14.5
District of Columbia	705,749	1,731	245.3	N.R.	1,634	231.5	97	13.7
Florida	21,477,737	7,341	34.2	23	5,776	26.9	1,565	7.3
Georgia	10,617,423	2,978	28.0	40	2,578	24.3	400	3.8
Hawaii	1,415,872	402	28.4	38	330	23.3	72	5.1
Idaho	1,787,065	166	9.3	47	115	6.4	51	2.9
Illinois	12,671,821	6,548	51.7	10	5,475	43.2	1,073	8.5
Indiana	6,732,219	1,608	23.9	43	1,262	18.7	346	5.1
Iowa	3,155,070	1,008	31.9	29	803	25.5	205	6.5
Kansas	2,913,314	907	31.1	31	708	24.3	199	6.8
Kentucky	4,467,673	1,559	34.9	21	1,218	27.3	341	7.6
Louisiana	4,648,794	2,307	49.6	13	2,125	45.7	182	3.9
Maine	1,344,212	308	22.9	45	238	17.7	70	5.2
Maryland	6,045,680	3,031	50.1	12	2,865	47.4	166	2.7
Massachusetts	6,892,503	5,958	86.4	2	5,578	80.9	380	5.5
Michigan	9,986,857	7,263	72.7	4	5,065	50.7	2,198	22.0
Minnesota	5,639,632	2,428	43.1	15	2,227	39.5	201	3.6
Mississippi	2,976,149	844	28.4	39	642	21.6	202	6.8
Missouri	6,137,428	3,144	51.2	11	2,627	42.8	517	8.4
Montana	1,068,778	81	7.6	48	51	4.8	30	2.8
Nebraska	1,934,408	863	44.6	14	716	37.0	147	7.6
Nevada	3,080,156	860	27.9	41	523	17.0	337	10.9
New Hampshire	1,359,711	465	34.2	22	423	31.1	42	3.1
New Jersey	8,882,190	3,756	42.3	16	2,911	32.8	845	9.5
New Mexico	2,096,829	674	32.1	28	547	26.1	127	6.1
New York	19,453,561	18,561	95.4	1	16,411	84.4	2,150	11.1
North Carolina	10,488,084	3,971	37.9	19	3,385	32.3	586	5.6
North Dakota	762,062	175	23.0	44	163	21.4	12	1.6
Ohio	11,689,100	7,270	62.2	7	5,478	46.9	1,792	15.3
Oklahoma	3,956,971	1,201	30.4	33	653	16.5	548	13.8
Oregon	4,217,737	1,057	25.1	42	858	20.3	199	4.7
Pennsylvania	12,801,989	9,259	72.3	5	7,168	56.0	2,091	16.3
Puerto Rico	3,193,694	847	26.5	N.R.	847	26.5	0	0.0
Rhode Island	1,059,361	857	80.9	3	788	74.4	69	6.5
South Carolina	5,148,714	1,588	30.8	32	1,247	24.2	341	6.6
South Dakota	884,659	157	17.7	46	118	13.3	39	4.4
Tennessee	6,829,174	2,666	39.0	18	2,401	35.2	265	3.9
Texas	28,995,881	9,342	32.2	27	8,017	27.6	1,325	4.6
Utah	3,205,958	915	28.5	36	852	26.6	63	2.0
Vermont	623,989	344	55.1	9	316	50.6	28	4.5
Virginia	8,535,519	2,678	31.4	30	2,127	24.9	551	6.5
Washington	7,614,893	2,234	29.3	35	1,925	25.3	309	4.1
West Virginia	1,792,147	1,023	57.1	8	785	43.8	238	13.3
Wisconsin	5,822,434	2,066	35.5	20	1,778	30.5	288	4.9
Wyoming	578,759	43	7.4	49	22	3.8	21	3.6

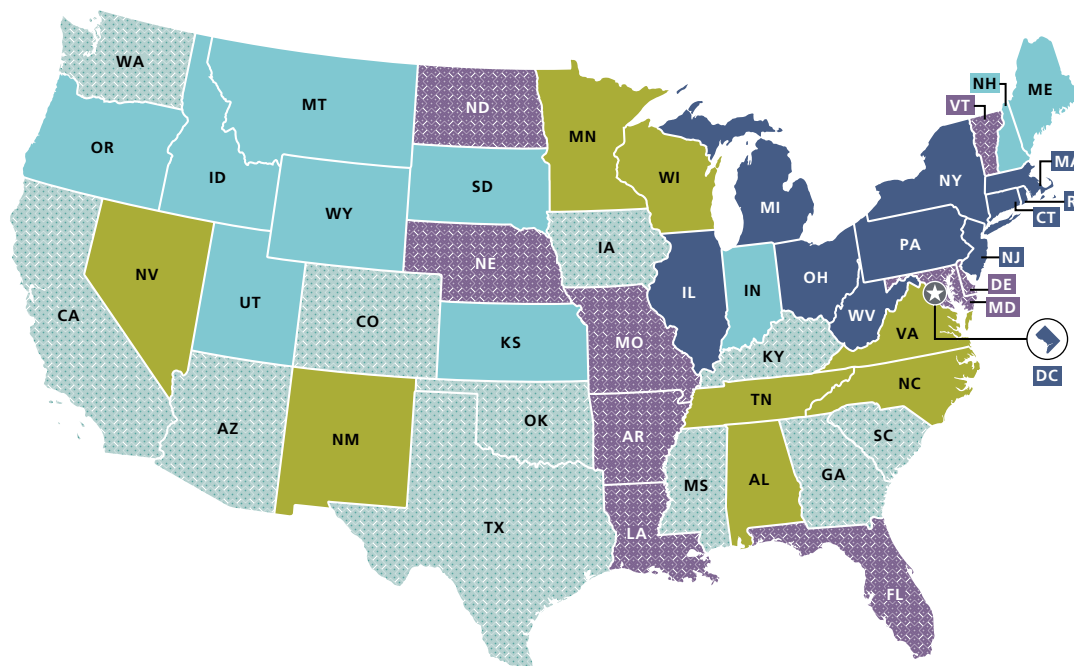
Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released Dec. 31, 2019). Resident physician data are from the National GME Census in GME Track® as of September 2021.

Note: N.R. = not ranked.

\*Includes MDs from international medical schools.

2

## Residents and Fellows on Duty as of Dec. 31, 2020, in ACGME-Accredited Primary Care Programs per 100,000 Population by Degree Type



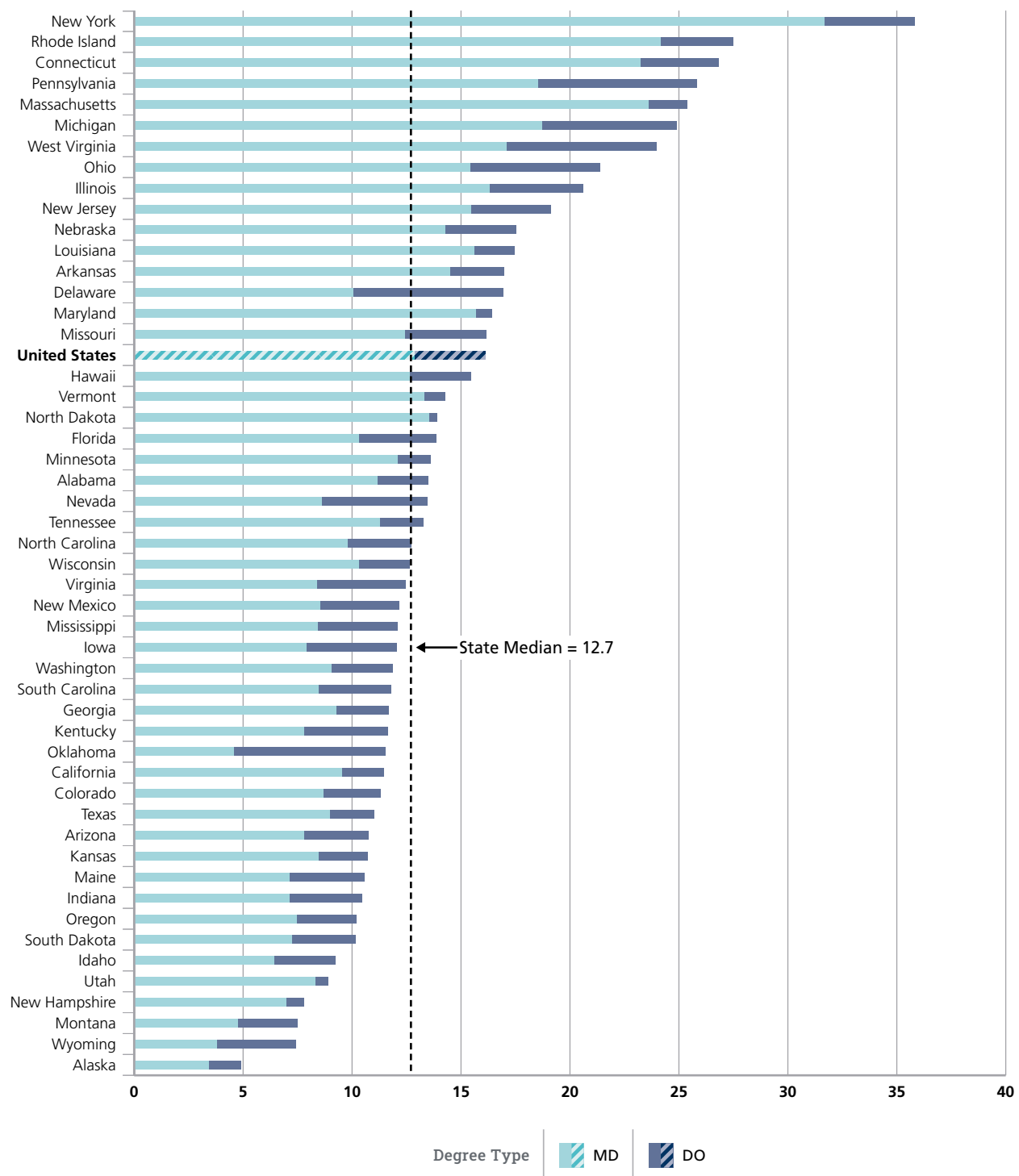
### Key



Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released Dec. 31, 2019). Resident physician data are from the National GME Census in GME Track® as of September 2021.

Note: Number ranges in the key are rounded; states that fall between ranges are shaded according to the closest range.

**Map 3.2.** Residents and fellows on duty as of Dec. 31, 2020, in ACGME-accredited primary care programs per 100,000 population.



Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released Dec. 31, 2019). Resident physician data are from the National GME Census in GME Track® as of September 2021.

**Figure 3.2.** Residents and fellows on duty as of Dec. 31, 2020, in ACGME-accredited primary care programs per 100,000 population by degree type.

