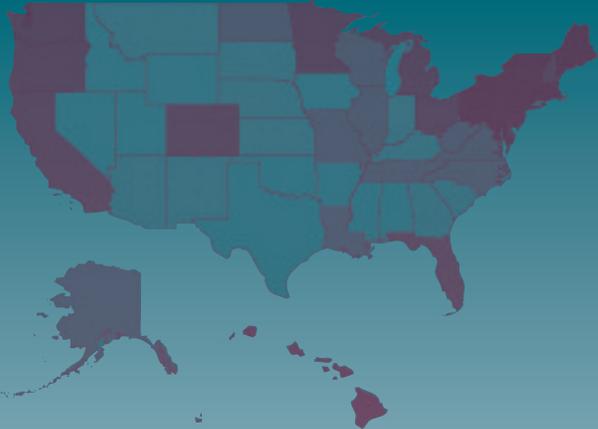
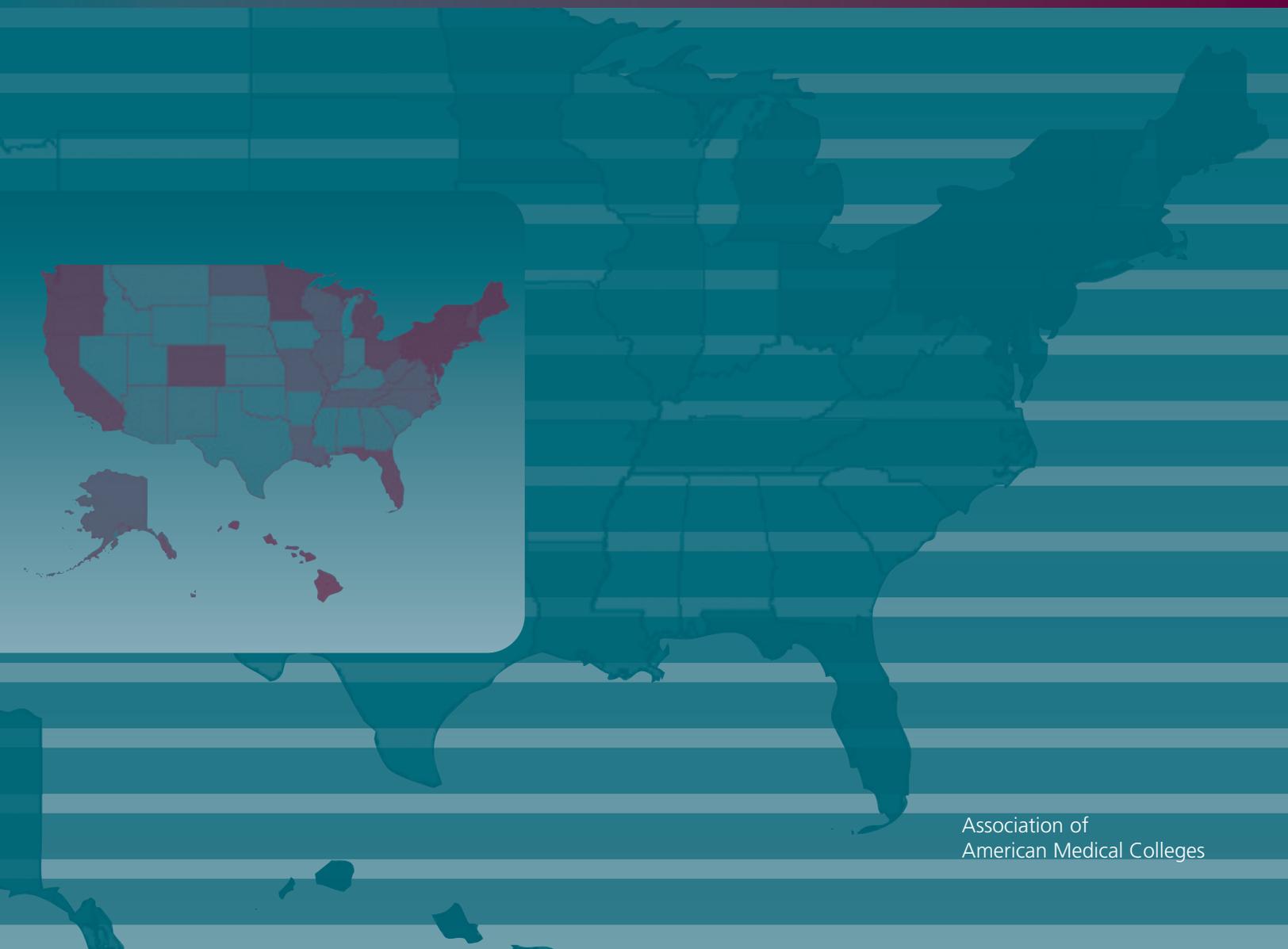


2009 State Physician Workforce Data Book

Center for Workforce Studies

November 2009



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The *2009 State Physician Workforce Data Book* can be viewed and downloaded on the Internet at www.aamc.org/workforce.

The Center for Workforce Studies welcomes your comments and suggestions for future editions of this report. Please send comments, suggestions, or questions to:

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Introduction

The *2009 State Physician Workforce Data Book* is an update of the *2007 State Physician Workforce Data Book*, examining current physician supply, medical school enrollment, and graduate medical education in the U.S. The report provides the most current data for each state and the District of Columbia in a series of figures and tables, including the U.S. average, state median (excluding DC)¹, and state rank. Additionally, the 2009 edition includes key findings, a new series of U.S. maps, as well as several new figures and tables.

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, percent female, age distribution, and type of medical education. Data by race and ethnicity were not available.

Section 2: Medical and Osteopathic School Enrollment. This section provides information on enrollment for both medical and osteopathic schools, as well as data on in-state matriculation. Alaska, Delaware, Idaho, Montana, and Wyoming do not have medical or osteopathic schools, but four of those states (Alaska, Idaho, Montana, and Wyoming) have an agreement with the University of Washington to reserve slots for residents of those four states at the University of Washington School of Medicine. 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, degree type, and location of medical school. 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) are also included.

Section 4: In-state Retention. This section presents data on states' retention of the physicians they educate in medical or osteopathic schools and train in graduate medical education (GME) programs.

The primary data sources for this report are:

- The American Medical Association (AMA) Physician Masterfile (December 31, 2008);
- The U.S. Census Bureau;
- The AAMC Student Record System;
- The American Association of Colleges of Osteopathic Medicine;
- The American Osteopathic Association; and
- The National GME Census, which is jointly conducted 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 the District of Columbia, and dividing the sum by 51. The state median, on the other hand, excludes D.C. and is the value directly in the middle of the 50 states, so 25 states are above the state median and 25 states are below the state median.

Key Definitions

Active physicians: Physicians who report working in administration, direct patient care, medical research, medical teaching, or other non-patient care activities are considered active. Physicians whose major professional activity is unclassified are also considered active. Physicians who are classified as retired, semi-retired, temporarily not in practice, or not active for other reasons are excluded. Residents and fellows are also excluded.

These data refer to physicians who are active in the 50 states of the United States and the District of Columbia—regardless of where they attended medical or osteopathic school. Physicians active in other areas, such as Puerto Rico and other US 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 office state was missing, the state from the preferred mailing address was used. This substitution occurred for approximately 14 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 Doctor of Medicine (M.D.) degree from a medical school in the United States or Puerto Rico accredited by the Liaison Committee on Medical Education. Graduates of Canadian medical schools are not counted as U.S.M.D.s.

D.O.: Physicians who received their Doctor of Osteopathy (D.O.) degree from a U.S. osteopathic school accredited by the American Osteopathic Association.

International medical graduate (IMG): An individual who graduated from a medical school outside of 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 US. Please note that although graduates of Canadian medical schools who are practicing in the US 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, family medicine, general practice, geriatric 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, geriatric medicine (family medicine), geriatric medicine (internal medicine), geriatric medicine/family practice, geriatric medicine/internal medicine, internal medicine, internal medicine/family practice, internal medicine/pediatrics, internal medicine/preventive medicine, or pediatrics.

Residents: Physicians who have completed undergraduate medical education and are at any level of training in an 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.

Medical school: A school that confers the Doctor of Medicine (M.D.) degree and is accredited by the Liaison Committee on Medical Education.

Osteopathic school: A school that confers the Doctor of Osteopathy (D.O.) degree and is accredited by the American Osteopathic Association.

Commonly Used Acronyms

AACOM Association of American 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

DO Doctor of Osteopathy

GME Graduate Medical Education

IMG International Medical Graduate

MD Doctor of Medicine

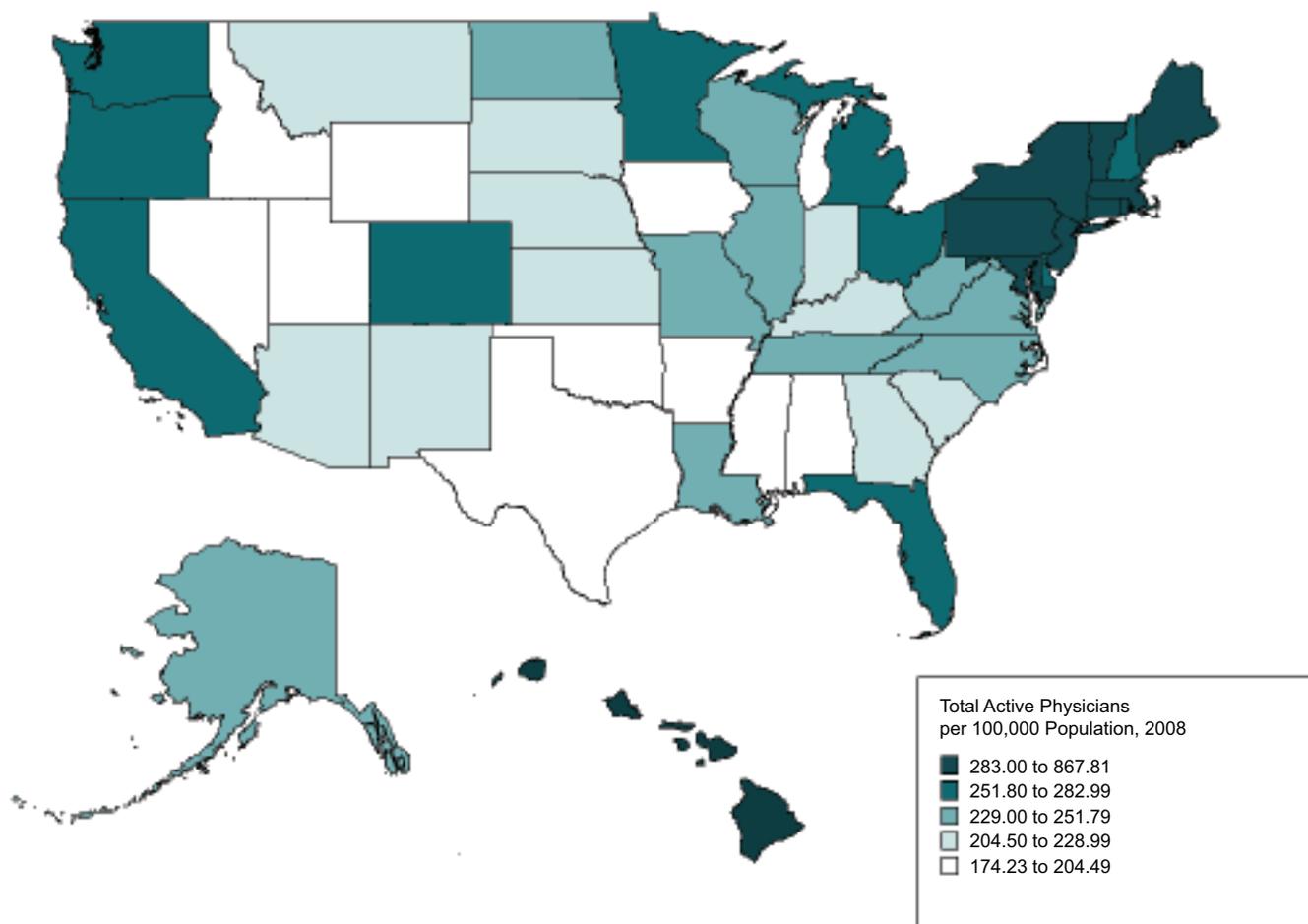
OGME Osteopathic Graduate Medical Education

