

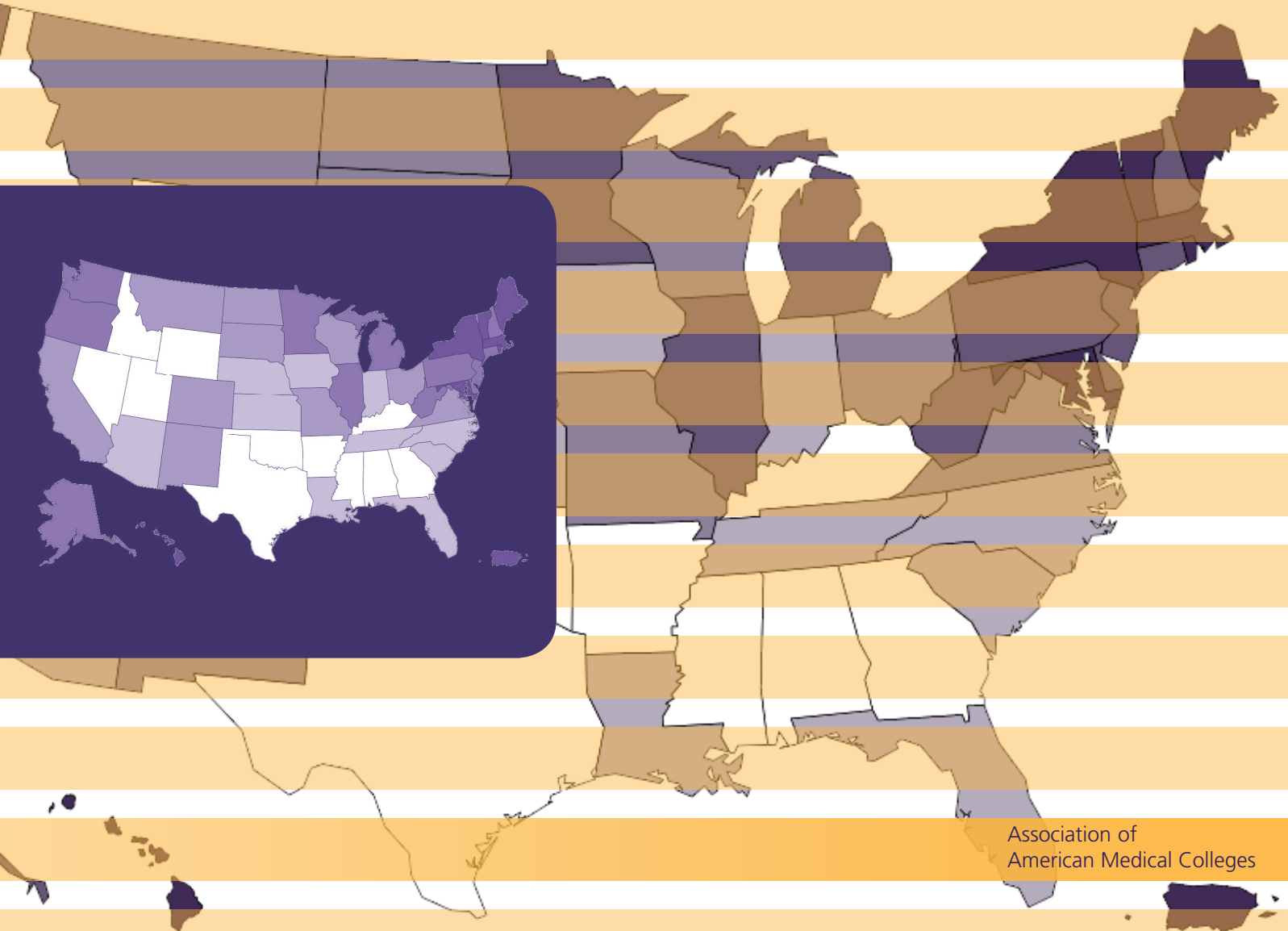


Tomorrow's Doctors, Tomorrow's Cures®

2015 State Physician Workforce Data Book

Center for Workforce Studies

November 2015



Association of
American Medical Colleges

Acknowledgments

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

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Executive Summary

The *2015 State Physician Workforce Data Book* which is an update of the *2013 State Physician Workforce Data Book*, 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),¹ and state rank. Additionally, this edition includes a summary table that compares the state median for each physician workforce measure in 2008, 2010, 2012, and 2014.

The *Data Book* is divided into four sections:

Section 1: Physician Supply. This section includes data on active physicians in each state, including physician-to-population ratios, percentage who are female, age distribution, and school type. Data by race and ethnicity were not available.

Section 2: Undergraduate Medical Education. This section provides information on enrollment at both M.D.-granting and D.O.-granting institutions, as well as data on in-state matriculation. Alaska, Delaware, Idaho, Montana, and Wyoming do not have medical 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 Washington and not in other states.

Section 3: Graduate Medical Education. This section presents data on physicians in residency and fellowship positions in each state, including physician-to-population ratios and school type. Data in this section include M.D.s and D.O.s training in programs accredited by the Accreditation Council for Graduate Medical Education (ACGME). Where possible, data for physicians training in programs accredited by the American Osteopathic Association (AOA) also are included.

Section 4: Retention. This section presents data on states' retention of the physicians they educate in medical schools and GME programs.

The primary data sources for this report are:

- The American Medical Association (AMA) Physician Masterfile (December 31, 2014)
- 2014 population estimates from the U.S. Census Bureau
- The AAMC Student Record System
- The American Association of Colleges of Osteopathic Medicine
- The American Osteopathic Association
- The 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 D.C., and dividing the sum by 51. The state median, on the other hand, excludes 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 book, as well as physician counts for the top specialties and interstate migration of physicians in GME and active practice, can be downloaded online as a PDF at www.aamc.org/2015statesnapshots.

Key Definitions

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, semi-retired, 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 non-patient care activities. Active physicians include those with a Doctor of Medicine (M.D.) or a Doctor of Osteopathic Medicine (D.O.). 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 include 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. To determine whether or not an active physician is in the United States, the location of the physician’s office was used. In cases where the physician’s office location was missing, the state from the preferred mailing address was used. This substitution occurred for approximately 10 percent of cases among all active physicians.

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.

U.S.M.D.: Physicians who received their M.D. 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. M.D.s.

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

International medical graduate (IMG): An individual who graduated from a medical school outside the United States, Puerto Rico, or Canada is considered an international medical graduate (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. Please note that although graduates of Canadian medical schools who are practicing in the United States are not considered IMGs or U.S. M.D.s, 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.

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

Commonly Used Acronyms

AACOM American Association of Colleges of Osteopathic Medicine

AAMC Association of American Medical Colleges

ACGME Accreditation Council for Graduate Medical Education

AMA American Medical Association

AOA American Osteopathic Association

D.O. Doctor of Osteopathic Medicine

GME Graduate Medical Education

IMG International Medical Graduate

M.D. Doctor of Medicine

OGME Osteopathic Graduate Medical Education

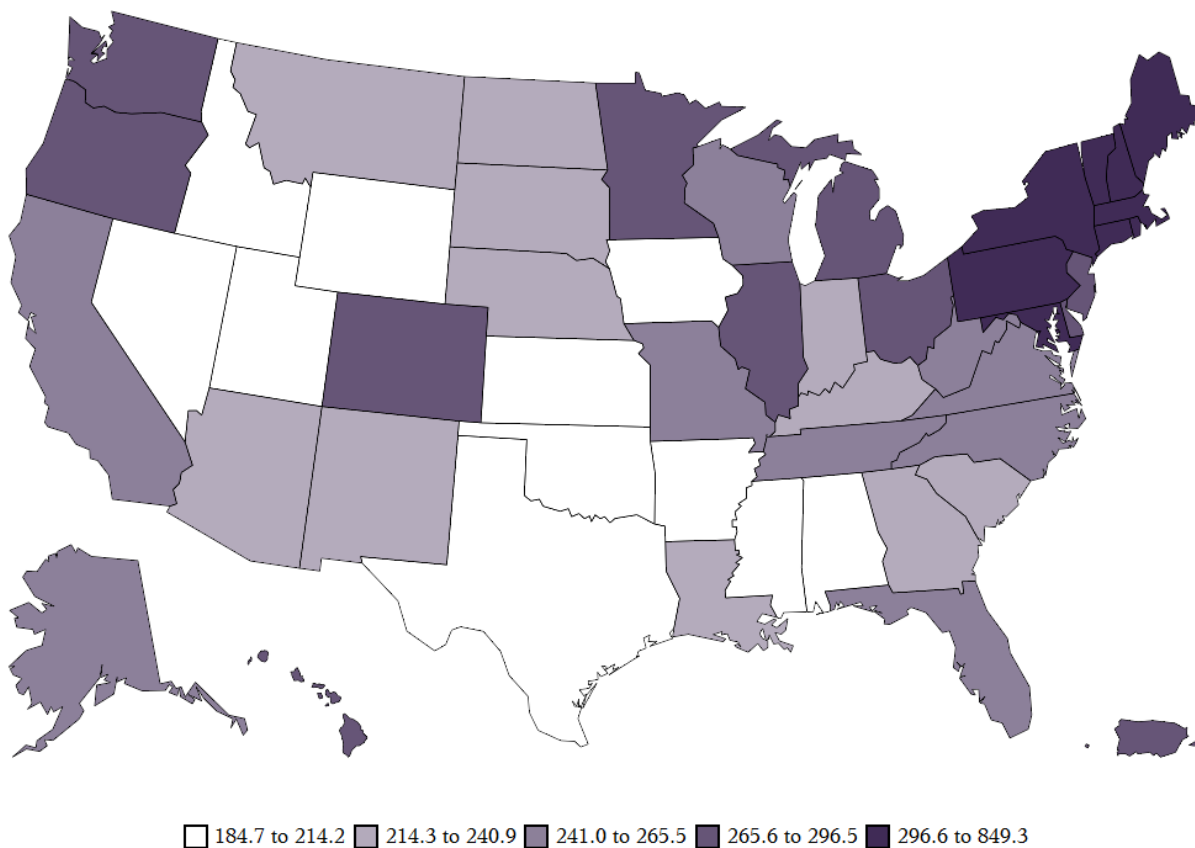
UME Undergraduate Medical Education

Section 1: Physician Supply

Key Findings

- In 2014, there were 265.5 active physicians per 100,000 population in the United States, ranging from a high of 432.4 in Massachusetts to a low of 184.7 in Mississippi. The states with the highest number of physicians per 100,000 population are concentrated in the Northeast (see Map 1.1, Figure 1.1, and Table 1.1).

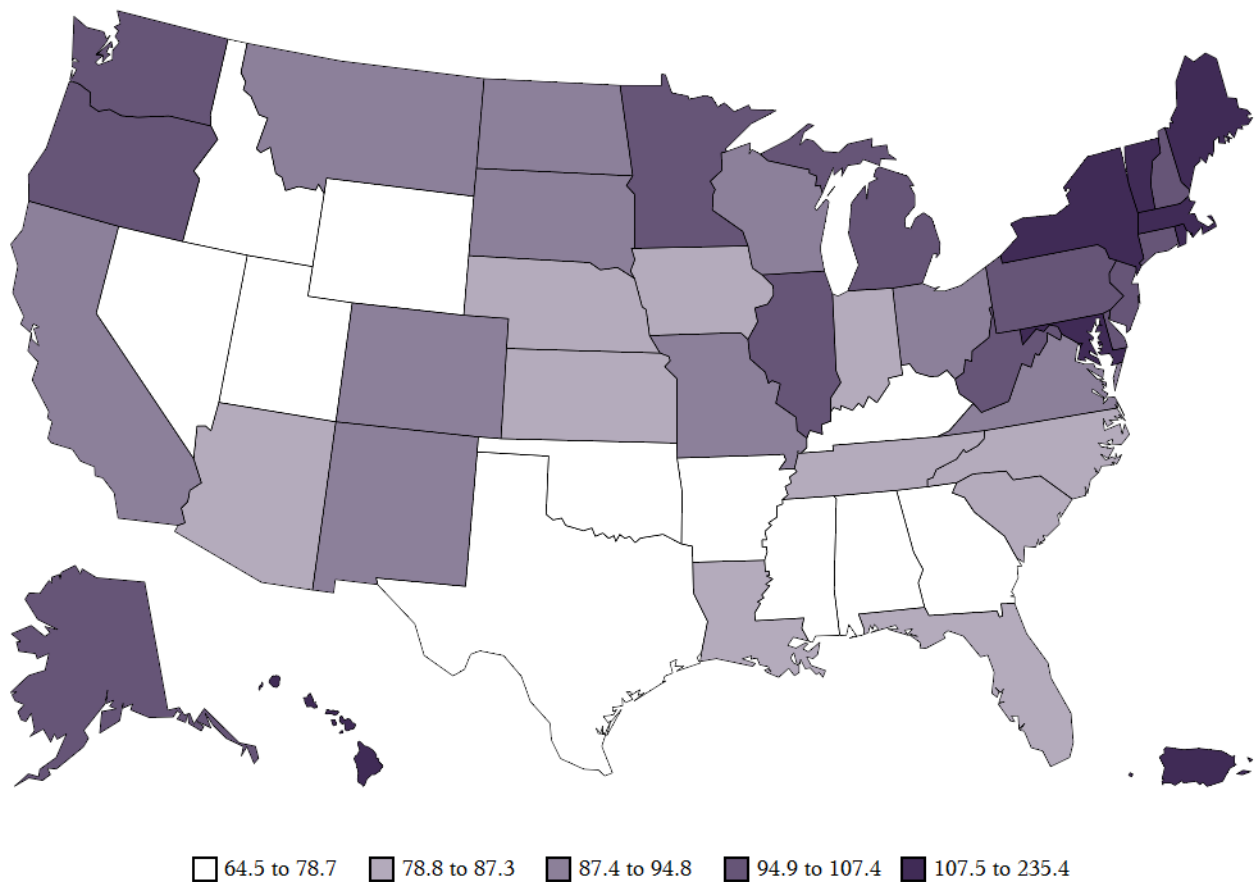
Map 1.1. Active Physicians per 100,000 Population, 2014



Source: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014).

- There were 91.1 active primary care physicians per 100,000 population in the United States in 2014 (see Map 1.3, Figure 1.3, and Table 1.3). Once again, Massachusetts was at the top, with a value of 133.9, while Mississippi had the lowest number of primary care physicians per 100,000 population (64.5).

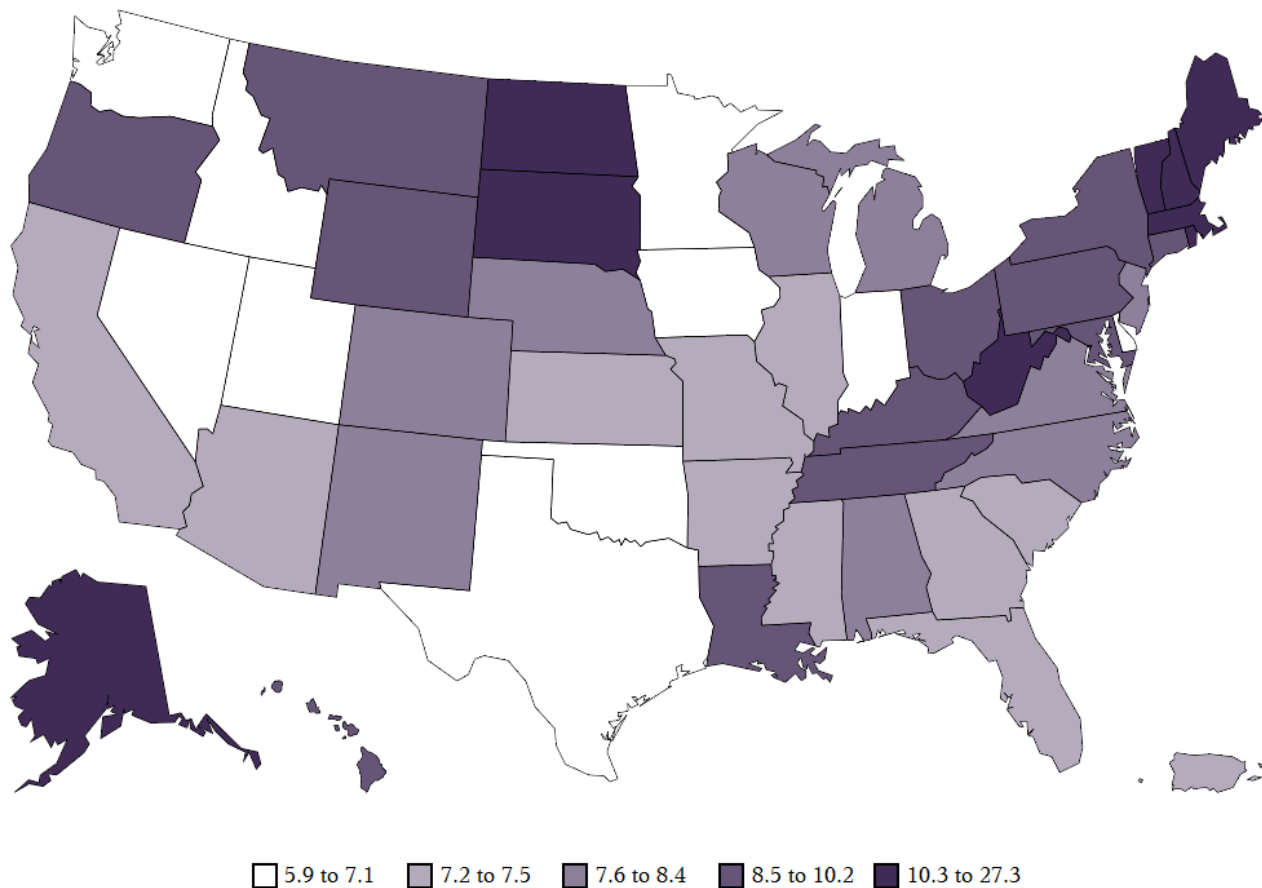
Map 1.3. Active Primary Care Physicians per 100,000 Population, 2014



Source: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December, 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014).

- Nationally, there were 7.9 active general surgeons per 100,000 population in 2014 (see Map 1.5, Figure 1.5, and Table 1.5). North Dakota, Maine, and Vermont had the highest number of general surgeons per 100,000 population (11.9, 11.5, and 11.3, respectively), while Utah, Nevada, and Texas had the lowest number of general surgeons per 100,000 population (5.9, 6.0, and 6.3, respectively).

Map 1.5. Active General Surgeons per 100,000 Population, 2014

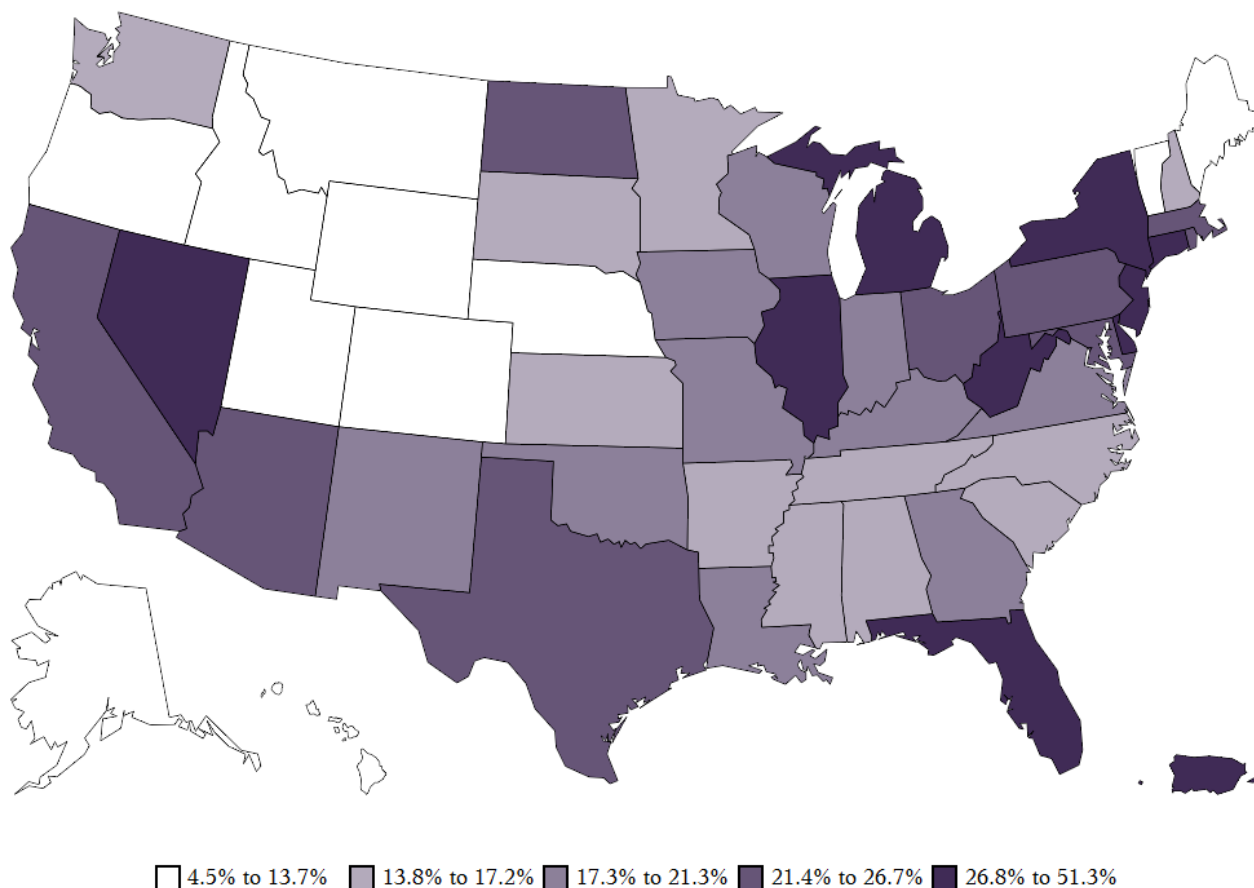


Source: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December, 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014).

- In 2014, 33.3 percent of active physicians in the United States were female (see Figure 1.7 and Table 1.7). More than a third of active physicians in 19 states, Puerto Rico, and the District of Columbia were female, while Utah had the lowest percentage of female physicians (22.9).

- Nationally, 24.2 percent 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.² New Jersey and New York had the highest percentages (38.4 and 37.1 percent, respectively), while Montana and Idaho had the lowest (4.5 and 5.0 percent, respectively).

Map 1.8. Percentage of Active Physicians Who Are International Medical Graduates (IMGs), 2014



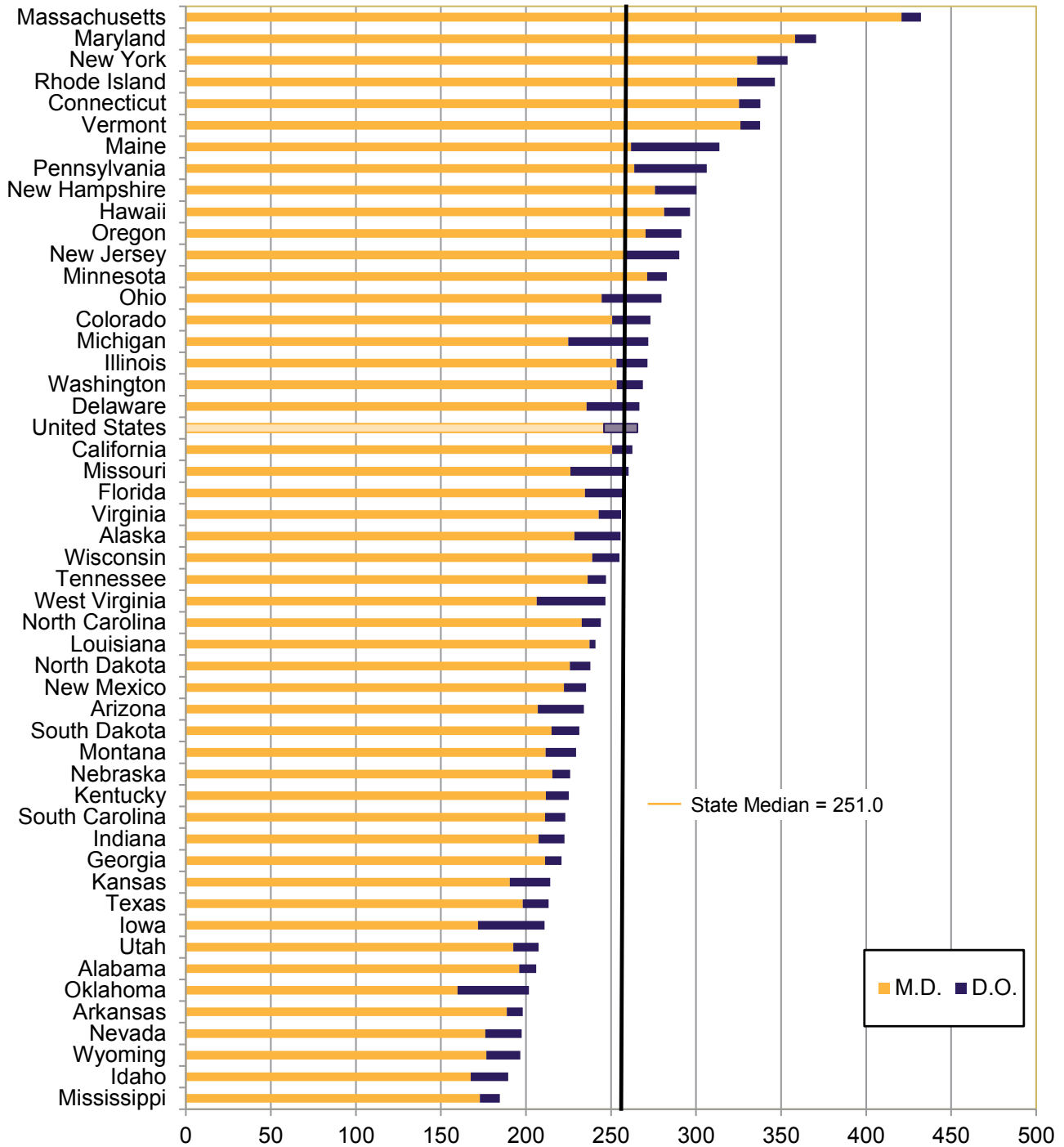
Source: 2015 AMA Physician Masterfile (December 31, 2014).

- Nationally, more than one-fourth (29.4 percent) of active physicians were age 60 or older. There was some variation among the states in the percentage of physicians who were age 60 or older in 2014. New Mexico had the highest percentage (35.9), while North Carolina had the lowest percentage (24.6) of physicians 60 or older (see Figure 1.9 and Table 1.9).

2. Graduates from Canadian medical schools are not considered IMGs. See “Key Definitions” for more information.

1. Active Physicians per 100,000 Population by Degree Type, 2014

Figure 1.1. Active Physicians per 100,000 Population by Degree Type, 2014



Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014). Physicians whose school type was unavailable (n=58) are excluded.