**Table 3.2.** Residents and Fellows on Duty as of Dec. 31, 2020, in ACGME-Accredited Primary Care Programs per 100,000 Population by Degree Type

	Total Population	Total Residents in Primary Care ACGME Programs			MDs in Primary Care ACGME Programs*		DOs in Primary Care ACGME Programs	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	328,239,523	52,888	16.1	N.R.	42,142	12.8	10,746	3.3
Alabama	4,903,185	662	13.5	22	547	11.2	115	2.3
Alaska	731,545	36	4.9	50	25	3.4	11	1.5
Arizona	7,278,717	783	10.8	39	566	7.8	217	3.0
Arkansas	3,017,804	512	17.0	13	437	14.5	75	2.5
California	39,512,223	4,533	11.5	36	3,763	9.5	770	1.9
Colorado	5,758,736	652	11.3	37	499	8.7	153	2.7
Connecticut	3,565,287	957	26.8	3	829	23.3	128	3.6
Delaware	973,764	165	16.9	14	98	10.1	67	6.9
District of Columbia	705,749	529	75.0	N.R.	507	71.8	22	3.1
Florida	21,477,737	2,976	13.9	20	2,216	10.3	760	3.5
Georgia	10,617,423	1,241	11.7	33	983	9.3	258	2.4
Hawaii	1,415,872	219	15.5	17	179	12.6	40	2.8
Idaho	1,787,065	165	9.2	45	115	6.4	50	2.8
Illinois	12,671,821	2,609	20.6	9	2,067	16.3	542	4.3
Indiana	6,732,219	703	10.4	42	481	7.1	222	3.3
Iowa	3,155,070	380	12.0	30	250	7.9	130	4.1
Kansas	2,913,314	312	10.7	40	247	8.5	65	2.2
Kentucky	4,467,673	521	11.7	34	349	7.8	172	3.8
Louisiana	4,648,794	812	17.5	12	726	15.6	86	1.8
Maine	1,344,212	142	10.6	41	96	7.1	46	3.4
Maryland	6,045,680	992	16.4	15	949	15.7	43	0.7
Massachusetts	6,892,503	1,749	25.4	5	1,627	23.6	122	1.8
Michigan	9,986,857	2,489	24.9	6	1,868	18.7	621	6.2
Minnesota	5,639,632	766	13.6	21	682	12.1	84	1.5
Mississippi	2,976,149	359	12.1	29	251	8.4	108	3.6
Missouri	6,137,428	992	16.2	16	763	12.4	229	3.7
Montana	1,068,778	80	7.5	48	51	4.8	29	2.7
Nebraska	1,934,408	339	17.5	11	276	14.3	63	3.3
Nevada	3,080,156	415	13.5	23	265	8.6	150	4.9
New Hampshire	1,359,711	106	7.8	47	95	7.0	11	0.8
New Jersey	8,882,190	1,699	19.1	10	1,372	15.4	327	3.7
New Mexico	2,096,829	255	12.2	28	179	8.5	76	3.6
New York	19,453,561	6,970	35.8	1	6,165	31.7	805	4.1
North Carolina	10,488,084	1,334	12.7	25	1,029	9.8	305	2.9
North Dakota	762,062	106	13.9	19	103	13.5	3	0.4
Ohio	11,689,100	2,499	21.4	8	1,802	15.4	697	6.0
Oklahoma	3,956,971	456	11.5	35	181	4.6	275	6.9
Oregon	4,217,737	430	10.2	43	315	7.5	115	2.7
Pennsylvania	12,801,989	3,306	25.8	4	2,373	18.5	933	7.3
Puerto Rico	3,193,694	395	12.4	N.R.	395	12.4	---	---
Rhode Island	1,059,361	291	27.5	2	256	24.2	35	3.3
South Carolina	5,148,714	607	11.8	32	435	8.4	172	3.3
South Dakota	884,659	90	10.2	44	64	7.2	26	2.9
Tennessee	6,829,174	906	13.3	24	771	11.3	135	2.0
Texas	28,995,881	3,194	11.0	38	2,608	9.0	586	2.0
Utah	3,205,958	285	8.9	46	267	8.3	18	0.6
Vermont	623,989	89	14.3	18	83	13.3	6	1.0
Virginia	8,535,519	1,062	12.4	27	716	8.4	346	4.1
Washington	7,614,893	904	11.9	31	688	9.0	216	2.8
West Virginia	1,792,147	430	24.0	7	306	17.1	124	6.9
Wisconsin	5,822,434	736	12.6	26	600	10.3	136	2.3
Wyoming	578,759	43	7.4	49	22	3.8	21	3.6

Sources: July 1, 2019, population estimates are from the U.S. Census Bureau (released Dec. 31, 2019). Resident physician data are from the National GME Census in GME Track® as of September 2021.

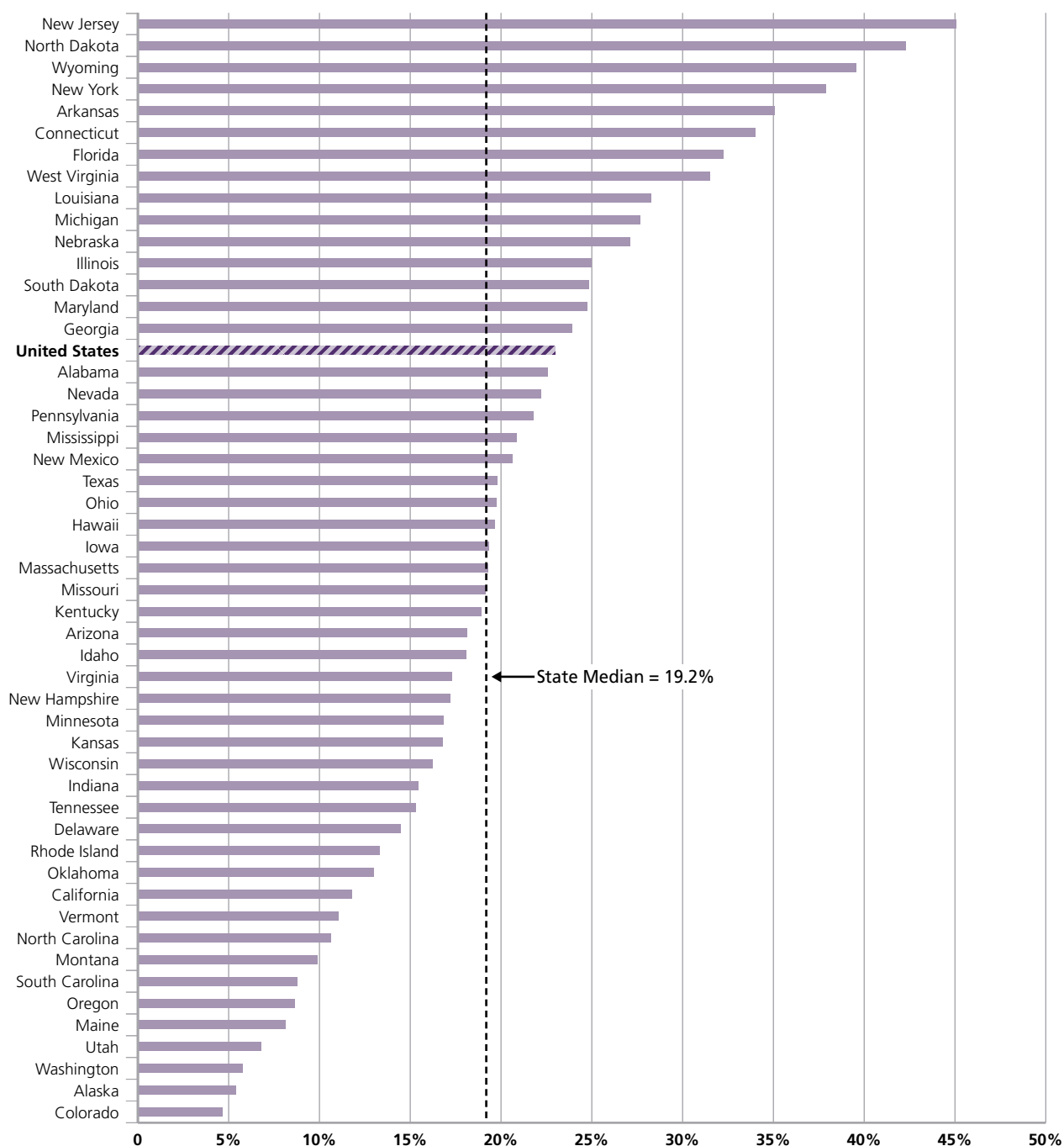
Notes: N.R. = not ranked. --- Indicates that category is not applicable because some states do not have an MD-granting or a DO-granting school.

\*Includes MDs from international medical schools.



## 3

## Residents and Fellows on Duty as of Dec. 31, 2020, in ACGME-Accredited Programs by School Type



Source: National GME Census in GME Track® as of September 2021.

**Figure 3.3.** Percentage of residents and fellows on duty as of Dec. 31, 2020, in ACGME-accredited programs who are international medical graduates (IMGs).

**Table 3.3. Residents and Fellows on Duty as of Dec. 31, 2020, in ACGME-Accredited Programs by School Type**

	Total Residents/ Fellows*	U.S. MD		U.S. DO		IMG		
		Number	Percentage	Number	Percentage	Number	Percentage	Rank
United States	143,840	87,032	60.5%	23,652	16.4%	33,044	23.0%	N.R.
Alabama	1,613	1,050	65.1%	198	12.3%	364	22.6%	16
Alaska	37	23	62.2%	12	32.4%	2	5.4%	49
Arizona	2,071	1,219	58.9%	476	23.0%	375	18.1%	28
Arkansas	1,024	533	52.1%	132	12.9%	359	35.1%	5
California	12,823	9,875	77.0%	1,417	11.1%	1,511	11.8%	40
Colorado	1,716	1,323	77.1%	313	18.2%	80	4.7%	50
Connecticut	2,518	1,406	55.8%	255	10.1%	856	34.0%	6
Delaware	401	202	50.4%	141	35.2%	58	14.5%	37
District of Columbia	1,731	1,154	66.7%	97	5.6%	480	27.7%	N.R.
Florida	7,341	3,410	46.5%	1,565	21.3%	2,365	32.2%	7
Georgia	2,978	1,864	62.6%	400	13.4%	712	23.9%	15
Hawaii	402	251	62.4%	72	17.9%	79	19.7%	23
Idaho	166	85	51.2%	51	30.7%	30	18.1%	29
Illinois	6,548	3,839	58.6%	1,073	16.4%	1,636	25.0%	12
Indiana	1,608	1,014	63.1%	346	21.5%	248	15.4%	35
Iowa	1,008	608	60.3%	205	20.3%	195	19.3%	24
Kansas	907	556	61.3%	199	21.9%	152	16.8%	33
Kentucky	1,559	923	59.2%	341	21.9%	295	18.9%	27
Louisiana	2,307	1,471	63.8%	182	7.9%	652	28.3%	9
Maine	308	213	69.2%	70	22.7%	25	8.1%	46
Maryland	3,031	2,108	69.5%	166	5.5%	750	24.7%	14
Massachusetts	5,958	4,403	73.9%	380	6.4%	1,149	19.3%	25
Michigan	7,263	3,057	42.1%	2,198	30.3%	2,007	27.6%	10
Minnesota	2,428	1,813	74.7%	201	8.3%	409	16.8%	32
Mississippi	844	466	55.2%	202	23.9%	176	20.9%	19
Missouri	3,144	2,024	64.4%	517	16.4%	601	19.1%	26
Montana	81	43	53.1%	30	37.0%	8	9.9%	43
Nebraska	863	482	55.9%	147	17.0%	234	27.1%	11
Nevada	860	332	38.6%	337	39.2%	191	22.2%	17
New Hampshire	465	343	73.8%	42	9.0%	80	17.2%	31
New Jersey	3,756	1,218	32.4%	845	22.5%	1,692	45.0%	1
New Mexico	674	408	60.5%	127	18.8%	139	20.6%	20
New York	18,561	9,370	50.5%	2,150	11.6%	7,028	37.9%	4
North Carolina	3,971	2,960	74.5%	586	14.8%	421	10.6%	42
North Dakota	175	89	50.9%	12	6.9%	74	42.3%	2
Ohio	7,270	4,040	55.6%	1,792	24.6%	1,436	19.8%	22
Oklahoma	1,201	496	41.3%	548	45.6%	156	13.0%	39
Oregon	1,057	767	72.6%	199	18.8%	91	8.6%	45
Pennsylvania	9,259	5,147	55.6%	2,091	22.6%	2,015	21.8%	18
Puerto Rico	847	539	63.6%	0	0.0%	308	36.4%	N.R.
Rhode Island	857	673	78.5%	69	8.1%	114	13.3%	38
South Carolina	1,588	1,108	69.8%	341	21.5%	139	8.8%	44
South Dakota	157	79	50.3%	39	24.8%	39	24.8%	13
Tennessee	2,666	1,991	74.7%	265	9.9%	408	15.3%	36
Texas	9,342	6,163	66.0%	1,325	14.2%	1,847	19.8%	21
Utah	915	787	86.0%	63	6.9%	62	6.8%	47
Vermont	344	278	80.8%	28	8.1%	38	11.0%	41
Virginia	2,678	1,664	62.1%	551	20.6%	463	17.3%	30
Washington	2,234	1,795	80.3%	309	13.8%	129	5.8%	48
West Virginia	1,023	463	45.3%	238	23.3%	322	31.5%	8
Wisconsin	2,066	1,441	69.7%	288	13.9%	335	16.2%	34
Wyoming	43	5	11.6%	21	48.8%	17	39.5%	3