UME Undergraduate Medical Education

Key Findings – Physician Supply

- In 2008, there were 254.5 active physicians per 100,000 population in the US, ranging from a high of 405.4 in Massachusetts to a low of 174.2 in Mississippi. The states with the highest number of physicians per 100,000 population are concentrated in the northeast (see Map 1, Figure 1, and Table 1).

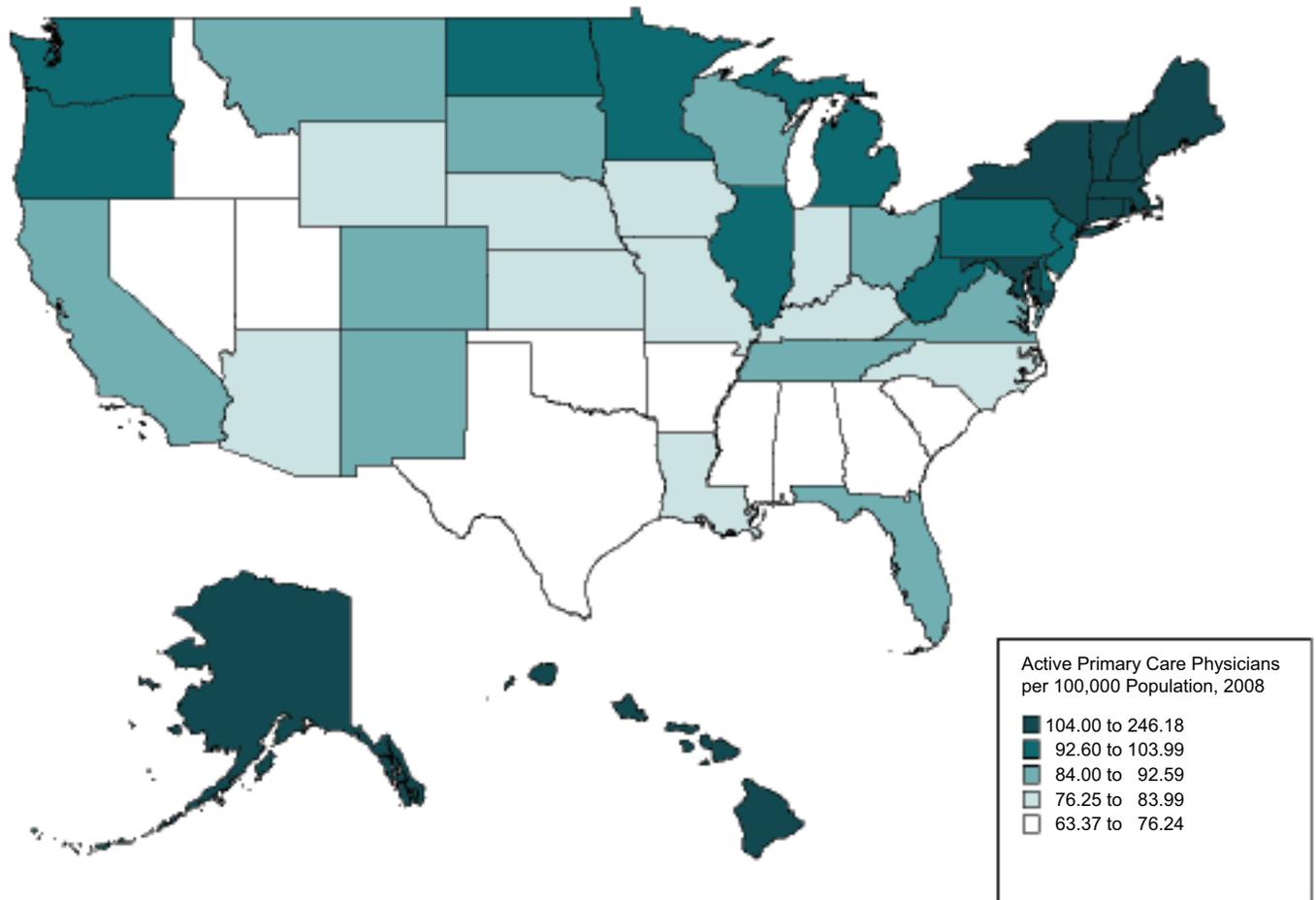
Map 1. Total Active Physicians per 100,000 Population, 2008



Source: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physician data are from the AMA Physician Masterfile (December 31, 2008).

- Nationally in 2008, there were 219.6 physicians active in patient care² per 100,000 population. Massachusetts had the highest number of patient care physicians per 100,000 population (316.2), while Mississippi had the lowest (159.2) (see Figure 2 and Table 2).
- There were 89.6 primary care physicians per 100,000 population in the US in 2008. Once again, Massachusetts was at the top with a high of 129.4. Utah had the lowest number of primary care physicians per 100,000 population (63.4). The distribution of primary care physicians per 100,000 population is very similar to the distribution of all physicians per 100,000 population (see Map 2, Figure 3, and Table 3).

Map 2. Active Primary Care Physicians per 100,000 Population, 2008

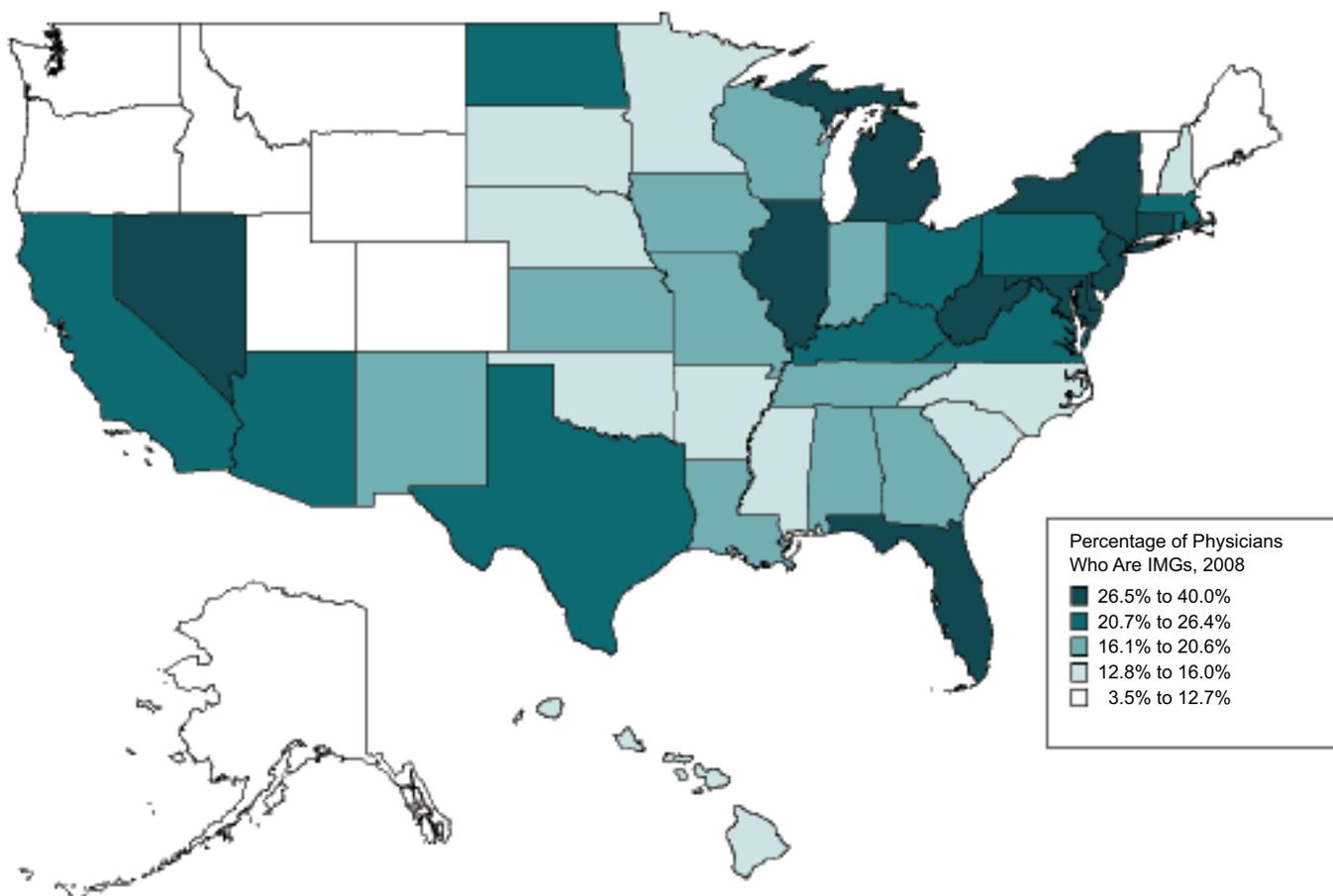


Source: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physician data are from the AMA Physician Masterfile (December 31, 2008).

² This refers to physicians whose type of practice is categorized as patient care. Physicians whose type of practice is administration, medical research, medical teaching, or other non-patient care activities are not included here.

- In 2008, there were 79.4 primary care physicians active in patient care per 100,000 population in the US, ranging from a low of 57.5 in Utah to a high of 111.4 in Vermont. In Oklahoma and Iowa, D.O.s represented more than one quarter of the patient care primary care physicians (see Figure 4 and Table 4).
- In 2008, more than one third (35.1 percent) of active physicians in Massachusetts were female. Idaho had the lowest percentage of female physicians (19.9). Nationally, 28.9 percent of the physicians were female (see Figure 5 and Table 5).
- In 2008, states varied widely in the percentage of their physician workforce that graduated from an international medical school³ (see Map 3, Figure 6, and Table 6). Nationally, 24.2 percent of the physician workforce was IMGs. New Jersey and New York had the highest percentages (39.9 and 39.7 percent, respectively), while Idaho and Montana had the lowest (3.5 and 4.7 percent, respectively).