Table 1.1. Active Physicians per 100,000 Population by Degree Type, 2014

	Total Population	Total Active Physicians*			Active M.D.s		Active D.O.s	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	318,857,056	846,686	265.5	N.R.	783,982	245.9	62,644	19.6
Alabama	4,849,377	9,992	206.0	44	9,505	196.0	487	10.0
Alaska	736,732	1,883	255.6	24	1,683	228.4	200	27.1
Arizona	6,731,484	15,754	234.0	32	13,929	206.9	1,822	27.1
Arkansas	2,966,369	5,877	198.1	46	5,599	188.7	278	9.4
California	38,802,500	101,859	262.5	20	97,294	250.7	4,563	11.8
Colorado	5,355,866	14,631	273.2	15	13,430	250.8	1,201	22.4
Connecticut	3,596,677	12,148	337.8	5	11,698	325.2	450	12.5
Delaware	935,614	2,496	266.8	19	2,205	235.7	290	31.0
District of Columbia	658,893	5,596	849.3	N.R.	5,476	831.1	120	18.2
Florida	19,893,297	51,160	257.2	22	46,685	234.7	4,469	22.5
Georgia	10,097,343	22,303	220.9	39	21,335	211.3	967	9.6
Hawaii	1,419,561	4,209	296.5	10	3,993	281.3	216	15.2
Idaho	1,634,464	3,099	189.6	49	2,739	167.6	360	22.0
Illinois	12,880,580	34,970	271.5	17	32,617	253.2	2,350	18.2
Indiana	6,596,855	14,686	222.6	38	13,689	207.5	997	15.1
Iowa	3,107,126	6,557	211.0	42	5,338	171.8	1,218	39.2
Kansas	2,904,021	6,220	214.2	40	5,531	190.5	689	23.7
Kentucky	4,413,457	9,936	225.1	36	9,345	211.7	590	13.4
Louisiana	4,649,676	11,199	240.9	29	11,037	237.4	162	3.5
Maine	1,330,089	4,174	313.8	7	3,481	261.7	692	52.0
Maryland	5,976,407	22,148	370.6	2	21,406	358.2	742	12.4
Massachusetts	6,745,408	29,166	432.4	1	28,384	420.8	775	11.5
Michigan	9,909,877	26,948	271.9	16	22,283	224.9	4,660	47.0
Minnesota	5,457,173	15,438	282.9	13	14,803	271.3	635	11.6
Mississippi	2,994,079	5,530	184.7	50	5,178	172.9	352	11.8
Missouri	6,063,589	15,791	260.4	21	13,715	226.2	2,074	34.2
Montana	1,023,579	2,349	229.5	34	2,166	211.6	183	17.9
Nebraska	1,881,503	4,252	226.0	35	4,055	215.5	196	10.4
Nevada	2,839,099	5,604	197.4	47	4,999	176.1	605	21.3
New Hampshire	1,326,813	3,985	300.3	9	3,660	275.8	325	24.5
New Jersey	8,938,175	25,930	290.1	12	23,169	259.2	2,761	30.9
New Mexico	2,085,572	4,908	235.3	31	4,637	222.3	271	13.0
New York	19,746,227	69,861	353.8	3	66,344	336.0	3,507	17.8
North Carolina	9,943,964	24,267	244.0	28	23,142	232.7	1,125	11.3
North Dakota	739,482	1,759	237.9	30	1,670	225.8	89	12.0
Ohio	11,594,163	32,438	279.8	14	28,352	244.5	4,081	35.2
Oklahoma	3,878,051	7,826	201.8	45	6,194	159.7	1,632	42.1
Oregon	3,970,239	11,567	291.3	11	10,730	270.3	837	21.1
Pennsylvania	12,787,209	39,176	306.4	8	33,720	263.7	5,453	42.6
Puerto Rico	3,548,397	9,839	277.3	N.R.	9,838	277.3	1	0.0
Rhode Island	1,055,173	3,656	346.5	4	3,420	324.1	235	22.3
South Carolina	4,832,482	10,781	223.1	37	10,209	211.3	572	11.8
South Dakota	853,175	1,974	231.4	33	1,835	215.1	139	16.3
Tennessee	6,549,352	16,184	247.1	26	15,477	236.3	707	10.8
Texas	26,956,958	57,502	213.3	41	53,400	198.1	4,098	15.2
Utah	2,942,902	6,107	207.5	43	5,668	192.6	438	14.9
Vermont	626,562	2,116	337.7	6	2,043	326.1	73	11.7
Virginia	8,326,289	21,309	255.9	23	20,211	242.7	1,098	13.2
Washington	7,061,530	18,975	268.7	18	17,897	253.4	1,077	15.3
West Virginia	1,850,326	4,564	246.7	27	3,818	206.3	746	40.3
Wisconsin	5,757,564	14,677	254.9	25	13,756	238.9	920	16.0
Wyoming	584,153	1,149	196.7	48	1,032	176.7	117	20.0

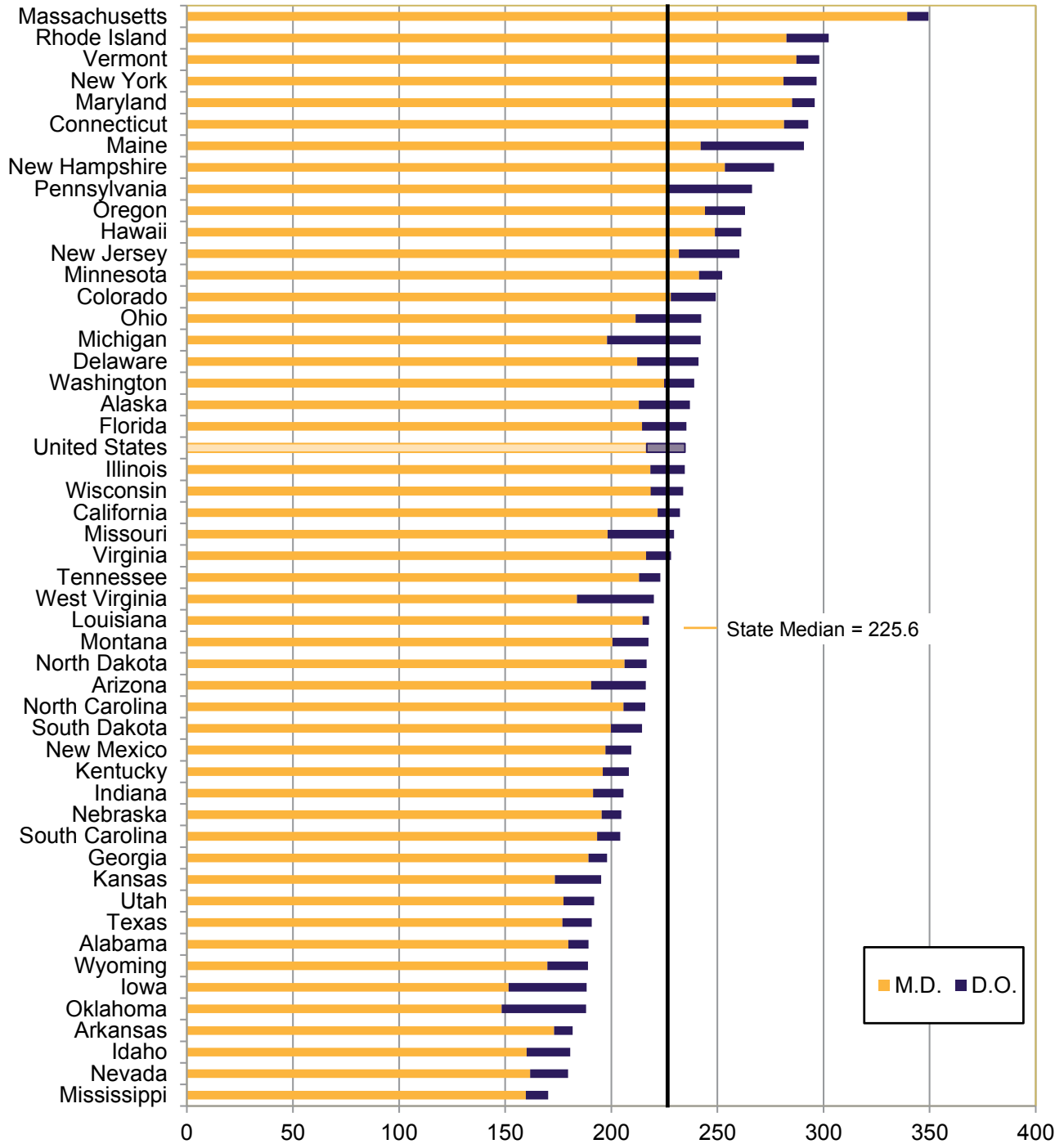
Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014).

N.R. = Not Ranked

* Physicians whose school type was unavailable (n=58) are included in the total.

2. Active Patient Care Physicians per 100,000 Population by Degree Type, 2014

Figure 1.2. Active Patient Care Physicians per 100,000 Population by Degree Type, 2014



Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014). Physicians whose school type was unavailable (n=14) are excluded.

Table 1.2. Active Patient Care Physicians per 100,000 Population by Degree Type, 2014

	Total Population	Total Active Patient Care Physicians*			Active Patient Care M.D.s		Active Patient Care D.O.s	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	318,857,056	748,340	234.7	N.R.	691,086	216.7	57,232	17.9
Alabama	4,849,377	9,176	189.2	43	8,718	179.8	458	9.4
Alaska	736,732	1,746	237.0	19	1,569	213.0	177	24.0
Arizona	6,731,484	14,558	216.3	31	12,830	190.6	1,726	25.6
Arkansas	2,966,369	5,393	181.8	47	5,132	173.0	261	8.8
California	38,802,500	90,159	232.4	23	86,077	221.8	4,082	10.5
Colorado	5,355,866	13,349	249.2	14	12,216	228.1	1,133	21.2
Connecticut	3,596,677	10,531	292.8	6	10,119	281.3	412	11.5
Delaware	935,614	2,256	241.1	17	1,986	212.3	270	28.9
District of Columbia	658,893	4,119	625.1	N.R.	4,033	612.1	86	13.1
Florida	19,893,297	46,839	235.5	20	42,671	214.5	4,164	20.9
Georgia	10,097,343	19,992	198.0	39	19,112	189.3	880	8.7
Hawaii	1,419,561	3,709	261.3	11	3,533	248.9	176	12.4
Idaho	1,634,464	2,953	180.7	48	2,618	160.2	335	20.5
Illinois	12,880,580	30,223	234.6	21	28,139	218.5	2,083	16.2
Indiana	6,596,855	13,571	205.7	36	12,630	191.5	941	14.3
Iowa	3,107,126	5,854	188.4	45	4,712	151.7	1,141	36.7
Kansas	2,904,021	5,669	195.2	40	5,038	173.5	631	21.7
Kentucky	4,413,457	9,195	208.3	35	8,649	196.0	545	12.3
Louisiana	4,649,676	10,128	217.8	28	9,982	214.7	146	3.1
Maine	1,330,089	3,869	290.9	7	3,220	242.1	648	48.7
Maryland	5,976,407	17,681	295.8	5	17,042	285.2	639	10.7
Massachusetts	6,745,408	23,574	349.5	1	22,901	339.5	672	10.0
Michigan	9,909,877	23,987	242.1	16	19,628	198.1	4,359	44.0
Minnesota	5,457,173	13,767	252.3	13	13,173	241.4	594	10.9
Mississippi	2,994,079	5,098	170.3	50	4,781	159.7	317	10.6
Missouri	6,063,589	13,919	229.6	24	12,025	198.3	1,892	31.2
Montana	1,023,579	2,227	217.6	29	2,053	200.6	174	17.0
Nebraska	1,881,503	3,853	204.8	37	3,677	195.4	176	9.4
Nevada	2,839,099	5,101	179.7	49	4,594	161.8	507	17.9
New Hampshire	1,326,813	3,671	276.7	8	3,363	253.5	308	23.2
New Jersey	8,938,175	23,273	260.4	12	20,719	231.8	2,554	28.6
New Mexico	2,085,572	4,368	209.4	34	4,113	197.2	255	12.2
New York	19,746,227	58,600	296.8	4	55,514	281.1	3,082	15.6
North Carolina	9,943,964	21,477	216.0	32	20,461	205.8	1,016	10.2
North Dakota	739,482	1,602	216.6	30	1,525	206.2	77	10.4
Ohio	11,594,163	28,097	242.3	15	24,516	211.5	3,580	30.9
Oklahoma	3,878,051	7,294	188.1	46	5,753	148.3	1,541	39.7
Oregon	3,970,239	10,443	263.0	10	9,693	244.1	750	18.9
Pennsylvania	12,787,209	34,057	266.3	9	28,977	226.6	5,078	39.7
Puerto Rico	3,548,397	8,195	230.9	N.R.	8,195	230.9	0	0.0
Rhode Island	1,055,173	3,191	302.4	2	2,981	282.5	210	19.9
South Carolina	4,832,482	9,868	204.2	38	9,345	193.4	523	10.8
South Dakota	853,175	1,830	214.5	33	1,705	199.8	125	14.7
Tennessee	6,549,352	14,608	223.0	26	13,956	213.1	652	10.0
Texas	26,956,958	51,430	190.8	42	47,702	177.0	3,727	13.8
Utah	2,942,902	5,649	192.0	41	5,223	177.5	426	14.5
Vermont	626,562	1,867	298.0	3	1,800	287.3	67	10.7
Virginia	8,326,289	18,998	228.2	25	18,019	216.4	979	11.8
Washington	7,061,530	16,884	239.1	18	15,884	224.9	999	14.1
West Virginia	1,850,326	4,071	220.0	27	3,401	183.8	670	36.2
Wisconsin	5,757,564	13,462	233.8	22	12,586	218.6	876	15.2
Wyoming	584,153	1,104	189.0	44	992	169.8	112	19.2

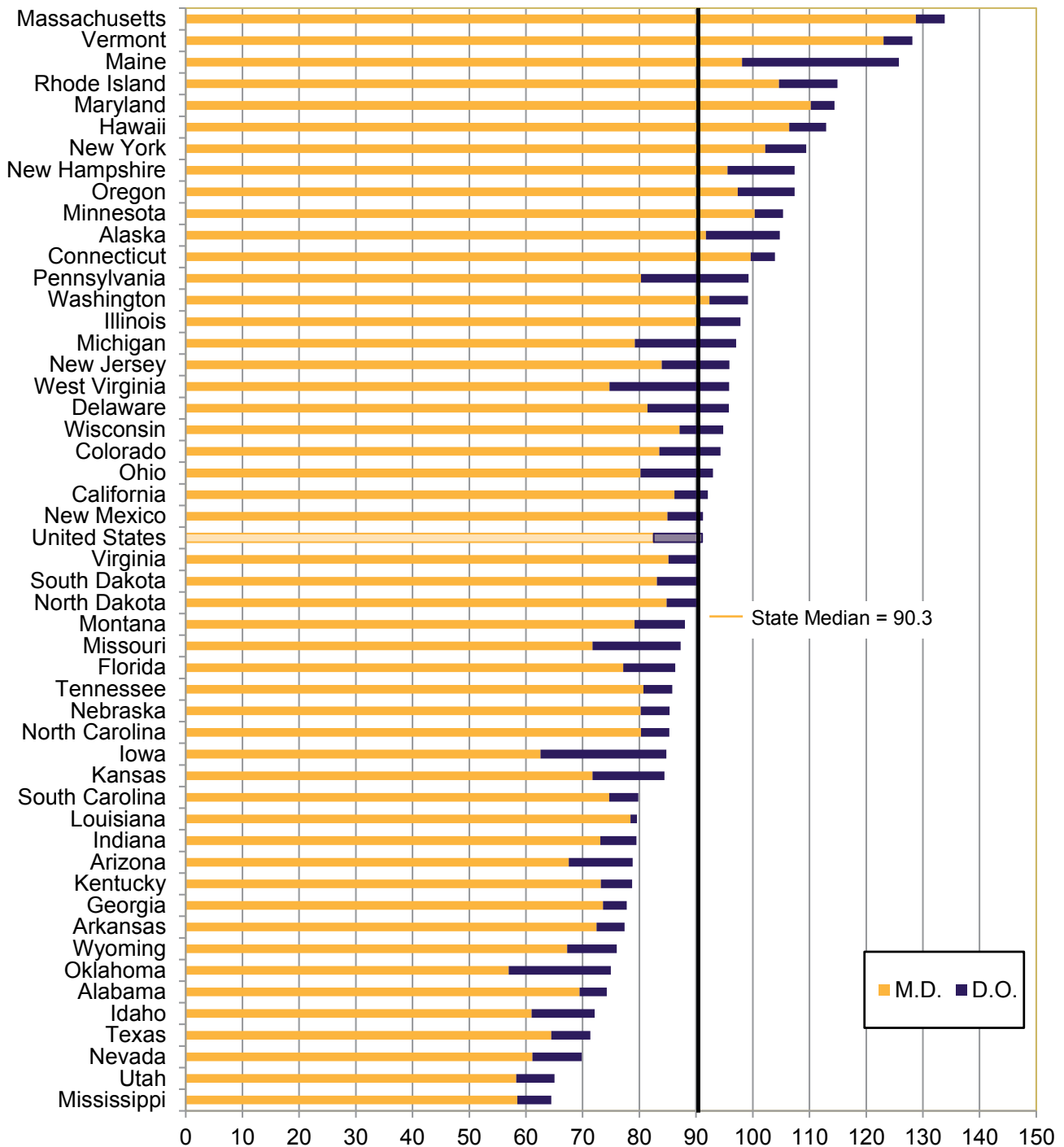
Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014).

N.R. = Not Ranked

* Physicians whose school type was unavailable (n=14) are included in the total.

3. Active Primary Care Physicians per 100,000 Population by Degree Type, 2014

Figure 1.3. Active Primary Care Physicians per 100,000 Population by Degree Type, 2014



Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014). Physicians whose school type was unavailable (n=16) are excluded.

Table 1.3. Active Primary Care Physicians per 100,000 Population by Degree Type, 2014

	Total Population	Total Active Primary Care Physicians*			Active Primary Care M.D.s		Active Primary Care D.O.s	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	318,857,056	290,396	91.1	N.R.	263,176	82.5	27,195	8.5
Alabama	4,849,377	3,600	74.2	45	3,367	69.4	233	4.8
Alaska	736,732	772	104.8	11	676	91.8	96	13.0
Arizona	6,731,484	5,306	78.8	39	4,548	67.6	757	11.2
Arkansas	2,966,369	2,295	77.4	42	2,149	72.4	146	4.9
California	38,802,500	35,725	92.1	23	33,450	86.2	2,274	5.9
Colorado	5,355,866	5,051	94.3	21	4,474	83.5	577	10.8
Connecticut	3,596,677	3,737	103.9	12	3,583	99.6	154	4.3
Delaware	935,614	896	95.8	19	762	81.4	134	14.3
District of Columbia	658,893	1,551	235.4	N.R.	1,516	230.1	35	5.3
Florida	19,893,297	17,179	86.4	30	15,352	77.2	1,822	9.2
Georgia	10,097,343	7,854	77.8	41	7,431	73.6	423	4.2
Hawaii	1,419,561	1,603	112.9	6	1,511	106.4	92	6.5
Idaho	1,634,464	1,179	72.1	46	997	61.0	182	11.1
Illinois	12,880,580	12,604	97.9	15	11,609	90.1	994	7.7
Indiana	6,596,855	5,244	79.5	38	4,824	73.1	420	6.4
Iowa	3,107,126	2,635	84.8	34	1,944	62.6	690	22.2
Kansas	2,904,021	2,452	84.4	35	2,083	71.7	369	12.7
Kentucky	4,413,457	3,475	78.7	40	3,232	73.2	242	5.5
Louisiana	4,649,676	3,699	79.6	37	3,648	78.5	51	1.1
Maine	1,330,089	1,673	125.8	3	1,305	98.1	368	27.7
Maryland	5,976,407	6,838	114.4	5	6,589	110.3	249	4.2
Massachusetts	6,745,408	9,030	133.9	1	8,685	128.8	344	5.1
Michigan	9,909,877	9,619	97.1	16	7,848	79.2	1,770	17.9
Minnesota	5,457,173	5,749	105.3	10	5,475	100.3	274	5.0
Mississippi	2,994,079	1,930	64.5	50	1,751	58.5	179	6.0
Missouri	6,063,589	5,294	87.3	29	4,351	71.8	941	15.5
Montana	1,023,579	901	88.0	28	810	79.1	91	8.9
Nebraska	1,881,503	1,605	85.3	32	1,510	80.3	95	5.0
Nevada	2,839,099	1,982	69.8	48	1,736	61.1	246	8.7
New Hampshire	1,326,813	1,425	107.4	8	1,268	95.6	157	11.8
New Jersey	8,938,175	8,569	95.9	17	7,505	84.0	1,064	11.9
New Mexico	2,085,572	1,902	91.2	24	1,772	85.0	130	6.2
New York	19,746,227	21,612	109.4	7	20,183	102.2	1,425	7.2
North Carolina	9,943,964	8,482	85.3	33	7,983	80.3	499	5.0
North Dakota	739,482	666	90.1	27	627	84.8	39	5.3
Ohio	11,594,163	10,784	93.0	22	9,299	80.2	1,483	12.8
Oklahoma	3,878,051	2,907	75.0	44	2,208	56.9	699	18.0
Oregon	3,970,239	4,264	107.4	9	3,865	97.3	399	10.0
Pennsylvania	12,787,209	12,693	99.3	13	10,268	80.3	2,423	18.9
Puerto Rico	3,548,397	4,014	113.1	N.R.	4,014	113.1	0	0.0
Rhode Island	1,055,173	1,213	115.0	4	1,104	104.6	109	10.3
South Carolina	4,832,482	3,856	79.8	36	3,610	74.7	246	5.1
South Dakota	853,175	771	90.4	26	709	83.1	62	7.3
Tennessee	6,549,352	5,618	85.8	31	5,286	80.7	332	5.1
Texas	26,956,958	19,234	71.4	47	17,383	64.5	1,849	6.9
Utah	2,942,902	1,914	65.0	49	1,716	58.3	198	6.7
Vermont	626,562	803	128.2	2	771	123.1	32	5.1
Virginia	8,326,289	7,529	90.4	25	7,090	85.2	439	5.3
Washington	7,061,530	7,002	99.2	14	6,522	92.4	479	6.8
West Virginia	1,850,326	1,773	95.8	18	1,383	74.7	390	21.1
Wisconsin	5,757,564	5,457	94.8	20	5,015	87.1	442	7.7
Wyoming	584,153	444	76.0	43	393	67.3	51	8.7

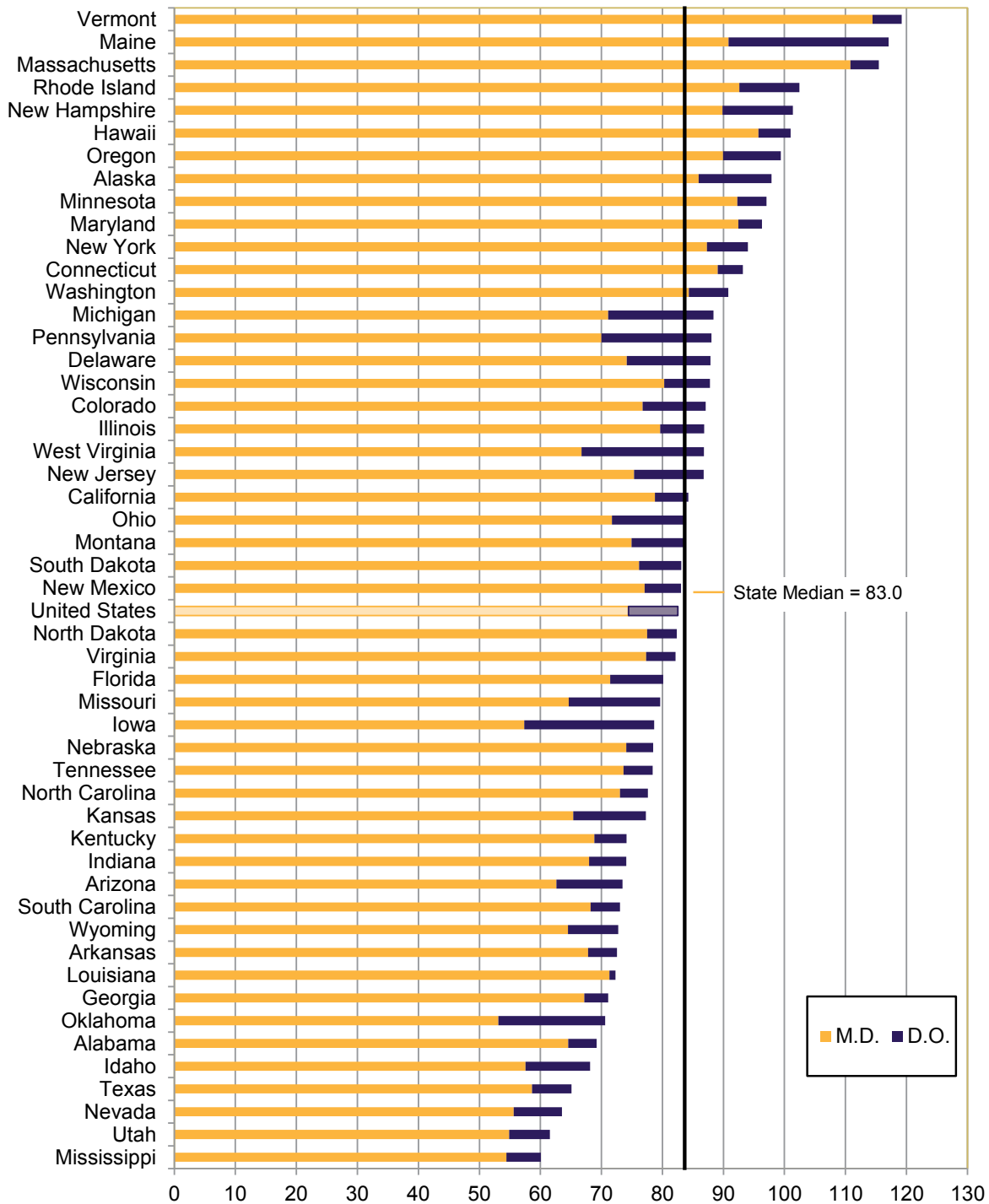
Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014).

N.R. = Not Ranked

* Physicians whose school type was unavailable (n=16) are included in the total.

4. Active Patient Care Primary Care Physicians per 100,000 Population by Degree Type, 2014

Figure 1.4. Active Patient Care Primary Care Physicians per 100,000 Population by Degree Type, 2014



Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014).

Physicians whose school type was unavailable (n=12) are excluded.

Table 1.4. Active Patient Care Primary Care Physicians per 100,000 Population by Degree Type, 2014

	Total Population	Total Active Patient Care Primary Care Physicians*			Active Patient Care Primary Care M.D.s		Active Patient Care Primary Care D.O.s	
		Number	Rate per 100,000		Number	Rate per 100,000	Number	Rate per 100,000
			Rank	Rank				
United States	318,857,056	263,159	82.5	N.R.	237,370	74.4	25,770	8.1
Alabama	4,849,377	3,356	69.2	45	3,130	64.5	226	4.7
Alaska	736,732	721	97.9	8	633	85.9	88	11.9
Arizona	6,731,484	4,946	73.5	38	4,216	62.6	729	10.8
Arkansas	2,966,369	2,152	72.5	41	2,011	67.8	141	4.8
California	38,802,500	32,684	84.2	22	30,557	78.8	2,127	5.5
Colorado	5,355,866	4,664	87.1	18	4,111	76.8	553	10.3
Connecticut	3,596,677	3,351	93.2	12	3,203	89.1	148	4.1
Delaware	935,614	822	87.9	16	694	74.2	128	13.7
District of Columbia	658,893	1,180	179.1	N.R.	1,151	174.7	29	4.4
Florida	19,893,297	15,941	80.1	29	14,208	71.4	1,729	8.7
Georgia	10,097,343	7,179	71.1	43	6,786	67.2	393	3.9
Hawaii	1,419,561	1,434	101.0	6	1,359	95.7	75	5.3
Idaho	1,634,464	1,114	68.2	46	941	57.6	173	10.6
Illinois	12,880,580	11,186	86.8	19	10,258	79.6	927	7.2
Indiana	6,596,855	4,887	74.1	37	4,484	68.0	403	6.1
Iowa	3,107,126	2,445	78.7	31	1,782	57.4	662	21.3
Kansas	2,904,021	2,245	77.3	35	1,899	65.4	346	11.9
Kentucky	4,413,457	3,272	74.1	36	3,039	68.9	232	5.3
Louisiana	4,649,676	3,362	72.3	42	3,316	71.3	46	1.0
Maine	1,330,089	1,557	117.1	2	1,208	90.8	349	26.2
Maryland	5,976,407	5,757	96.3	10	5,525	92.4	232	3.9
Massachusetts	6,745,408	7,789	115.5	3	7,476	110.8	313	4.6
Michigan	9,909,877	8,756	88.4	14	7,046	71.1	1,710	17.3
Minnesota	5,457,173	5,296	97.0	9	5,035	92.3	261	4.8
Mississippi	2,994,079	1,798	60.1	50	1,629	54.4	169	5.6
Missouri	6,063,589	4,831	79.7	30	3,919	64.6	910	15.0
Montana	1,023,579	857	83.7	24	767	74.9	90	8.8
Nebraska	1,881,503	1,477	78.5	32	1,394	74.1	83	4.4
Nevada	2,839,099	1,804	63.5	48	1,579	55.6	225	7.9
New Hampshire	1,326,813	1,345	101.4	5	1,192	89.8	153	11.5
New Jersey	8,938,175	7,753	86.7	21	6,735	75.4	1,018	11.4
New Mexico	2,085,572	1,732	83.0	26	1,608	77.1	124	5.9
New York	19,746,227	18,564	94.0	11	17,237	87.3	1,323	6.7
North Carolina	9,943,964	7,719	77.6	34	7,264	73.0	455	4.6
North Dakota	739,482	609	82.4	27	573	77.5	36	4.9
Ohio	11,594,163	9,727	83.9	23	8,318	71.7	1,408	12.1
Oklahoma	3,878,051	2,739	70.6	44	2,060	53.1	679	17.5
Oregon	3,970,239	3,947	99.4	7	3,571	89.9	376	9.5
Pennsylvania	12,787,209	11,258	88.0	15	8,950	70.0	2,306	18.0
Puerto Rico	3,548,397	3,580	100.9	N.R.	3,580	100.9	0	0.0
Rhode Island	1,055,173	1,081	102.4	4	977	92.6	104	9.9
South Carolina	4,832,482	3,529	73.0	39	3,297	68.2	232	4.8
South Dakota	853,175	709	83.1	25	650	76.2	59	6.9
Tennessee	6,549,352	5,134	78.4	33	4,822	73.6	312	4.8
Texas	26,956,958	17,553	65.1	47	15,799	58.6	1,753	6.5
Utah	2,942,902	1,812	61.6	49	1,615	54.9	197	6.7
Vermont	626,562	747	119.2	1	717	114.4	30	4.8
Virginia	8,326,289	6,840	82.1	28	6,438	77.3	402	4.8
Washington	7,061,530	6,412	90.8	13	5,955	84.3	456	6.5
West Virginia	1,850,326	1,606	86.8	20	1,235	66.7	371	20.1
Wisconsin	5,757,564	5,055	87.8	17	4,624	80.3	431	7.5
Wyoming	584,153	425	72.8	40	377	64.5	48	8.2

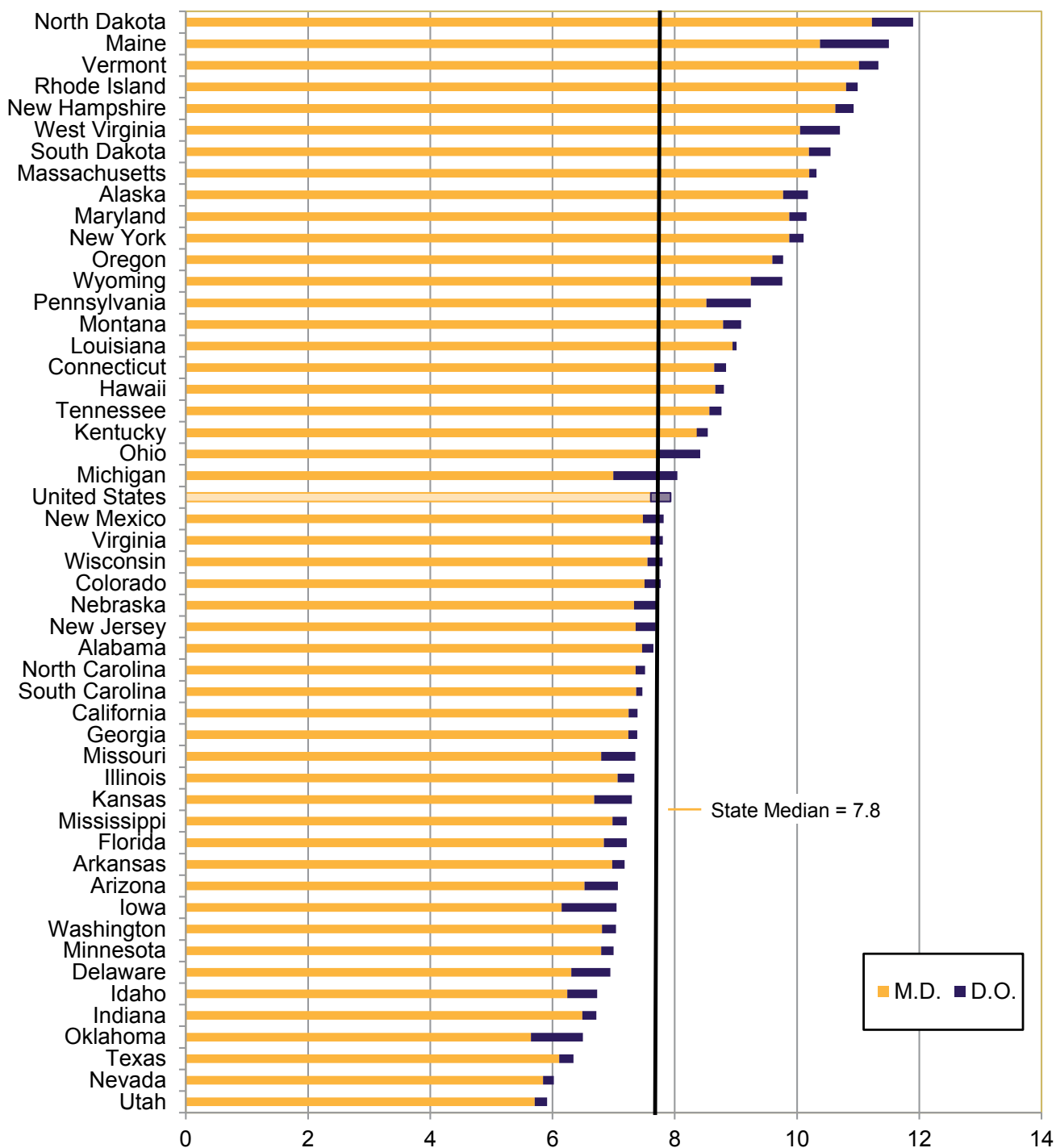
Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014).