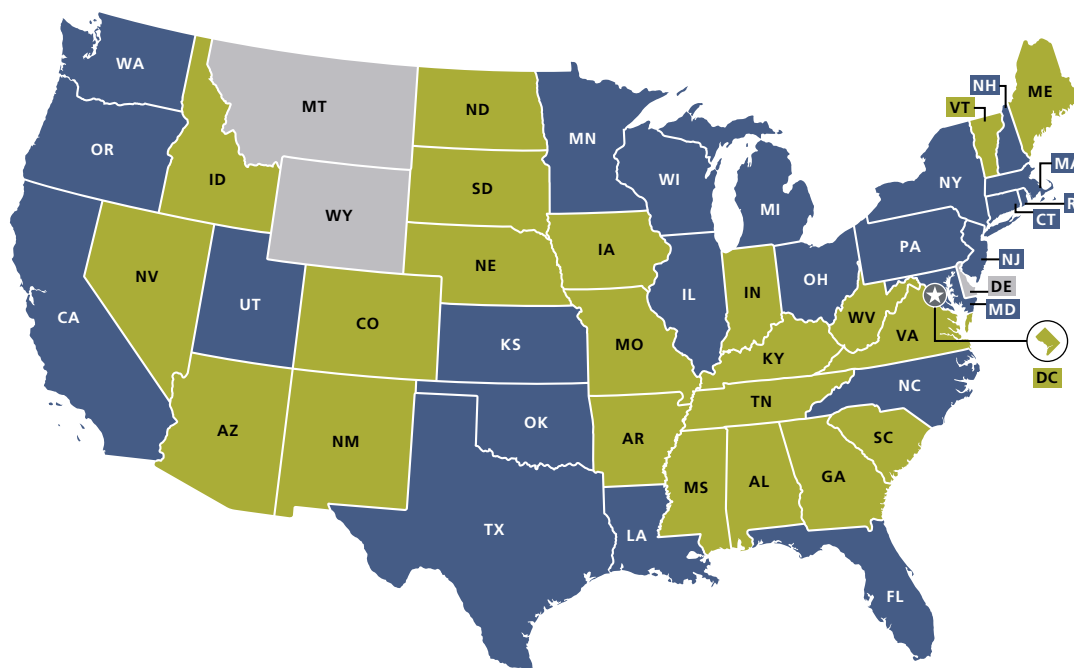
Source: National GME Census in GME Track® as of September 2021.

Notes: N.R. = not ranked. --- Indicates that category is not applicable because some states do not have an MD-granting or a DO-granting school.

\*Physicians who are graduates of Canadian schools (n = 112) are included in the total.

## 4

## Ratio of Graduate Medical Education (GME) to Undergraduate Medical Education (UME), Academic Years 2019-2020 and 2020-2021



## Key

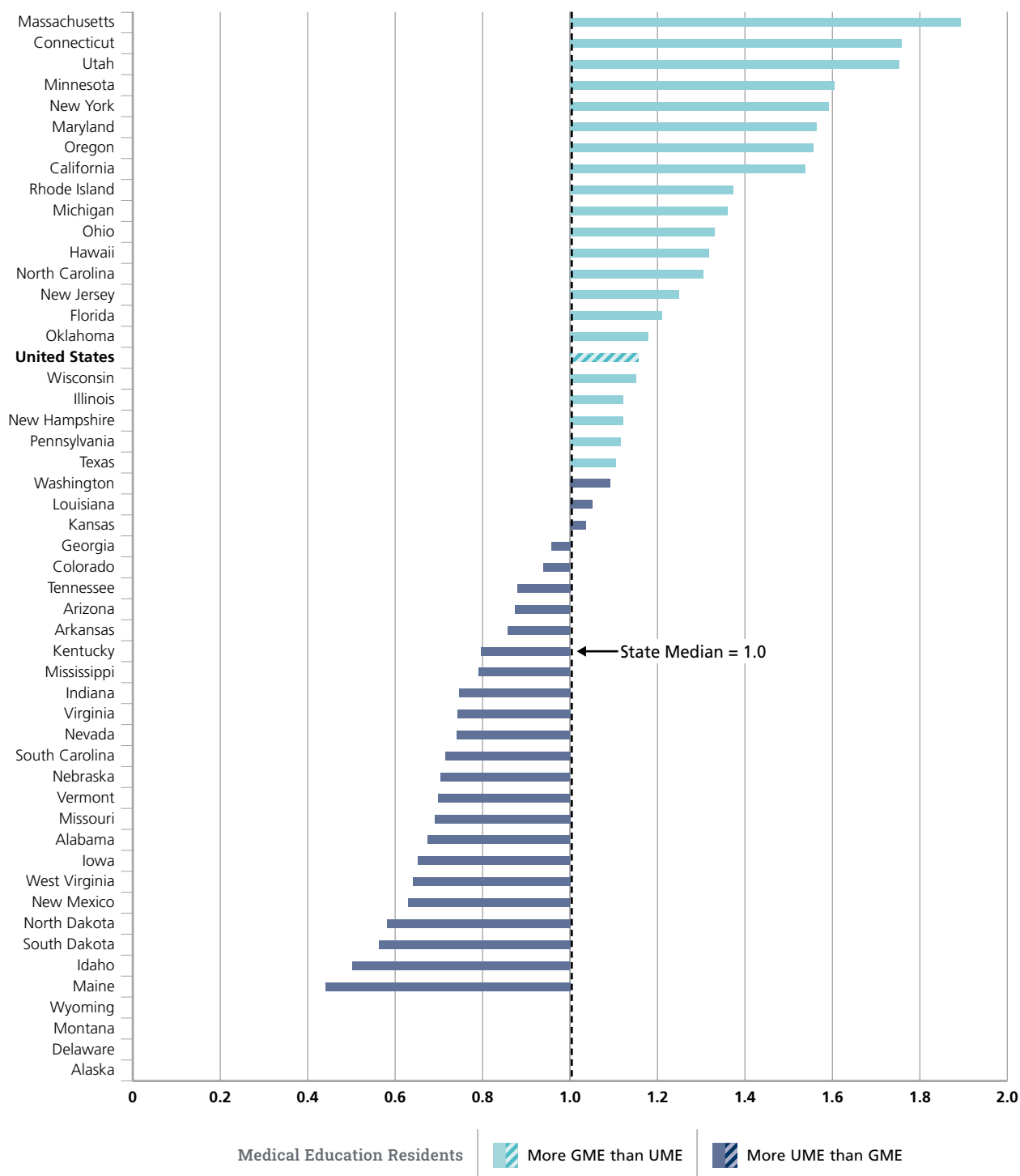
■ No MD- or DO-granting school

■ More UME than GME

■ More GME than UME

Sources: Enrollment data from MD-granting schools are from the AAMC FACTS tables and are for academic year 2020-2021, as of June 2021. Enrollment data from DO-granting schools are from the American Association of Colleges of Osteopathic Medicine (AACOM) and are for academic year 2019-2020, as of June 2020. Data for residents in Accreditation Council for Graduate Medical Education (ACGME) programs and for Osteopathic Graduate Medical Education (OGME) programs are from the National GME Census in GME Track® as of September 2021. Note: Number ranges in the key are rounded; states that fall between ranges are shaded according to the closest range.

**Map 3.4.** Ratio of graduate medical education (GME) residents and fellows to undergraduate medical education (UME) students, academic years 2019-2020 and 2020-2021.



Sources: Enrollment data from MD-granting schools are from the AAMC FACTS tables as of June 2021. Enrollment data from DO-granting schools are from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of June 2020. Data for residents in Accreditation Council for Graduate Medical Education (ACGME) programs and for Osteopathic Graduate Medical Education (OGME) programs are from the National GME Census in GME Track® as of September 2021. Data used are the most recent data available.

Note: California UME enrollment data for DO-granting schools includes enrollment at Western University's Northwest campus in Lebanon, Oregon.

**Figure 3.4.** Ratio of graduate medical education (GME) residents and fellows to undergraduate medical education (UME) students, academic years 2019-2020 and 2020-2021.

**Table 3.4. Ratio of Graduate Medical Education (GME) Residents and Fellows to Undergraduate Medical Education (UME) Students, Academic Years 2019-2020 and 2020-2021**