Map 3. Percentage of Active Physicians Who Are IMGs, 2008

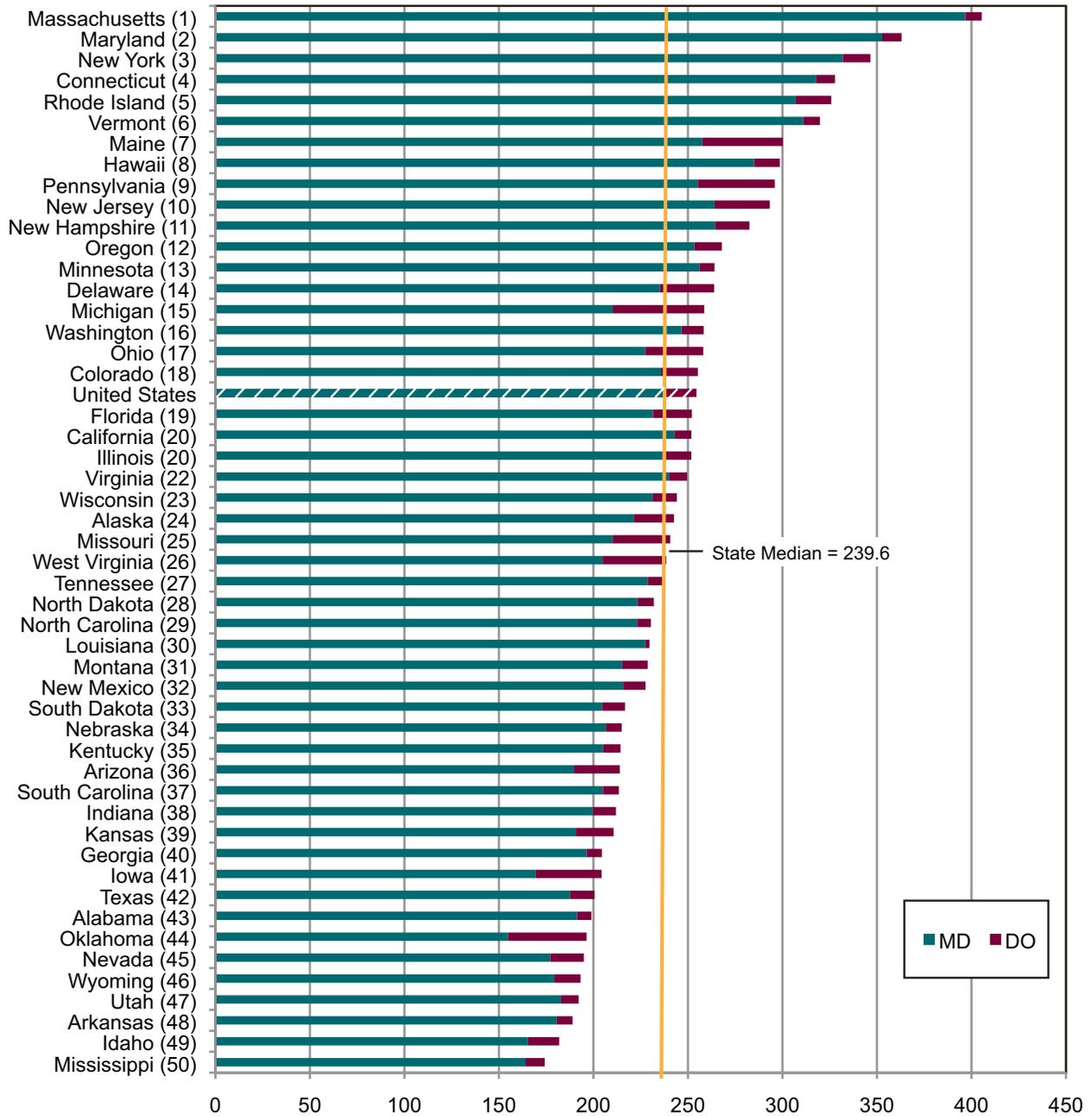


Source: AMA Physician Masterfile (December 31, 2008).

³ Graduates from Canadian medical schools are not considered IMGs. See Key Definitions for more information.

- Nationally, nearly one fourth (24.7 percent) of the active physician workforce was age 60 or older. There was limited variation among the states in the percentage of physicians who were age 60 or older in 2008. California had the highest percentage (29.2), while North Carolina had the lowest percentage (19.3) (see Figure 7 and Table 7).

Figure 1. Active Physicians per 100,000 Population by Degree Type, 2008



Sources: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physician data are from the 2009 AMA Physician Masterfile (December 31, 2008).

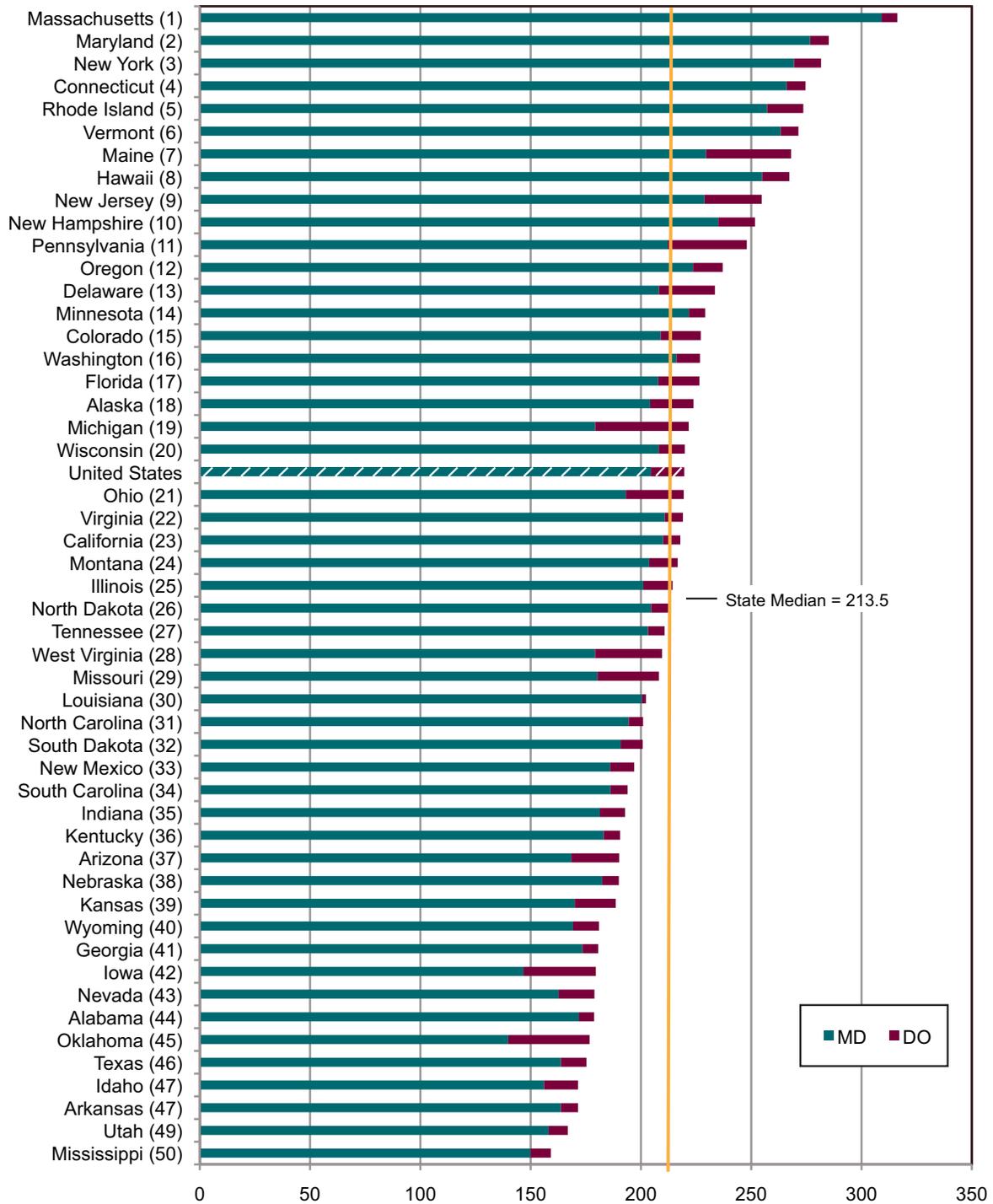
Table 1. Active Physicians per 100,000 Population by Degree Type, 2008