N.R. = Not Ranked

* Physicians whose school type was unavailable (n=12) are included in the total.

5. Active General Surgeons per 100,000 Population by Degree Type, 2014

Figure 1.5. Active General Surgeons per 100,000 Population by Degree Type, 2014



Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014). Physicians whose school type was unavailable (n=4) are excluded.

Table 1.5. Active General Surgeons per 100,000 Population by Degree Type, 2014

	Total Population	Total Active General Surgeons*			Active General Surgeon M.D.s		Active General Surgeon D.O.s	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	318,857,056	25,294	7.9	N.R.	24,262	7.6	1,028	0.3
Alabama	4,849,377	371	7.7	29	362	7.5	9	0.2
Alaska	736,732	75	10.2	9	72	9.8	3	0.4
Arizona	6,731,484	477	7.1	40	439	6.5	37	0.5
Arkansas	2,966,369	213	7.2	39	207	7.0	6	0.2
California	38,802,500	2,868	7.4	32	2,812	7.2	56	0.1
Colorado	5,355,866	416	7.8	26	402	7.5	14	0.3
Connecticut	3,596,677	318	8.8	17	311	8.6	7	0.2
Delaware	935,614	65	6.9	44	59	6.3	6	0.6
District of Columbia	658,893	180	27.3	N.R.	180	27.3	0	0.0
Florida	19,893,297	1,435	7.2	38	1,361	6.8	74	0.4
Georgia	10,097,343	746	7.4	33	731	7.2	15	0.1
Hawaii	1,419,561	125	8.8	18	123	8.7	2	0.1
Idaho	1,634,464	110	6.7	45	102	6.2	8	0.5
Illinois	12,880,580	945	7.3	35	910	7.1	35	0.3
Indiana	6,596,855	443	6.7	46	428	6.5	15	0.2
Iowa	3,107,126	219	7.0	41	191	6.1	28	0.9
Kansas	2,904,021	212	7.3	36	194	6.7	18	0.6
Kentucky	4,413,457	377	8.5	20	369	8.4	8	0.2
Louisiana	4,649,676	419	9.0	16	416	8.9	3	0.1
Maine	1,330,089	153	11.5	2	138	10.4	15	1.1
Maryland	5,976,407	607	10.2	10	590	9.9	17	0.3
Massachusetts	6,745,408	696	10.3	8	688	10.2	8	0.1
Michigan	9,909,877	797	8.0	22	693	7.0	104	1.0
Minnesota	5,457,173	382	7.0	43	371	6.8	11	0.2
Mississippi	2,994,079	216	7.2	37	209	7.0	7	0.2
Missouri	6,063,589	446	7.4	34	412	6.8	34	0.6
Montana	1,023,579	93	9.1	15	90	8.8	3	0.3
Nebraska	1,881,503	145	7.7	27	138	7.3	7	0.4
Nevada	2,839,099	171	6.0	49	166	5.8	5	0.2
New Hampshire	1,326,813	145	10.9	5	141	10.6	4	0.3
New Jersey	8,938,175	687	7.7	28	658	7.4	29	0.3
New Mexico	2,085,572	163	7.8	23	156	7.5	7	0.3
New York	19,746,227	1,997	10.1	11	1,950	9.9	46	0.2
North Carolina	9,943,964	747	7.5	30	732	7.4	15	0.2
North Dakota	739,482	88	11.9	1	83	11.2	5	0.7
Ohio	11,594,163	977	8.4	21	898	7.7	78	0.7
Oklahoma	3,878,051	252	6.5	47	219	5.6	33	0.9
Oregon	3,970,239	388	9.8	12	381	9.6	7	0.2
Pennsylvania	12,787,209	1,182	9.2	14	1,089	8.5	93	0.7
Puerto Rico	3,548,397	261	7.4	N.R.	261	7.4	0	0.0
Rhode Island	1,055,173	117	11.1	4	114	10.8	2	0.2
South Carolina	4,832,482	361	7.5	31	356	7.4	5	0.1
South Dakota	853,175	90	10.5	7	87	10.2	3	0.4
Tennessee	6,549,352	574	8.8	19	561	8.6	13	0.2
Texas	26,956,958	1,710	6.3	48	1,647	6.1	63	0.2
Utah	2,942,902	174	5.9	50	168	5.7	6	0.2
Vermont	626,562	71	11.3	3	69	11.0	2	0.3
Virginia	8,326,289	650	7.8	24	633	7.6	17	0.2
Washington	7,061,530	497	7.0	42	481	6.8	16	0.2
West Virginia	1,850,326	198	10.7	6	186	10.1	12	0.6
Wisconsin	5,757,564	449	7.8	25	435	7.6	14	0.2
Wyoming	584,153	57	9.8	13	54	9.2	3	0.5

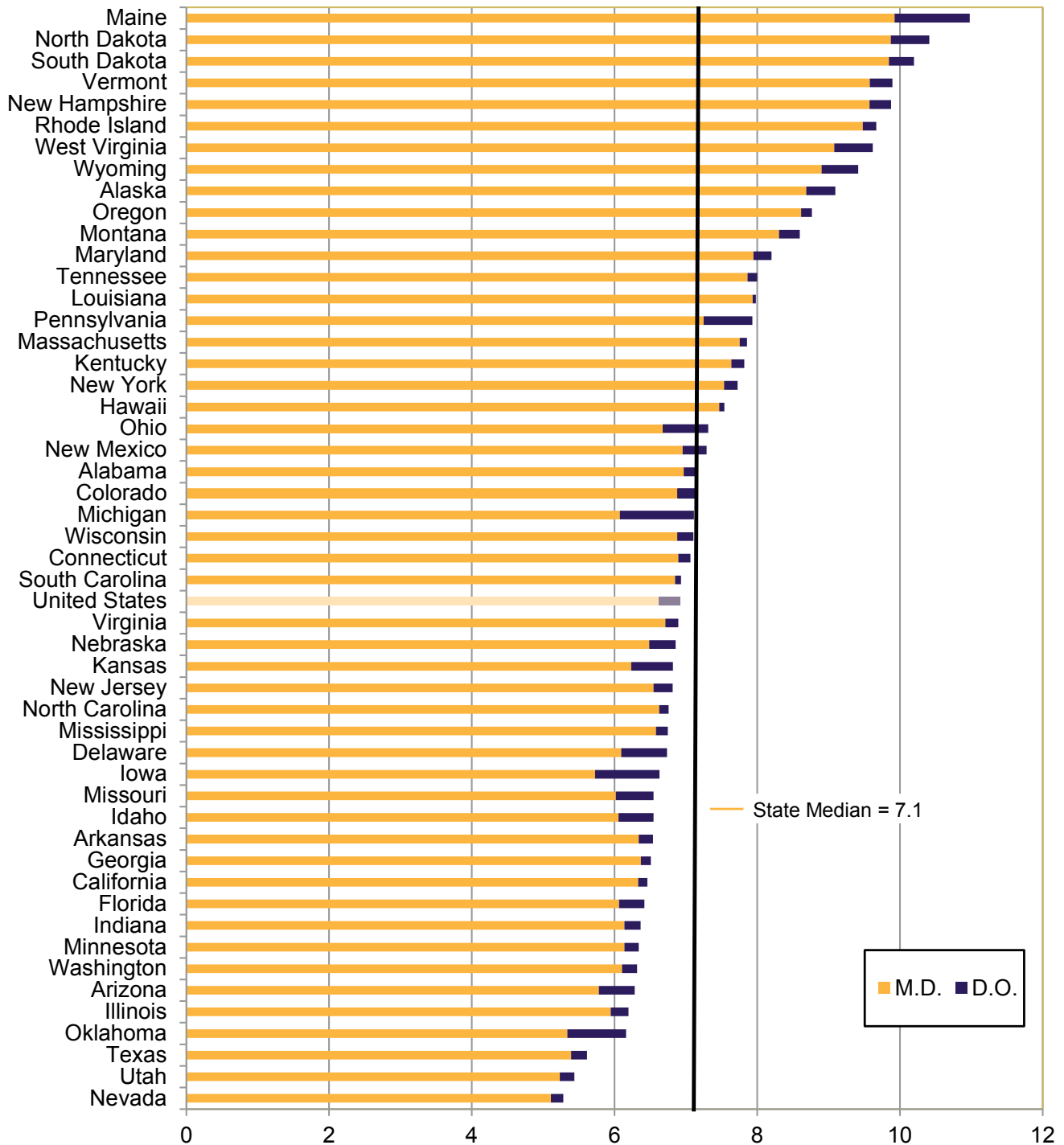
Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014).

N.R. = Not Ranked

* Physicians whose school type was unavailable (n=4) are included in the total.

6. Active Patient Care General Surgeons per 100,000 Population by Degree Type, 2014

Figure 1.6. Active Patient Care General Surgeons per 100,000 Population by Degree Type, 2014



Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014).

Table 1.6. Active Patient Care General Surgeons per 100,000 Population by Degree Type, 2014

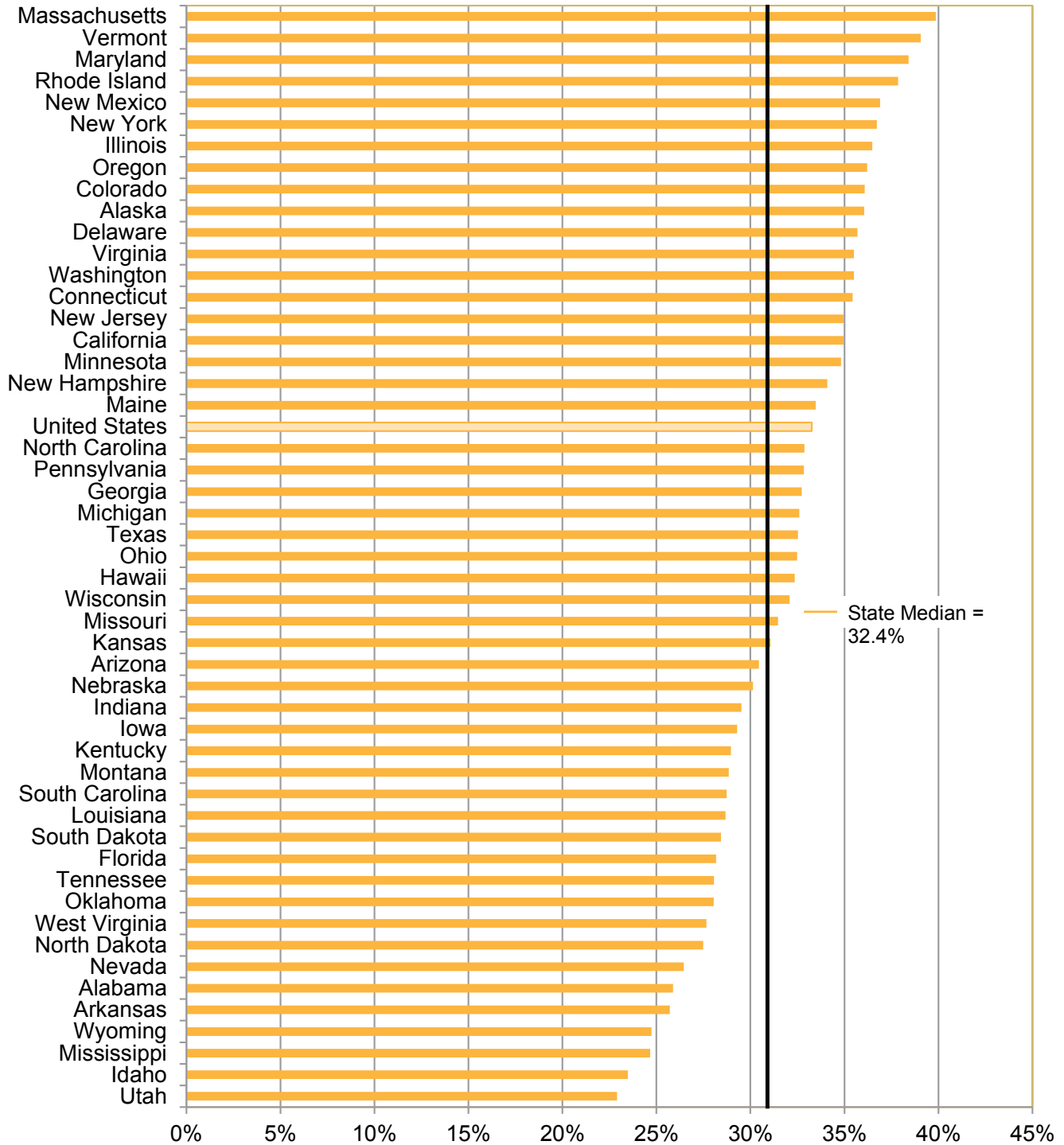
	Total Population	Total Active Patient Care General Surgeons*			Active Patient Care General Surgeon M.D.s		Active Patient Care General Surgeon D.O.s	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	318,857,056	22,073	6.9	N.R.	21,119	6.6	954	0.3
Alabama	4,849,377	347	7.2	22	338	7.0	9	0.2
Alaska	736,732	67	9.1	9	64	8.7	3	0.4
Arizona	6,731,484	423	6.3	45	389	5.8	34	0.5
Arkansas	2,966,369	194	6.5	38	188	6.3	6	0.2
California	38,802,500	2,506	6.5	40	2,457	6.3	49	0.1
Colorado	5,355,866	382	7.1	23	369	6.9	13	0.2
Connecticut	3,596,677	254	7.1	26	248	6.9	6	0.2
Delaware	935,614	63	6.7	34	57	6.1	6	0.6
District of Columbia	658,893	108	16.4	N.R.	108	16.4	0	0.0
Florida	19,893,297	1,277	6.4	41	1,206	6.1	71	0.4
Georgia	10,097,343	657	6.5	39	643	6.4	14	0.1
Hawaii	1,419,561	107	7.5	19	106	7.5	1	0.1
Idaho	1,634,464	107	6.5	37	99	6.1	8	0.5
Illinois	12,880,580	798	6.2	46	766	5.9	32	0.2
Indiana	6,596,855	420	6.4	42	405	6.1	15	0.2
Iowa	3,107,126	206	6.6	35	178	5.7	28	0.9
Kansas	2,904,021	198	6.8	30	181	6.2	17	0.6
Kentucky	4,413,457	345	7.8	17	337	7.6	8	0.2
Louisiana	4,649,676	371	8.0	14	369	7.9	2	0.0
Maine	1,330,089	146	11.0	1	132	9.9	14	1.1
Maryland	5,976,407	490	8.2	12	475	7.9	15	0.3
Massachusetts	6,745,408	530	7.9	16	523	7.8	7	0.1
Michigan	9,909,877	705	7.1	24	602	6.1	103	1.0
Minnesota	5,457,173	346	6.3	43	335	6.1	11	0.2
Mississippi	2,994,079	202	6.7	33	197	6.6	5	0.2
Missouri	6,063,589	397	6.5	36	365	6.0	32	0.5
Montana	1,023,579	88	8.6	11	85	8.3	3	0.3
Nebraska	1,881,503	129	6.9	29	122	6.5	7	0.4
Nevada	2,839,099	150	5.3	50	145	5.1	5	0.2
New Hampshire	1,326,813	131	9.9	5	127	9.6	4	0.3
New Jersey	8,938,175	609	6.8	31	585	6.5	24	0.3
New Mexico	2,085,572	152	7.3	21	145	7.0	7	0.3
New York	19,746,227	1,525	7.7	18	1,488	7.5	37	0.2
North Carolina	9,943,964	672	6.8	32	659	6.6	13	0.1
North Dakota	739,482	77	10.4	2	73	9.9	4	0.5
Ohio	11,594,163	848	7.3	20	774	6.7	74	0.6
Oklahoma	3,878,051	239	6.2	47	207	5.3	32	0.8
Oregon	3,970,239	348	8.8	10	342	8.6	6	0.2
Pennsylvania	12,787,209	1,014	7.9	15	927	7.2	87	0.7
Puerto Rico	3,548,397	232	6.5	N.R.	232	6.5	0	0.0
Rhode Island	1,055,173	102	9.7	6	100	9.5	2	0.2
South Carolina	4,832,482	335	6.9	27	331	6.8	4	0.1
South Dakota	853,175	87	10.2	3	84	9.8	3	0.4
Tennessee	6,549,352	524	8.0	13	515	7.9	9	0.1
Texas	26,956,958	1,513	5.6	48	1,453	5.4	60	0.2
Utah	2,942,902	160	5.4	49	154	5.2	6	0.2
Vermont	626,562	62	9.9	4	60	9.6	2	0.3
Virginia	8,326,289	574	6.9	28	559	6.7	15	0.2
Washington	7,061,530	446	6.3	44	431	6.1	15	0.2
West Virginia	1,850,326	178	9.6	7	168	9.1	10	0.5
Wisconsin	5,757,564	409	7.1	25	396	6.9	13	0.2
Wyoming	584,153	55	9.4	8	52	8.9	3	0.5

Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014). Physician data are from the 2015 AMA Physician Masterfile (December 31, 2014).

N.R. = Not Ranked

7. Active Female Physicians, 2014

Figure 1.7. Active Female Physicians, 2014



Source: 2015 AMA Physician Masterfile (December 31, 2014).
 Physicians whose sex was missing (n=1,093) are excluded.

Table 1.7. Active Female Physicians, 2014

	Total Active Physicians*	Active Female Physicians		
		Number	Percent	Rank
United States	845,594	281,259	33.3%	N.R.
Alabama	9,987	2,585	25.9%	45
Alaska	1,881	678	36.0%	10
Arizona	15,725	4,789	30.5%	30
Arkansas	5,872	1,510	25.7%	46
California	101,662	35,534	35.0%	16
Colorado	14,618	5,273	36.1%	9
Connecticut	12,140	4,301	35.4%	14
Delaware	2,496	891	35.7%	11
District of Columbia	5,590	2,460	44.0%	N.R.
Florida	51,090	14,395	28.2%	39
Georgia	22,288	7,294	32.7%	22
Hawaii	4,203	1,360	32.4%	26
Idaho	3,096	727	23.5%	49
Illinois	34,919	12,738	36.5%	7
Indiana	14,670	4,331	29.5%	32
Iowa	6,545	1,917	29.3%	33
Kansas	6,215	1,931	31.1%	29
Kentucky	9,928	2,876	29.0%	34
Louisiana	11,195	3,210	28.7%	37
Maine	4,170	1,396	33.5%	19
Maryland	22,123	8,499	38.4%	3
Massachusetts	29,133	11,614	39.9%	1
Michigan	26,899	8,768	32.6%	23
Minnesota	15,424	5,370	34.8%	17
Mississippi	5,526	1,363	24.7%	48
Missouri	15,778	4,965	31.5%	28
Montana	2,347	677	28.8%	35
Nebraska	4,248	1,280	30.1%	31
Nevada	5,594	1,480	26.5%	44
New Hampshire	3,983	1,358	34.1%	18
New Jersey	25,877	9,045	35.0%	15
New Mexico	4,903	1,809	36.9%	5
New York	69,750	25,617	36.7%	6
North Carolina	24,253	7,971	32.9%	20
North Dakota	1,757	483	27.5%	43
Ohio	32,401	10,525	32.5%	25
Oklahoma	7,810	2,190	28.0%	41
Oregon	11,551	4,183	36.2%	8
Pennsylvania	39,128	12,850	32.8%	21
Puerto Rico	9,809	3,595	36.7%	N.R.
Rhode Island	3,654	1,383	37.8%	4
South Carolina	10,769	3,095	28.7%	36
South Dakota	1,973	561	28.4%	38
Tennessee	16,178	4,540	28.1%	40
Texas	57,413	18,674	32.5%	24
Utah	6,102	1,398	22.9%	50
Vermont	2,115	826	39.1%	2
Virginia	21,286	7,558	35.5%	12
Washington	18,957	6,731	35.5%	13
West Virginia	4,556	1,260	27.7%	42
Wisconsin	14,668	4,706	32.1%	27
Wyoming	1,148	284	24.7%	47

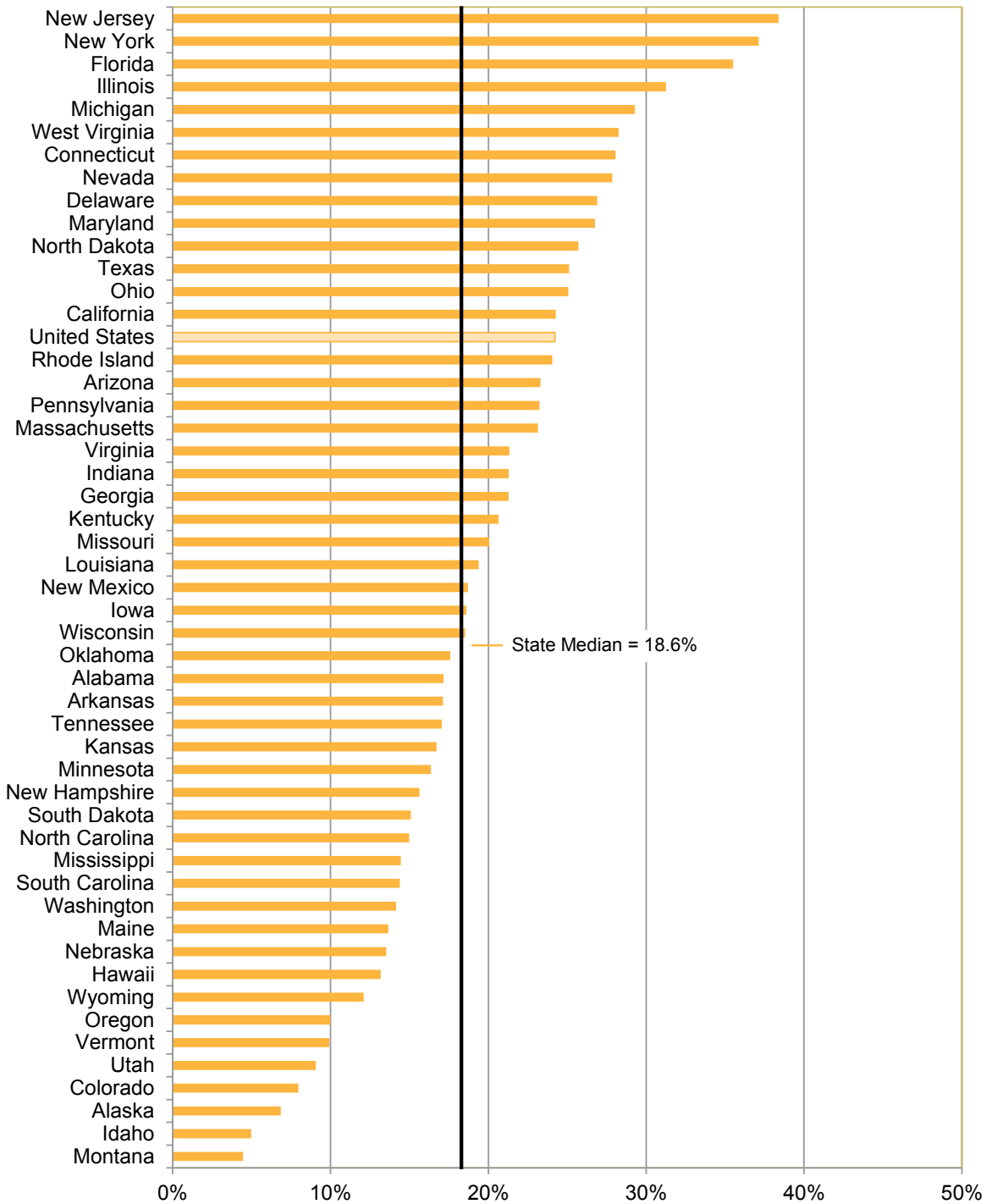
Source: AMA Physician Masterfile (December 31, 2014).

N.R. = Not Ranked

* Physicians whose sex was missing (n=1,093) are excluded.

8. Active Physicians by School Type, 2014

Figure 1.8. Active Physicians Who Are International Medical Graduates, 2014



Source: 2015 AMA Physician Masterfile (December 31, 2014).

The total excludes active physicians whose school type was unavailable (n=58) and physicians who are graduates of Canadian medical schools (n=9,403).