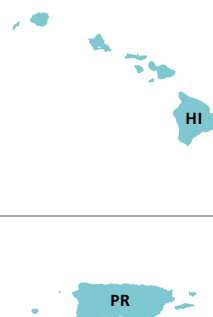
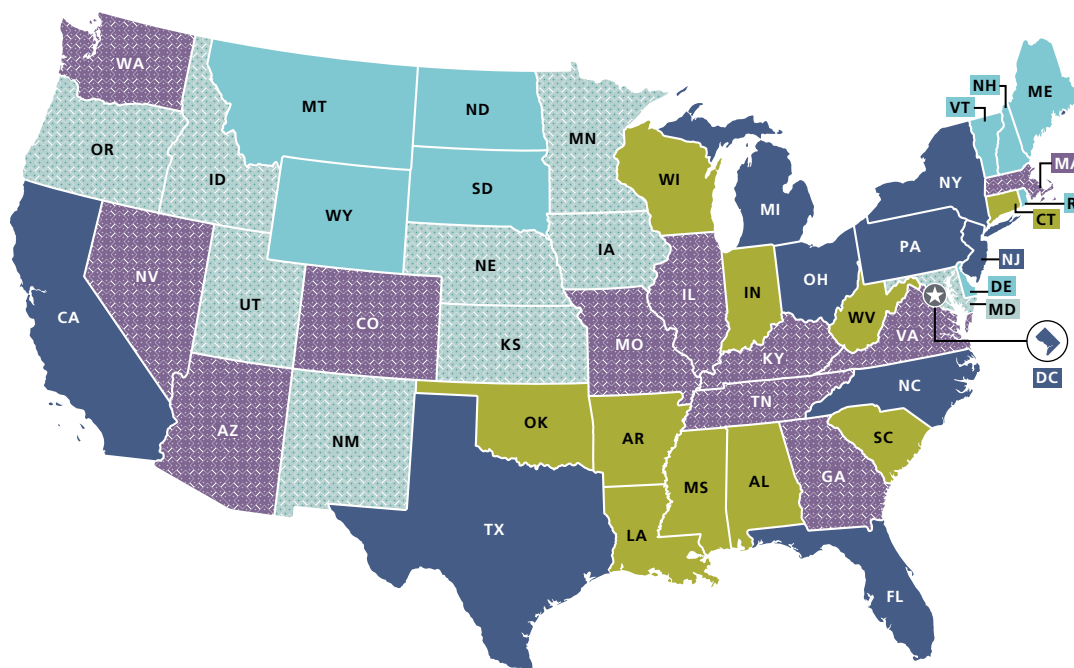
	Students Enrolled in UME			Residents and Fellows in GME			GME-to-UME Ratio	Rank
	Total	MD-Granting School	DO-Granting School	Total	ACGME Programs	OGME Programs		
United States	124,333	92,670	31,663	143,840	120,188	23,652	1.2	N.R.
Alabama	2,391	1,098	1,293	1,613	1,415	198	0.7	39
Alaska	---	---	---	37	25	12	---	---
Arizona	2,366	867	1,499	2,071	1,595	476	0.9	28
Arkansas	1,193	720	473	1,024	892	132	0.9	29
California	8,335	6,459	1,876	12,823	11,406	1,417	1.5	8
Colorado	1,826	802	1,024	1,716	1,403	313	0.9	26
Connecticut	1,432	1,432	---	2,518	2,263	255	1.8	2
Delaware	---	---	---	401	260	141	---	---
District of Columbia	2,127	2,127	---	1,731	1,634	97	1	N.R.
Florida	6,064	4,151	1,913	7,341	5,776	1,565	1.2	15
Georgia	3,112	2,522	590	2,978	2,578	400	1.0	25
Hawaii	305	305	---	402	330	72	1.3	12
Idaho	330	---	330	166	115	51	1	45
Illinois	5,838	5,029	809	6,548	5,475	1,073	1.1	18
Indiana	2,155	1,519	636	1,608	1,262	346	0.7	32
Iowa	1,545	666	879	1,008	803	205	0.7	40
Kansas	875	875	---	907	708	199	1	24
Kentucky	1,957	1,408	549	1,559	1,218	341	0.8	30
Louisiana	2,195	2,195	---	2,307	2,125	182	1.1	23
Maine	699	---	699	308	238	70	0.4	46
Maryland	1,939	1,939	---	3,031	2,865	166	2	6
Massachusetts	3,147	3,147	---	5,958	5,578	380	1.9	1
Michigan	5,340	4,089	1,251	7,263	5,065	2,198	1.4	10
Minnesota	1,514	1,514	---	2,428	2,227	201	1.6	4
Mississippi	1,066	659	407	844	642	202	0.8	31
Missouri	4,555	2,297	2,258	3,144	2,627	517	0.7	38
Montana	---	---	---	81	51	30	---	---
Nebraska	1,226	1,226	---	863	716	147	0.7	36
Nevada	1,160	529	631	860	523	337	0.7	34
New Hampshire	415	415	---	465	423	42	1.1	19
New Jersey	3,008	2,227	781	3,756	2,911	845	1.2	14
New Mexico	1,069	448	621	674	547	127	0.6	42
New York	11,669	8,862	2,807	18,561	16,411	2,150	1.6	5
North Carolina	3,042	2,415	627	3,971	3,385	586	1.3	13
North Dakota	301	301	---	175	163	12	0.6	43
Ohio	5,462	4,501	961	7,270	5,478	1,792	1.3	11
Oklahoma	1,019	672	347	1,201	653	548	1.2	16
Oregon	679	679	---	1,057	858	199	1.6	7
Pennsylvania	8,300	5,728	2,572	9,259	7,168	2,091	1.1	20
Puerto Rico	1,573	1,573	---	847	847	---	0.5	N.R.
Rhode Island	624	624	---	857	788	69	1	9
South Carolina	2,222	1,583	639	1,588	1,247	341	0.7	35
South Dakota	279	279	---	157	118	39	0.6	44
Tennessee	3,032	1,949	1,083	2,666	2,401	265	0.9	27
Texas	8,457	7,075	1,382	9,342	8,017	1,325	1.1	21
Utah	522	522	---	915	852	63	1.8	3
Vermont	492	492	---	344	316	28	0.7	37
Virginia	3,608	2,268	1,340	2,678	2,127	551	0.7	33
Washington	2,048	1,468	580	2,234	1,925	309	1.1	22
West Virginia	1,597	791	806	1,023	785	238	0.6	41
Wisconsin	1,796	1,796	---	2,066	1,778	288	1.2	17
Wyoming	---	---	---	43	22	21	---	---

Sources: Enrollment data from MD-granting schools are from the AAMC FACTS tables as of June 2021. Enrollment data from DO-granting schools are from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of June 2020. Data for residents in Accreditation Council for Graduate Medical Education (ACGME) programs and for Osteopathic Graduate Medical Education (OGME) programs are from the National GME Census in GME Track® as of September 2021.

Notes: N.R. = not ranked. --- Indicates that category is not applicable because some states did not have a school or a GME program in the 2019-2020 or 2020-2021 academic year. California UME enrollment data for DO-granting schools includes enrollment at Western University's Northwest campus in Lebanon, Oregon.

## 5

## Change in Number of Residents and Fellows in ACGME-Accredited Programs, 2010-2020



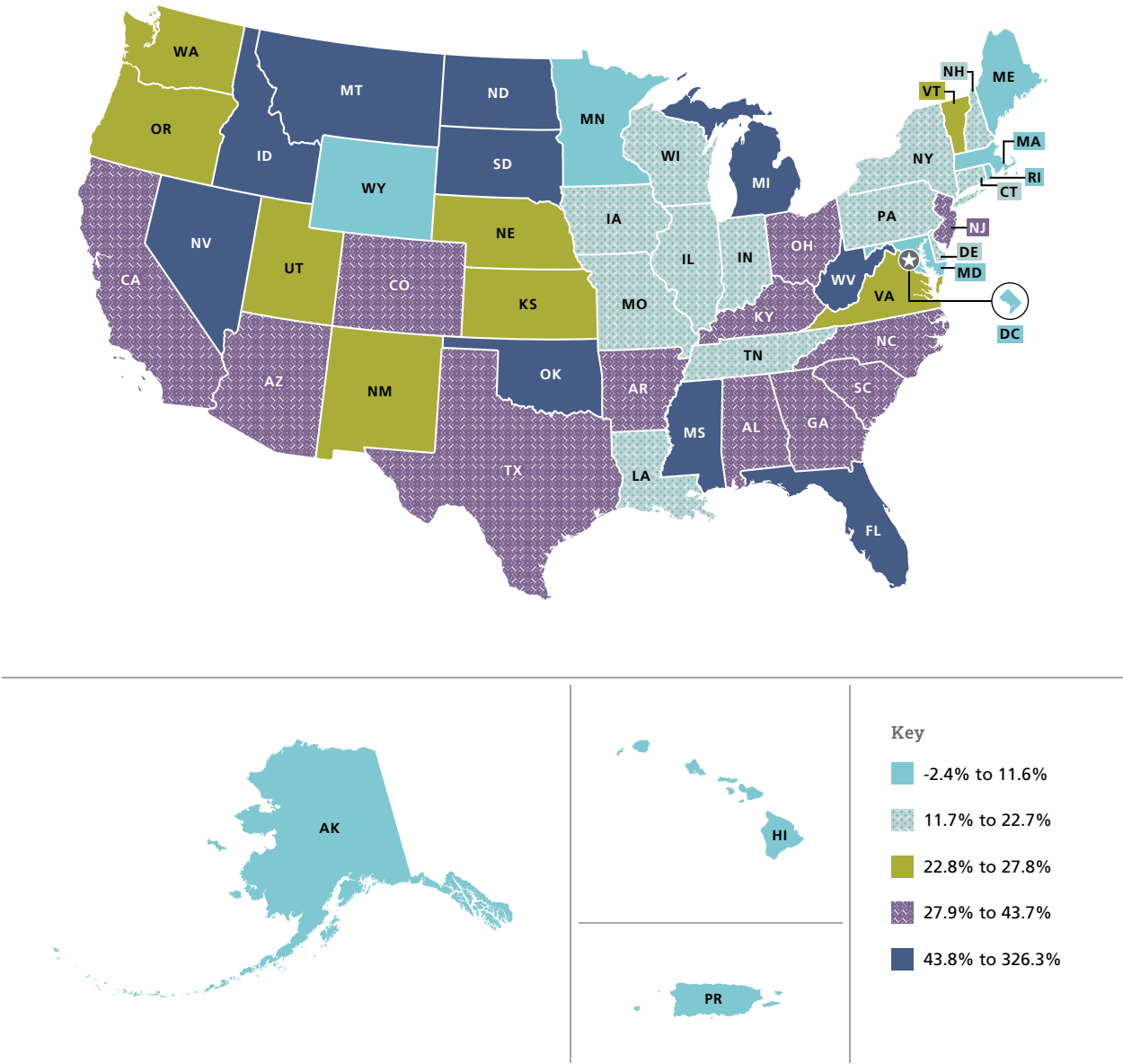
## Key

- 10 to 77
- 78 to 215
- 216 to 420
- 421 to 890
- 891 to 30,743

Source: 2010 and 2020 National GME Census in GME Track® as of September 2021.

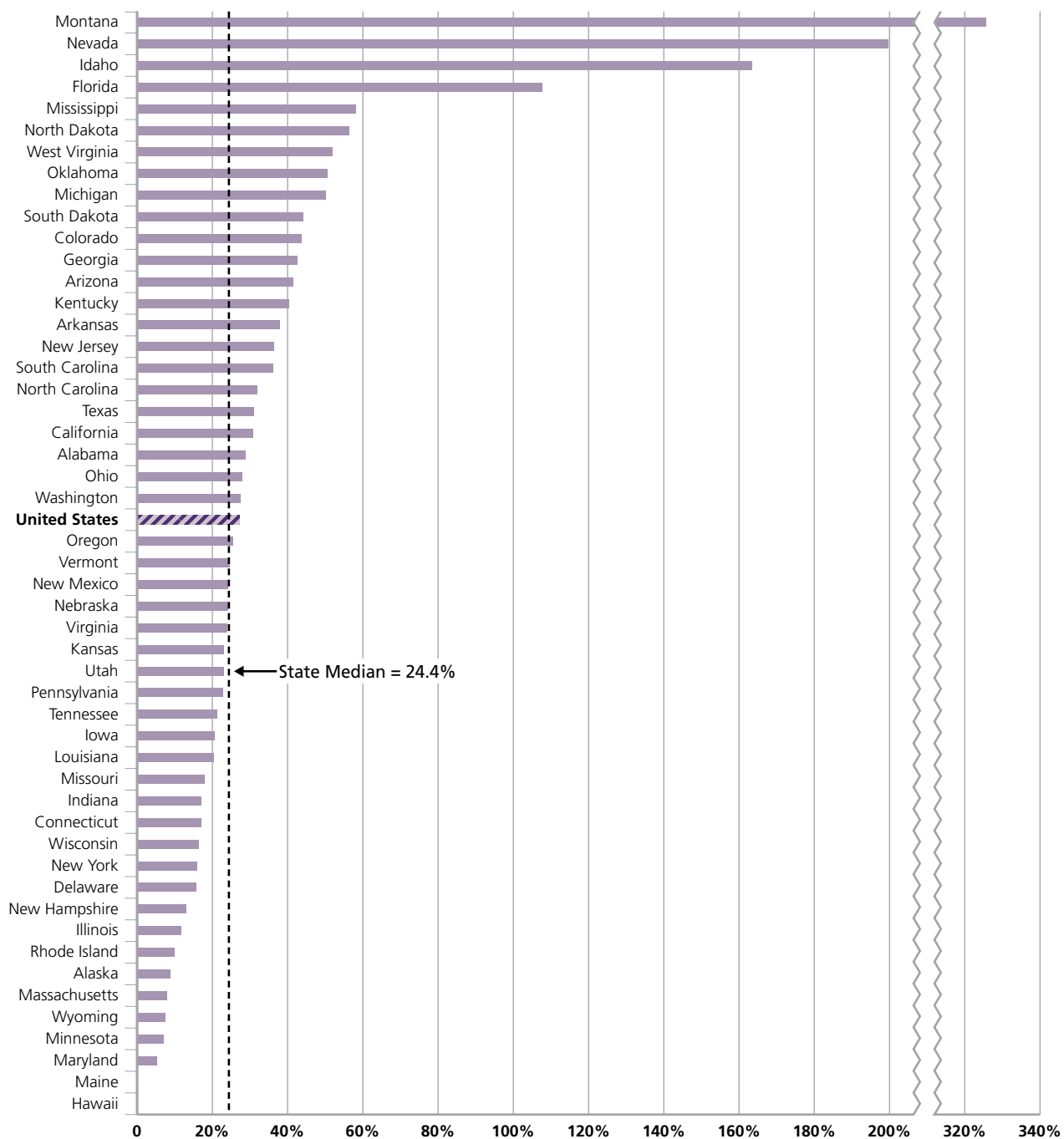
Note: Number ranges in the key are rounded; states that fall between ranges are shaded according to the closest range.