	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	304,059,724	773,809	254.5	N.R.	722,093	237.5	51,715	17.0
Alabama	4,661,900	9,274	198.9	43	8,921	191.4	353	7.6
Alaska	686,293	1,665	242.6	24	1,519	221.3	146	21.3
Arizona	6,500,180	13,909	214.0	36	12,334	189.7	1,574	24.2
Arkansas	2,855,390	5,396	189.0	48	5,153	180.5	243	8.5
California	36,756,666	92,563	251.8	20	89,254	242.8	3,309	9.0
Colorado	4,939,456	12,609	255.3	18	11,649	235.8	960	19.4
Connecticut	3,501,252	11,478	327.8	4	11,123	317.7	355	10.1
Delaware	873,092	2,304	263.9	14	2,054	235.3	250	28.6
District of Columbia	591,833	5,136	867.8	N.R.	5,034	850.6	102	17.2
Florida	18,328,340	46,201	252.1	19	42,433	231.5	3,768	20.6
Georgia	9,685,744	19,807	204.5	40	19,021	196.4	786	8.1
Hawaii	1,288,198	3,847	298.6	8	3,671	285.0	176	13.7
Idaho	1,523,816	2,771	181.8	49	2,521	165.4	250	16.4
Illinois	12,901,563	32,484	251.8	20	30,496	236.4	1,988	15.4
Indiana	6,376,792	13,513	211.9	38	12,731	199.6	782	12.3
Iowa	3,002,555	6,134	204.3	41	5,091	169.6	1,043	34.7
Kansas	2,802,134	5,903	210.7	39	5,344	190.7	559	19.9
Kentucky	4,269,245	9,149	214.3	35	8,758	205.1	391	9.2
Louisiana	4,410,796	10,131	229.7	30	10,034	227.5	97	2.2
Maine	1,316,456	3,952	300.2	7	3,392	257.7	560	42.5
Maryland	5,633,597	20,452	363.0	2	19,872	352.7	580	10.3
Massachusetts	6,497,967	26,346	405.4	1	25,788	396.9	558	8.6
Michigan	10,003,422	25,869	258.6	15	21,035	210.3	4,834	48.3
Minnesota	5,220,393	13,784	264.0	13	13,370	256.1	414	7.9
Mississippi	2,938,618	5,120	174.2	50	4,824	164.2	296	10.1
Missouri	5,911,605	14,227	240.7	25	12,425	210.2	1,802	30.5
Montana	967,440	2,213	228.7	31	2,082	215.2	131	13.5
Nebraska	1,783,432	3,834	215.0	34	3,686	206.7	148	8.3
Nevada	2,600,167	5,069	194.9	45	4,607	177.2	462	17.8
New Hampshire	1,315,809	3,718	282.6	11	3,480	264.5	238	18.1
New Jersey	8,682,661	25,463	293.3	10	22,932	264.1	2,531	29.2
New Mexico	1,984,356	4,516	227.6	32	4,283	215.8	233	11.7
New York	19,490,297	67,545	346.6	3	64,697	331.9	2,848	14.6
North Carolina	9,222,414	21,251	230.4	29	20,580	223.2	671	7.3
North Dakota	641,481	1,488	232.0	28	1,433	223.4	55	8.6
Ohio	11,485,910	29,645	258.1	17	26,119	227.4	3,526	30.7
Oklahoma	3,642,361	7,152	196.4	44	5,641	154.9	1,511	41.5
Oregon	3,790,060	10,156	268.0	12	9,604	253.4	552	14.6
Pennsylvania	12,448,279	36,838	295.9	9	31,767	255.2	5,071	40.7
Rhode Island	1,050,788	3,424	325.9	5	3,226	307.0	198	18.8
South Carolina	4,479,800	9,562	213.4	37	9,183	205.0	379	8.5
South Dakota	804,194	1,743	216.7	33	1,646	204.7	97	12.1
Tennessee	6,214,888	14,728	237.0	27	14,214	228.7	514	8.3
Texas	24,326,974	48,782	200.5	42	45,637	187.6	3,145	12.9
Utah	2,736,424	5,259	192.2	47	5,003	182.8	256	9.4
Vermont	621,270	1,987	319.8	6	1,932	311.0	55	8.9
Virginia	7,769,089	19,392	249.6	22	18,650	240.1	742	9.6
Washington	6,549,224	16,921	258.4	16	16,152	246.6	769	11.7
West Virginia	1,814,468	4,328	238.5	26	3,717	204.9	611	33.7
Wisconsin	5,627,967	13,742	244.2	23	13,020	231.3	722	12.8
Wyoming	532,668	1,029	193.2	46	955	179.3	74	13.9

Sources: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physician data are from the 2009 AMA Physician Masterfile (December 31, 2008).

N.R. = Not Ranked

Figure 2. Active Patient Care Physicians per 100,000 Population by Degree Type, 2008



Sources: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physician data are from the AMA Physician Masterfile (December 31, 2008).

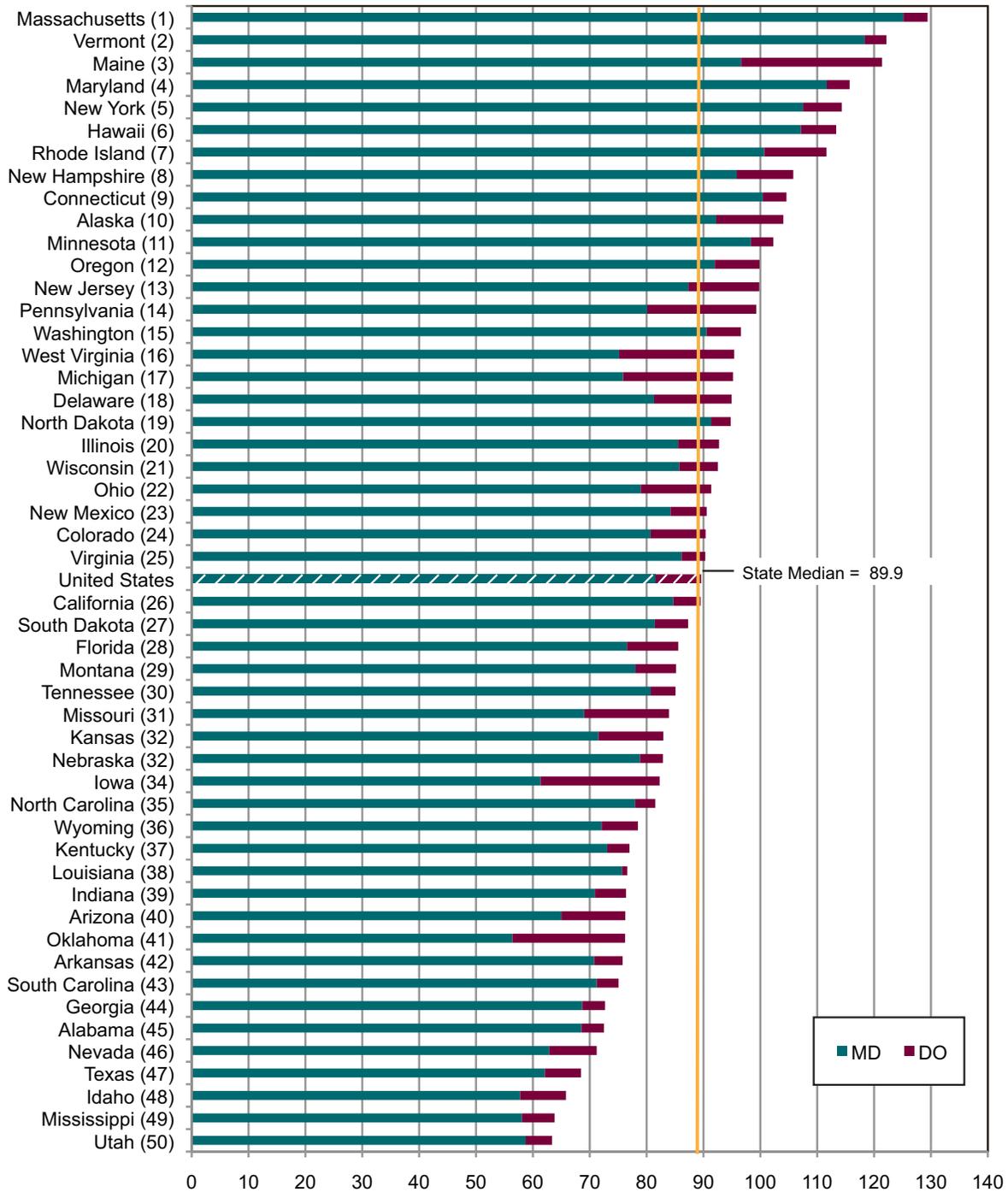
Table 2. Active Patient Care Physicians per 100,000 Population by Degree Type, 2008

	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	304,059,724	667,827	219.6	N.R.	622,020	204.6	45,807	15.1
Alabama	4,661,900	8,335	178.8	44	8,012	171.9	323	6.9
Alaska	686,293	1,536	223.8	18	1,401	204.1	135	19.7
Arizona	6,500,180	12,361	190.2	37	10,951	168.5	1,410	21.7
Arkansas	2,855,390	4,896	171.5	47	4,673	163.7	223	7.8
California	36,756,666	80,076	217.9	23	77,208	210.1	2,868	7.8
Colorado	4,939,456	11,220	227.2	15	10,319	208.9	901	18.2
Connecticut	3,501,252	9,615	274.6	4	9,315	266.0	300	8.6
Delaware	873,092	2,039	233.5	13	1,817	208.1	222	25.4
District of Columbia	591,833	3,794	641.1	N.R.	3,724	629.2	70	11.8
Florida	18,328,340	41,515	226.5	17	38,103	207.9	3,412	18.6
Georgia	9,685,744	17,497	180.6	41	16,802	173.5	695	7.2
Hawaii	1,288,198	3,443	267.3	8	3,284	254.9	159	12.3
Idaho	1,523,816	2,613	171.5	47	2,378	156.1	235	15.4
Illinois	12,901,563	27,655	214.4	25	25,947	201.1	1,708	13.2
Indiana	6,376,792	12,296	192.8	35	11,563	181.3	733	11.5
Iowa	3,002,555	5,391	179.5	42	4,407	146.8	984	32.8
Kansas	2,802,134	5,284	188.6	39	4,764	170.0	520	18.6
Kentucky	4,269,245	8,136	190.6	36	7,817	183.1	319	7.5
Louisiana	4,410,796	8,923	202.3	30	8,841	200.4	82	1.9
Maine	1,316,456	3,529	268.1	7	3,021	229.5	508	38.6
Maryland	5,633,597	16,064	285.1	2	15,588	276.7	476	8.4
Massachusetts	6,497,967	20,547	316.2	1	20,088	309.1	459	7.1
Michigan	10,003,422	22,171	221.6	19	17,932	179.3	4,239	42.4
Minnesota	5,220,393	11,961	229.1	14	11,576	221.7	385	7.4
Mississippi	2,938,618	4,677	159.2	50	4,405	149.9	272	9.3
Missouri	5,911,605	12,306	208.2	29	10,659	180.3	1,647	27.9
Montana	967,440	2,096	216.7	24	1,971	203.7	125	12.9
Nebraska	1,783,432	3,388	190.0	38	3,254	182.5	134	7.5
Nevada	2,600,167	4,652	178.9	43	4,230	162.7	422	16.2
New Hampshire	1,315,809	3,312	251.7	10	3,093	235.1	219	16.6
New Jersey	8,682,661	22,118	254.7	9	19,862	228.8	2,256	26.0
New Mexico	1,984,356	3,908	196.9	33	3,691	186.0	217	10.9
New York	19,490,297	54,895	281.7	3	52,510	269.4	2,385	12.2
North Carolina	9,222,414	18,534	201.0	31	17,933	194.5	601	6.5
North Dakota	641,481	1,364	212.6	26	1,313	204.7	51	8.0
Ohio	11,485,910	25,201	219.4	21	22,191	193.2	3,010	26.2
Oklahoma	3,642,361	6,436	176.7	45	5,094	139.9	1,342	36.8
Oregon	3,790,060	8,985	237.1	12	8,476	223.6	509	13.4
Pennsylvania	12,448,279	30,870	248.0	11	26,412	212.2	4,458	35.8
Rhode Island	1,050,788	2,875	273.6	5	2,703	257.2	172	16.4
South Carolina	4,479,800	8,689	194.0	34	8,342	186.2	347	7.7
South Dakota	804,194	1,615	200.8	32	1,535	190.9	80	9.9
Tennessee	6,214,888	13,097	210.7	27	12,631	203.2	466	7.5
Texas	24,326,974	42,649	175.3	46	39,825	163.7	2,824	11.6
Utah	2,736,424	4,565	166.8	49	4,327	158.1	238	8.7
Vermont	621,270	1,686	271.4	6	1,636	263.3	50	8.0
Virginia	7,769,089	17,017	219.0	22	16,381	210.8	636	8.2
Washington	6,549,224	14,852	226.8	16	14,153	216.1	699	10.7
West Virginia	1,814,468	3,803	209.6	28	3,252	179.2	551	30.4
Wisconsin	5,627,967	12,376	219.9	20	11,709	208.1	667	11.9
Wyoming	532,668	964	181.0	40	901	169.1	63	11.8

Sources: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physician data are from the AMA Physician Masterfile (December 31, 2008).