Table 1.8. Active Physicians by School Type, 2014

	Total Active Physicians*		U.S.M.D.		D.O.		IMG		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Rank
United States	846,626		569,633	67.3%	62,644	7.4%	205,053	24.2%	N.R.
Alabama	9,992		7,695	77.0%	487	4.9%	1,714	17.2%	29
Alaska	1,883		1,540	81.8%	200	10.6%	129	6.9%	48
Arizona	15,751		9,987	63.4%	1,822	11.6%	3,671	23.3%	16
Arkansas	5,877		4,560	77.6%	278	4.7%	1,007	17.1%	30
California	101,857		71,151	69.9%	4,563	4.5%	24,721	24.3%	14
Colorado	14,631		12,111	82.8%	1,201	8.2%	1,165	8.0%	47
Connecticut	12,148		8,166	67.2%	450	3.7%	3,408	28.1%	7
Delaware	2,495		1,518	60.8%	290	11.6%	671	26.9%	9
District of Columbia	5,596		4,218	75.4%	120	2.1%	1,207	21.6%	N.R.
Florida	51,154		28,088	54.9%	4,469	8.7%	18,162	35.5%	3
Georgia	22,302		16,425	73.6%	967	4.3%	4,746	21.3%	21
Hawaii	4,209		3,378	80.3%	216	5.1%	555	13.2%	42
Idaho	3,099		2,549	82.3%	360	11.6%	154	5.0%	49
Illinois	34,967		21,430	61.3%	2,350	6.7%	10,927	31.2%	4
Indiana	14,686		10,414	70.9%	997	6.8%	3,128	21.3%	20
Iowa	6,556		4,043	61.7%	1,218	18.6%	1,220	18.6%	26
Kansas	6,220		4,450	71.5%	689	11.1%	1,040	16.7%	32
Kentucky	9,935		7,187	72.3%	590	5.9%	2,051	20.6%	22
Louisiana	11,199		8,803	78.6%	162	1.4%	2,172	19.4%	24
Maine	4,173		2,812	67.4%	692	16.6%	570	13.7%	40
Maryland	22,148		15,276	69.0%	742	3.4%	5,924	26.7%	10
Massachusetts	29,159		20,909	71.7%	775	2.7%	6,748	23.1%	18
Michigan	26,943		14,130	52.4%	4,660	17.3%	7,891	29.3%	5
Minnesota	15,438		11,906	77.1%	635	4.1%	2,526	16.4%	33
Mississippi	5,530		4,349	78.6%	352	6.4%	799	14.4%	37
Missouri	15,789		10,464	66.3%	2,074	13.1%	3,167	20.1%	23
Montana	2,349		2,044	87.0%	183	7.8%	105	4.5%	50
Nebraska	4,251		3,445	81.0%	196	4.6%	575	13.5%	41
Nevada	5,604		3,387	60.4%	605	10.8%	1,561	27.9%	8
New Hampshire	3,985		2,924	73.4%	325	8.2%	623	15.6%	34
New Jersey	25,930		13,108	50.6%	2,761	10.6%	9,953	38.4%	1
New Mexico	4,908		3,678	74.9%	271	5.5%	918	18.7%	25
New York	69,851		39,645	56.8%	3,507	5.0%	25,929	37.1%	2
North Carolina	24,267		19,281	79.5%	1,125	4.6%	3,637	15.0%	36
North Dakota	1,759		1,159	65.9%	89	5.1%	452	25.7%	11
Ohio	32,433		19,863	61.2%	4,081	12.6%	8,128	25.1%	13
Oklahoma	7,826		4,779	61.1%	1,632	20.9%	1,377	17.6%	28
Oregon	11,567		9,388	81.2%	837	7.2%	1,156	10.0%	44
Pennsylvania	39,173		24,307	62.1%	5,453	13.9%	9,103	23.2%	17
Puerto Rico	9,839		4,794	48.7%	1	0.0%	5,044	51.3%	N.R.
Rhode Island	3,655		2,489	68.1%	235	6.4%	879	24.0%	15
South Carolina	10,781		8,605	79.8%	572	5.3%	1,552	14.4%	38
South Dakota	1,974		1,525	77.3%	139	7.0%	298	15.1%	35
Tennessee	16,184		12,580	77.7%	707	4.4%	2,758	17.0%	31
Texas	57,498		38,437	66.8%	4,098	7.1%	14,438	25.1%	12
Utah	6,106		5,054	82.8%	438	7.2%	553	9.1%	46
Vermont	2,116		1,755	82.9%	73	3.4%	210	9.9%	45
Virginia	21,309		15,516	72.8%	1,098	5.2%	4,544	21.3%	19
Washington	18,974		14,785	77.9%	1,077	5.7%	2,684	14.1%	39
West Virginia	4,564		2,503	54.8%	746	16.3%	1,289	28.2%	6
Wisconsin	14,676		10,930	74.5%	920	6.3%	2,719	18.5%	27
Wyoming	1,149		887	77.2%	117	10.2%	139	12.1%	43

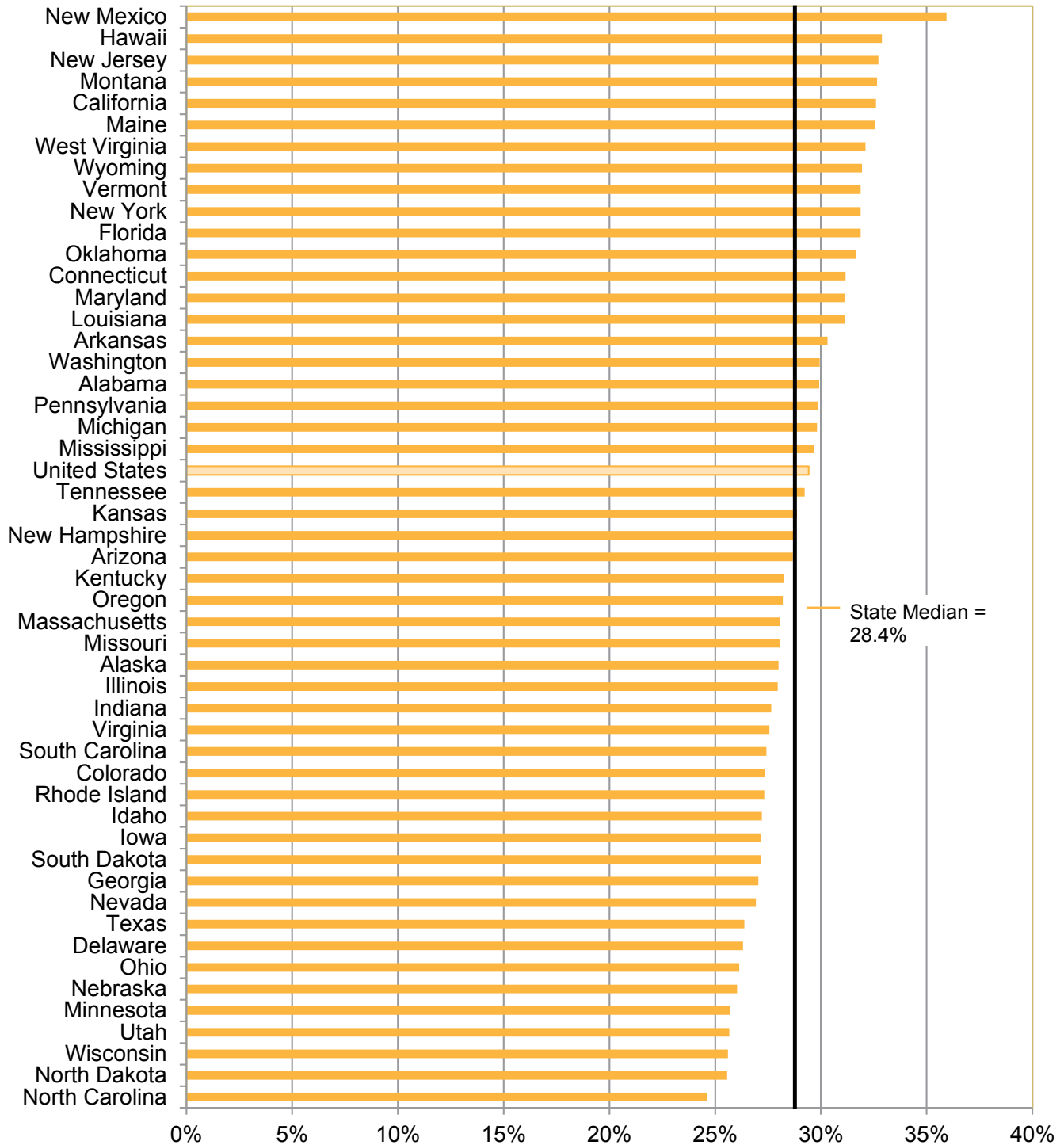
Source: AMA Physician Masterfile (December 31, 2014).

N.R. = Not Ranked

* The total excludes active physicians whose school type was unavailable (n=58). Physicians who are graduates of Canadian medical schools are included in the total (n=9,403).

9. Active Physicians by Selected Age Groups, 2014

Figure 1.9. Active Physicians Who Are Age 60 or Older, 2014



Source: 2015 AMA Physician Masterfile (December 31, 2014).
 Physicians whose age was missing (n=1,643) are excluded.

Table 1.9. Active Physicians by Selected Age Groups, 2014

	Total Active Physicians*		Under Age 40		Age 60 or Older		Rank
	Number		Number	Percent	Number	Percent	
United States	844,854		143,308	17.0%	248,572	29.4%	N.R.
Alabama	9,985		1,622	16.2%	2,988	29.9%	18
Alaska	1,875		297	15.8%	525	28.0%	30
Arizona	15,657		2,251	14.4%	4,489	28.7%	25
Arkansas	5,872		1,017	17.3%	1,780	30.3%	16
California	101,752		15,903	15.6%	33,178	32.6%	5
Colorado	14,614		2,373	16.2%	3,998	27.4%	35
Connecticut	12,136		1,933	15.9%	3,783	31.2%	13
Delaware	2,493		399	16.0%	656	26.3%	43
District of Columbia	5,595		1,338	23.9%	1,671	29.9%	N.R.
Florida	50,962		6,798	13.3%	16,244	31.9%	11
Georgia	22,285		3,740	16.8%	6,025	27.0%	40
Hawaii	4,208		623	14.8%	1,384	32.9%	2
Idaho	3,099		441	14.2%	843	27.2%	37
Illinois	34,933		6,864	19.6%	9,768	28.0%	31
Indiana	14,677		2,401	16.4%	4,058	27.6%	32
Iowa	6,535		1,253	19.2%	1,776	27.2%	38
Kansas	6,205		1,226	19.8%	1,791	28.9%	23
Kentucky	9,920		1,814	18.3%	2,804	28.3%	26
Louisiana	11,193		2,084	18.6%	3,486	31.1%	15
Maine	4,162		520	12.5%	1,355	32.6%	6
Maryland	22,116		3,605	16.3%	6,890	31.2%	14
Massachusetts	29,154		5,447	18.7%	8,182	28.1%	28
Michigan	26,712		4,715	17.7%	7,965	29.8%	20
Minnesota	15,431		2,830	18.3%	3,968	25.7%	46
Mississippi	5,527		919	16.6%	1,641	29.7%	21
Missouri	15,763		3,076	19.5%	4,423	28.1%	29
Montana	2,346		284	12.1%	766	32.7%	4
Nebraska	4,244		837	19.7%	1,105	26.0%	45
Nevada	5,573		751	13.5%	1,501	26.9%	41
New Hampshire	3,981		553	13.9%	1,142	28.7%	24
New Jersey	25,880		3,445	13.3%	8,469	32.7%	3
New Mexico	4,903		674	13.7%	1,762	35.9%	1
New York	69,778		12,212	17.5%	22,243	31.9%	10
North Carolina	24,262		4,373	18.0%	5,976	24.6%	50
North Dakota	1,756		419	23.9%	449	25.6%	49
Ohio	32,199		6,365	19.8%	8,415	26.1%	44
Oklahoma	7,792		1,343	17.2%	2,466	31.6%	12
Oregon	11,512		1,825	15.9%	3,246	28.2%	27
Pennsylvania	39,044		6,977	17.9%	11,661	29.9%	19
Puerto Rico	9,809		1,330	13.6%	3,329	33.9%	N.R.
Rhode Island	3,652		697	19.1%	998	27.3%	36
South Carolina	10,777		1,836	17.0%	2,956	27.4%	34
South Dakota	1,969		372	18.9%	535	27.2%	39
Tennessee	16,164		2,646	16.4%	4,724	29.2%	22
Texas	57,400		11,032	19.2%	15,140	26.4%	42
Utah	6,098		1,043	17.1%	1,565	25.7%	47
Vermont	2,114		278	13.2%	674	31.9%	9
Virginia	21,281		3,530	16.6%	5,866	27.6%	33
Washington	18,954		2,916	15.4%	5,675	29.9%	17
West Virginia	4,509		805	17.9%	1,448	32.1%	7
Wisconsin	14,659		2,457	16.8%	3,753	25.6%	48
Wyoming	1,146		149	13.0%	366	31.9%	8

Source: AMA Physician Masterfile (December 31, 2014).

N.R. = Not Ranked

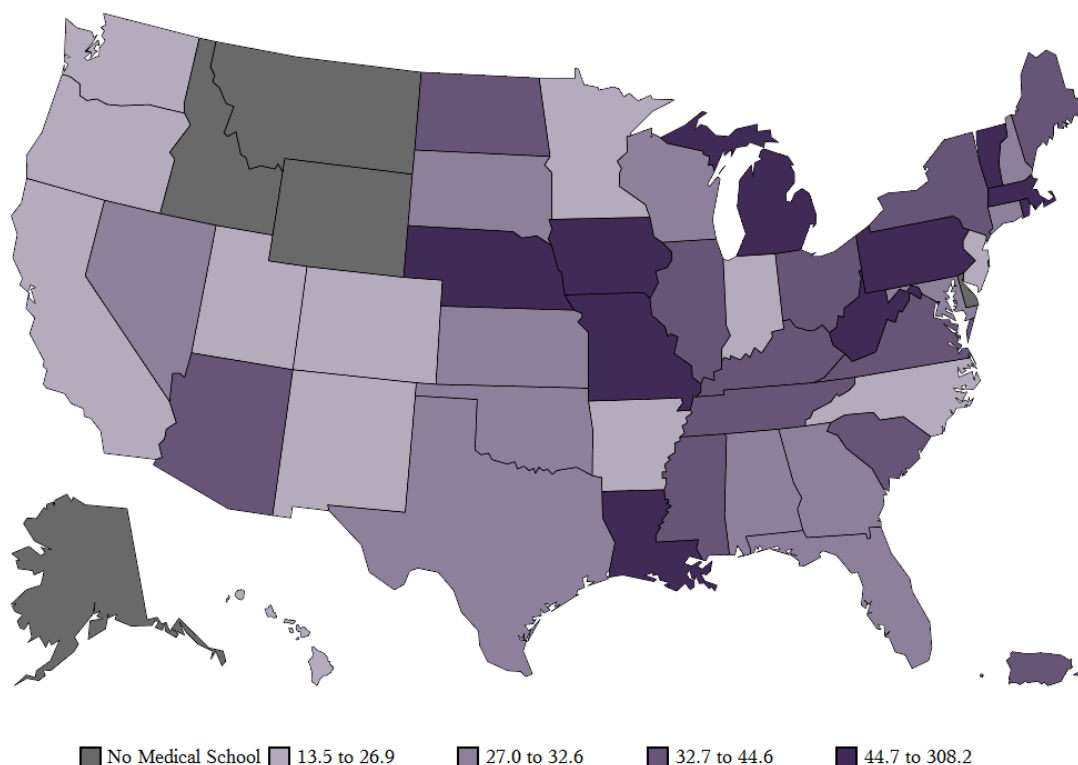
* Physicians whose age was missing (n=1,643) are excluded.

Section 2: Undergraduate Medical Education (UME)

Key Findings

- During the 2014–2015 academic year, there were 34.0 students per 100,000 population enrolled in M.D.-granting and D.O.-granting schools in the United States. The states with the highest student-to-population ratio were concentrated in the Northeast and the Midwest (see Map 2.1, Figure 2.1, and Table 2.1).

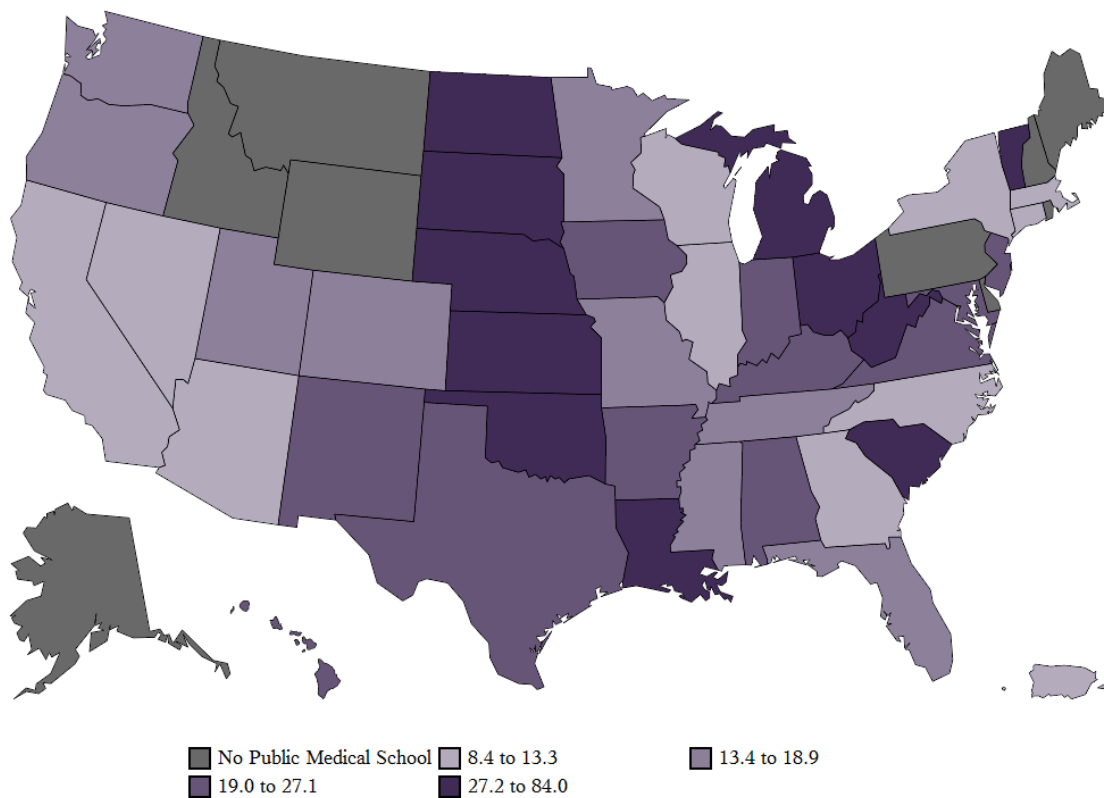
Map 2.1. Student Enrollment per 100,000 Population, Academic Year 2014–2015



Sources: Medical school enrollment data from M.D.-granting institutions were obtained from the Association of American Medical Colleges (AAMC) Student Records System (SRS) and are as of August 2015. Enrollment data from D.O.-granting institutions were obtained from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of July 2015. July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014).

- More than half (60.8 percent) of the students enrolled in M.D.-granting institutions in the United States were enrolled in public schools, while less than one-fifth of students enrolled in D.O.-granting institutions (19.0 percent) were enrolled in public schools. 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 8.4 in Massachusetts to a high of 84.0 in West Virginia (see Map 2.2, Figure 2.2, and Table 2.2). In the United States overall, there were 17.5 students per 100,000 population enrolled in public schools.

Map 2.2. Student Enrollment in Public Schools per 100,000 Population, Academic Year 2014–2015

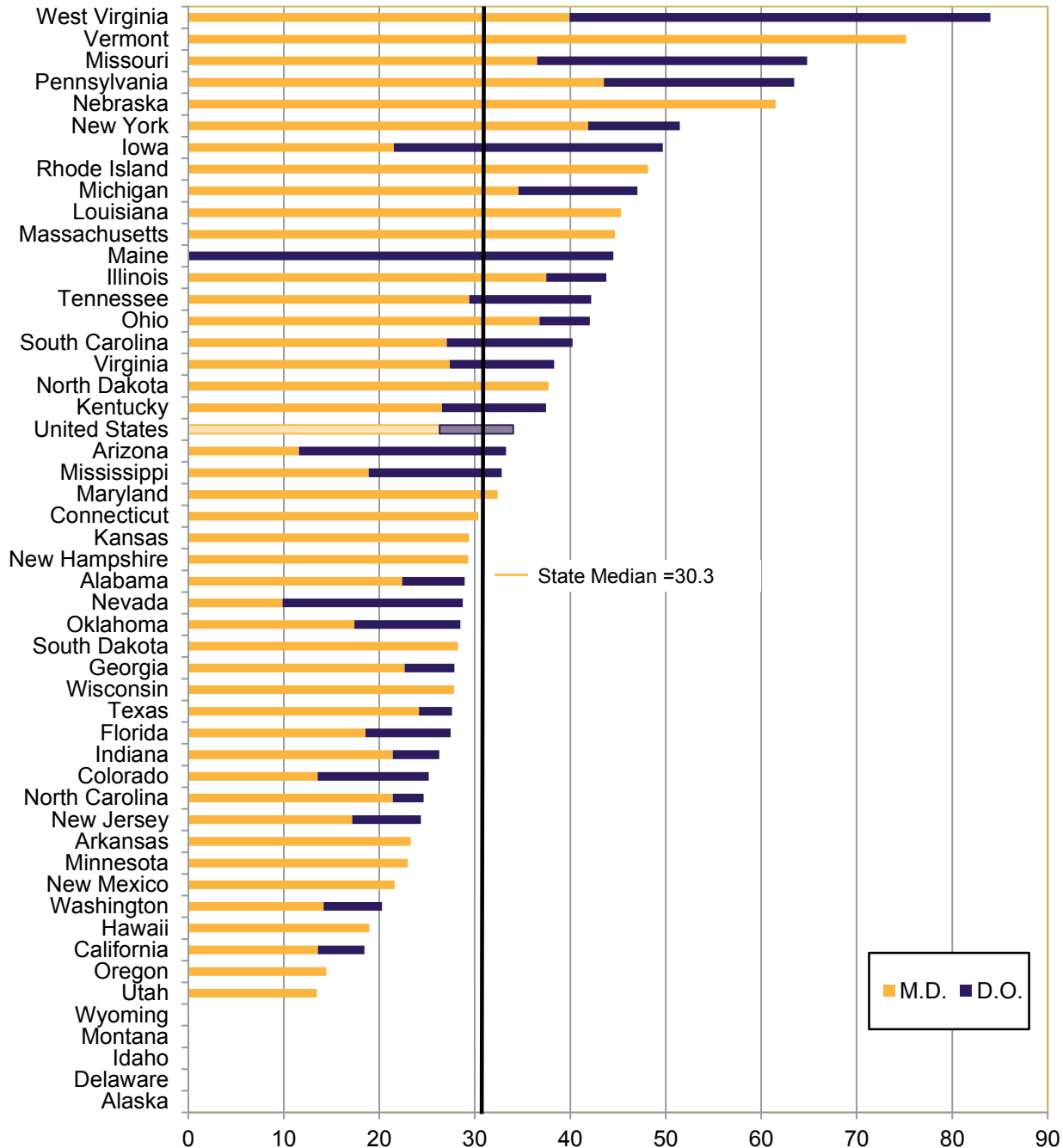


Sources: Medical school enrollment data from M.D.-granting institutions were obtained from the Association of American Medical Colleges (AAMC) Student Records System (SRS) and are as of August 2015. Enrollment data from D.O.-granting institutions were obtained from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of July 2015. July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014).

- Between the 2004–2005 and 2014–2015 academic years, the total number of students enrolled in M.D.-granting and D.O.-granting schools increased by 33.4 percent in the United States. The growth was driven by a somewhat greater increase in the total number of students enrolled in M.D.-granting schools (15,126) compared to D.O.-granting schools (12,039). This represents a 22.0 percent increase in M.D. enrollment and a 96.1 percent increase in D.O. enrollment during the 10-year period. Every state experienced an increase in enrollment except Utah, which had a 7.7 percent decrease in enrollment. Twenty-eight states and Puerto Rico had enrollment increases of 20 percent or more (see Figure 2.3 and Table 2.3).
- For the 2014–2015 academic year, 61.6 percent of new students in M.D.-granting schools matriculated in their home state. Puerto Rico and Louisiana had the highest in-state matriculation rates—more than 90 percent 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 8.7 percent of the new medical students from New Hampshire matriculated in state (see Figure 2.4 and Table 2.4).

1. Student Enrollment per 100,000 Population by School Type, Academic Year 2014–2015

Figure 2.1. Student Enrollment per 100,000 Population by School Type, Academic Year 2014–2015



Sources: Medical school enrollment data from M.D.-granting institutions were obtained from the Association of American Medical Colleges (AAMC) Student Records System (SRS) and are as of August 2015. Enrollment data from D.O.-granting institutions were obtained from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of July 2015. July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014).

Note: California enrollment data for D.O.-granting institutions include enrollment at Western University's Northwest campus in Lebanon, Ore.

Table 2.1. Student Enrollment per 100,000 Population by School Type, Academic Year 2014–2015

	Total Population	Total Students Enrolled in M.D.- or D.O.-Granting Institutions			Students Enrolled in M.D.-Granting Institutions		Students Enrolled in D.O.-Granting Institutions	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	318,857,056	108,494	34.0	N.R.	83,930	26.3	24,564	7.7
Alabama	4,849,377	1,403	28.9	26	1,087	22.4	316	6.5
Alaska	736,732	---	---	---	---	---	---	---
Arizona	6,731,484	2,240	33.3	20	781	11.6	1,459	21.7
Arkansas	2,966,369	691	23.3	38	691	23.3	---	---
California	38,802,500	7,150	18.4	43	5,266	13.6	1,884	5
Colorado	5,355,866	1,348	25.2	35	725	13.5	623	11.6
Connecticut	3,596,677	1,092	30.4	23	1,092	30.4	---	---
Delaware	935,614	---	---	---	---	---	---	---
District of Columbia	658,893	2,031	308.2	N.R.	2,031	308.2	---	---
Florida	19,893,297	5,462	27.5	33	3,692	18.6	1,770	8.9
Georgia	10,097,343	2,815	27.9	30	2,287	22.6	528	5.2
Hawaii	1,419,561	269	18.9	42	269	18.9	---	---
Idaho	1,634,464	---	---	---	---	---	---	---
Illinois	12,880,580	5,640	43.8	13	4,829	37.5	811	6.3
Indiana	6,596,855	1,733	26.3	34	1,413	21.4	320	4.9
Iowa	3,107,126	1,544	49.7	7	669	21.5	875	28.2
Kansas	2,904,021	854	29.4	24	854	29.4	---	---
Kentucky	4,413,457	1,653	37.5	19	1,172	26.6	481	10.9
Louisiana	4,649,676	2,107	45.3	10	2,107	45.3	---	---
Maine	1,330,089	592	44.5	12	---	---	592	44.5
Maryland	5,976,407	1,936	32.4	22	1,936	32.4	---	---
Massachusetts	6,745,408	3,014	44.7	11	3,014	44.7	---	---
Michigan	9,909,877	4,660	47.0	9	3,425	34.6	1,235	12.5
Minnesota	5,457,173	1,253	23.0	39	1,253	23.0	---	---
Mississippi	2,994,079	983	32.8	21	566	18.9	417	14
Missouri	6,063,589	3,930	64.8	3	2,215	36.5	1,715	28.3
Montana	1,023,579	---	---	---	---	---	---	---
Nebraska	1,881,503	1,157	61.5	5	1,157	61.5	---	---
Nevada	2,839,099	816	28.7	27	280	9.9	536	19
New Hampshire	1,326,813	389	29.3	25	389	29.3	---	---
New Jersey	8,938,175	2,177	24.4	37	1,534	17.2	643	7.2
New Mexico	2,085,572	451	21.6	40	451	21.6	---	---
New York	19,746,227	10,165	51.5	6	8,268	41.9	1,897	10
North Carolina	9,943,964	2,449	24.6	36	2,129	21.4	320	3.2
North Dakota	739,482	279	37.7	18	279	37.7	---	---
Ohio	11,594,163	4,876	42.1	15	4,266	36.8	610	5.3
Oklahoma	3,878,051	1,105	28.5	28	675	17.4	430	11
Oregon	3,970,239	574	14.5	44	574	14.5	---	---
Pennsylvania	12,787,209	8,114	63.5	4	5,565	43.5	2,549	19.9
Puerto Rico	3,548,397	1,330	37.5	N.R.	1,330	37.5	---	---
Rhode Island	1,055,173	508	48.1	8	508	48.1	---	---
South Carolina	4,832,482	1,944	40.2	16	1,309	27.1	635.0	13.1
South Dakota	853,175	241	28.2	29	241	28.2	---	---
Tennessee	6,549,352	2,764	42.2	14	1,927	29.4	837	12.8
Texas	26,956,958	7,441	27.6	32	6,514	24.2	927	3.4
Utah	2,942,902	396	13.5	45	396	13.5	---	---
Vermont	626,562	471	75.2	2	471	75.2	---	---
Virginia	8,326,289	3,189	38.3	17	2,281	27.4	908	10.9
Washington	7,061,530	1,432	20.3	41	1,001	14.2	431	6.1
West Virginia	1,850,326	1,554	84.0	1	739	39.9	815	44
Wisconsin	5,757,564	1,602	27.8	31	1,602	27.8	---	---
Wyoming	584,153	---	---	---	---	---	---	---

Sources: Medical school enrollment data from M.D.-granting institutions were obtained from the Association of American Medical Colleges (AAMC) Student Records System (SRS) and are as of August 2015. Enrollment data from D.O.-granting institutions were obtained from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of July 2015. July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014).

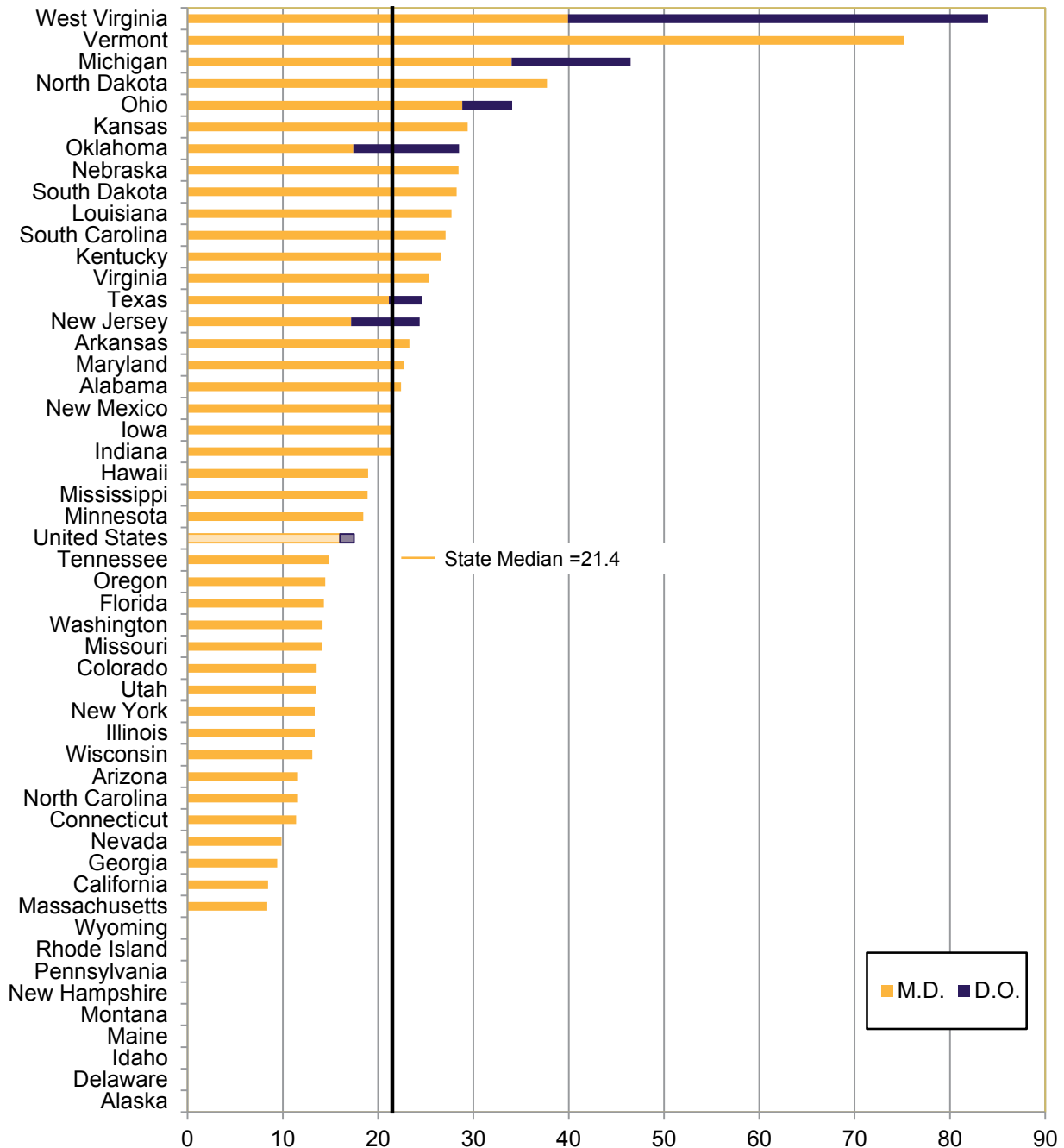
N.R. = Not Ranked

--- Indicates that the data are not applicable. Some states do not have an M.D.-granting or a D.O.-granting institution.