**Map 3.5.1.** Change in number of residents and fellows in ACGME-accredited programs, 2010-2020.



Source: 2010 and 2020 National GME Census in GME Track® as of September 2021.  
Note: Number ranges in the key are rounded; states that fall between ranges are shaded according to the closest range.

**Map 3.5.2.** Percentage change in number of residents and fellows in ACGME-accredited programs, 2010-2020.



Source: 2010 and 2020 National GME Census in GME Track® as of September 2021.

**Figure 3.5.** Percentage change in number of residents and fellows in ACGME-accredited programs, 2010-2020.



**Table 3.5. Change in Number of Residents and Fellows in ACGME-Accredited Programs, 2010-2020**

	Total Residents and Fellows in ACGME-Accredited Programs				
	2010	2020	Number Change	Percentage Change	Rank
United States	113,097	143,840	30,743	27.2%	N.R.
Alabama	1,252	1,613	361	28.8%	21
Alaska	34	37	3	8.8%	44
Arizona	1,464	2,071	607	41.5%	13
Arkansas	743	1,024	281	37.8%	15
California	9,813	12,823	3,010	30.7%	20
Colorado	1,194	1,716	522	43.7%	11
Connecticut	2,154	2,518	364	16.9%	37
Delaware	347	401	54	15.6%	40
District of Columbia	1,593	1,731	138	8.7%	N.R.
Florida	3,534	7,341	3,807	107.7%	4
Georgia	2,088	2,978	890	42.6%	12
Hawaii	412	402	-10	-2.4%	50
Idaho	63	166	103	163.5%	3
Illinois	5,867	6,548	681	11.6%	42
Indiana	1,374	1,608	234	17.0%	36
Iowa	836	1,008	172	20.6%	33
Kansas	737	907	170	23.1%	29
Kentucky	1,111	1,559	448	40.3%	14
Louisiana	1,917	2,307	390	20.3%	34
Maine	311	308	-3	-1.0%	49
Maryland	2,880	3,031	151	5.2%	48
Massachusetts	5,527	5,958	431	7.8%	45
Michigan	4,837	7,263	2,426	50.2%	9
Minnesota	2,271	2,428	157	6.9%	47
Mississippi	534	844	310	58.1%	5
Missouri	2,668	3,144	476	17.8%	35
Montana	19	81	62	326.3%	1
Nebraska	696	863	167	24.0%	27
Nevada	287	860	573	199.7%	2
New Hampshire	411	465	54	13.1%	41
New Jersey	2,754	3,756	1,002	36.4%	16
New Mexico	543	674	131	24.1%	26
New York	16,012	18,561	2,549	15.9%	39
North Carolina	3,013	3,971	958	31.8%	18
North Dakota	112	175	63	56.3%	6
Ohio	5,686	7,270	1,584	27.9%	22
Oklahoma	798	1,201	403	50.5%	8
Oregon	842	1,057	215	25.5%	24
Pennsylvania	7,543	9,259	1,716	22.7%	31
Puerto Rico	770	847	77	10.0%	N.R.
Rhode Island	780	857	77	9.9%	43
South Carolina	1,168	1,588	420	36.0%	17
South Dakota	109	157	48	44.0%	10
Tennessee	2,199	2,666	467	21.2%	32
Texas	7,137	9,342	2,205	30.9%	19
Utah	744	915	171	23.0%	30
Vermont	276	344	68	24.6%	25
Virginia	2,164	2,678	514	23.8%	28
Washington	1,753	2,234	481	27.4%	23
West Virginia	674	1,023	349	51.8%	7
Wisconsin	1,776	2,066	290	16.3%	38
Wyoming	40	43	3	7.5%	46

Source: 2010 and 2020 National GME Census in GME Track® as of September 2021.

Note: N.R. = not ranked.

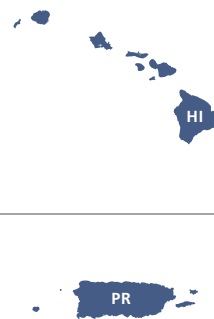
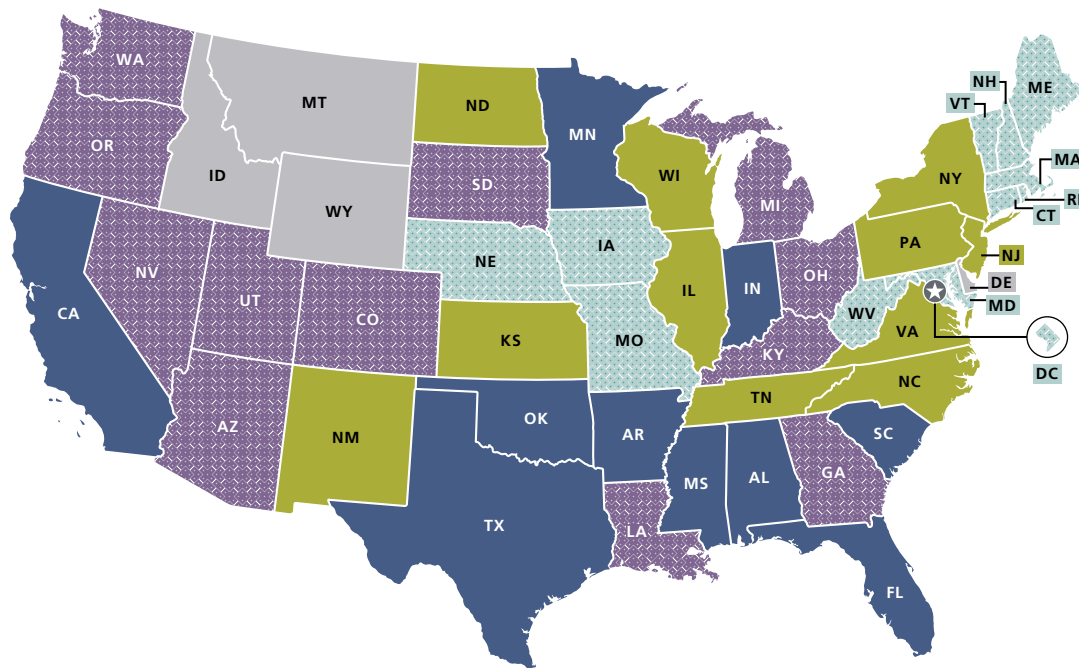
## Section IV: Retention

### KEY FINDINGS

- In 2020, 38.2% of medical students were actively practicing in the same state where they received their UME. Most of the top 10 states with the highest UME retention were in the South (refer to Map 4.1, Figure 4.1, and Table 4.1).
- In 2020, 46.0% of the physicians who graduated from a public school were actively practicing in the same state where they completed UME (refer to Figure 4.2 and Table 4.2).
- In 2020, 47.6% of physicians were actively practicing in the state where they completed their most recent GME. California had the highest GME retention percentage (70.8%) (refer to Map 4.3, Figure 4.3, and Table 4.3).
- Retention rates were highest among physicians who completed both UME and GME in the same state. More than two-thirds (67.5%) of the physicians who completed UME and GME in the same state remained in the state to practice (refer to Figure 4.4 and Table 4.4).

## 1

## Physicians Retained From Undergraduate Medical Education (UME), 2020



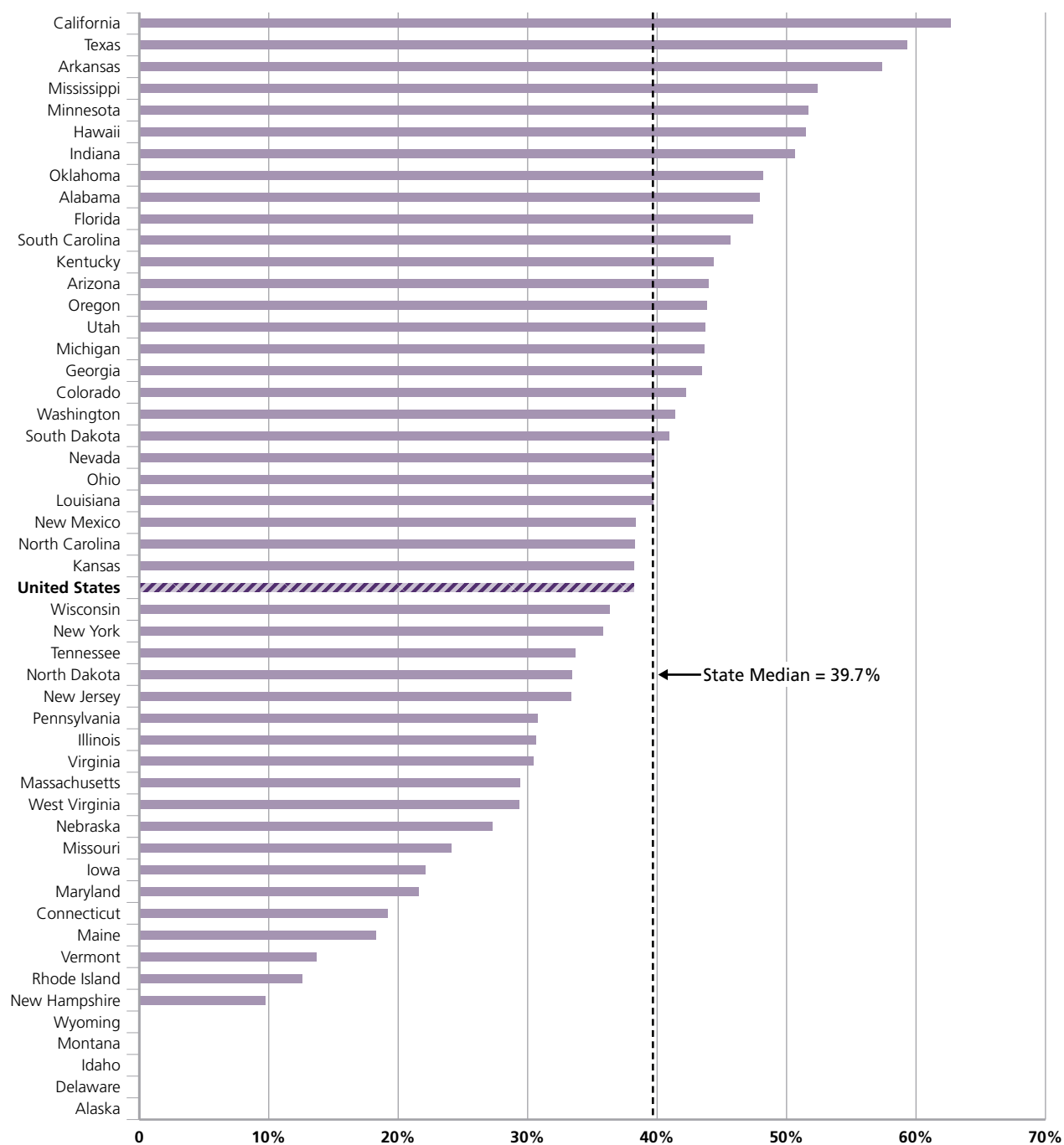
## Key

- No MD- or DO-granting school
- 6.1% to 29.9%
- 30.0% to 39.0%
- 39.1% to 45.0%
- 45.1% to 62.7%

Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Notes: Number ranges in the key are rounded; states that fall between ranges are shaded according to the closest range. Idaho has one DO-granting school, but because it was established in 2017, no graduate is included in the 2021 AMA Physician Masterfile.