N.R. = Not Ranked

Figure 3. Active Primary Care Physicians per 100,000 Population by Degree Type, 2008



Sources: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physician data are from the AMA Physician Masterfile (December 31, 2008).

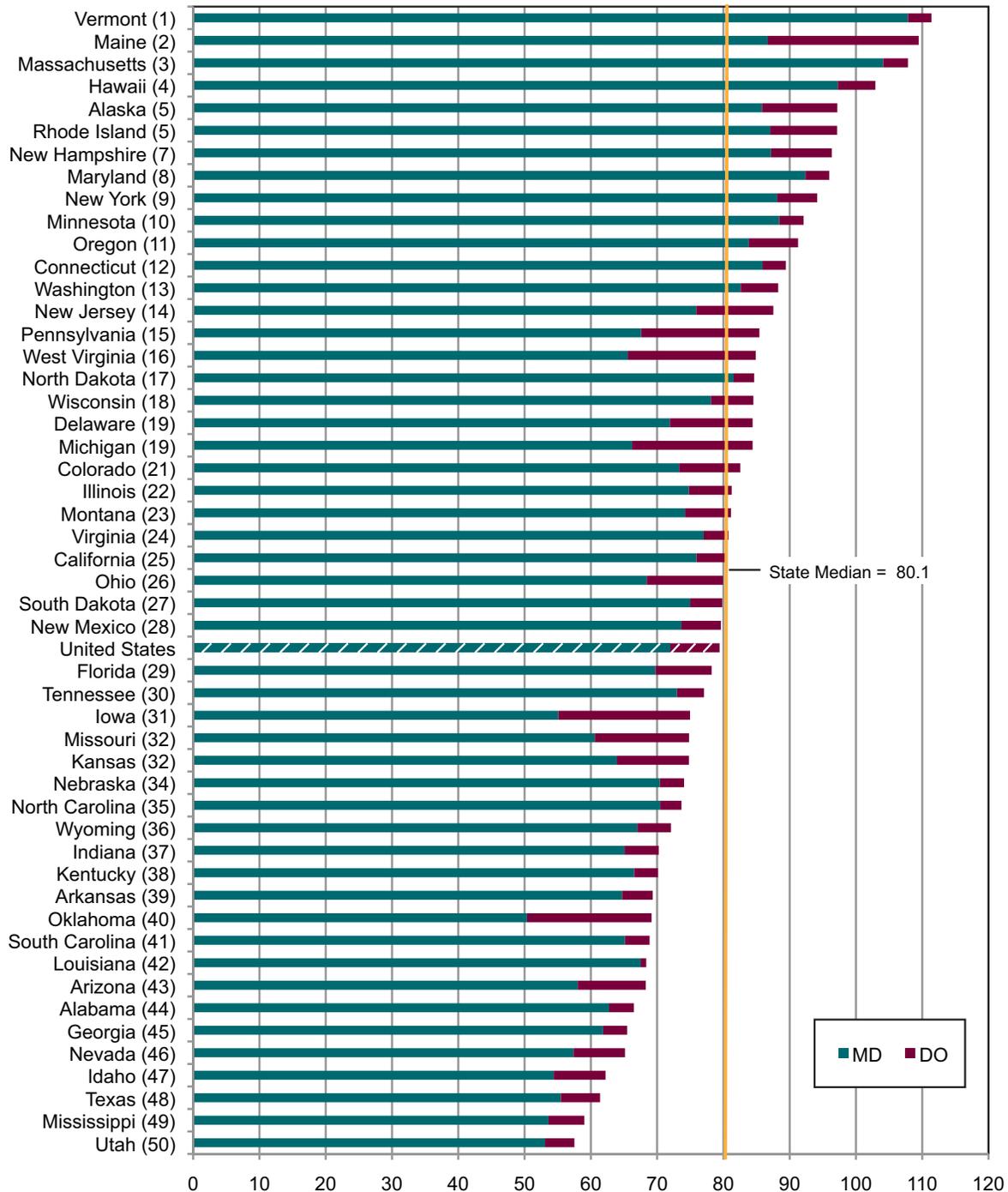
Table 3. Active Primary Care Physicians per 100,000 Population by Degree Type, 2008

	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	304,059,724	272,435	89.6	N.R.	248,037	81.6	24,398	8.0
Alabama	4,661,900	3,380	72.5	45	3,195	68.5	185	4.0
Alaska	686,293	714	104.0	10	633	92.2	81	11.8
Arizona	6,500,180	4,957	76.3	40	4,227	65.0	730	11.2
Arkansas	2,855,390	2,164	75.8	42	2,021	70.8	143	5.0
California	36,756,666	32,894	89.5	26	31,125	84.7	1,769	4.8
Colorado	4,939,456	4,464	90.4	24	3,986	80.7	478	9.7
Connecticut	3,501,252	3,662	104.6	9	3,517	100.4	145	4.1
Delaware	873,092	829	94.9	18	710	81.3	119	13.6
District of Columbia	591,833	1,457	246.2	N.R.	1,418	239.6	39	6.6
Florida	18,328,340	15,683	85.6	28	14,033	76.6	1,650	9.0
Georgia	9,685,744	7,041	72.7	44	6,652	68.7	389	4.0
Hawaii	1,288,198	1,460	113.3	6	1,380	107.1	80	6.2
Idaho	1,523,816	1,003	65.8	48	880	57.7	123	8.1
Illinois	12,901,563	11,965	92.7	20	11,035	85.5	930	7.2
Indiana	6,376,792	4,871	76.4	39	4,520	70.9	351	5.5
Iowa	3,002,555	2,471	82.3	34	1,842	61.3	629	20.9
Kansas	2,802,134	2,324	82.9	32	2,004	71.5	320	11.4
Kentucky	4,269,245	3,287	77.0	37	3,120	73.1	167	3.9
Louisiana	4,410,796	3,379	76.6	38	3,338	75.7	41	0.9
Maine	1,316,456	1,598	121.4	3	1,272	96.6	326	24.8
Maryland	5,633,597	6,518	115.7	4	6,292	111.7	226	4.0
Massachusetts	6,497,967	8,409	129.4	1	8,134	125.2	275	4.2
Michigan	10,003,422	9,522	95.2	17	7,589	75.9	1,933	19.3
Minnesota	5,220,393	5,340	102.3	11	5,134	98.3	206	3.9
Mississippi	2,938,618	1,875	63.8	49	1,707	58.1	168	5.7
Missouri	5,911,605	4,962	83.9	31	4,080	69.0	882	14.9
Montana	967,440	824	85.2	29	755	78.0	69	7.1
Nebraska	1,783,432	1,478	82.9	32	1,406	78.8	72	4.0
Nevada	2,600,167	1,852	71.2	46	1,635	62.9	217	8.3
New Hampshire	1,315,809	1,392	105.8	8	1,261	95.8	131	10.0
New Jersey	8,682,661	8,667	99.8	13	7,583	87.3	1,084	12.5
New Mexico	1,984,356	1,797	90.6	23	1,671	84.2	126	6.3
New York	19,490,297	22,281	114.3	5	20,955	107.5	1,326	6.8
North Carolina	9,222,414	7,519	81.5	35	7,193	78.0	326	3.5
North Dakota	641,481	608	94.8	19	586	91.4	22	3.4
Ohio	11,485,910	10,495	91.4	22	9,071	79.0	1,424	12.4
Oklahoma	3,642,361	2,776	76.2	41	2,054	56.4	722	19.8
Oregon	3,790,060	3,785	99.9	12	3,486	92.0	299	7.9
Pennsylvania	12,448,279	12,360	99.3	14	9,972	80.1	2,388	19.2
Rhode Island	1,050,788	1,173	111.6	7	1,058	100.7	115	10.9
South Carolina	4,479,800	3,363	75.1	43	3,191	71.2	172	3.8
South Dakota	804,194	702	87.3	27	655	81.4	47	5.8
Tennessee	6,214,888	5,288	85.1	30	5,017	80.7	271	4.4
Texas	24,326,974	16,655	68.5	47	15,105	62.1	1,550	6.4
Utah	2,736,424	1,734	63.4	50	1,607	58.7	127	4.6
Vermont	621,270	759	122.2	2	735	118.3	24	3.9
Virginia	7,769,089	7,017	90.3	25	6,694	86.2	323	4.2
Washington	6,549,224	6,325	96.6	15	5,930	90.5	395	6.0
West Virginia	1,814,468	1,731	95.4	16	1,364	75.2	367	20.2
Wisconsin	5,627,967	5,207	92.5	21	4,825	85.7	382	6.8
Wyoming	532,668	418	78.5	36	384	72.1	34	6.4

Sources: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physician data are from the AMA Physician Masterfile (December 31, 2008).

N.R. = Not Ranked

Figure 4. Active Patient Care Primary Care Physicians per 100,000 Population by Degree Type, 2008



Sources: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physician data are from the AMA Physician Masterfile (December 31, 2008).