Note: California enrollment data for D.O.-granting institutions includes enrollment at Western University's Northwest campus in Lebanon, Ore.

2. Student Enrollment in Public Schools per 100,000 Population by School Type, Academic Year 2014–2015

Figure 2.2. Student Enrollment in Public Schools per 100,000 Population by School Type, Academic Year 2014–2015



Sources: Medical school enrollment data from M.D.-granting institutions were obtained from the Association of American Medical Colleges (AAMC) Student Records System (SRS) and are as of August 2015. Enrollment data from D.O.-granting institutions were obtained from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of July 2015. July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014).

Note: California enrollment data for D.O.-granting institutions includes enrollment at Western University's Northwest campus in Lebanon, Ore.

Table 2.2. Student Enrollment in Public Schools per 100,000 Population by School Type, Academic Year 2014–2015

	Total Population	Total Students Enrolled in Public M.D.- or D.O.-Granting Institutions			Students Enrolled in Public M.D.-Granting Institutions		Students Enrolled in Public D.O.-Granting Institutions	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	318,857,056	55,685	17.5	N.R.	51,025	16.0	4,660	1.5
Alabama	4,849,377	1,087	22.4	18	1,087	22.4	---	---
Alaska	736,732	---	---	---	---	---	---	---
Arizona	6,731,484	781	11.6	35	781	11.6	---	---
Arkansas	2,966,369	691	23.3	16	691	23.3	---	---
California	38,802,500	3,279	8.5	40	3,279	8.5	---	---
Colorado	5,355,866	725	13.5	30	725	13.5	---	---
Connecticut	3,596,677	410	11.4	37	410	11.4	---	---
Delaware	935,614	---	---	---	---	---	---	---
District of Columbia	658,893	---	---	N.R.	---	---	---	---
Florida	19,893,297	2,848	14.3	27	2,848	14.3	---	---
Georgia	10,097,343	949	9.4	39	949	9.4	---	---
Hawaii	1,419,561	269	18.9	22	269	18.9	---	---
Idaho	1,634,464	---	---	---	---	---	---	---
Illinois	12,880,580	1,719	13.3	33	1,719	13.3	---	---
Indiana	6,596,855	1,413	21.4	21	1,413	21.4	---	---
Iowa	3,107,126	669	21.5	20	669	21.5	---	---
Kansas	2,904,021	854	29.4	6	854	29.4	---	---
Kentucky	4,413,457	1,172	26.6	12	1,172	26.6	---	---
Louisiana	4,649,676	1,288	27.7	10	1,288	27.7	---	---
Maine	1,330,089	---	---	---	---	---	---	---
Maryland	5,976,407	1,357	22.7	17	1,357	22.7	---	---
Massachusetts	6,745,408	565	8.4	41	565	8.4	---	---
Michigan	9,909,877	4,606	46.5	3	3,371	34.0	1,235	12.5
Minnesota	5,457,173	1,006	18.4	24	1,006	18.4	---	---
Mississippi	2,994,079	566	18.9	23	566	18.9	---	---
Missouri	6,063,589	858	14.2	29	858	14.2	---	---
Montana	1,023,579	---	---	---	---	---	---	---
Nebraska	1,881,503	535	28.4	8	535	28.4	---	---
Nevada	2,839,099	280	9.9	38.0	280	9.9	---	---
New Hampshire	1,326,813	---	---	---	---	---	---	---
New Jersey	8,938,175	2,177	24.4	15	1,534	17.2	643	7.2
New Mexico	2,085,572	451	21.6	19	451	21.6	---	---
New York	19,746,227	2,636	13.3	32	2,636	13.3	---	---
North Carolina	9,943,964	1,152	11.6	36	1,152	11.6	---	---
North Dakota	739,482	279	37.7	4	279	37.7	---	---
Ohio	11,594,163	3,951	34.1	5	3,341	28.8	610	5.3
Oklahoma	3,878,051	1,105	28.5	7	675	17.4	430	11
Oregon	3,970,239	574	14.5	26	574	14.5	---	---
Pennsylvania	12,787,209	---	---	---	---	---	---	---
Puerto Rico	3,548,397	469	13.2	N.R.	469	13.2	---	---
Rhode Island	1,055,173	---	---	---	---	---	---	---
South Carolina	4,832,482	1,309	27.1	11	1,309	27.1	---	---
South Dakota	853,175	241	28.2	9	241	28.2	---	---
Tennessee	6,549,352	970	14.8	25	970	14.8	---	---
Texas	26,956,958	6,625	24.6	14	5,698	21.1	927	3.4
Utah	2,942,902	396	13.5	31	396	13.5	---	---
Vermont	626,562	471	75.2	2	471	75.2	---	---
Virginia	8,326,289	2,113	25.4	13	2,113	25.4	---	---
Washington	7,061,530	1,001	14.2	28	1,001	14.2	---	---
West Virginia	1,850,326	1,554	84.0	1	739	39.9	815	44
Wisconsin	5,757,564	753	13.1	34	753	13.1	---	---
Wyoming	584,153	---	---	---	---	---	---	---

Sources: Medical school enrollment data from M.D.-granting institutions were obtained from the Association of American Medical Colleges (AAMC) Student Records System (SRS) and are as of August 2015. Enrollment data from D.O.-granting institutions were obtained from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of July 2015. July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014).

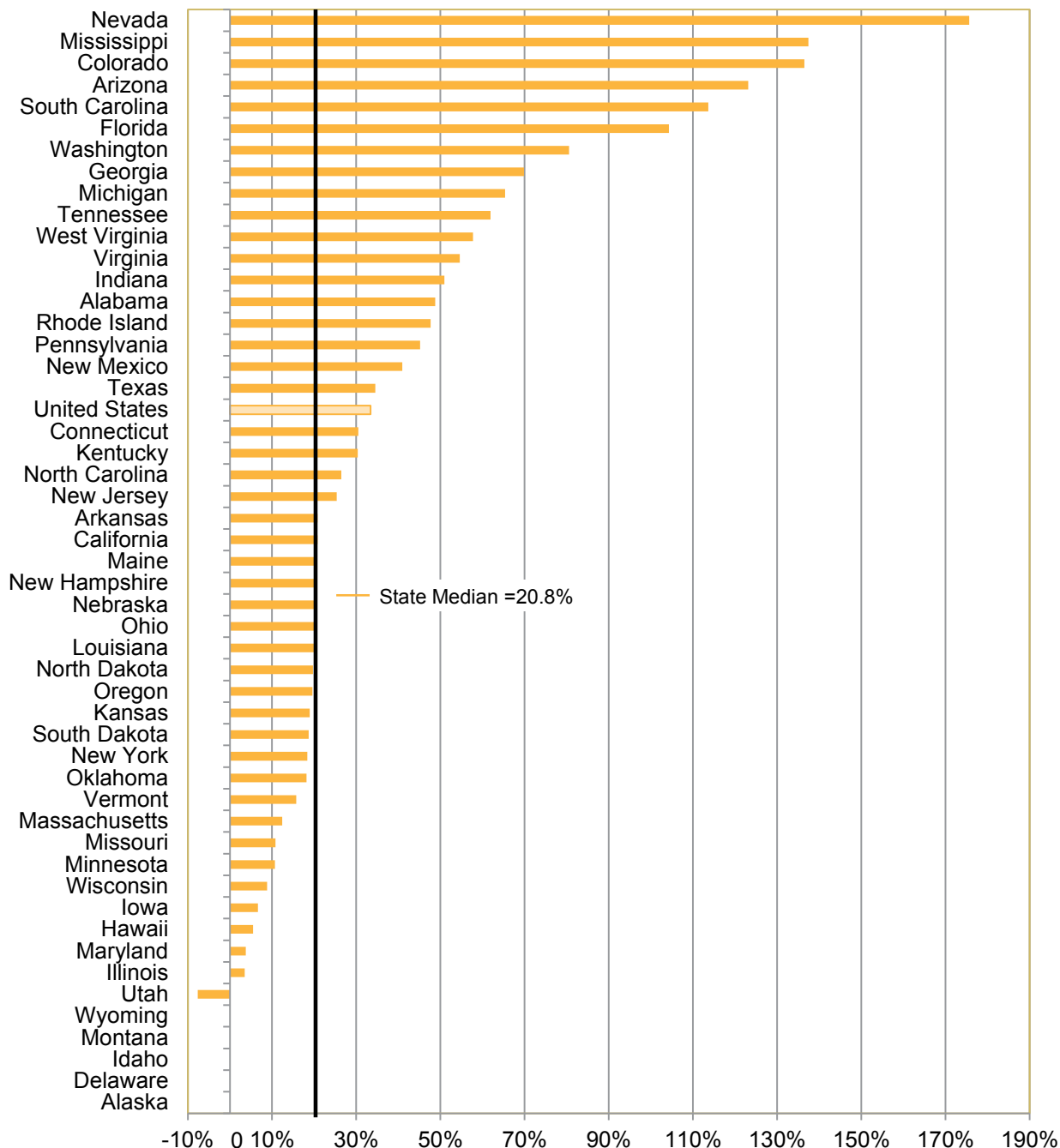
N.R. = Not Ranked

--- Indicates that the data are not applicable. Some states do not have an M.D.-granting or a D.O.-granting institution.

Note: California enrollment data for D.O.-granting institutions includes enrollment at Western University's Northwest campus in Lebanon, Ore.

3. Percentage Change in Student Enrollment by School Type, 2004–2014

Figure 2.3. Percentage Change in Student Enrollment, 2004–2014



Sources: Medical school enrollment data from M.D.-granting institutions were obtained from the Association of American Medical Colleges (AAMC) Student Records System (SRS) and are as of August 2015. Enrollment data from D.O.-granting institutions were obtained from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of July 2015. July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014).

Note: California enrollment data for D.O.-granting institutions includes enrollment at Western University's Northwest campus in Lebanon, Ore.

Table 2.3. Percentage Change in Student Enrollment by School Type, 2004–2014

	Total Students Enrolled in UME				Students Enrolled in M.D.-Granting Institution		Students Enrolled in D.O.-Granting Institution	
	2004	2014	Percent Change	Rank	2004	2014	2004	2014
United States	81,329	108,494	33.4%	N.R.	68,804	83,930	12,525	24,564
Alabama	943	1,403	48.8%	14	943	1,087	---	316
Alaska	---	---	---	---	---	---	---	---
Arizona	1,004	2,240	123.1%	4	447	781	557	1,459
Arkansas	572	691	20.8%	23	572	691	---	---
California	5,920	7,150	20.8%	24	4,702	5,266	1,218	1,884
Colorado	570	1,348	136.5%	3	570	725	---	623
Connecticut	837	1,092	30.5%	19	837	1,092	---	---
Delaware	---	---	---	---	---	---	---	---
District of Columbia	1,855	2,031	9.5%	N.R.	1,855	2,031	---	---
Florida	2,674	5,462	104.3%	6	1,709	3,692	965	1,770
Georgia	1,657	2,815	69.9%	8	1,657	2,287	---	528
Hawaii	255	269	5.5%	42	255	269	---	---
Idaho	---	---	---	---	---	---	---	---
Illinois	5,451	5,640	3.5%	44	4,775	4,829	676	811
Indiana	1,148	1,733	51.0%	13	1,148	1,413	---	320
Iowa	1,448	1,544	6.6%	41	640	669	808	875
Kansas	718	854	18.9%	32	718	854	---	---
Kentucky	1,268	1,653	30.4%	20	1,003	1,172	265	481
Louisiana	1,757	2,107	19.9%	29	1,757	2,107	---	---
Maine	491	592	20.6%	25	---	---	491	592
Maryland	1,866	1,936	3.8%	43	1,866	1,936	---	---
Massachusetts	2,682	3,014	12.4%	37	2,682	3,014	---	---
Michigan	2,818	4,660	65.4%	9	2,280	3,425	538	1,235
Minnesota	1,132	1,253	10.7%	39	1,132	1,253	---	---
Mississippi	414	983	137.4%	2	414	566	---	417
Missouri	3,546	3,930	10.8%	38	1,971	2,215	1,575	1,715
Montana	---	---	---	---	---	---	---	---
Nebraska	962	1,157	20.3%	27	962	1,157	---	---
Nevada	296	816	175.7%	1	218	280	78	536
New Hampshire	323	389	20.4%	26	323	389	---	---
New Jersey	1,737	2,177	25.3%	22	1,372	1,534	365	643
New Mexico	320	451	40.9%	17	320	451	---	---
New York	8,588	10,165	18.4%	34	7,437	8,268	1,151	1,897
North Carolina	1,937	2,449	26.4%	21	1,937	2,129	---	320
North Dakota	233	279	19.7%	30	233	279	---	---
Ohio	4,057	4,876	20.2%	28	3,630	4,266	427	610
Oklahoma	935	1,105	18.2%	35	587	675	348	430
Oregon	480	574	19.6%	31	480	574	---	---
Pennsylvania	5,590	8,114	45.2%	16	3,702	5,565	1,888	2,549
Puerto Rico	1,070	1,330	24.3%	N.R.	1,070	1,330	---	---
Rhode Island	344	508	47.7%	15	344	508	---	---
South Carolina	910	1,944	113.6%	5	910	1,309	---	635
South Dakota	203	241	18.7%	33	203	241	---	---
Tennessee	1,707	2,764	61.9%	10	1,707	1,927	---	837
Texas	5,532	7,441	34.5%	18	5,031	6,514	501	927
Utah	429	396	-7.7%	45	429	396	---	---
Vermont	407	471	15.7%	36	407	471	---	---
Virginia	2,063	3,189	54.6%	12	1,756	2,281	307	908
Washington	793	1,432	80.6%	7	793	1,001	---	431
West Virginia	985	1,554	57.8%	11	618	739	367	815
Wisconsin	1,472	1,602	8.8%	40	1,472	1,602	---	---
Wyoming	---	---	---	---	---	---	---	---

Sources: Medical school enrollment data from M.D.-granting institutions were obtained from the Association of American Medical Colleges (AAMC) Student Records System (SRS) and are as of August 2015. Enrollment data from D.O.-granting institutions were obtained from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of July 2015. July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 2014).

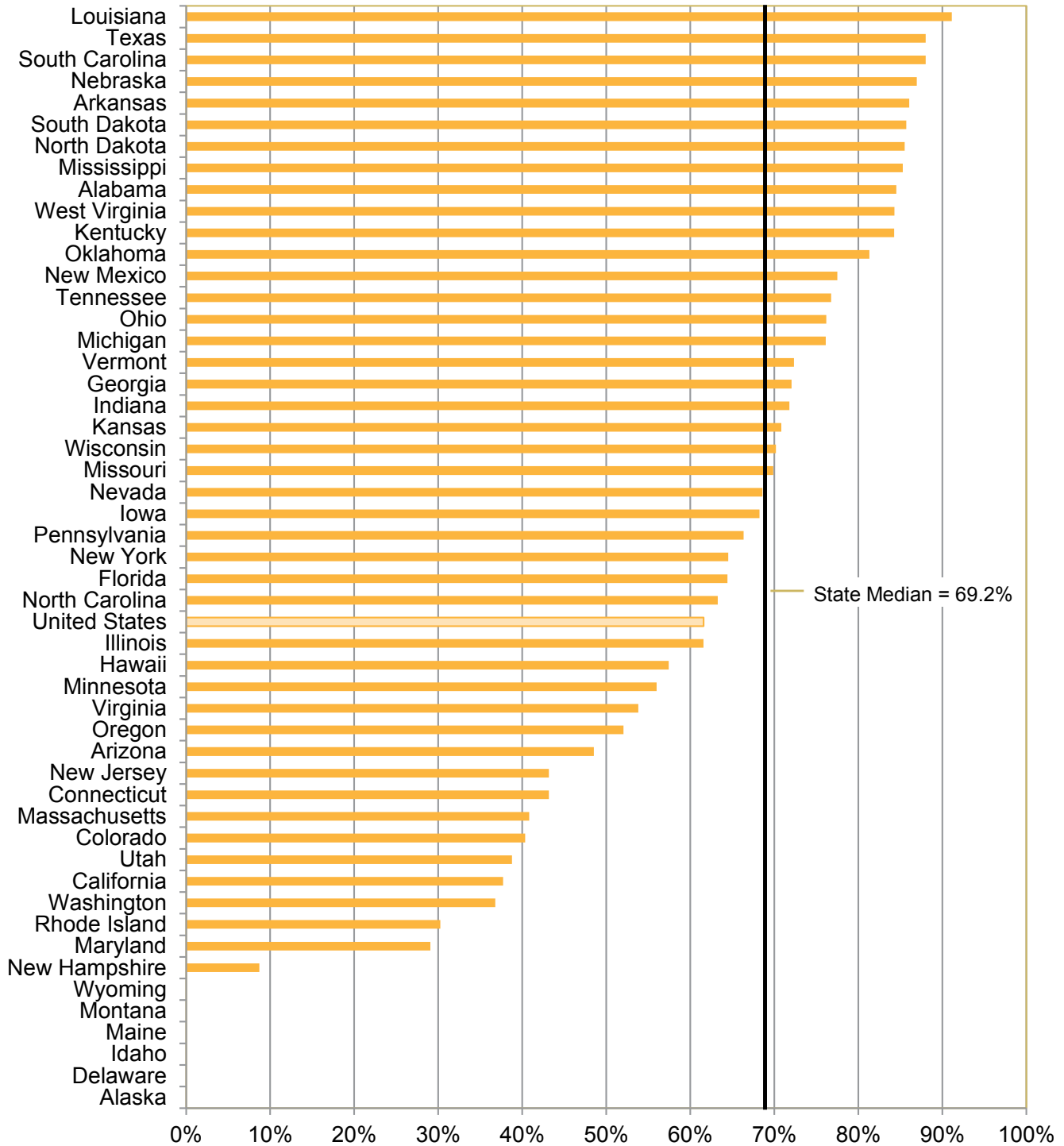
N.R. = Not Ranked

--- Indicates that the data are not applicable. Some states do not have a M.D.-granting or D.O.-granting institution.

Note: California enrollment data for D.O.-granting institutions includes enrollment at Western University's Northwest campus in Lebanon, Ore.

4. Percentage of Students Matriculating in State, Academic Year 2014–2015

Figure 2.4. Percentage of Students Matriculating in State, Academic Year 2014–2015



Source: Association of American Medical Colleges (AAMC) Student Records System (SRS) as of August 2015.

* The data shown here are for students in M.D.-granting institutions only. Students attending D.O.-granting institutions are excluded.

Table 2.4. Percentage of Students Matriculating in State, Academic Year 2014–2015

	Matriculants to M.D.-Granting Institution by State of Legal Residence	Medical Students Who Matriculated to a M.D.-Granting Institution in Their Legal State of Residence		
	Number	Number	Percent	Rank
United States	19,833	12,213	61.6%	N.R.
Alabama	284	240	84.5%	9
Alaska	40	---	---	---
Arizona	268	130	48.5%	34
Arkansas	165	142	86.1%	5
California	2,306	870	37.7%	40
Colorado	290	117	40.3%	38
Connecticut	234	101	43.2%	36
Delaware	35	---	---	---
District of Columbia	45	21	46.7%	N.R.
Florida	1,037	668	64.4%	27
Georgia	601	433	72.0%	18
Hawaii	94	54	57.4%	30
Idaho	72	---	---	---
Illinois	900	554	61.6%	29
Indiana	365	262	71.8%	19
Iowa	148	101	68.2%	24
Kansas	264	187	70.8%	20
Kentucky	248	209	84.3%	11
Louisiana	349	318	91.1%	1
Maine	43	---	---	---
Maryland	540	157	29.1%	43
Massachusetts	615	251	40.8%	37
Michigan	821	625	76.1%	16
Minnesota	359	201	56.0%	31
Mississippi	170	145	85.3%	8
Missouri	302	211	69.9%	22
Montana	57	---	---	---
Nebraska	138	120	87.0%	4
Nevada	86	59	68.6%	23
New Hampshire	46	4	8.7%	44
New Jersey	850	367	43.2%	35
New Mexico	120	93	77.5%	13
New York	1,527	985	64.5%	26
North Carolina	433	274	63.3%	28
North Dakota	69	59	85.5%	7
Ohio	798	608	76.2%	15
Oklahoma	182	148	81.3%	12
Oregon	196	102	52.0%	33
Pennsylvania	793	526	66.3%	25
Puerto Rico	274	262	95.6%	N.R.
Rhode Island	43	13	30.2%	42
South Carolina	317	279	88.0%	3
South Dakota	56	48	85.7%	6
Tennessee	327	251	76.8%	14
Texas	1,611	1,418	88.0%	2
Utah	214	83	38.8%	39
Vermont	47	34	72.3%	17
Virginia	498	268	53.8%	32
Washington	329	121	36.8%	41
West Virginia	140	118	84.3%	10
Wisconsin	339	238	70.2%	21
Wyoming	22	---	---	---

Source: Association of American Medical Colleges (AAMC) Student Records System (SRS) as of August 2015.

N.R. = Not Ranked

--- Indicates that the data are not applicable, as those states do not have a medical school.

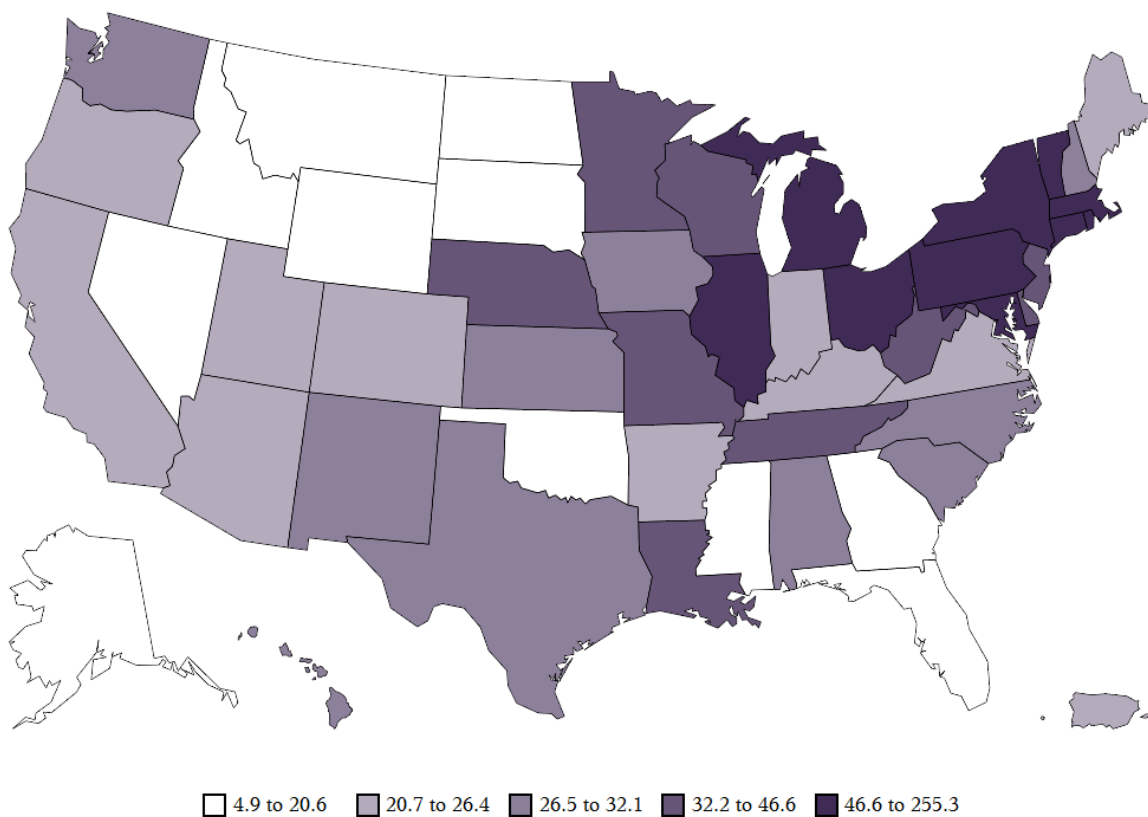
* The data shown here are for students in M.D.-granting institutions only. Students attending D.O.-granting institutions are excluded.

Section 3: Graduate Medical Education (GME)

Key Findings

- In 2014, every state in the United States had at least one ACGME-accredited graduate medical education 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 4.9 in Alaska to a high of 81.7 in Massachusetts (see Map 3.1, Figure 3.1, and Table 3.1). The national average was 36.9 residents and fellows per 100,000 population.

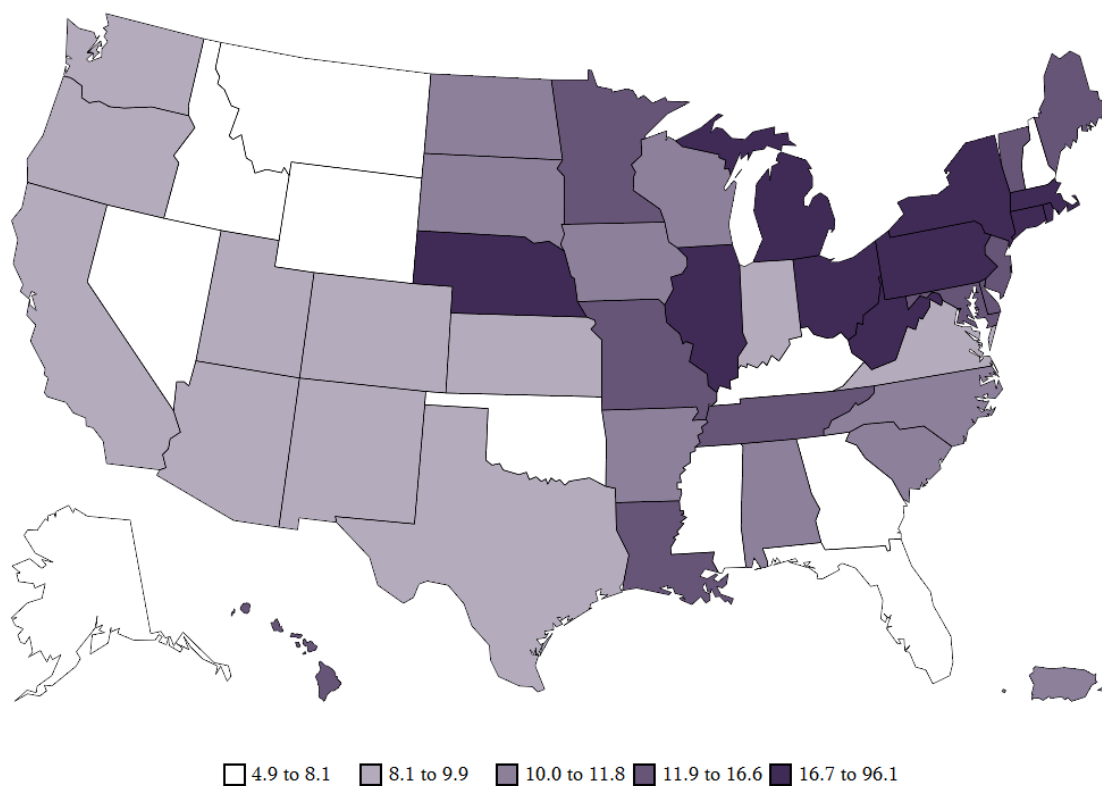
Map 3.1. Residents and Fellows on Duty as of December 31, 2014, in ACGME-Accredited Training Programs per 100,000 Population



Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 31, 2014). Resident physician data are from the 2014 AAMC/AMA National GME Census (data extracted in August 2015).

- There were 13.6 residents and fellows in primary care programs accredited by the ACGME per 100,000 population in the United States in 2014. There was a wide range among the states; the highest number of residents and fellows in primary care GME programs per 100,000 population were primarily in the Northeast and Midwest (see Map 3.2, Figure 3.2, and Table 3.2).

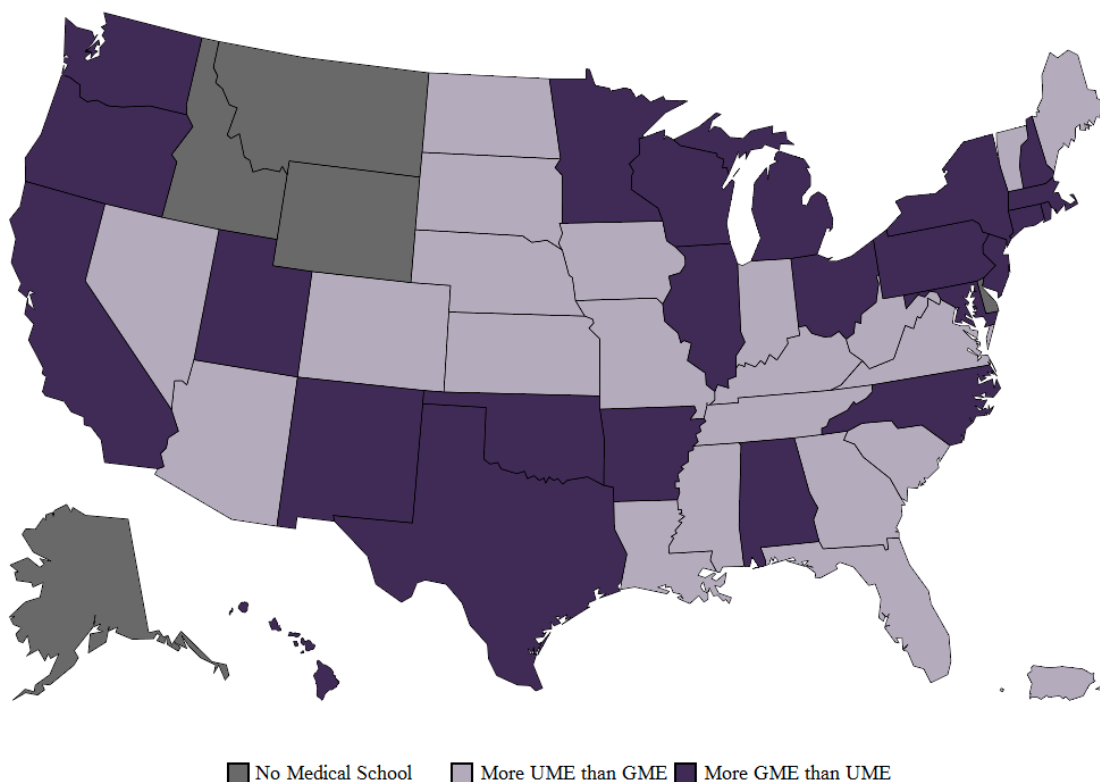
Map 3.2. Residents and Fellows on Duty as of December 31, 2014, in ACGME-Accredited Primary Care Programs per 100,000 Population



Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 31, 2014). Resident physician data are from the 2014 AAMC/AMA National GME Census (data extracted in August 2015).