**Map 4.1.** Percentage of physicians retained from undergraduate medical education (UME), 2020.



Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Notes: The University of Washington recruits students from Washington, Wyoming, Alaska, Montana, and Idaho (WWAMI) for admission to its WWAMI regional medical education program. However, retention numbers for the state of Washington do not include 267 graduates from the University of Washington who are active in the other four WWAMI states. When those graduates are included, the UME retention rate for the WWAMI region is 70.1%. Idaho has one DO-granting school, but because it was established in 2017, no graduate is included in the 2021 AMA Physician Masterfile.

**Figure 4.1. Percentage of physicians retained from undergraduate medical education (UME), 2020.**

**Table 4.1. Physicians Retained From Undergraduate Medical Education (UME), 2020**

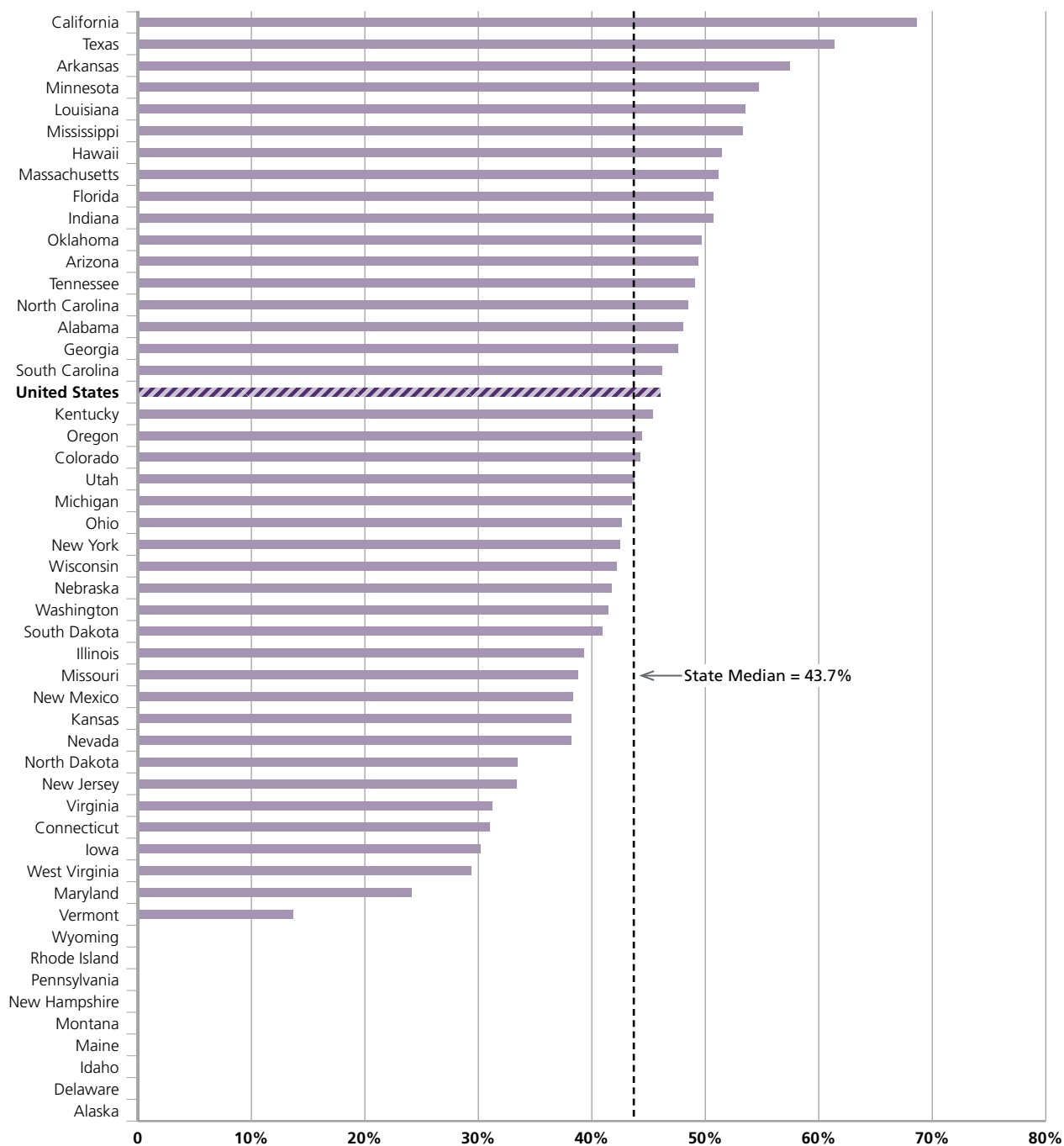
	Active Physicians Who Graduated From an MD- or DO-Granting School in State	Active Physicians Who Graduated From an MD- or DO-Granting School in State and Are Active in State		
		Number	Percentage	Rank
United States	696,009	265,654	38.2%	N.R.
Alabama	8,460	4,055	47.9%	9
Alaska	---	---	---	---
Arizona	5,622	2,473	44.0%	13
Arkansas	5,206	2,988	57.4%	3
California	45,546	28,547	62.7%	1
Colorado	5,633	2,380	42.3%	18
Connecticut	7,047	1,351	19.2%	41
Delaware	---	---	---	---
District of Columbia	17,423	1,058	6.1%	N.R.
Florida	20,105	9,528	47.4%	10
Georgia	14,209	6,172	43.4%	17
Hawaii	2,173	1,118	51.4%	6
Idaho	---	---	---	---
Illinois	45,237	13,875	30.7%	33
Indiana	10,741	5,441	50.7%	7
Iowa	12,784	2,828	22.1%	39
Kansas	6,778	2,588	38.2%	26
Kentucky	9,757	4,327	44.3%	12
Louisiana	16,517	6,558	39.7%	23
Maine	2,581	472	18.3%	42
Maryland	16,081	3,474	21.6%	40
Massachusetts	23,126	6,803	29.4%	35
Michigan	26,287	11,466	43.6%	16
Minnesota	10,742	5,552	51.7%	5
Mississippi	4,526	2,371	52.4%	4
Missouri	30,530	7,360	24.1%	38
Montana	---	---	---	---
Nebraska	9,421	2,572	27.3%	37
Nevada	2,716	1,080	39.8%	21
New Hampshire	2,363	230	9.7%	45
New Jersey	13,140	4,380	33.3%	31
New Mexico	2,661	1,020	38.3%	24
New York	75,867	27,180	35.8%	28
North Carolina	16,152	6,181	38.3%	25
North Dakota	1,883	629	33.4%	30
Ohio	34,503	13,709	39.7%	22
Oklahoma	8,460	4,075	48.2%	8
Oregon	4,017	1,760	43.8%	14
Pennsylvania	53,147	16,351	30.8%	32
Puerto Rico	9,854	4,876	49.5%	N.R.
Rhode Island	2,967	374	12.6%	44
South Carolina	7,869	3,594	45.7%	11
South Dakota	1,750	716	40.9%	20
Tennessee	15,927	5,362	33.7%	29
Texas	45,447	26,941	59.3%	2
Utah	3,785	1,655	43.7%	15
Vermont	3,611	494	13.7%	43
Virginia	16,235	4,939	30.4%	34
Washington	6,792	2,811	41.4%	19
West Virginia	7,364	2,161	29.3%	36
Wisconsin	12,821	4,655	36.3%	27
Wyoming	---	---	---	---

Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Notes: N.R. = not ranked. --- Indicates that category is not applicable because some states do not have an MD-granting or a DO-granting school. The University of Washington recruits students from Washington, Wyoming, Alaska, Montana, and Idaho (WWAMI) for admission to its WWAMI regional medical education program. However, retention numbers for the state of Washington do not include 267 graduates from the University of Washington who are active in the other four WWAMI states. When those graduates are included, the UME retention rate for the WWAMI region is 70.1%. Idaho has one DO-granting school, but because it was established in 2017, no graduate is included in the 2021 AMA Physician Masterfile.

## 2

## Physicians Retained From Public Undergraduate Medical Education (UME), 2020



Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: The University of Washington recruits students from Washington, Wyoming, Alaska, Montana, and Idaho (WWAMI) for admission to its WWAMI regional medical education program. However, retention numbers for the state of Washington do not include 267 graduates from the University of Washington who are active in the other four WWAMI states. When those graduates are included, the UME retention rate for the WWAMI region is 70.1%.