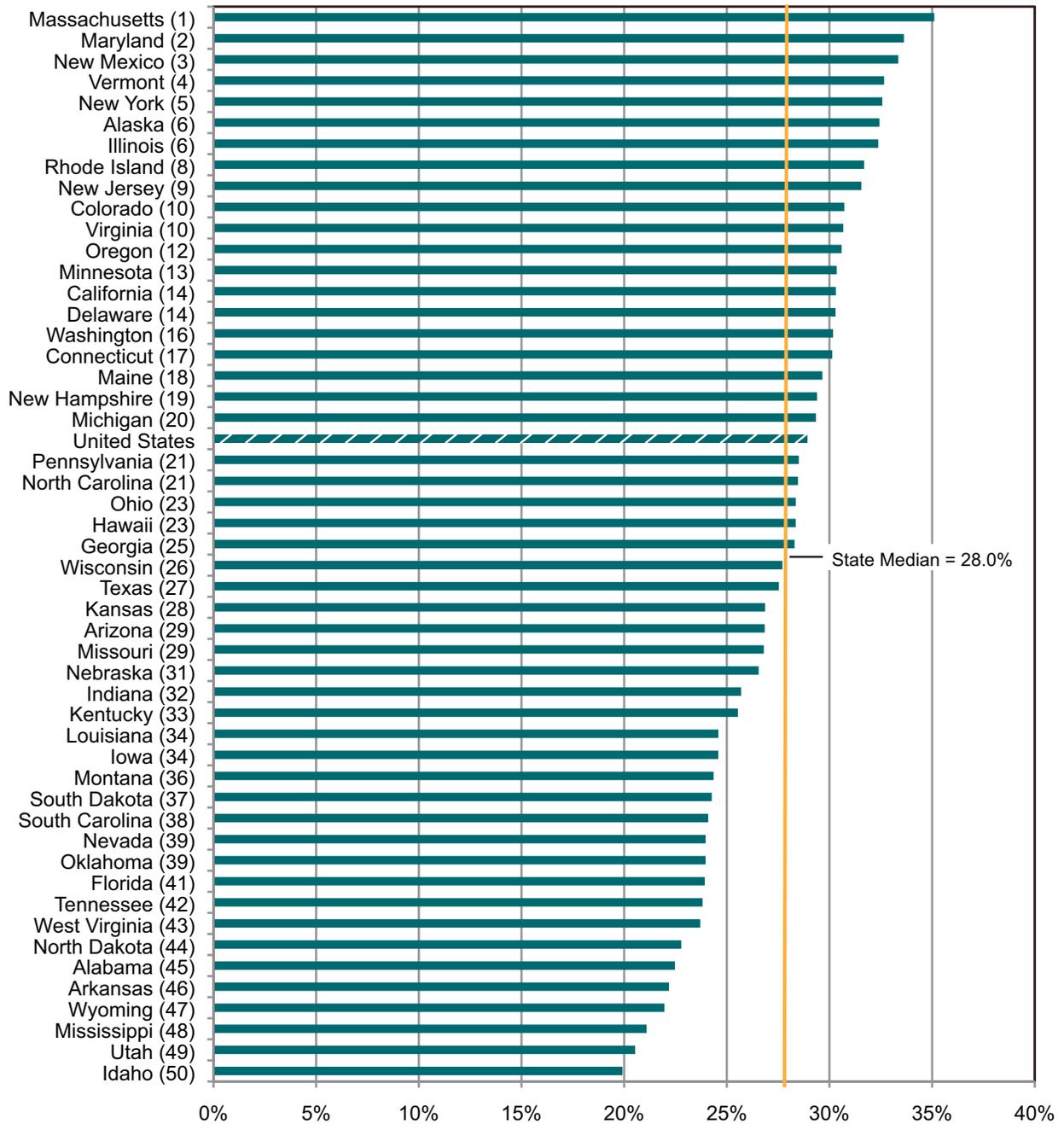
Table 4. Active Patient Care Primary Care Physicians 100,000 Population by Degree Type, 2008

	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	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	304,059,724	241,494	79.4	N.R.	218,895	72.0	22,599	7.4
Alabama	4,661,900	3,100	66.5	44	2,925	62.7	175	3.8
Alaska	686,293	667	97.2	5	589	85.8	78	11.4
Arizona	6,500,180	4,439	68.3	43	3,771	58.0	668	10.3
Arkansas	2,855,390	1,980	69.3	39	1,848	64.7	132	4.6
California	36,756,666	29,501	80.3	25	27,913	75.9	1,588	4.3
Colorado	4,939,456	4,077	82.5	21	3,622	73.3	455	9.2
Connecticut	3,501,252	3,131	89.4	12	3,008	85.9	123	3.5
Delaware	873,092	737	84.4	19	628	71.9	109	12.5
District of Columbia	591,833	1,114	188.2	N.R.	1,090	184.2	24	4.1
Florida	18,328,340	14,338	78.2	29	12,784	69.7	1,554	8.5
Georgia	9,685,744	6,343	65.5	45	5,988	61.8	355	3.7
Hawaii	1,288,198	1,326	102.9	4	1,253	97.3	73	5.7
Idaho	1,523,816	948	62.2	47	829	54.4	119	7.8
Illinois	12,901,563	10,482	81.2	22	9,649	74.8	833	6.5
Indiana	6,376,792	4,480	70.3	37	4,150	65.1	330	5.2
Iowa	3,002,555	2,251	75.0	31	1,654	55.1	597	19.9
Kansas	2,802,134	2,096	74.8	32	1,791	63.9	305	10.9
Kentucky	4,269,245	2,994	70.1	38	2,841	66.5	153	3.6
Louisiana	4,410,796	3,015	68.4	42	2,978	67.5	37	0.8
Maine	1,316,456	1,441	109.5	2	1,141	86.7	300	22.8
Maryland	5,633,597	5,407	96.0	8	5,204	92.4	203	3.6
Massachusetts	6,497,967	7,008	107.8	3	6,765	104.1	243	3.7
Michigan	10,003,422	8,444	84.4	19	6,625	66.2	1,819	18.2
Minnesota	5,220,393	4,808	92.1	10	4,616	88.4	192	3.7
Mississippi	2,938,618	1,734	59.0	49	1,575	53.6	159	5.4
Missouri	5,911,605	4,423	74.8	32	3,582	60.6	841	14.2
Montana	967,440	785	81.1	23	718	74.2	67	6.9
Nebraska	1,783,432	1,321	74.1	34	1,256	70.4	65	3.6
Nevada	2,600,167	1,694	65.1	46	1,492	57.4	202	7.8
New Hampshire	1,315,809	1,268	96.4	7	1,147	87.2	121	9.2
New Jersey	8,682,661	7,600	87.5	14	6,591	75.9	1,009	11.6
New Mexico	1,984,356	1,580	79.6	28	1,462	73.7	118	5.9
New York	19,490,297	18,351	94.2	9	17,174	88.1	1,177	6.0
North Carolina	9,222,414	6,794	73.7	35	6,500	70.5	294	3.2
North Dakota	641,481	543	84.6	17	523	81.5	20	3.1
Ohio	11,485,910	9,184	80.0	26	7,861	68.4	1,323	11.5
Oklahoma	3,642,361	2,519	69.2	40	1,835	50.4	684	18.8
Oregon	3,790,060	3,459	91.3	11	3,177	83.8	282	7.4
Pennsylvania	12,448,279	10,635	85.4	15	8,414	67.6	2,221	17.8
Rhode Island	1,050,788	1,021	97.2	5	915	87.1	106	10.1
South Carolina	4,479,800	3,085	68.9	41	2,918	65.1	167	3.7
South Dakota	804,194	642	79.8	27	603	75.0	39	4.8
Tennessee	6,214,888	4,790	77.1	30	4,537	73.0	253	4.1
Texas	24,326,974	14,935	61.4	48	13,493	55.5	1,442	5.9
Utah	2,736,424	1,574	57.5	50	1,453	53.1	121	4.4
Vermont	621,270	692	111.4	1	670	107.8	22	3.5
Virginia	7,769,089	6,276	80.8	24	5,984	77.0	292	3.8
Washington	6,549,224	5,781	88.3	13	5,410	82.6	371	5.7
West Virginia	1,814,468	1,540	84.9	16	1,190	65.6	350	19.3
Wisconsin	5,627,967	4,757	84.5	18	4,396	78.1	361	6.4
Wyoming	532,668	384	72.1	36	357	67.0	27	5.1

Sources: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physician data are from the AMA Physician Masterfile (December 31, 2008).

N.R. = Not Ranked

Figure 5. Percentage of Active Physicians Who Are Female, 2008



Source: AMA Physician Masterfile (December 31, 2008)