- Nationally, about one-quarter (25.4 percent) of the residents and fellows in ACGME training programs were IMGs in 2014. The percentage varied widely across the states. In Alaska, only one resident was an IMG. At the other end of the spectrum, more than half of the residents and fellows in Wyoming and New Jersey were IMGs (see Figure 3.3 and Table 3.3).
- In 2014, there were more residents and fellows in ACGME and OCGME programs than there were students in M.D.- and D.O.-granting institutions in the United States, in part the result of the inflow of IMGs to GME. The ratio of total GME to total UME was 1.19. However, many states had fewer residents and fellows than medical students. The lowest ratio of GME to UME (0.46) was in Nevada (see Map 3.4, Figure 3.4, and Table 3.4).

Map 3.4. Ratio of Graduate Medical Education (GME) to Undergraduate Medical Education (UME), Academic Year 2013–2014



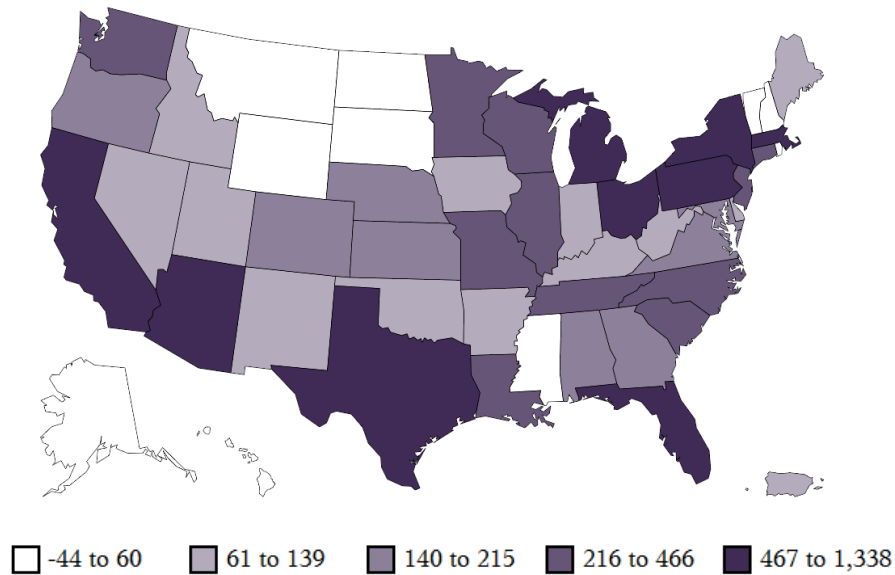
Sources: Medical school enrollment data from M.D.-granting institutions were obtained from the Association of American Medical Colleges (AAMC) Student Records System (SRS) and are as of August 2015. Enrollment data from D.O.-granting institutions were obtained from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of July 2015. Data for residents in Accreditation Council for Graduate Medical Education (ACGME) programs are from JAMA 2014;312(22):2427-2445. Data for residents in Osteopathic Graduate Medical Education (OGME) programs are from JAOA 2015;115(4):268-274.

Note: GME data in this map are from academic year 2013–2014. This differs from other maps, tables, and figures in the report. OGME data for 2014–2015 were not available at the time of publication.

California UME enrollment data for D.O.-granting institutions includes enrollment at Western University’s Northwest campus in Lebanon, Ore.

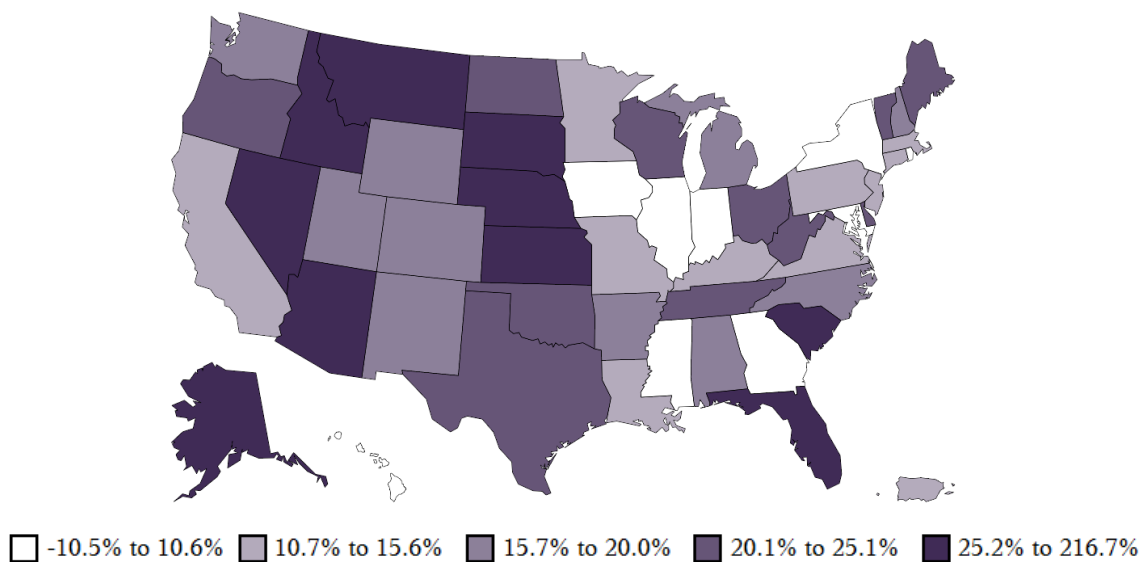
- Between 2004 and 2014, the number of residents and fellows in ACGME programs increased by 14,836 (14.4 percent). All states except Hawaii, which lost 44 residents and fellows (-10.5 percent), saw an increase over that period in the number of residents and fellows (see Map 3.5.1, Figure 3.5, and Table 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.

Map 3.5.1. Change in the Number of Residents and Fellows in ACGME-Accredited Programs, 2004–2014



Source: 2004 and 2014 AAMC/AMA National GME Census (data extracted in August 2015).

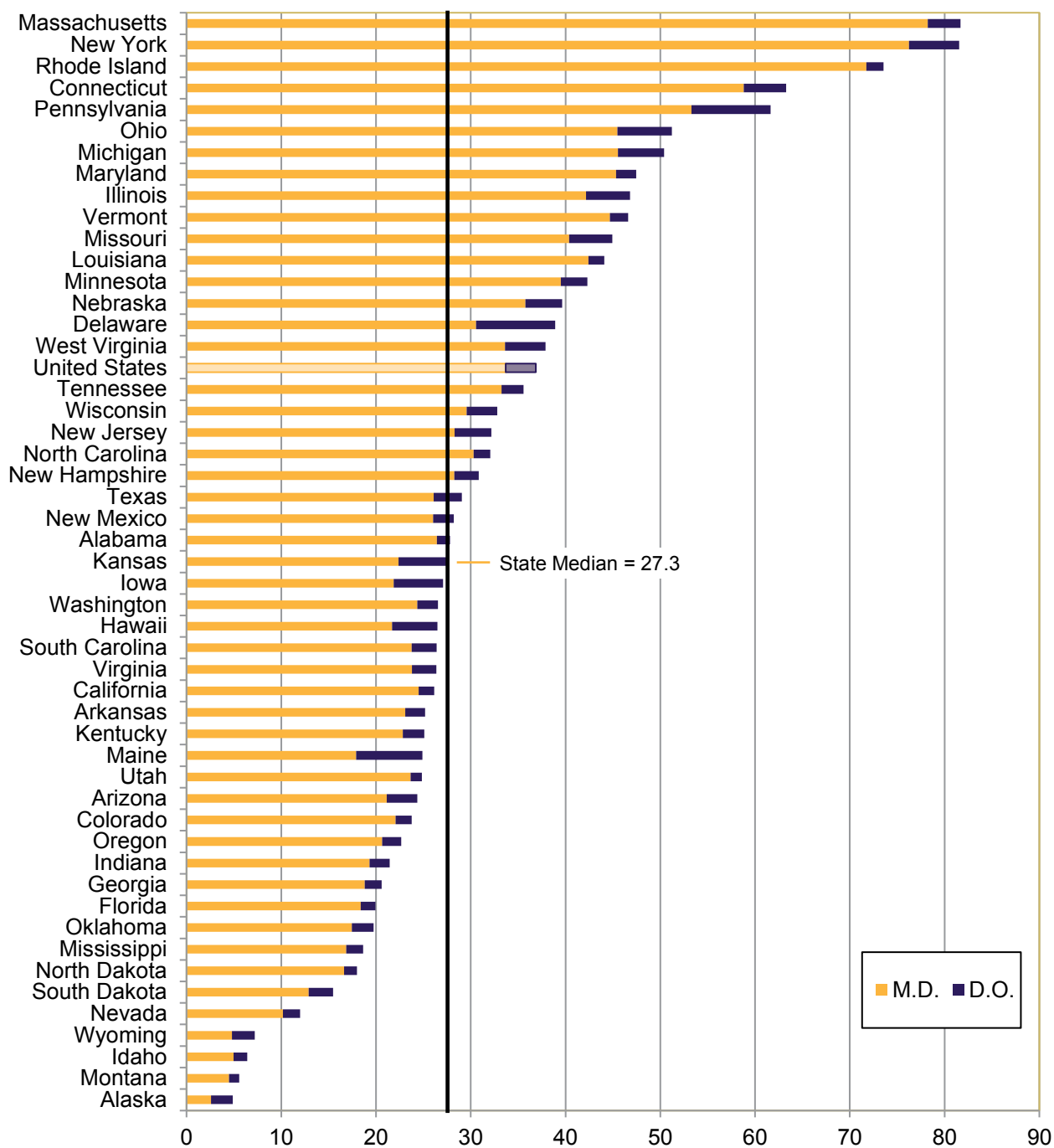
Map 3.5.2. Percentage Change in Residents and Fellows in ACGME-Accredited Programs, 2004–2014



Source: 2004 and 2014 AAMC/AMA National GME Census (data extracted in August 2015).

1. Residents and Fellows on Duty as of December 31, 2014, in ACGME-Accredited Programs per 100,000 Population by Degree Type

Figure 3.1. Residents and Fellows on Duty as of December 31, 2014, in ACGME-Accredited Programs per 100,000 Population by Degree Type



Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 31, 2014). Resident physician data are from the 2014 AAMC/AMA National GME Census (data extracted in August 2015).

Table 3.1. Residents and Fellows on Duty as of December 31, 2014, in ACGME-Accredited Programs per 100,000 Population by Degree Type

	Total Population	Total Residents/Fellows in ACGME Programs			M.D.s in ACGME Programs*		D.O.s in ACGME Programs	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	318,857,056	117,535	36.9	N.R.	107,413	33.7	10,122	3.2
Alabama	4,849,377	1,349	27.8	24	1,281	26.4	68	1.4
Alaska	736,732	36	4.9	50	19	2.6	17	2.3
Arizona	6,731,484	1,640	24.4	36	1,422	21.1	218	3.2
Arkansas	2,966,369	747	25.2	32	685	23.1	62	2.1
California	38,802,500	10,142	26.1	31	9,504	24.5	638	1.6
Colorado	5,355,866	1,272	23.7	37	1,182	22.1	90	1.7
Connecticut	3,596,677	2,276	63.3	4	2,115	58.8	161	4.5
Delaware	935,614	364	38.9	15	286	30.6	78	8.3
District of Columbia	658,893	1,682	255.3	N.R.	1,642	249.2	40	6.1
Florida	19,893,297	3,967	19.9	41	3,656	18.4	311	1.6
Georgia	10,097,343	2,080	20.6	40	1,898	18.8	182	1.8
Hawaii	1,419,561	376	26.5	28	308	21.7	68	4.8
Idaho	1,634,464	105	6.4	48	81	5.0	24	1.5
Illinois	12,880,580	6,028	46.8	9	5,430	42.2	598	4.6
Indiana	6,596,855	1,415	21.4	39	1,275	19.3	140	2.1
Iowa	3,107,126	841	27.1	26	679	21.9	162	5.2
Kansas	2,904,021	803	27.7	25	650	22.4	153	5.3
Kentucky	4,413,457	1,108	25.1	33	1,007	22.8	101	2.3
Louisiana	4,649,676	2,050	44.1	12	1,972	42.4	78	1.7
Maine	1,330,089	331	24.9	34	238	17.9	93	7.0
Maryland	5,976,407	2,836	47.5	8	2,710	45.3	126	2.1
Massachusetts	6,745,408	5,510	81.7	1	5,277	78.2	233	3.5
Michigan	9,909,877	4,995	50.4	7	4,511	45.5	484	4.9
Minnesota	5,457,173	2,308	42.3	13	2,156	39.5	152	2.8
Mississippi	2,994,079	558	18.6	43	505	16.9	53	1.8
Missouri	6,063,589	2,724	44.9	11	2,449	40.4	275	4.5
Montana	1,023,579	57	5.6	49	46	4.5	11	1.1
Nebraska	1,881,503	746	39.6	14	673	35.8	73	3.9
Nevada	2,839,099	340	12.0	46	289	10.2	51	1.8
New Hampshire	1,326,813	409	30.8	21	375	28.3	34	2.6
New Jersey	8,938,175	2,875	32.2	19	2,529	28.3	346	3.9
New Mexico	2,085,572	588	28.2	23	543	26.0	45	2.2
New York	19,746,227	16,100	81.5	2	15,054	76.2	1,046	5.3
North Carolina	9,943,964	3,189	32.1	20	3,012	30.3	177	1.8
North Dakota	739,482	133	18.0	44	123	16.6	10	1.4
Ohio	11,594,163	5,938	51.2	6	5,272	45.5	666	5.7
Oklahoma	3,878,051	766	19.8	42	677	17.5	89	2.3
Oregon	3,970,239	900	22.7	38	820	20.7	80	2.0
Pennsylvania	12,787,209	7,881	61.6	5	6,812	53.3	1,069	8.4
Puerto Rico	3,548,397	802	22.6	N.R.	802	22.6	0	0.0
Rhode Island	1,055,173	776	73.5	3	757	71.7	19	1.8
South Carolina	4,832,482	1,275	26.4	29	1,148	23.8	127	2.6
South Dakota	853,175	132	15.5	45	110	12.9	22	2.6
Tennessee	6,549,352	2,329	35.6	17	2,178	33.3	151	2.3
Texas	26,956,958	7,835	29.1	22	7,028	26.1	807	3.0
Utah	2,942,902	731	24.8	35	696	23.7	35	1.2
Vermont	626,562	292	46.6	10	280	44.7	12	1.9
Virginia	8,326,289	2,196	26.4	30	1,981	23.8	215	2.6
Washington	7,061,530	1,873	26.5	27	1,719	24.3	154	2.2
West Virginia	1,850,326	701	37.9	16	622	33.6	79	4.3
Wisconsin	5,757,564	1,888	32.8	18	1,703	29.6	185	3.2
Wyoming	584,153	42	7.2	47	28	4.8	14	2.4

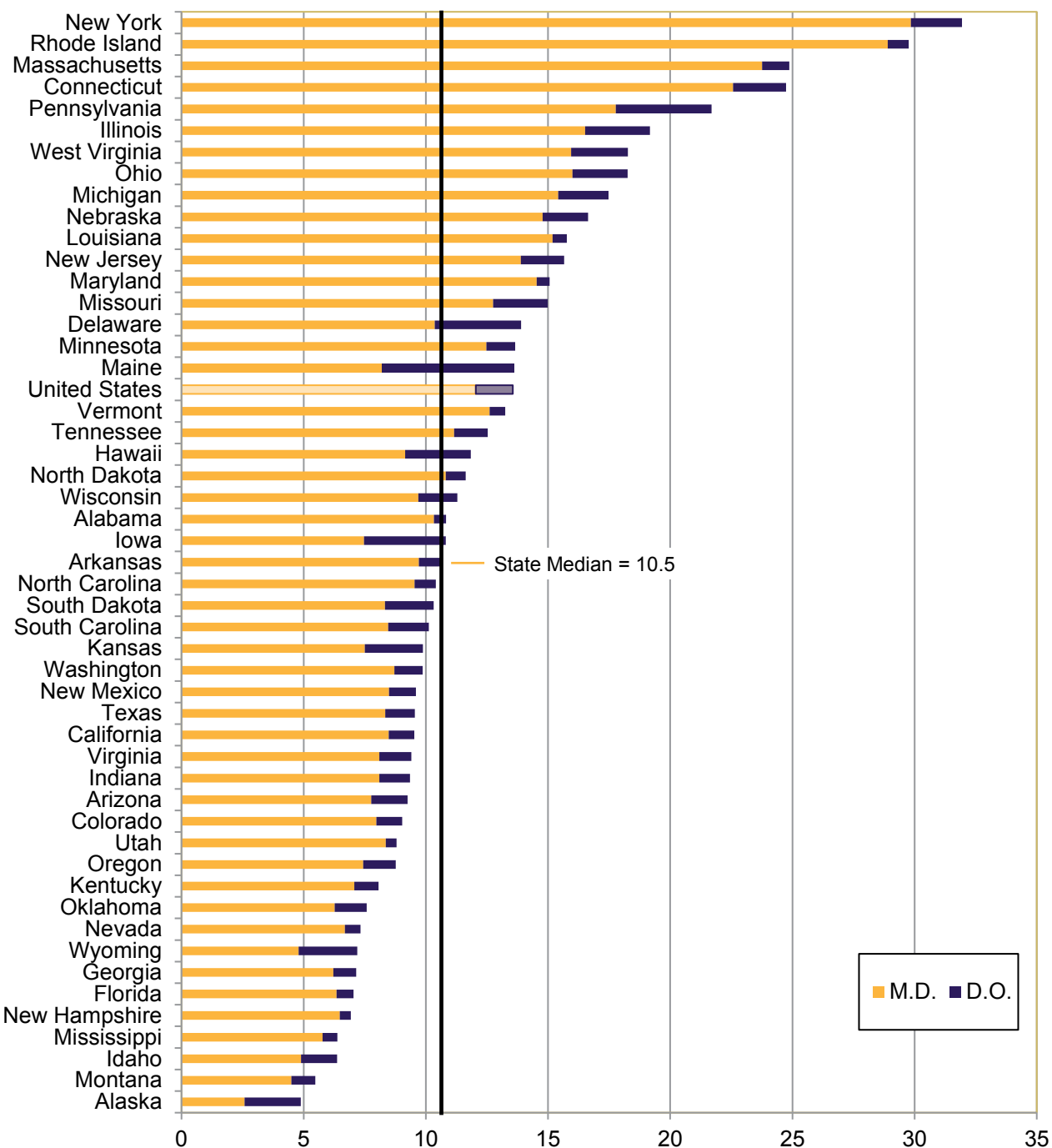
Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 31, 2014). Resident physician data are from the 2014 AAMC/AMA National GME Census (data extracted in August 2015).

N.R. = Not Ranked

* Includes M.D.s from international medical schools.

2. Residents and Fellows on Duty as of December 31, 2014, in ACGME-Accredited Primary Care Programs per 100,000 Population by Degree Type

Figure 3.2. Residents and Fellows on Duty as of December 31, 2014, in ACGME-Accredited Primary Care Programs per 100,000 Population by Degree Type



Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 31, 2014). Resident physician data are from the 2014 AAMC/AMA National GME Census (data extracted in August 2015).

Table 3.2. Residents and Fellows on Duty as of December 31, 2014, in ACGME-Accredited Primary Care Programs per 100,000 Population by Degree Type

	Total Population	Total Residents in Primary Care ACGME Programs			M.D.s in Primary Care ACGME Programs*		D.O.s in Primary Care ACGME Programs	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	318,857,056	43,232	13.6	N.R.	38,407	12.0	4,825	1.5
Alabama	4,849,377	525	10.8	23	501	10.3	24	0.5
Alaska	736,732	36	4.9	50	19	2.6	17	2.3
Arizona	6,731,484	623	9.3	36	523	7.8	100	1.5
Arkansas	2,966,369	317	10.7	25	288	9.7	29	1.0
California	38,802,500	3,697	9.5	33	3,290	8.5	407	1.0
Colorado	5,355,866	484	9.0	37	427	8.0	57	1.1
Connecticut	3,596,677	890	24.7	4	812	22.6	78	2.2
Delaware	935,614	130	13.9	15	97	10.4	33	3.5
District of Columbia	658,893	633	96.1	N.R.	618	93.8	15	2.3
Florida	19,893,297	1,401	7.0	45	1,263	6.3	138	0.7
Georgia	10,097,343	722	7.2	44	627	6.2	95	0.9
Hawaii	1,419,561	168	11.8	20	130	9.2	38	2.7
Idaho	1,634,464	104	6.4	48	80	4.9	24	1.5
Illinois	12,880,580	2,469	19.2	6	2,128	16.5	341	2.6
Indiana	6,596,855	617	9.4	35	534	8.1	83	1.3
Iowa	3,107,126	336	10.8	24	232	7.5	104	3.3
Kansas	2,904,021	287	9.9	29	218	7.5	69	2.4
Kentucky	4,413,457	356	8.1	40	312	7.1	44	1.0
Louisiana	4,649,676	733	15.8	11	706	15.2	27	0.6
Maine	1,330,089	181	13.6	17	109	8.2	72	5.4
Maryland	5,976,407	900	15.1	13	869	14.5	31	0.5
Massachusetts	6,745,408	1,678	24.9	3	1,603	23.8	75	1.1
Michigan	9,909,877	1,732	17.5	9	1,528	15.4	204	2.1
Minnesota	5,457,173	745	13.7	16	681	12.5	64	1.2
Mississippi	2,994,079	191	6.4	47	173	5.8	18	0.6
Missouri	6,063,589	909	15.0	14	773	12.7	136	2.2
Montana	1,023,579	56	5.5	49	46	4.5	10	1.0
Nebraska	1,881,503	313	16.6	10	278	14.8	35	1.9
Nevada	2,839,099	208	7.3	42	190	6.7	18	0.6
New Hampshire	1,326,813	92	6.9	46	86	6.5	6	0.5
New Jersey	8,938,175	1,400	15.7	12	1,241	13.9	159	1.8
New Mexico	2,085,572	200	9.6	31	177	8.5	23	1.1
New York	19,746,227	6,306	31.9	1	5,894	29.8	412	2.1
North Carolina	9,943,964	1,035	10.4	26	948	9.5	87	0.9
North Dakota	739,482	86	11.6	21	80	10.8	6	0.8
Ohio	11,594,163	2,117	18.3	8	1,855	16.0	262	2.3
Oklahoma	3,878,051	294	7.6	41	243	6.3	51	1.3
Oregon	3,970,239	348	8.8	39	295	7.4	53	1.3
Pennsylvania	12,787,209	2,774	21.7	5	2,273	17.8	501	3.9
Puerto Rico	3,548,397	363	10.2	N.R.	363	10.2	0	0.0
Rhode Island	1,055,173	314	29.8	2	305	28.9	9	0.9
South Carolina	4,832,482	489	10.1	28	409	8.5	80	1.7
South Dakota	853,175	88	10.3	27	71	8.3	17	2.0
Tennessee	6,549,352	821	12.5	19	731	11.2	90	1.4
Texas	26,956,958	2,575	9.6	32	2,249	8.3	326	1.2
Utah	2,942,902	259	8.8	38	246	8.4	13	0.4
Vermont	626,562	83	13.2	18	79	12.6	4	0.6
Virginia	8,326,289	783	9.4	34	674	8.1	109	1.3
Washington	7,061,530	697	9.9	30	615	8.7	82	1.2
West Virginia	1,850,326	338	18.3	7	295	15.9	43	2.3
Wisconsin	5,757,564	650	11.3	22	558	9.7	92	1.6
Wyoming	584,153	42	7.2	43	28	4.8	14	2.4

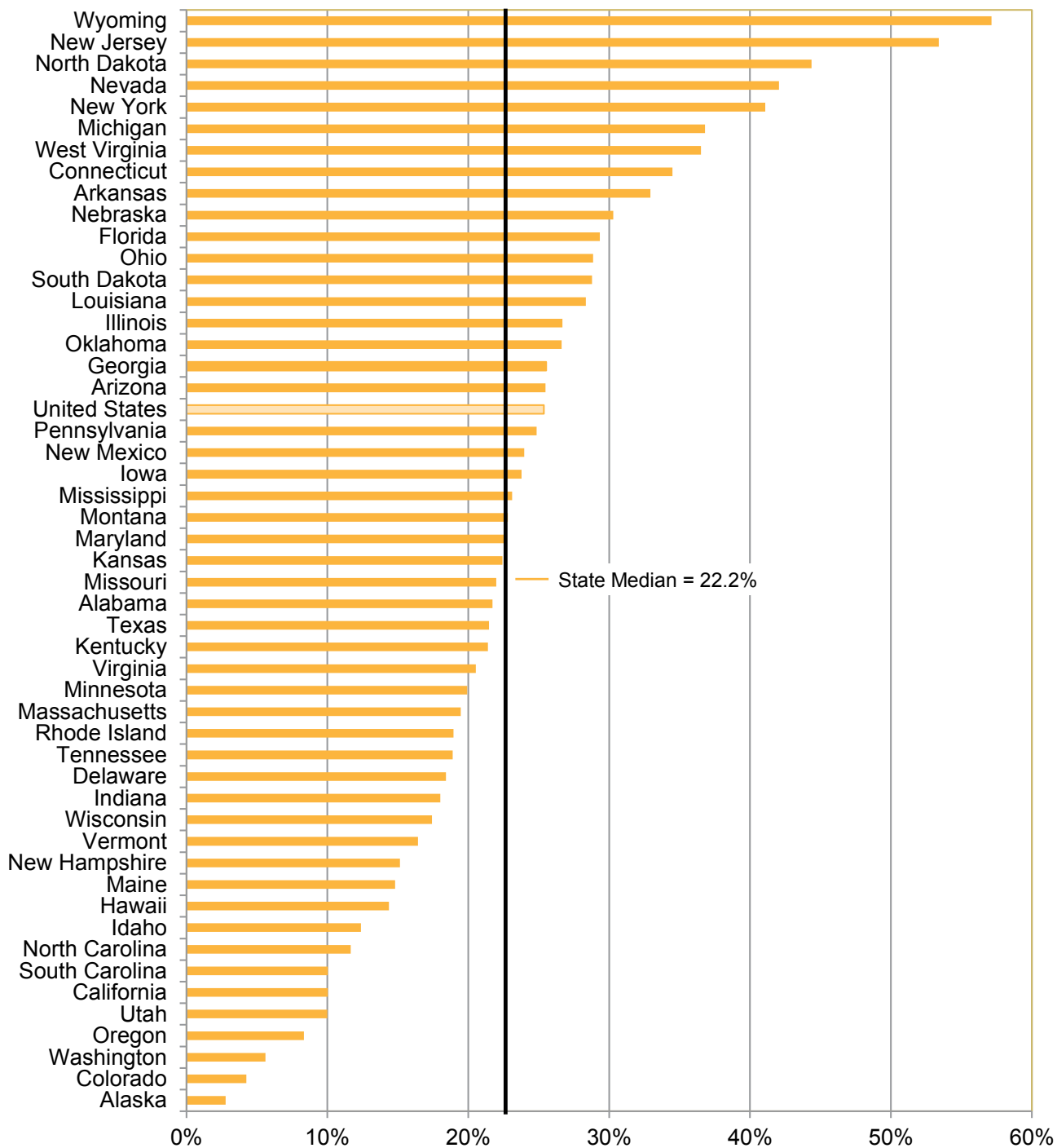
Sources: July 1, 2014, population estimates are from the U.S. Census Bureau (Release date: December 31, 2014). Resident physician data are from the 2014 AAMC/AMA National GME Census (data extracted in August 2015).

N.R. = Not Ranked

* Includes M.D.s from international medical schools.

3. Residents and Fellows on Duty as of December 31, 2014, in ACGME-Accredited Programs by School Type

Figure 3.3. Residents and Fellows on Duty as of December 31, 2014, in ACGME-Accredited Programs Who Are International Medical Graduates



Source: 2014 AAMC/AMA National GME Census (data extracted in August 2015).