**Figure 4.2.** Percentage of physicians retained from public undergraduate medical education (UME), 2020.

**Table 4.2. Physicians Retained From Public Undergraduate Medical Education (UME), 2020**

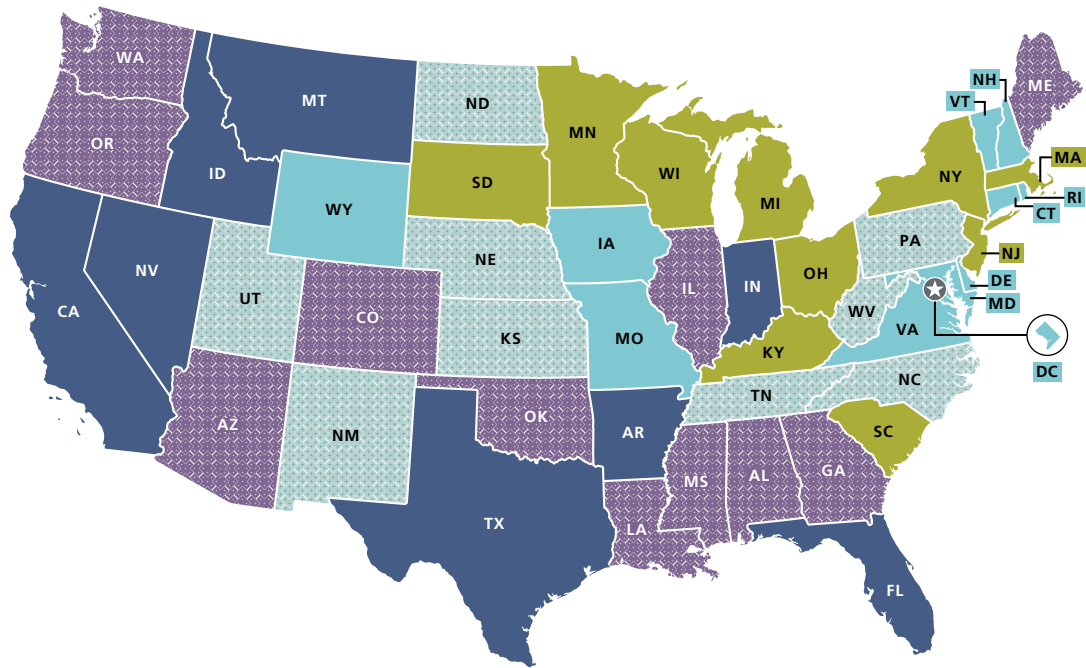
	Active Physicians Who Graduated From a Public MD- or DO-Granting School in State	Active Physicians Who Graduated From a Public MD- or DO-Granting School in State and Are Active in State		
		Number	Percentage	Rank
United States	382,413	175,966	46.0%	N.R.
Alabama	8,440	4,051	48.0%	15
Alaska	---	---	---	---
Arizona	3,757	1,855	49.4%	12
Arkansas	5,204	2,988	57.4%	3
California	24,172	16,592	68.6%	1
Colorado	5,030	2,226	44.3%	20
Connecticut	2,950	915	31.0%	37
Delaware	---	---	---	---
District of Columbia	---	---	---	N.R.
Florida	9,321	4,726	50.7%	9
Georgia	6,928	3,297	47.6%	16
Hawaii	2,173	1,118	51.4%	7
Idaho	---	---	---	---
Illinois	14,167	5,569	39.3%	29
Indiana	10,719	5,430	50.7%	10
Iowa	6,063	1,830	30.2%	38
Kansas	6,778	2,588	38.2%	32
Kentucky	8,934	4,053	45.4%	18
Louisiana	10,349	5,541	53.5%	5
Maine	---	---	---	---
Maryland	11,263	2,712	24.1%	40
Massachusetts	3,541	1,811	51.1%	8
Michigan	26,209	11,402	43.5%	22
Minnesota	9,263	5,067	54.7%	4
Mississippi	4,325	2,304	53.3%	6
Missouri	7,016	2,719	38.8%	30
Montana	---	---	---	---
Nebraska	4,923	2,055	41.7%	26
Nevada	1,693	646	38.2%	33
New Hampshire	---	---	---	---
New Jersey	13,140	4,380	33.3%	35
New Mexico	2,661	1,020	38.3%	31
New York	23,864	10,132	42.5%	24
North Carolina	7,997	3,879	48.5%	14
North Dakota	1,883	629	33.4%	34
Ohio	28,692	12,228	42.6%	23
Oklahoma	8,148	4,044	49.6%	11
Oregon	3,937	1,747	44.4%	19
Pennsylvania	---	---	---	---
Puerto Rico	4,780	2,558	53.5%	N.R.
Rhode Island	---	---	---	---
South Carolina	7,714	3,563	46.2%	17
South Dakota	1,750	716	40.9%	28
Tennessee	8,293	4,071	49.1%	13
Texas	38,991	23,913	61.3%	2
Utah	3,785	1,655	43.7%	21
Vermont	3,611	494	13.7%	41
Virginia	15,131	4,724	31.2%	36
Washington	6,552	2,717	41.5%	27
West Virginia	7,364	2,161	29.3%	39
Wisconsin	5,682	2,398	42.2%	25
Wyoming	---	---	---	---

Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Notes: N.R. = not ranked. --- Indicates that category is not applicable because some states do not have an MD-granting or DO-granting school. The University of Washington recruits students from Washington, Wyoming, Alaska, Montana, and Idaho (WWAMI) for admission to its WWAMI regional medical education program. However, retention numbers for the state of Washington do not include 267 graduates from the University of Washington who are active in the other four WWAMI states. When those graduates are included, the UME retention rate for the WWAMI region is 70.1%.

## 3

## Physicians Retained From Graduate Medical Education (GME), 2020



## Key

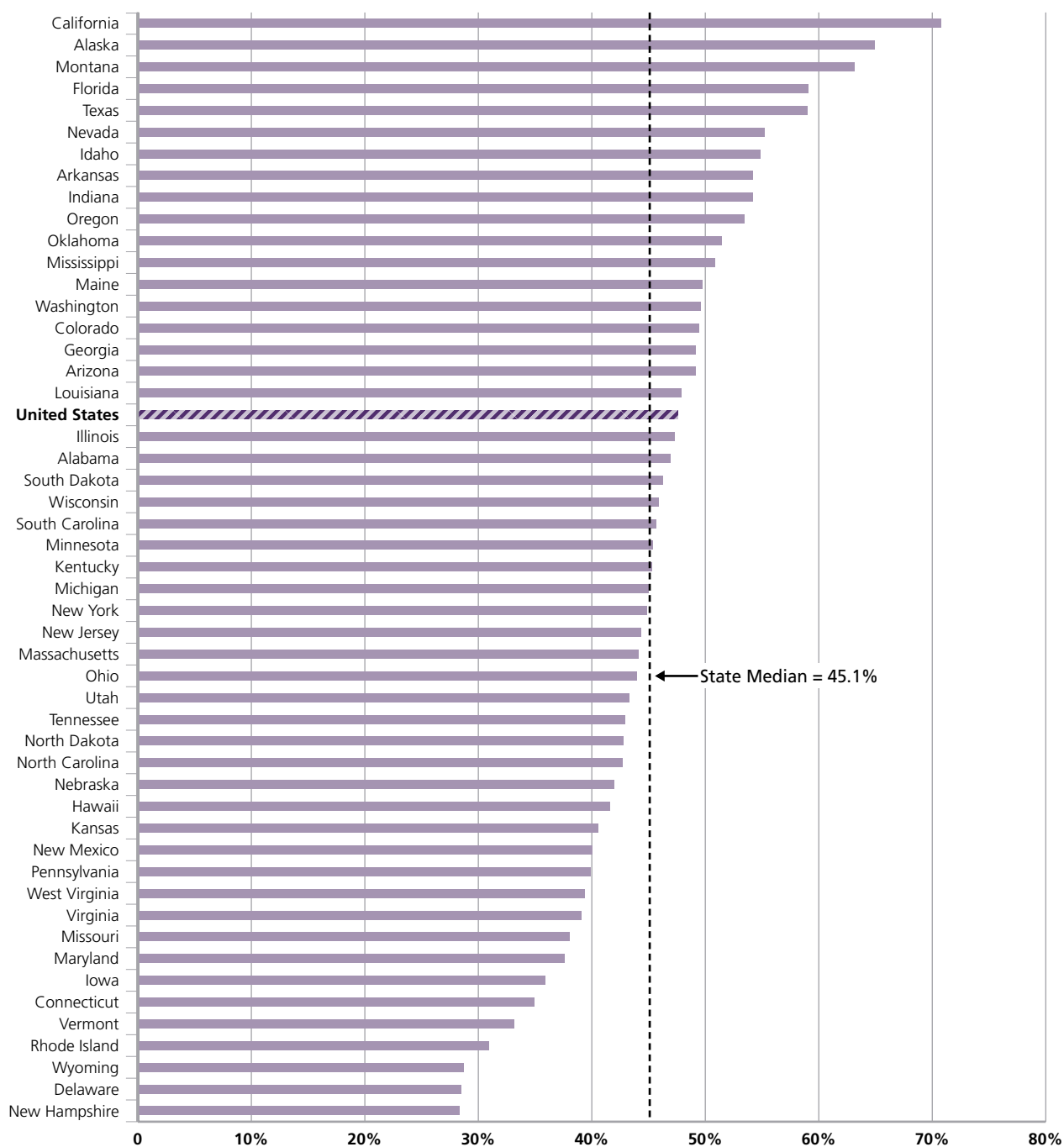
- 15.7% to 39.1%
- 39.2% to 43.9%
- 44.0% to 46.9%
- 47.0% to 53.4%
- 53.5% to 73.1%

Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: Number ranges in the key are rounded; states that fall between ranges are shaded according to the closest range.

**Map 4.3.** Percentage of physicians retained from graduate medical education (GME), 2020.





Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

**Figure 4.3.** Percentage of physicians retained from graduate medical education (GME), 2020.

**Table 4.3. Physicians Retained From Graduate Medical Education (GME), 2020**

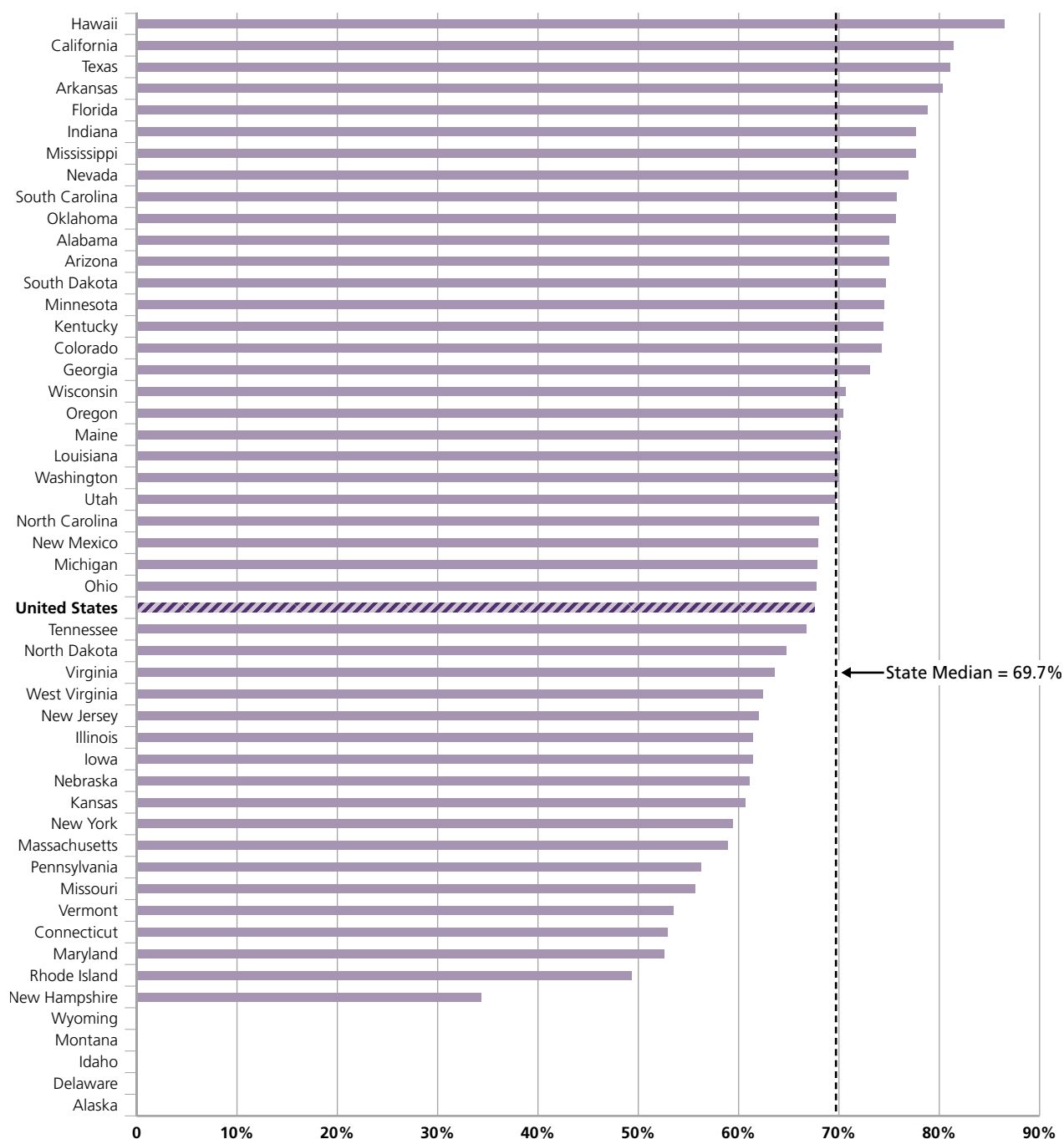
	Active Physicians Who Completed GME in State	Active Physicians Who Completed GME in State and Are Active in State		
		Number	Percentage	Rank
United States	872,543	414,946	47.6%	N.R.
Alabama	9,713	4,560	46.9%	20
Alaska	205	133	64.9%	2
Arizona	9,239	4,538	49.1%	17
Arkansas	5,386	2,917	54.2%	8
California	86,359	61,099	70.8%	1
Colorado	10,859	5,371	49.5%	15
Connecticut	14,774	5,154	34.9%	45
Delaware	1,620	461	28.5%	49
District of Columbia	16,390	2,580	15.7%	N.R.
Florida	26,856	15,853	59.0%	4
Georgia	16,831	8,269	49.1%	16
Hawaii	2,987	1,243	41.6%	36
Idaho	503	276	54.9%	7
Illinois	45,201	21,365	47.3%	19
Indiana	11,320	6,129	54.1%	9
Iowa	7,274	2,608	35.9%	44
Kansas	5,961	2,415	40.5%	37
Kentucky	8,659	3,919	45.3%	25
Louisiana	14,155	6,779	47.9%	18
Maine	2,203	1,096	49.8%	13
Maryland	22,125	8,309	37.6%	43
Massachusetts	40,822	18,009	44.1%	29
Michigan	37,201	16,745	45.0%	26
Minnesota	19,874	9,012	45.3%	24
Mississippi	3,929	1,996	50.8%	12
Missouri	20,508	7,804	38.1%	42
Montana	206	130	63.1%	3
Nebraska	4,909	2,061	42.0%	35
Nevada	1,591	878	55.2%	6
New Hampshire	2,294	649	28.3%	50
New Jersey	19,307	8,552	44.3%	28
New Mexico	3,848	1,541	40.0%	38
New York	120,438	54,049	44.9%	27
North Carolina	22,378	9,561	42.7%	34
North Dakota	952	407	42.8%	33
Ohio	43,075	18,948	44.0%	30
Oklahoma	6,363	3,272	51.4%	11
Oregon	6,271	3,350	53.4%	10
Pennsylvania	58,166	23,209	39.9%	39
Puerto Rico	6,993	5,112	73.1%	N.R.
Rhode Island	5,208	1,609	30.9%	47
South Carolina	8,976	4,100	45.7%	23
South Dakota	846	391	46.2%	21
Tennessee	15,657	6,724	42.9%	32
Texas	55,128	32,524	59.0%	5
Utah	5,487	2,376	43.3%	31
Vermont	1,867	619	33.2%	46
Virginia	16,127	6,304	39.1%	41
Washington	13,775	6,834	49.6%	14
West Virginia	4,582	1,805	39.4%	40
Wisconsin	13,723	6,294	45.9%	22
Wyoming	415	119	28.7%	48

Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: N.R. = not ranked.

## 4

## Physicians Retained From Undergraduate Medical Education (UME) and Graduate Medical Education (GME) Combined, 2020



Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Note: Idaho has one DO-granting school, but because it was established in 2017, no graduate is included in the 2021 AMA Physician Masterfile.

**Figure 4.4.** Percentage of physicians retained from undergraduate medical education (UME) and graduate medical education (GME) combined, 2020.

**Table 4.4. Physicians Retained From Undergraduate Medical Education (UME) and Graduate Medical Education (GME) Combined, 2020**

	Active Physicians Who Graduated From an MD- or DO-Granting School in State and Completed GME in State	Active Physicians Who Graduated From an MD- or DO-Granting School in State, Completed GME in State, and Are Active in State		
		Number	Percentage	Rank
United States	249,011	168,192	67.5%	N.R.
Alabama	3,200	2,401	75.0%	11
Alaska	---	---	---	---
Arizona	1,528	1,146	75.0%	12
Arkansas	2,401	1,929	80.3%	4
California	26,902	21,915	81.5%	2
Colorado	1,820	1,351	74.2%	16
Connecticut	1,494	791	52.9%	42
Delaware	---	---	---	---
District of Columbia	3,247	632	19.5%	N.R.
Florida	6,211	4,897	78.8%	5
Georgia	4,488	3,281	73.1%	17
Hawaii	617	534	86.5%	1
Idaho	---	---	---	---
Illinois	15,500	9,527	61.5%	33
Indiana	4,703	3,655	77.7%	6
Iowa	2,399	1,474	61.4%	34
Kansas	2,259	1,371	60.7%	36
Kentucky	3,087	2,298	74.4%	15
Louisiana	6,157	4,315	70.1%	21
Maine	245	172	70.2%	20
Maryland	3,571	1,880	52.6%	43
Massachusetts	8,351	4,919	58.9%	38
Michigan	10,858	7,365	67.8%	26
Minnesota	5,173	3,853	74.5%	14
Mississippi	1,721	1,337	77.7%	7
Missouri	6,130	3,415	55.7%	40
Montana	---	---	---	---
Nebraska	2,254	1,377	61.1%	35
Nevada	295	227	76.9%	8
New Hampshire	192	66	34.4%	45
New Jersey	3,130	1,941	62.0%	32
New Mexico	768	522	68.0%	25
New York	35,272	20,960	59.4%	37
North Carolina	5,030	3,420	68.0%	24
North Dakota	335	217	64.8%	29
Ohio	13,684	9,277	67.8%	27
Oklahoma	2,738	2,073	75.7%	10
Oregon	1,081	761	70.4%	19
Pennsylvania	18,966	10,672	56.3%	39
Puerto Rico	4,092	3,093	75.6%	N.R.
Rhode Island	383	189	49.3%	44
South Carolina	2,606	1,975	75.8%	9
South Dakota	269	201	74.7%	13
Tennessee	4,569	3,052	66.8%	28
Texas	22,286	18,074	81.1%	3
Utah	920	641	69.7%	23
Vermont	357	191	53.5%	41
Virginia	3,914	2,491	63.6%	30
Washington	2,171	1,519	70.0%	22
West Virginia	1,961	1,224	62.4%	31
Wisconsin	3,768	2,664	70.7%	18
Wyoming	---	---	---	---

Source: 2021 AMA Physician Masterfile (Dec. 31, 2020).

Notes: N.R. = not ranked. --- Indicates that category is not applicable because some states do not have an MD-granting or a DO-granting school. Idaho has one DO-granting school, but because it was established in 2017, no graduate is included in the 2021 AMA Physician Masterfile.

## Summary

### KEY FINDINGS

Between 2010 and 2020, there was an increase in the median number of active physicians and active patient care physicians per 100,000 population, but there was very little increase in the median number of active primary care physicians and a small decrease in the median number of general surgeons. From 2010 to 2020, the state medians for the percentage of physicians who are IMGs increased modestly, while the percentage of residents and fellows who are IMGs decreased modestly. The number of residents and fellows enrolled in GME did not increase as quickly as the number of students enrolled in UME during those 10 years. As a result, the median ratio of GME enrollees to UME enrollees decreased from 2010 to 2020. State retention rates remain highest for physicians who completed both UME and GME in state, but there has been very little change in the percentage of physicians retained from UME alone or from GME alone.

**Summary Table. State Medians for Key Physician Workforce Measures, 2010, 2012, 2014, 2016, 2018, and 2020**

		Median 2010	Median 2012	Median 2014	Median 2016	Median 2018	Median 2020
Physician Supply	Active Physicians per 100,000 Population	244.2	244.5	251.0	257.6	263.3	272.0
	Total Active Patient Care Physicians per 100,000 Population	215.1	217.6	225.6	227.2	234.0	239.8
	Active Primary Care Physicians per 100,000 Population	91.0	90.3	90.4	90.8	91.3	94.7
	Active Patient Care Primary Care Physicians per 100,000 Population	80.4	81.5	83.1	82.5	82.9	84.5
	Active General Surgeons per 100,000 Population	8.1	7.8	7.8	7.7	7.7	7.7
	Active Patient Care General Surgeons per 100,000 Population	7.0	7.0	7.1	6.9	6.8	7.0
	Percentage of Active Physicians Who Are Female	29.3%	30.8%	32.4%	33.8%	35.0%	36.1%
	Percentage of Active Physicians Who Are International Medical Graduates (IMGs)	17.8%	18.2%	18.7%	19.1%	19.4%	19.7%
	Percentage of Active Physicians Who Are Age 60 or Older	25.2%	26.5%	28.5%	30.3%	31.4%	32.9%
	Percentage of Active Physicians Who Identify as Asian (Alone or in Combination)	---	---	---	---	---	13.7%
	Percentage of Active Physicians Who Identify as Black or African American (Alone or in Combination)	---	---	---	---	---	3.8%
	Percentage of Active Physicians Who Identify as Hispanic, Latino, or of Spanish Origin (Alone or in Combination)	---	---	---	---	---	3.2%
	Percentage of Active Physicians Who Identify as American Indian or Alaska Native (Alone or in Combination)	---	---	---	---	---	0.4%
	Percentage of Active Physicians Who Identify as Native Hawaiian or Other Pacific Islander (Alone or in Combination)	---	---	---	---	---	0.1%
	Percentage of Active Physicians Who Identify as Other Race/Ethnicity (Alone or in Combination)	---	---	---	---	---	1.4%
	Percentage of Active Physicians Who Identify as White (Alone or in Combination)	---	---	---	---	---	67.3%
Undergraduate Medical Education (UME)	Students Enrolled in an MD- or DO-Granting School per 100,000 Population	27.9	29.1	30.4	32.7	34.6	38.6
	Students Enrolled in a Public MD- or DO-Granting School per 100,000 Population	19.7	18.8	21.4	21.2	21.3	21.5
	Percentage of MD Students Matriculating in State	67.1%	67.7%	69.2%	65.6%	68.2%	67.6%
Graduate Medical Education (GME)	Total Residents and Fellows in ACGME-Accredited Programs per 100,000 Population	26.2	26.8	27.4	28.1	29.9	32.7
	Total Residents and Fellows in Primary Care ACGME-Accredited Programs per 100,000 Population	10.2	10.4	10.5	10.6	12.0	12.7
	Percentage of Residents and Fellows in ACGME-Accredited Programs Who Are IMGs	23.1%	22.4%	22.2%	20.5%	19.4%	19.2%
	Ratio of GME Residents and Fellows to UME Students	1.09	1.05	1.05	0.98	0.97	1.04
Retention	Percentage of Physicians Retained in State From UME	39.2%	38.7%	38.6%	38.5%	40.0%	39.7%
	Percentage of Physicians Retained in State From Public UME	45.5%	44.9%	43.9%	44.1%	43.8%	43.7%
	Percentage of Physicians Retained in State From GME	45.7%	44.9%	44.5%	44.9%	44.7%	45.1%
	Percentage of Physicians Retained in State From UME and GME Combined	67.4%	68.1%	68.4%	69.0%	69.3%	69.7%

Note: --- Indicates data were not available. Data for 2010-2018 are from previous editions of the *State Physician Workforce Data Report*, available on the AAMC website: [aamc.org/data-reports/workforce/report/state-physician-workforce-data-report](https://aamc.org/data-reports/workforce/report/state-physician-workforce-data-report).



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