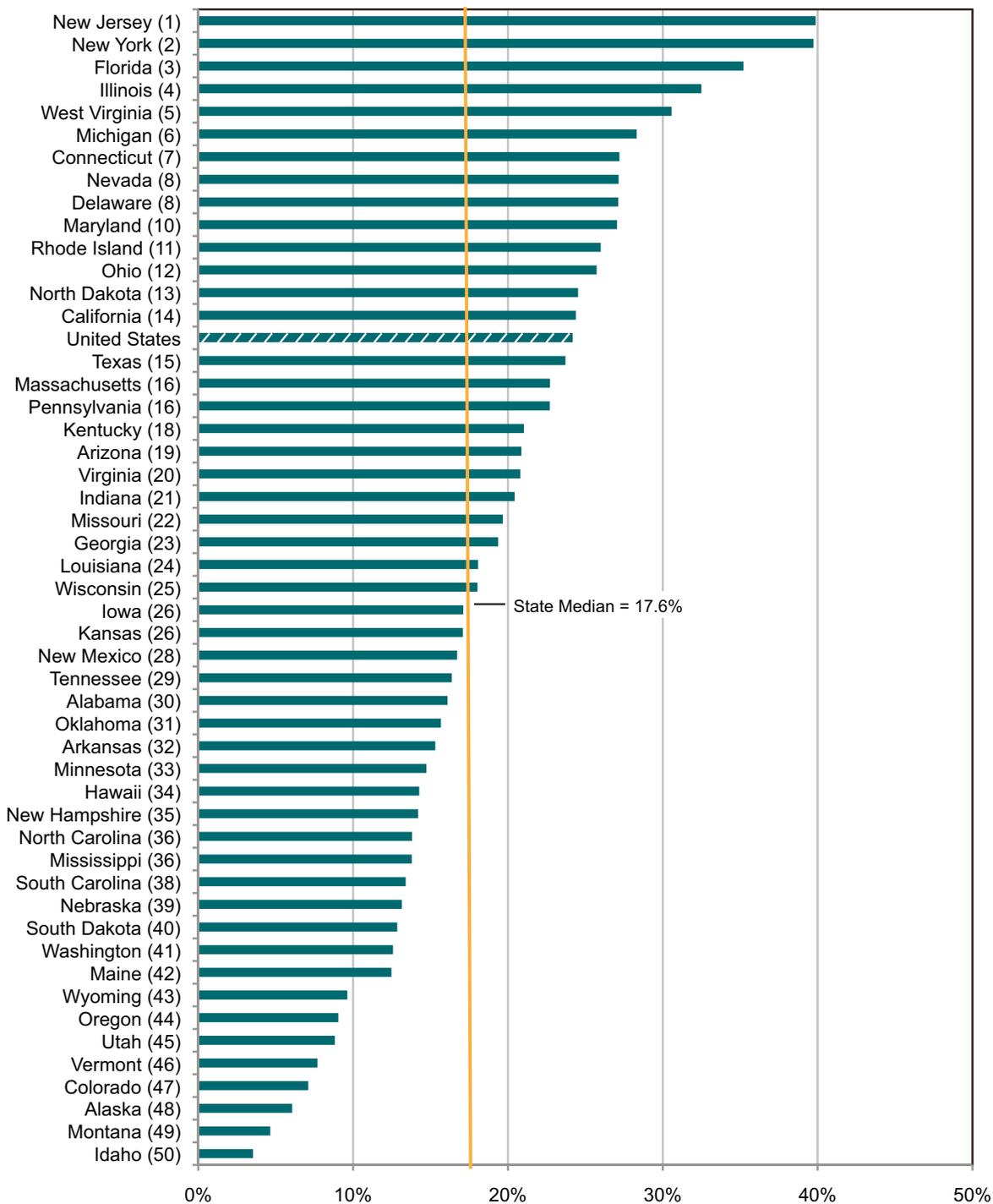
Table 5. Active Female Physicians, 2008

	Total Active Physicians	Active Female Physicians		
		Number	Percent	Rank
United States	773,809	223,852	28.9%	N.R.
Alabama	9,274	2,084	22.5%	45
Alaska	1,665	540	32.4%	6
Arizona	13,909	3,734	26.8%	29
Arkansas	5,396	1,197	22.2%	46
California	92,563	28,059	30.3%	14
Colorado	12,609	3,874	30.7%	10
Connecticut	11,478	3,459	30.1%	17
Delaware	2,304	698	30.3%	14
District of Columbia	5,136	1,907	37.1%	N.R.
Florida	46,201	11,055	23.9%	41
Georgia	19,807	5,605	28.3%	25
Hawaii	3,847	1,091	28.4%	23
Idaho	2,771	552	19.9%	50
Illinois	32,484	10,517	32.4%	6
Indiana	13,513	3,472	25.7%	32
Iowa	6,134	1,508	24.6%	34
Kansas	5,903	1,586	26.9%	28
Kentucky	9,149	2,337	25.5%	33
Louisiana	10,131	2,491	24.6%	34
Maine	3,952	1,172	29.7%	18
Maryland	20,452	6,877	33.6%	2
Massachusetts	26,346	9,249	35.1%	1
Michigan	25,869	7,590	29.3%	20
Minnesota	13,784	4,184	30.4%	13
Mississippi	5,120	1,080	21.1%	48
Missouri	14,227	3,813	26.8%	29
Montana	2,213	539	24.4%	36
Nebraska	3,834	1,018	26.6%	31
Nevada	5,069	1,215	24.0%	39
New Hampshire	3,718	1,093	29.4%	19
New Jersey	25,463	8,034	31.6%	9
New Mexico	4,516	1,506	33.3%	3
New York	67,545	22,002	32.6%	5
North Carolina	21,251	6,049	28.5%	21
North Dakota	1,488	339	22.8%	44
Ohio	29,645	8,408	28.4%	23
Oklahoma	7,152	1,714	24.0%	39
Oregon	10,156	3,107	30.6%	12
Pennsylvania	36,838	10,501	28.5%	21
Rhode Island	3,424	1,085	31.7%	8
South Carolina	9,562	2,304	24.1%	38
South Dakota	1,743	423	24.3%	37
Tennessee	14,728	3,508	23.8%	42
Texas	48,782	13,433	27.5%	27
Utah	5,259	1,080	20.5%	49
Vermont	1,987	649	32.7%	4
Virginia	19,392	5,948	30.7%	10
Washington	16,921	5,106	30.2%	16
West Virginia	4,328	1,026	23.7%	43
Wisconsin	13,742	3,808	27.7%	26
Wyoming	1,029	226	22.0%	47

Source: AMA Physician Masterfile (December 31, 2008)

N.R. = Not Ranked

Figure 6. Percentage of Active Physicians Who Are International Medical Graduates (IMGs), 2008



Source: AMA Physician Masterfile (December 31, 2008)

Table 6. Active Physicians by Medical School Type, 2008

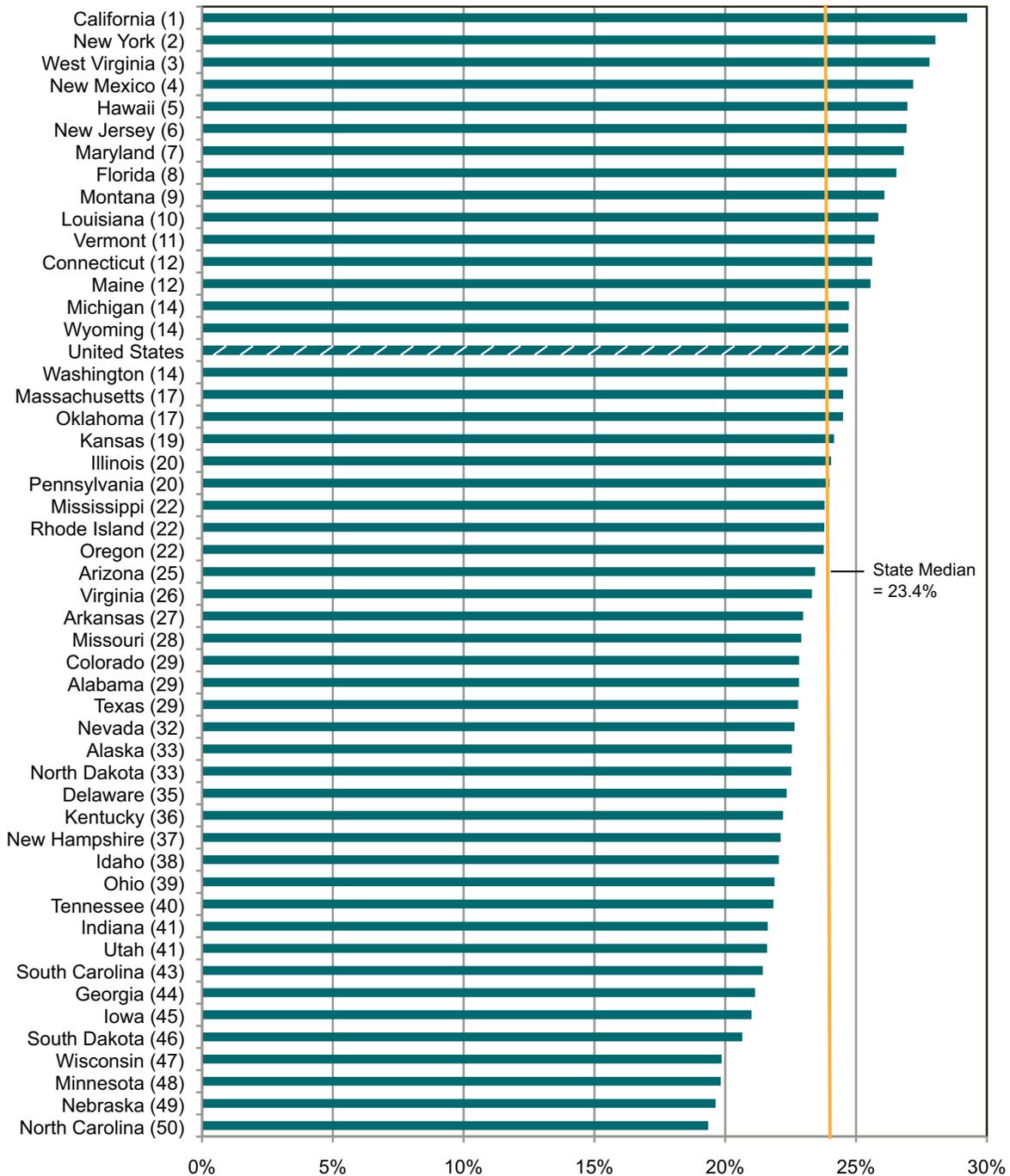
	Total Active Physicians*	U.S.M.D.		D.O.		IMG		Rank
	Number	Number	Percent	Number	Percent	Number	Percent	
United States	773,809	525,112	67.9%	51,678	6.7%	187,082	24.2%	N.R.
Alabama	9,274	7,316	78.9%	353	3.8%	1,493	16.1%	30
Alaska	1,665	1,405	84.4%	145	8.7%	101	6.1%	48
Arizona	13,909	9,170	65.9%	1,572	11.3%	2,902	20.9%	19
Arkansas	5,396	4,290	79.5%	243	4.5%	826	15.3%	32
California	92,563	65,174	70.4%	3,310	3.6%	22,571	24.4%	14
Colorado	12,609	10,606	84.1%	959	7.6%	896	7.1%	47
Connecticut	11,478	7,860	68.5%	353	3.1%	3,122	27.2%	7
Delaware	2,304	1,410	61.2%	250	10.9%	625	27.1%	8
District of Columbia	5,136	3,822	74.4%	101	2.0%	1,161	22.6%	N.R.
Florida	46,201	25,695	55.6%	3,768	8.2%	16,269	35.2%	3
Georgia	19,807	15,007	75.8%	783	4.0%	3,836	19.4%	23
Hawaii	3,847	3,052	79.3%	176	4.6%	549	14.3%	34
Idaho	2,771	2,377	85.8%	250	9.0%	98	3.5%	50
Illinois	32,484	19,648	60.5%	1,986	6.1%	10,554	32.5%	4
Indiana	13,513	9,823	72.7%	781	5.8%	2,761	20.4%	21
Iowa	6,134	3,968	64.7%	1,041	17.0%	1,050	17.1%	26
Kansas	5,903	4,279	72.5%	558	9.5%	1,009	17.1%	26
Kentucky	9,149	6,718	73.4%	391	4.3%	1,924	21.0%	18
Louisiana	10,131	8,121	80.2%	98	1.0%	1,831	18.1%	24
Maine	3,952	2,788	70.5%	560	14.2%	493	12.5%	42
Maryland	20,452	14,127	69.1%	580	2.8%	5,531	27.0%	10
Massachusetts	26,346	19,082	72.4%	560	2.1%	5,984	22.7%	16
Michigan	25,869	13,427	51.9%	4,833	18.7%	7,325	28.3%	6
Minnesota	13,784	10,972	79.6%	414	3.0%	2,031	14.7%	33
Mississippi	5,120	4,079	79.7%	296	5.8%	706	13.8%	36
Missouri	14,227	9,533	67.0%	1,803	12.7%	2,798	19.7%	22
Montana	2,213	1,961	88.6%	131	5.9%	103	4.7%	49
Nebraska	3,834	3,140	81.9%	148	3.9%	504	13.1%	39
Nevada	5,069	3,174	62.6%	462	9.1%	1,376	27.1%	8
New Hampshire	3,718	2,822	75.9%	239	6.4%	528	14.2%	35
New Jersey	25,463	12,656	49.7%	2,530	9.9%	10,152	39.9%	1
New Mexico	4,516	3,482	77.1%	233	5.2%	755	16.7%	28
New York	67,545	37,026	54.8%	2,838	4.2%	26,838	39.7%	2
North Carolina	21,251	17,428	82.0%	670	3.2%	2,934	13.8%	36
North Dakota	1,488	989	66.5%	54	3.6%	365	24.5%	13
Ohio	29,645	18,152	61.2%	3,524	11.9%	7,627	25.7%	12
Oklahoma	7,152	4,473	62.5%	1,509	21.1%	1,121	15.7%	31
Oregon	10,156	8,482	83.5%	555	5.5%	919	9.0%	44
Pennsylvania	36,838	23,090	62.7%	5,065	13.7%	8,361	22.7%	16
Rhode Island	3,424	2,276	66.5%	199	5.8%	890	26.0%	11
South Carolina	9,562	7,854	82.1%	379	4.0%	1,281	13.4%	38
South Dakota	1,743	1,411	81.0%	97	5.6%	224	12.9%	40
Tennessee	14,728	11,638	79.0%	512	3.5%	2,412	16.4%	29
Texas	48,782	33,481	68.6%	3,138	6.4%	11,568	23.7%	15
Utah	5,259	4,468	85.0%	257	4.9%	464	8.8%	45
Vermont	1,987	1,694	85.3%	55	2.8%	153	7.7%	46
Virginia	19,392	14,434	74.4%	743	3.8%	4,033	20.8%	20
Washington	16,921	13,603	80.4%	769	4.5%	2,128	12.6%	41
West Virginia	4,328	2,363	54.6%	610	14.1%	1,323	30.6%	5
Wisconsin	13,742	10,417	75.8%	723	5.3%	2,478	18.0%	25
Wyoming	1,029	849	82.5%	74	7.2%	99	9.6%	43

Source: AMA Physician Masterfile (December 31, 2008)

N.R. = Not Ranked

* The total includes 9,937 physicians who are graduates of Canadian medical schools.