Table 3.3. Residents and Fellows on Duty as of December 31, 2014, in ACGME-Accredited Programs by School Type

	Total Residents/ Fellows*	U.S.M.D.		D.O.		IMG		
		Number	Percent	Number	Percent	Number	Percent	Rank
United States	117,535	77,445	65.9%	10,122	8.6%	29,812	25.4%	N.R.
Alabama	1,349	988	73.2%	68	5.0%	293	21.7%	27
Alaska	36	18	50.0%	17	47.2%	1	2.8%	50
Arizona	1,640	1,003	61.2%	218	13.3%	418	25.5%	18
Arkansas	747	439	58.8%	62	8.3%	246	32.9%	9
California	10,142	8,471	83.5%	638	6.3%	1,018	10.0%	45
Colorado	1,272	1,128	88.7%	90	7.1%	54	4.2%	49
Connecticut	2,276	1,324	58.2%	161	7.1%	785	34.5%	8
Delaware	364	219	60.2%	78	21.4%	67	18.4%	35
District of Columbia	1,682	1,164	69.2%	40	2.4%	477	28.4%	N.R.
Florida	3,967	2,487	62.7%	311	7.8%	1,164	29.3%	11
Georgia	2,080	1,366	65.7%	182	8.8%	531	25.5%	17
Hawaii	376	253	67.3%	68	18.1%	54	14.4%	41
Idaho	105	68	64.8%	24	22.9%	13	12.4%	42
Illinois	6,028	3,813	63.3%	598	9.9%	1,608	26.7%	15
Indiana	1,415	1,020	72.1%	140	9.9%	255	18.0%	36
Iowa	841	478	56.8%	162	19.3%	200	23.8%	21
Kansas	803	470	58.5%	153	19.1%	180	22.4%	25
Kentucky	1,108	770	69.5%	101	9.1%	237	21.4%	29
Louisiana	2,050	1,390	67.8%	78	3.8%	581	28.3%	14
Maine	331	188	56.8%	93	28.1%	49	14.8%	40
Maryland	2,836	2,060	72.6%	126	4.4%	644	22.7%	24
Massachusetts	5,510	4,169	75.7%	233	4.2%	1,073	19.5%	32
Michigan	4,995	2,670	53.5%	484	9.7%	1,838	36.8%	6
Minnesota	2,308	1,690	73.2%	152	6.6%	460	19.9%	31
Mississippi	558	376	67.4%	53	9.5%	129	23.1%	22
Missouri	2,724	1,849	67.9%	275	10.1%	599	22.0%	26
Montana	57	33	57.9%	11	19.3%	13	22.8%	23
Nebraska	746	447	59.9%	73	9.8%	226	30.3%	10
Nevada	340	146	42.9%	51	15.0%	143	42.1%	4
New Hampshire	409	313	76.5%	34	8.3%	62	15.2%	39
New Jersey	2,875	993	34.5%	346	12.0%	1,535	53.4%	2
New Mexico	588	400	68.0%	45	7.7%	141	24.0%	20
New York	16,100	8,412	52.2%	1,046	6.5%	6,614	41.1%	5
North Carolina	3,189	2,639	82.8%	177	5.6%	372	11.7%	43
North Dakota	133	64	48.1%	10	7.5%	59	44.4%	3
Ohio	5,938	3,551	59.8%	666	11.2%	1,714	28.9%	12
Oklahoma	766	473	61.7%	89	11.6%	204	26.6%	16
Oregon	900	744	82.7%	80	8.9%	75	8.3%	47
Pennsylvania	7,881	4,847	61.5%	1,069	13.6%	1,959	24.9%	19
Puerto Rico	802	579	72.2%	N.R.	N.R.	223	27.8%	N.R.
Rhode Island	776	609	78.5%	19	2.4%	147	18.9%	33
South Carolina	1,275	1,020	80.0%	127	10.0%	128	10.0%	44
South Dakota	132	72	54.5%	22	16.7%	38	28.8%	13
Tennessee	2,329	1,736	74.5%	151	6.5%	440	18.9%	34
Texas	7,835	5,338	68.1%	807	10.3%	1,682	21.5%	28
Utah	731	623	85.2%	35	4.8%	73	10.0%	46
Vermont	292	232	79.5%	12	4.1%	48	16.4%	38
Virginia	2,196	1,529	69.6%	215	9.8%	451	20.5%	30
Washington	1,873	1,611	86.0%	154	8.2%	105	5.6%	48
West Virginia	701	365	52.1%	79	11.3%	256	36.5%	7
Wisconsin	1,888	1,373	72.7%	185	9.8%	329	17.4%	37
Wyoming	42	4	9.5%	14	33.3%	24	57.1%	1

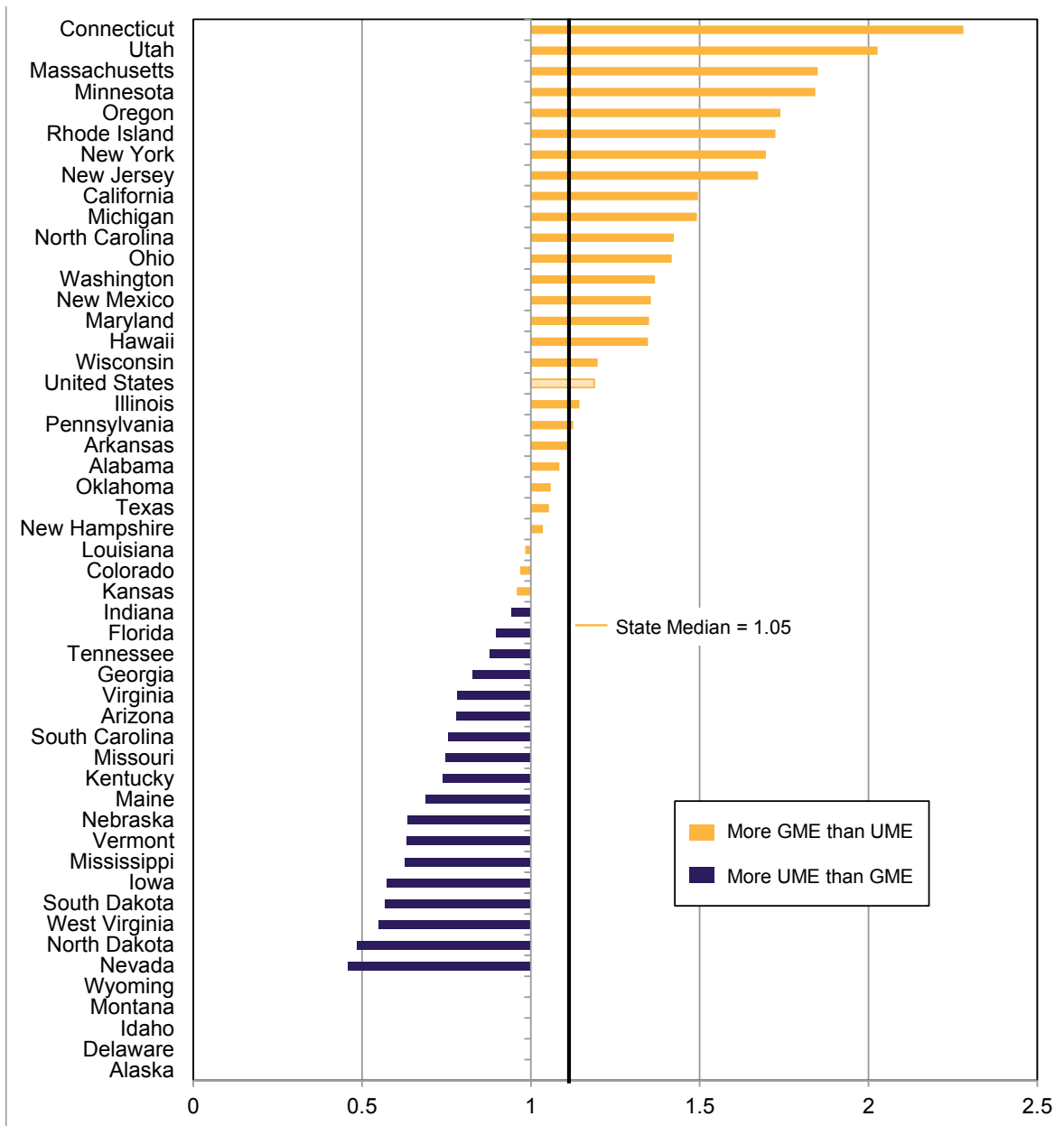
Source: 2014 AAMC/AMA National GME Census (data extracted in August 2015).

N.R. = Not Ranked

* Total includes 188 physicians who are graduates of Canadian schools.

4. Ratio of Graduate Medical Education (GME) to Undergraduate Medical Education (UME), Academic Year 2013–2014

Figure 3.4. Ratio of Graduate Medical Education (GME) to Undergraduate Medical Education (UME), Academic Year 2013–2014



Sources: Medical school enrollment data from M.D.-granting institutions were obtained from the Association of American Medical Colleges (AAMC) Student Records System (SRS) and are as of August 2015. Enrollment data from D.O.-granting institutions were obtained from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of July 2015. Data for residents in Accreditation Council for Graduate Medical Education (ACGME) programs are from *JAMA* 2014; 312(22): 2427-2445. Data for residents in Osteopathic Graduate Medical Education (OGME) programs are from *JAOA* 2015; 115(4): 268-274.

Notes: GME data in this figure are from academic year 2013–2014, which differs from other tables and figures in this report. OGME data for 2014–2015 were not available at the time of publication. California UME enrollment data for D.O.-granting institutions includes enrollment at Western University's Northwest campus in Lebanon, Ore.

Table 3.4. Ratio of Graduate Medical Education (GME) to Undergraduate Medical Education (UME), Academic Year 2013–2014

	Students Enrolled in UME			Residents and Fellows in GME			GME to UME Ratio	Rank
	Total	M.D.-Granting Institution	D.O.-Granting Institution	Total	ACGME Programs	OGME Programs		
United States	105,152	82,081	23,071	124,877	116,667	8,210	1.2	N.R.
Alabama	1,210	1,048	162	1,312	1,310	2	1.1	21
Alaska	---	---	---	53	38	15	---	---
Arizona	2,200	742	1,458	1,712	1,640	72	0.8	33
Arkansas	689	689	---	763	756	7	1.1	20
California	6,973	5,198	1,775	10,426	10,159	267	1.5	9
Colorado	1,319	695	624	1,278	1,245	33	1.0	26
Connecticut	988	988	---	2,254	2,232	22	2.3	1
Delaware	---	---	---	284	261	23	---	---
District of Columbia	2,042	2,042	---	1,749	1,749	---	0.9	N.R.
Florida	5,138	3,410	1,728	4,609	3,772	837	0.9	29
Georgia	2,697	2,224	473	2,229	2,192	37	0.8	31
Hawaii	268	268	---	361	361	---	1.3	16
Idaho	---	---	---	98	98	---	---	---
Illinois	5,654	4,851	803	6,468	6,072	396	1.1	18
Indiana	1,532	1,370	162	1,445	1,422	23	0.9	28
Iowa	1,552	669	883	891	846	45	0.6	41
Kansas	837	837	---	802	783	19	1.0	27
Kentucky	1,589	1,157	432	1,176	1,130	46	0.7	36
Louisiana	2,072	2,072	---	2,038	2,038	---	1.0	25
Maine	547	---	547	377	331	46	0.7	37
Maryland	1,959	1,959	---	2,645	2,645	---	1.4	15
Massachusetts	3,022	3,022	---	5,589	5,570	19	1.8	3
Michigan	4,423	3,155	1,268	6,599	4,948	1,651	1.5	10
Minnesota	1,245	1,245	---	2,294	2,287	7	1.8	4
Mississippi	958	554	404	600	576	24	0.6	40
Missouri	3,852	2,169	1,683	2,880	2,730	150	0.7	35
Montana	---	---	---	42	37	5	---	---
Nebraska	1,141	1,141	---	724	724	---	0.6	38
Nevada	814	266	548	373	294	79	0.5	45
New Hampshire	391	391	---	405	405	---	1.0	24
New Jersey	2,069	1,435	634	3,461	2,842	619	1.7	8
New Mexico	422	422	---	572	572	---	1.4	14
New York	9,917	8,174	1,743	16,821	16,033	788	1.7	7
North Carolina	2,263	2,101	162	3,221	3,175	46	1.4	11
North Dakota	266	266	---	129	129	---	0.5	44
Ohio	4,747	4,236	511	6,726	5,950	776	1.4	12
Oklahoma	1,081	670	411	1,145	847	298	1.1	22
Oregon	564	564	---	981	896	85	1.7	5
Pennsylvania	8,028	5,459	2,569	9,036	7,927	1,109	1.1	19
Puerto Rico	1,310	1,310	---	760	760	---	0.6	N.R.
Rhode Island	476	476	---	821	778	43	1.7	6
South Carolina	1,688	1,212	476	1,277	1,262	15	0.8	34
South Dakota	238	238	---	135	135	---	0.6	42
Tennessee	2,712	1,933	779	2,379	2,352	27	0.9	30
Texas	7,284	6,377	907	7,673	7,520	153	1.1	23
Utah	373	373	---	756	754	2	2.0	2
Vermont	469	469	---	296	296	---	0.6	39
Virginia	2,978	2,228	750	2,331	2,145	186	0.8	32
Washington	1,344	982	362	1,838	1,791	47	1.4	13
West Virginia	1,526	709	817	840	700	140	0.6	43
Wisconsin	1,595	1,595	---	1,911	1,871	40	1.2	17
Wyoming	---	---	---	52	41	11	---	---

Sources: Medical school enrollment data from M.D.-granting institutions were obtained from the Association of American Medical Colleges (AAMC) Student Records System (SRS) and are as of August 2015. Enrollment data from D.O.-granting institutions were obtained from the American Association of Colleges of Osteopathic Medicine (AACOM) and are as of July 2015. Data for residents in Accreditation Council for Graduate Medical Education (ACGME) programs are from JAMA. 2014;312(22):2427-2445. Data for residents in Osteopathic Graduate Medical Education (OGME) programs are from JAOA 2015;115(4):268-274.

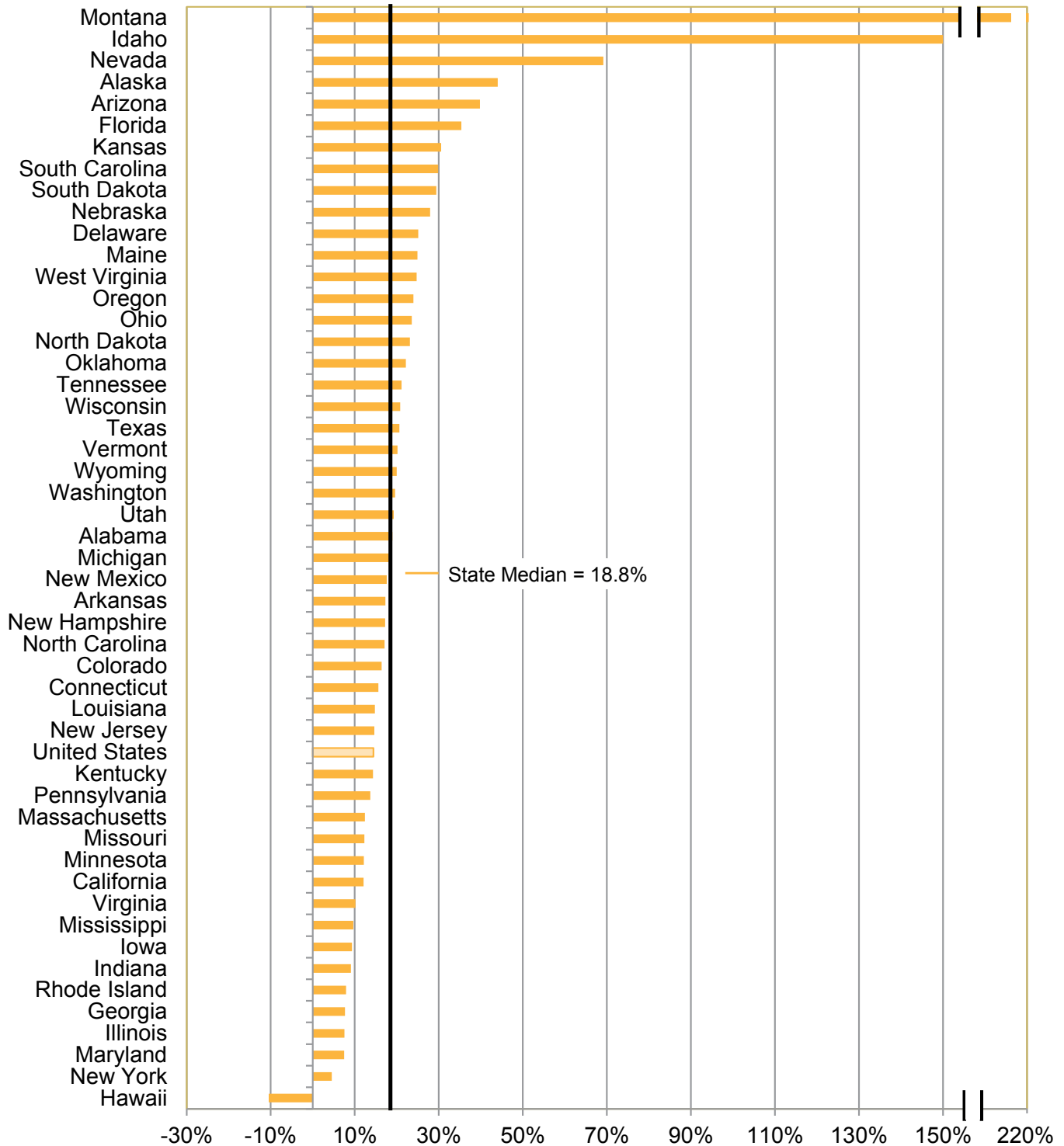
Note: GME data in this table are from academic year 2013-2014, which differs from other tables. OGME data for 2014-2015 were not available at the time of publication. California UME enrollment data for D.O.-granting institutions includes enrollment at Western University's Northwest campus in Lebanon, Oregon.

N.R. = Not Ranked

--- Indicates that the data are not applicable. Some states did not have a school or a GME program in the 2013-2014 academic year.

5. Change in Number of Residents and Fellows in ACGME-Accredited Programs, 2004–2014

Figure 3.5. Percentage Change in Number of Residents and Fellows in ACGME-Accredited Programs, 2004–2014



Source: 2004 and 2014 AAMC/AMA National GME Census (data extracted in August 2015).

Table 3.5. Change in Number of Residents and Fellows in ACGME-Accredited Programs, 2004–2014

	Total Residents and Fellows in ACGME-Accredited Programs				
	2004	2014	Number Change	Percent Change	Rank
United States	102,699	117,535	14,836	14.4%	N.R.
Alabama	1,134	1,349	215	19.0%	25
Alaska	25	36	11	44.0%	4
Arizona	1,173	1,640	467	39.8%	5
Arkansas	637	747	110	17.3%	28
California	9,047	10,142	1,095	12.1%	40
Colorado	1,093	1,272	179	16.4%	31
Connecticut	1,969	2,276	307	15.6%	32
Delaware	291	364	73	25.1%	11
District of Columbia	1,688	1,682	-6	-0.4%	N.R.
Florida	2,930	3,967	1,037	35.4%	6
Georgia	1,932	2,080	148	7.7%	46
Hawaii	420	376	-44	-10.5%	50
Idaho	42	105	63	150.0%	2
Illinois	5,604	6,028	424	7.6%	47
Indiana	1,297	1,415	118	9.1%	44
Iowa	769	841	72	9.4%	43
Kansas	615	803	188	30.6%	7
Kentucky	969	1,108	139	14.3%	35
Louisiana	1,786	2,050	264	14.8%	33
Maine	265	331	66	24.9%	12
Maryland	2,638	2,836	198	7.5%	48
Massachusetts	4,901	5,510	609	12.4%	37
Michigan	4,204	4,995	791	18.8%	26
Minnesota	2,058	2,308	250	12.1%	39
Mississippi	509	558	49	9.6%	42
Missouri	2,426	2,724	298	12.3%	38
Montana	18	57	39	216.7%	1
Nebraska	583	746	163	28.0%	10
Nevada	201	340	139	69.2%	3
New Hampshire	349	409	60	17.2%	29
New Jersey	2,508	2,875	367	14.6%	34
New Mexico	500	588	88	17.6%	27
New York	15,401	16,100	699	4.5%	49
North Carolina	2,723	3,189	466	17.1%	30
North Dakota	108	133	25	23.1%	16
Ohio	4,805	5,938	1,133	23.6%	15
Oklahoma	627	766	139	22.2%	17
Oregon	726	900	174	24.0%	14
Pennsylvania	6,930	7,881	951	13.7%	36
Puerto Rico	717	802	85	11.9%	N.R.
Rhode Island	719	776	57	7.9%	45
South Carolina	982	1,275	293	29.8%	8
South Dakota	102	132	30	29.4%	9
Tennessee	1,923	2,329	406	21.1%	18
Texas	6,497	7,835	1,338	20.6%	20
Utah	613	731	118	19.2%	24
Vermont	243	292	49	20.2%	21
Virginia	1,993	2,196	203	10.2%	41
Washington	1,566	1,873	307	19.6%	23
West Virginia	562	701	139	24.7%	13
Wisconsin	1,563	1,888	325	20.8%	19
Wyoming	35	42	7	20.0%	22

Source: 2004 and 2014 AAMC/AMA National GME Census (data extracted in August 2015).

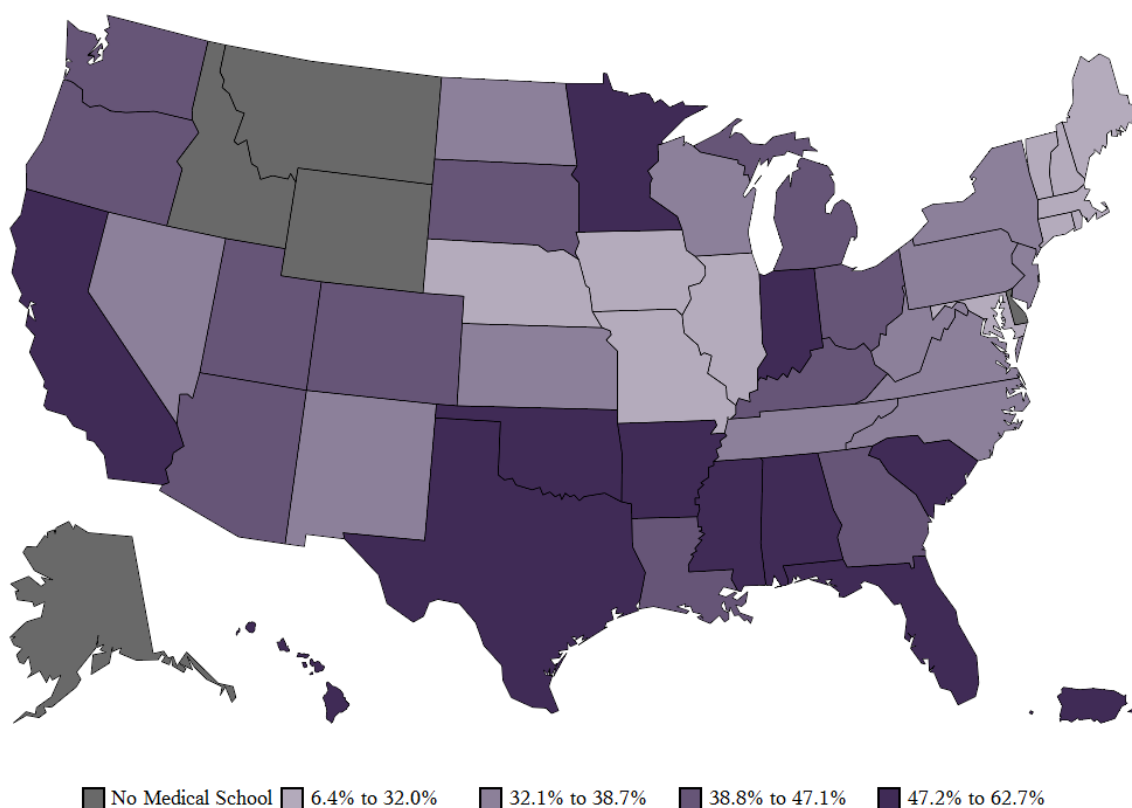
N.R. = Not Ranked

Section 4: Retention

Key Findings

- In 2014, 38.7 percent of physicians were active in the same state where they received their UME. Six of the top 10 states in terms of UME retention were in the South (see Map 4.1, Figure 4.1, and Table 4.1).

Map 4.1. Physicians Retained from Undergraduate Medical Education (UME), 2014

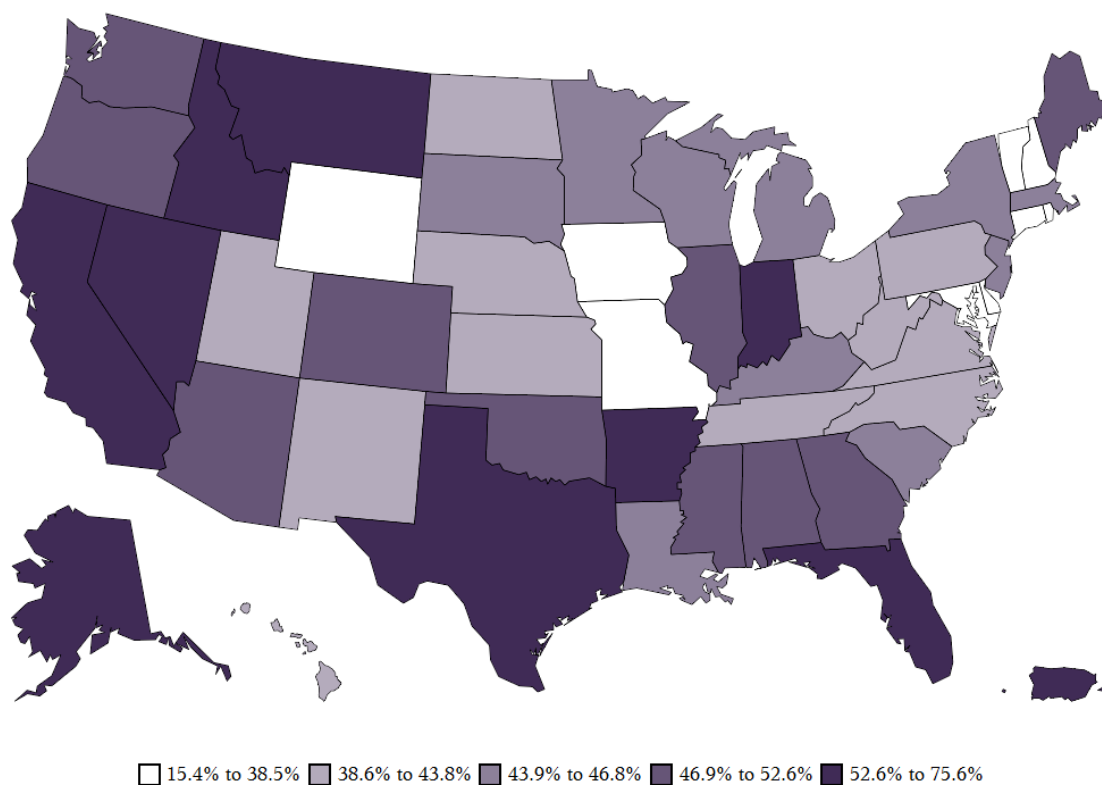


Source: AMA Physician Masterfile (December 31, 2014).

Note: The University of Washington recruits students from Washington, Wyoming, Alaska, Montana, and Idaho for admission to its WWAMI regional medical education program. However, retention numbers for the state of Washington do not include 850 graduates from the University of Washington who are active in the other four WWAMI states. When included, the UME retention rate for the WWAMI region is 58.2 percent.

- In 2014, 46.8 percent of the physicians who graduated from a public school were active in the same state from which they completed UME (see Figure 4.2 and Table 4.2).
- In 2014, 47.2 percent of physicians were active in the state where they completed their most recent GME. Six of the top 10 states with the highest GME retention rates were in the West (see Map 4.3, Figure 4.3, and Table 4.3).

Map 4.3. Physicians Retained from Graduate Medical Education (GME), 2014

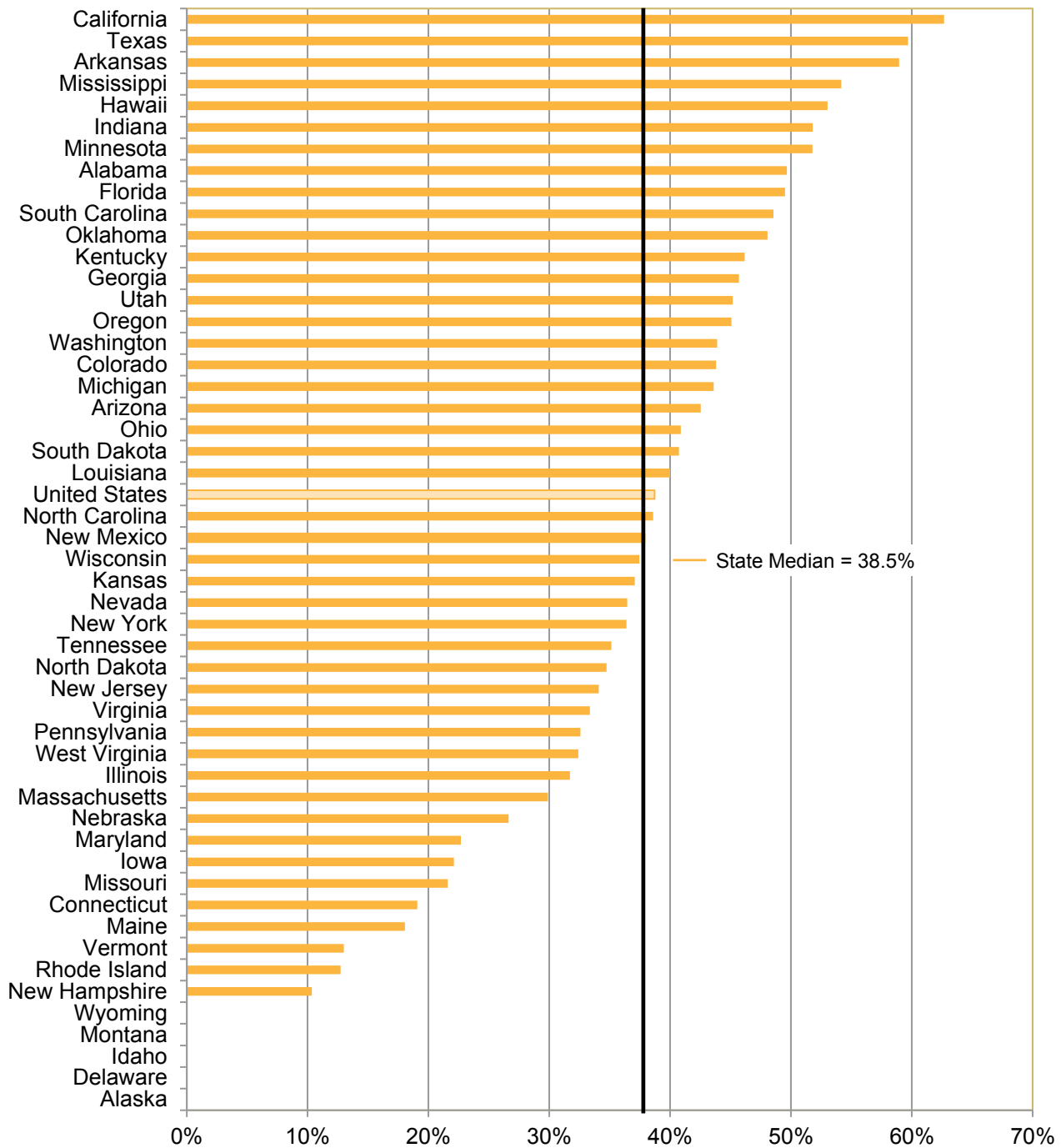


Source: AMA Physician Masterfile (December 31, 2014)

- Retention rates were highest among physicians who completed both UME and GME in the same state. Two-thirds (66.8 percent) of the physicians who completed UME and GME in the same state remained in the state to practice. In terms of overall retention (i.e., both UME and GME were completed in the same state), eight of the top 10 states were in the South and West (see Figure 4.4 and Table 4.4).

1. Physicians Retained from Undergraduate Medical Education (UME), 2014

Figure 4.1. Physicians Retained from Undergraduate Medical Education (UME), 2014



Source: AMA Physician Masterfile (December 31, 2014).

Note: The University of Washington recruits students from Washington, Wyoming, Alaska, Montana, and Idaho for admission to its WWAMI regional medical education program. However, retention numbers for the state of Washington do not include 850 graduates from the University of Washington who are active in the other four WWAMI states. When included, the UME retention rate for the WWAMI region is 58.2 percent.

Table 4.1. Physicians Retained from Undergraduate Medical Education (UME), 2014

	Active Physicians Who Graduated from M.D.- or D.O.-Granting Institution In State	Active Physicians Who Graduated from M.D.- or D.O.-Granting Institution in State and Are Active in State		
		Number	Percent	Rank
United States	630,376	244,040	38.7%	N.R.
Alabama	7,609	3,779	49.7%	8
Alaska	---	---	---	---
Arizona	4,289	1,824	42.5%	19
Arkansas	4,791	2,824	58.9%	3
California	41,020	25,705	62.7%	1
Colorado	4,753	2,082	43.8%	17
Connecticut	6,579	1,255	19.1%	41
Delaware	---	---	---	---
District of Columbia	16,465	1,059	6.4%	N.R.
Florida	16,220	8,031	49.5%	9
Georgia	12,402	5,668	45.7%	13
Hawaii	1,922	1,019	53.0%	5
Idaho	---	---	---	---
Illinois	42,634	13,515	31.7%	35
Indiana	10,105	5,234	51.8%	6
Iowa	12,332	2,726	22.1%	39
Kansas	6,412	2,377	37.1%	26
Kentucky	8,947	4,130	46.2%	12
Louisiana	15,277	6,109	40.0%	22
Maine	2,322	419	18.0%	42
Maryland	14,798	3,356	22.7%	38
Massachusetts	21,335	6,375	29.9%	36
Michigan	23,551	10,270	43.6%	18
Minnesota	10,275	5,321	51.8%	7
Mississippi	4,088	2,214	54.2%	4
Missouri	27,603	5,963	21.6%	40
Montana	---	---	---	---
Nebraska	8,900	2,370	26.6%	37
Nevada	1,608	586	36.4%	27
New Hampshire	2,009	208	10.4%	45
New Jersey	11,438	3,899	34.1%	31
New Mexico	2,418	916	37.9%	24
New York	69,736	25,378	36.4%	28
North Carolina	14,892	5,748	38.6%	23
North Dakota	1,641	570	34.7%	30
Ohio	30,898	12,634	40.9%	20
Oklahoma	7,917	3,805	48.1%	11
Oregon	3,734	1,683	45.1%	15
Pennsylvania	48,942	15,948	32.6%	33
Puerto Rico	8,812	4,641	52.7%	N.R.
Rhode Island	2,506	319	12.7%	44
South Carolina	6,874	3,337	48.5%	10
South Dakota	1,522	620	40.7%	21
Tennessee	14,611	5,133	35.1%	29
Texas	39,773	23,736	59.7%	2
Utah	3,661	1,654	45.2%	14
Vermont	3,326	432	13.0%	43
Virginia	14,092	4,700	33.4%	32
Washington	5,937	2,606	43.9%	16
West Virginia	6,281	2,035	32.4%	34
Wisconsin	11,931	4,468	37.4%	25
Wyoming	---	---	---	---

Source: AMA Physician Masterfile (December 31, 2014).

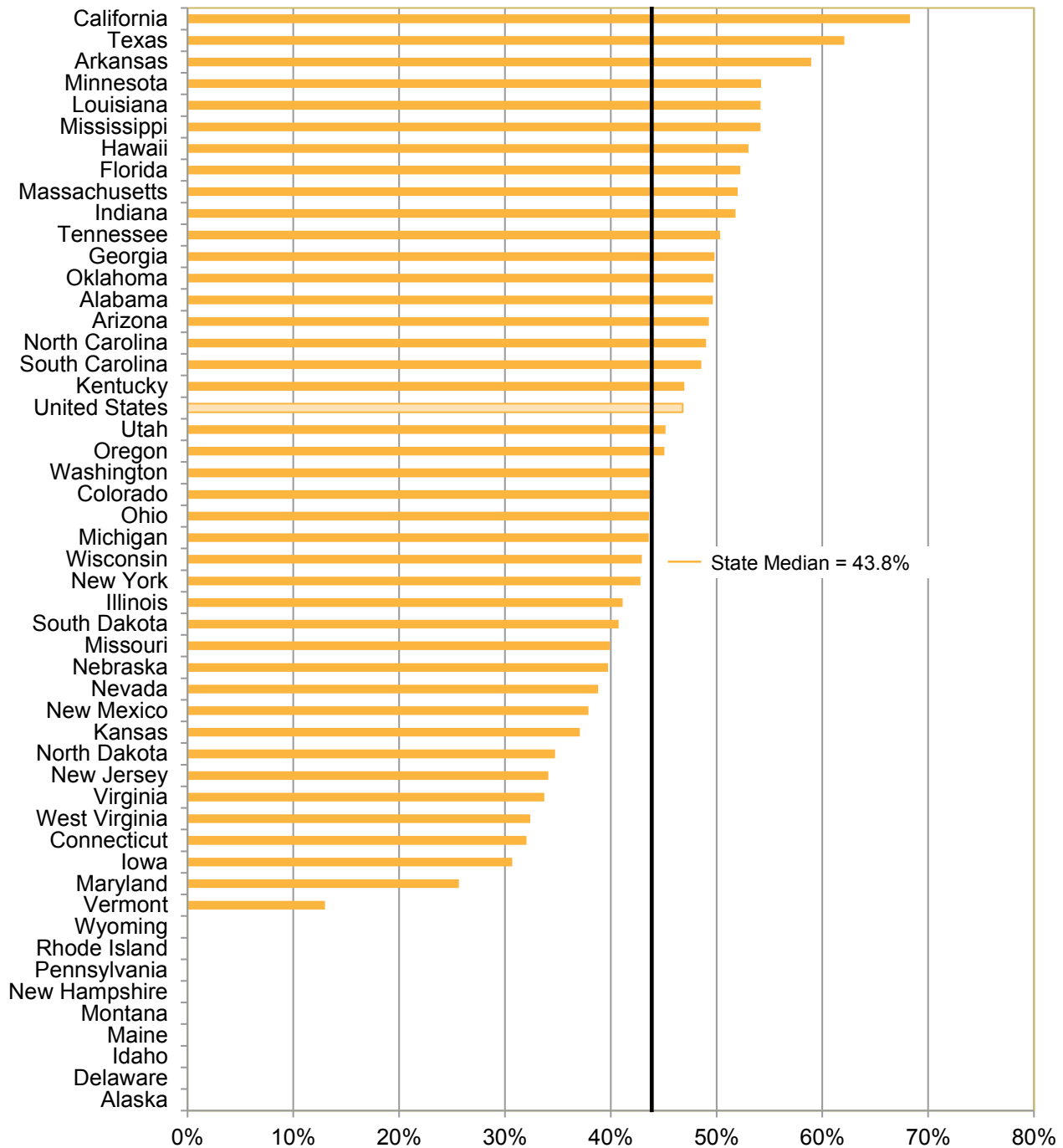
Note: The University of Washington recruits students from Washington, Wyoming, Alaska, Montana, and Idaho for admission to its WWAMI regional medical education program. However, retention numbers for the state of Washington do not include 850 graduates from the University of Washington who are active in the other four WWAMI states. When included, the UME retention rate for the WWAMI region is 58.2 percent.

N.R. = Not Ranked

--- Indicates that the data are not applicable. Some states do not have an M.D.-granting or a D.O.-granting institution.

2. Physicians Retained from Public Undergraduate Medical Education (UME), 2014

Figure 4.2. Physicians Retained from Public Undergraduate Medical Education (UME), 2014



Source: AMA Physician Masterfile (December 31, 2014).

Note: The University of Washington recruits students from Washington, Wyoming, Alaska, Montana, and Idaho for admission to its WWAMI regional medical education program. However, retention numbers for the state of Washington do not include 850 graduates from the University of Washington who are active in the other four WWAMI states. When included, the UME retention rate for the WWAMI region is 58.2 percent.

Table 4.2. Physicians Retained from Public Undergraduate Medical Education (UME), 2014

	Active Physicians Who Graduated from Public M.D.- or D.O.-Granting Institution in State	Active Physicians Who Graduated from Public M.D.- or D.O.-Granting Institution in State and Are Active in State		
		Number	Percent	Rank
United States	347,057	162,408	46.8%	N.R.
Alabama	7,609	3,779	49.7%	14
Alaska	---	---	---	---
Arizona	3,152	1,553	49.3%	15
Arkansas	4,791	2,824	58.9%	3
California	22,243	15,188	68.3%	1
Colorado	4,747	2,081	43.8%	22
Connecticut	2,640	846	32.0%	38
Delaware	---	---	---	---
District of Columbia	---	---	---	N.R.
Florida	7,301	3,814	52.2%	8
Georgia	6,342	3,159	49.8%	12
Hawaii	1,922	1,019	53.0%	7
Idaho	---	---	---	---
Illinois	13,241	5,445	41.1%	27
Indiana	10,105	5,234	51.8%	10
Iowa	5,946	1,825	30.7%	39
Kansas	6,412	2,377	37.1%	33
Kentucky	8,390	3,939	46.9%	18
Louisiana	9,482	5,136	54.2%	5
Maine	---	---	---	---
Maryland	10,234	2,626	25.7%	40
Massachusetts	3,056	1,589	52.0%	9
Michigan	23,551	10,270	43.6%	24
Minnesota	9,000	4,880	54.2%	4
Mississippi	4,088	2,214	54.2%	6
Missouri	6,478	2,587	39.9%	29
Montana	---	---	---	---
Nebraska	4,745	1,886	39.7%	30
Nevada	1,409	547	38.8%	31
New Hampshire	---	---	---	---
New Jersey	11,438	3,899	34.1%	35
New Mexico	2,418	916	37.9%	32
New York	22,175	9,491	42.8%	26
North Carolina	7,197	3,528	49.0%	16
North Dakota	1,641	570	34.7%	34
Ohio	25,637	11,181	43.6%	23
Oklahoma	7,597	3,777	49.7%	13
Oregon	3,734	1,683	45.1%	20
Pennsylvania	---	---	---	---
Puerto Rico	4,485	2,482	55.3%	N.R.
Rhode Island	---	---	---	---
South Carolina	6,873	3,337	48.6%	17
South Dakota	1,522	620	40.7%	28
Tennessee	7,956	4,006	50.4%	11
Texas	33,722	20,933	62.1%	2
Utah	3,661	1,654	45.2%	19
Vermont	3,326	432	13.0%	41
Virginia	13,686	4,616	33.7%	36
Washington	5,937	2,606	43.9%	21
West Virginia	6,281	2,035	32.4%	37
Wisconsin	5,372	2,306	42.9%	25
Wyoming	---	---	---	---

Source: AMA Physician Masterfile (December 31, 2014).

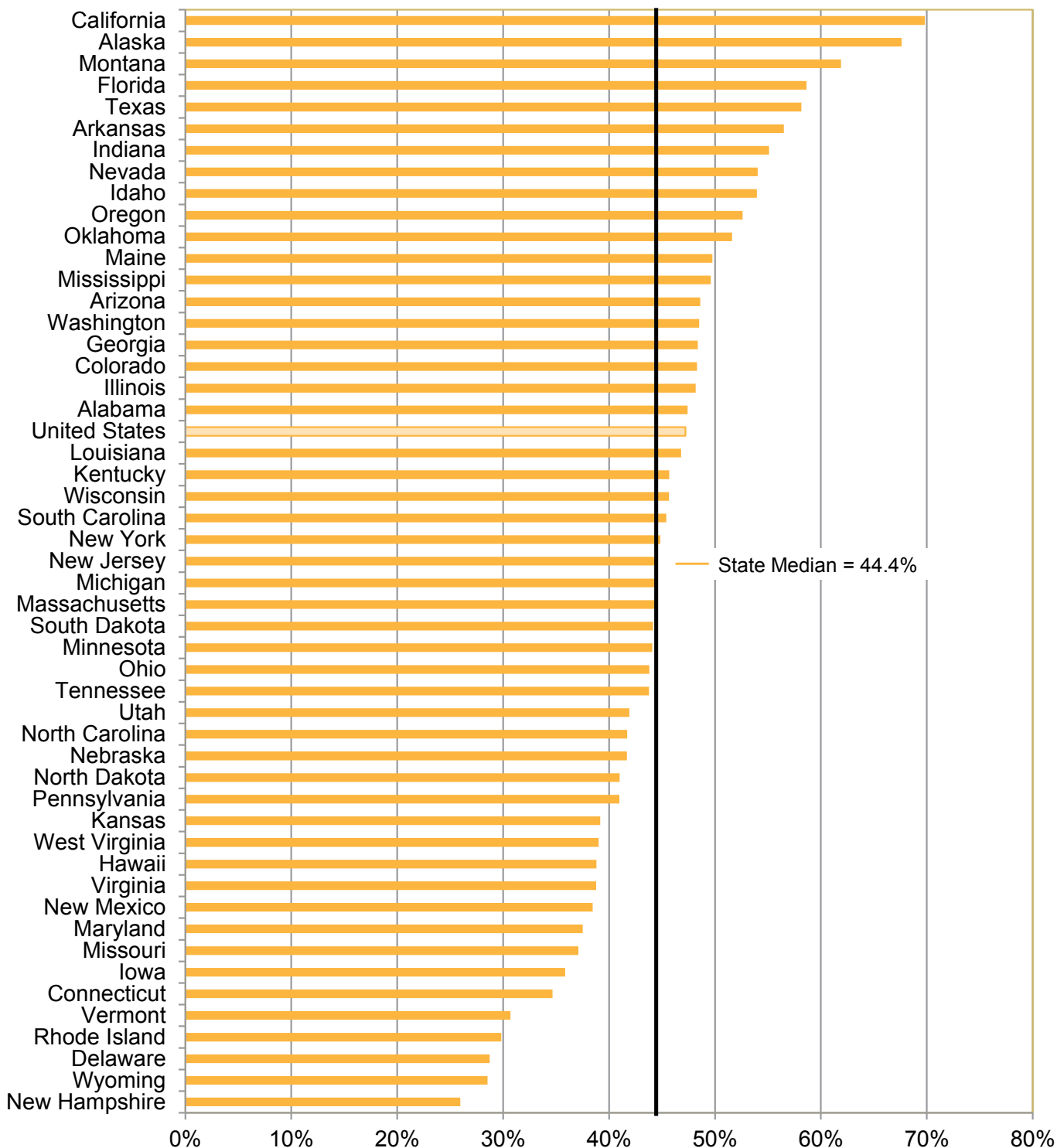
Note: The University of Washington recruits students from Washington, Wyoming, Alaska, Montana, and Idaho for admission to its WWAMI regional medical education program. However, retention numbers for the state of Washington do not include 850 graduates from the University of Washington who are active in the other four WWAMI states. When included, the UME retention rate for the WWAMI region is 58.2 percent.

N.R. = Not Ranked

--- Indicates that the data are not applicable. Some states do not have an M.D.-granting or a D.O.-granting institution.

3. Physicians Retained from Graduate Medical Education (GME), 2014

Figure 4.3. Physicians Retained from Graduate Medical Education (GME), 2014



Source: AMA Physician Masterfile (December 31, 2014).

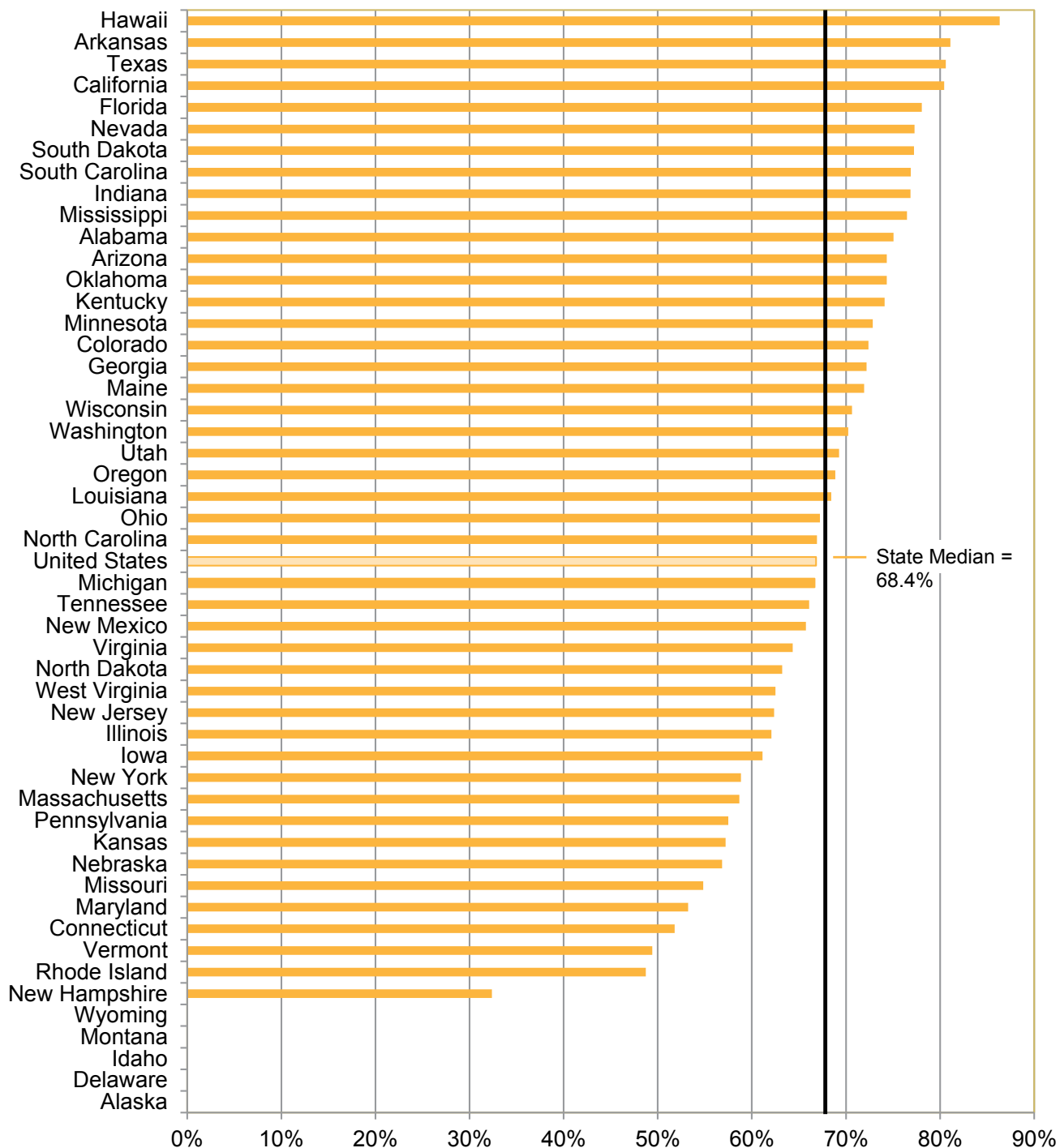
Table 4.3. Physicians Retained from Graduate Medical Education (GME), 2014

	Active Physicians Who Completed GME in State	Active Physicians Who Completed GME in State and Are Active in State		
		Number	Percent	Rank
United States	801,906	378,604	47.2%	N.R.
Alabama	8,647	4,099	47.4%	19
Alaska	139	94	67.6%	2
Arizona	8,258	4,014	48.6%	14
Arkansas	4,797	2,710	56.5%	6
California	79,976	55,842	69.8%	1
Colorado	9,910	4,788	48.3%	17
Connecticut	13,824	4,791	34.7%	45
Delaware	1,542	443	28.7%	48
District of Columbia	16,283	2,511	15.4%	N.R.
Florida	23,174	13,590	58.6%	4
Georgia	15,024	7,269	48.4%	16
Hawaii	3,040	1,180	38.8%	39
Idaho	378	204	54.0%	9
Illinois	43,182	20,801	48.2%	18
Indiana	10,344	5,701	55.1%	7
Iowa	6,730	2,413	35.9%	44
Kansas	5,795	2,270	39.2%	37
Kentucky	8,061	3,682	45.7%	21
Louisiana	13,199	6,177	46.8%	20
Maine	1,974	982	49.7%	12
Maryland	19,888	7,462	37.5%	42
Massachusetts	36,427	16,153	44.3%	27
Michigan	34,253	15,200	44.4%	26
Minnesota	18,363	8,095	44.1%	29
Mississippi	3,622	1,797	49.6%	13
Missouri	18,785	6,972	37.1%	43
Montana	105	65	61.9%	3
Nebraska	4,326	1,803	41.7%	34
Nevada	1,168	631	54.0%	8
New Hampshire	2,004	520	25.9%	50
New Jersey	18,670	8,323	44.6%	25
New Mexico	3,373	1,297	38.5%	41
New York	114,182	51,196	44.8%	24
North Carolina	19,441	8,108	41.7%	33
North Dakota	895	367	41.0%	35
Ohio	39,873	17,461	43.8%	30
Oklahoma	5,931	3,061	51.6%	11
Oregon	5,628	2,961	52.6%	10
Pennsylvania	53,344	21,857	41.0%	36
Puerto Rico	6,926	5,235	75.6%	N.R.
Rhode Island	4,606	1,374	29.8%	47
South Carolina	8,001	3,632	45.4%	23
South Dakota	761	336	44.2%	28
Tennessee	14,367	6,288	43.8%	31
Texas	48,662	28,298	58.2%	5
Utah	4,821	2,021	41.9%	32
Vermont	1,694	520	30.7%	46
Virginia	15,102	5,857	38.8%	40
Washington	12,085	5,861	48.5%	15
West Virginia	4,250	1,658	39.0%	38
Wisconsin	12,613	5,758	45.7%	22
Wyoming	389	111	28.5%	49

Source: AMA Physician Masterfile (December 31, 2014).
N.R. = Not Ranked

4. Physicians Retained from Undergraduate Medical Education (UME) and Graduate Medical Education (GME) Combined, 2014

Figure 4.4. Physicians Retained from Undergraduate Medical Education (UME) and Graduate Medical Education (GME) Combined, 2014



Source: AMA Physician Masterfile (December 31, 2014).

Table 4.4. Physicians Retained from Undergraduate Medical Education (UME) and Graduate Medical Education (GME) Combined, 2014

	Active Physicians Who Graduated from M.D.- or D.O.-Granting Institution in State and Completed GME In State	Active Physicians Who Graduated from M.D.- or D.O.-Granting Institution in State, and Completed GME in State, and Are Active in State		
		Number	Percent	Rank
United States	241,572	161,418	66.8%	N.R.
Alabama	3,092	2,321	75.1%	11
Alaska	---	---	---	---
Arizona	1,376	1,023	74.3%	12
Arkansas	2,360	1,914	81.1%	2
California	25,523	20,529	80.4%	4
Colorado	1,727	1,250	72.4%	16
Connecticut	1,527	791	51.8%	42
Delaware	---	---	---	---
District of Columbia	3,497	711	20.3%	N.R.
Florida	5,503	4,296	78.1%	5
Georgia	4,288	3,095	72.2%	17
Hawaii	600	518	86.3%	1
Idaho	---	---	---	---
Illinois	15,529	9,639	62.1%	33
Indiana	4,733	3,638	76.9%	9
Iowa	2,382	1,456	61.1%	34
Kansas	2,369	1,355	57.2%	38
Kentucky	3,071	2,276	74.1%	14
Louisiana	6,121	4,189	68.4%	23
Maine	228	164	71.9%	18
Maryland	3,600	1,916	53.2%	41
Massachusetts	8,035	4,715	58.7%	36
Michigan	10,381	6,920	66.7%	26
Minnesota	5,177	3,771	72.8%	15
Mississippi	1,659	1,269	76.5%	10
Missouri	5,947	3,260	54.8%	40
Montana	---	---	---	---
Nebraska	2,271	1,291	56.8%	39
Nevada	229	177	77.3%	6
New Hampshire	173	56	32.4%	45
New Jersey	3,112	1,941	62.4%	32
New Mexico	686	451	65.7%	28
New York	34,540	20,328	58.9%	35
North Carolina	4,777	3,197	66.9%	25
North Dakota	329	208	63.2%	30
Ohio	13,153	8,842	67.2%	24
Oklahoma	2,766	2,056	74.3%	13
Oregon	1,070	737	68.9%	22
Pennsylvania	18,956	10,897	57.5%	37
Puerto Rico	3,968	3,075	77.5%	N.R.
Rhode Island	355	173	48.7%	44
South Carolina	2,465	1,895	76.9%	8
South Dakota	246	190	77.2%	7
Tennessee	4,728	3,124	66.1%	27
Texas	20,294	16,359	80.6%	3
Utah	947	656	69.3%	21
Vermont	348	172	49.4%	43
Virginia	3,840	2,471	64.3%	29
Washington	2,019	1,418	70.2%	20
West Virginia	1,869	1,168	62.5%	31
Wisconsin	3,674	2,595	70.6%	19
Wyoming	---	---	---	---

Source: AMA Physician Masterfile (December 31, 2014).

N.R. = Not Ranked

--- Indicates that the data are not applicable. Some states do not have an M.D.-granting or a D.O.-granting institution.

Summary

Between 2008 and 2014, there was an increase in the median number of active physicians and active patient care physicians per 100,000 population, but very little increase in the median number of active primary care physicians and general surgeons. From 2008 to 2014, the state medians for the percent of female physicians and the percent of physicians age 60 or older increased. While the median number of students enrolled in UME has increased relative to the population, the number of students enrolled in GME has remained flat. In terms of state retention, there has been very little change in the percent of physicians retained from both graduate and undergraduate medical education.

Summary Table: State Medians for Physician Supply, Undergraduate Medical Education (UME), Graduate Medical Education (GME), and In-State Retention, 2008, 2010, 2012, and 2014

	Median ¹ 2008	Median ² 2010	Median ³ 2012	Median 2014
Physician Supply				
Active Physicians per 100,000 Population	239.6	244.2	244.5	251.0
Total Active Patient Care Physicians per 100,000 Population	213.5	215.1	217.6	225.6
Active Primary Care Physicians per 100,000 Population	89.9	91.0	90.3	90.4
Active Patient Care Primary Care Physicians per 100,000 Population	80.1	80.4	81.5	83.1
Active General Surgeons per 100,000 Population	8.0	8.1	7.8	7.8
Active Patient Care General Surgeons per 100,000 Population	7.1	7.0	7.0	7.1
Percentage of Active Physicians Who Are Female	28.0%	29.3%	30.8%	32.4%
Percentage of Active Physicians Who Are International Medical Graduates (IMGs)	17.6%	17.8%	18.2%	18.7%
Percentage of Active Physicians Who Are Age 60 or Older	23.4%	25.2%	26.5%	28.5%
Undergraduate Medical Education (UME)				
Students Enrolled in a M.D.- or D.O.-Granting Institution per 100,000 Population	25.4	27.9	29.1	30.4
Students Enrolled in Public M.D.- or D.O.-Granting Institution per 100,000 Population	15.5	19.7	18.8	21.4
Percentage of M.D. Students Matriculating in State	64.4%	67.1%	67.7%	69.2%
Graduate Medical Education (GME)				
Total Residents/Fellows in ACGME-Accredited Programs per 100,000 Population	26.8	26.2	26.8	27.4
Total Residents/Fellows in Primary Care ACGME-Accredited Programs per 100,000 Population	10.5	10.2	10.4	10.5
Percentage of Residents and Fellows in ACGME-Accredited Programs who are IMGs	22.9%	23.1%	22.4%	22.2%
Ratio of GME to UME	1.11	1.09	1.05	1.05
Retention				
Percentage of Physicians Retained in State from UME	37.2%	39.2%	38.7%	38.6%
Percentage of Physicians Retained in State from Public UME	42.4%	45.5%	44.9%	43.9%
Percentage of Physicians Retained in State from GME	45.4%	45.7%	44.9%	44.5%
Percentage of Physicians Retained in State from UME and GME Combined	66.5%	67.4%	68.1%	68.4%

¹2009 State Physician Workforce Data Book, AAMC, <https://www.aamc.org/download/47340/data/statedata2009.pdf>.

²2011 State Physician Workforce Data Book, AAMC, <https://www.aamc.org/download/263512/data/statedata2011.pdf>.

³2013 State Physician Workforce Data Book, AAMC, <https://www.aamc.org/statedatabook>.



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