Figure 7. Percentage of Active Physicians Who Are Age 60 or Older,* 2008



Source: AMA Physician Masterfile (December 31, 2008)

* Physicians whose age was unknown (n = 1,122) are excluded.

Table 7. Active Physicians by Selected Age Groups, 2008

	Total Active Physicians*		Under Age 40		Age 60 or Older		
	Number		Number	Percent	Number	Percent	Rank
United States	772,687		139,269	18.0%	190,775	24.7%	N.R.
Alabama	9,272		1,548	16.7%	2,116	22.8%	29
Alaska	1,663		270	16.2%	375	22.5%	33
Arizona	13,866		2,476	17.9%	3,250	23.4%	25
Arkansas	5,392		947	17.6%	1,239	23.0%	27
California	92,493		16,525	17.9%	27,051	29.2%	1
Colorado	12,605		2,286	18.1%	2,877	22.8%	29
Connecticut	11,470		1,881	16.4%	2,938	25.6%	12
Delaware	2,300		415	18.0%	514	22.3%	35
District of Columbia	5,136		1,029	20.0%	1,562	30.4%	N.R.
Florida	46,075		6,907	15.0%	12,230	26.5%	8
Georgia	19,803		3,649	18.4%	4,186	21.1%	44
Hawaii	3,846		599	15.6%	1,037	27.0%	5
Idaho	2,771		435	15.7%	611	22.0%	38
Illinois	32,424		6,689	20.6%	7,796	24.0%	20
Indiana	13,509		2,402	17.8%	2,921	21.6%	41
Iowa	6,128		1,155	18.8%	1,287	21.0%	45
Kansas	5,898		1,100	18.7%	1,425	24.2%	19
Kentucky	9,145		1,748	19.1%	2,031	22.2%	36
Louisiana	10,128		1,907	18.8%	2,618	25.8%	10
Maine	3,945		580	14.7%	1,008	25.6%	12
Maryland	20,432		3,571	17.5%	5,481	26.8%	7
Massachusetts	26,340		5,173	19.6%	6,455	24.5%	17
Michigan	25,545		4,699	18.4%	6,316	24.7%	14
Minnesota	13,781		2,626	19.1%	2,732	19.8%	48
Mississippi	5,118		887	17.3%	1,218	23.8%	22
Missouri	14,209		2,734	19.2%	3,255	22.9%	28
Montana	2,212		251	11.3%	577	26.1%	9
Nebraska	3,831		789	20.6%	752	19.6%	49
Nevada	5,064		909	18.0%	1,147	22.7%	32
New Hampshire	3,717		605	16.3%	822	22.1%	37
New Jersey	25,417		3,990	15.7%	6,846	26.9%	6
New Mexico	4,514		712	15.8%	1,227	27.2%	4
New York	67,491		11,642	17.2%	18,918	28.0%	2
North Carolina	21,242		4,259	20.0%	4,110	19.3%	50
North Dakota	1,487		253	17.0%	335	22.5%	33
Ohio	29,624		6,048	20.4%	6,482	21.9%	39
Oklahoma	7,142		1,242	17.4%	1,750	24.5%	17
Oregon	10,148		1,795	17.7%	2,412	23.8%	22
Pennsylvania	36,682		6,649	18.1%	8,800	24.0%	20
Rhode Island	3,422		637	18.6%	814	23.8%	22
South Carolina	9,559		1,843	19.3%	2,049	21.4%	43
South Dakota	1,743		312	17.9%	360	20.7%	46
Tennessee	14,720		2,477	16.8%	3,215	21.8%	40
Texas	48,763		9,670	19.8%	11,112	22.8%	29
Utah	5,259		1,024	19.5%	1,136	21.6%	41
Vermont	1,984		281	14.2%	510	25.7%	11
Virginia	19,371		3,558	18.4%	4,516	23.3%	26
Washington	16,913		2,779	16.4%	4,172	24.7%	14
West Virginia	4,323		749	17.3%	1,202	27.8%	3
Wisconsin	13,737		2,415	17.6%	2,728	19.9%	47
Wyoming	1,028		142	13.8%	254	24.7%	14

Source: AMA Physician Masterfile (December 31, 2008)

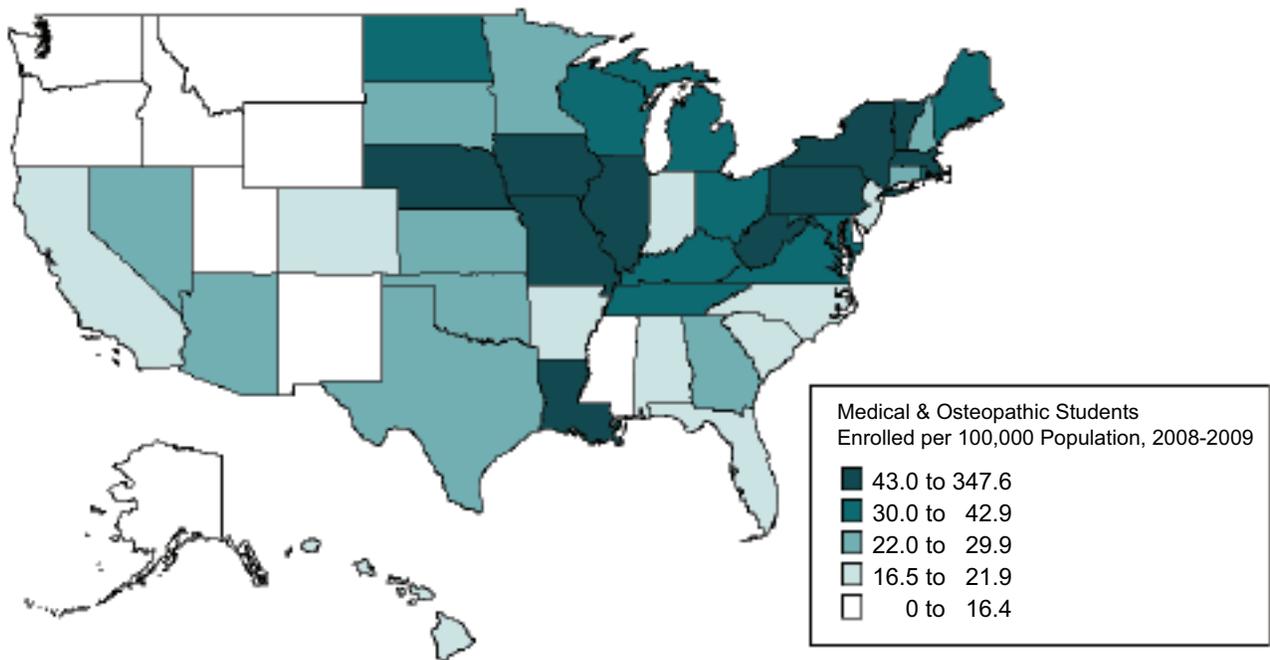
N.R. = Not Ranked

* Physicians whose age was unknown (n = 1,122) are excluded.

Key Findings – Medical and Osteopathic School Enrollment

- During the 2008-2009 academic year, there were 30.1 students per 100,000 population enrolled in medical and osteopathic schools⁴ in the US. The states with the highest student to population ratio were concentrated in the northeast and the Midwest (see Map 4, Figure 8, and Table 8).

Map 4. Medical and Osteopathic Students per 100,000 Population, 2008-2009 Academic Year

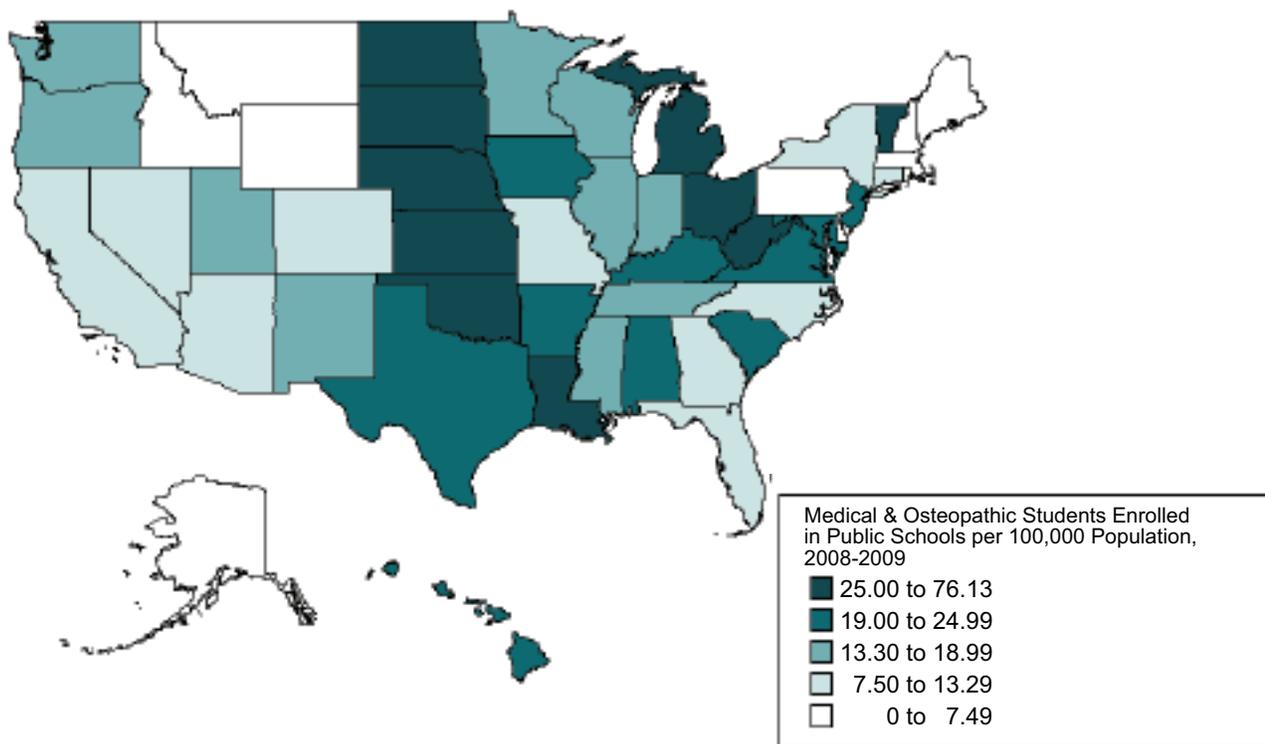


Source: Medical enrollment data are from the AAMC Data Warehouse STUDENT file. Osteopathic enrollment data are from *Osteopathic Medical College Information Book: 2010 Entering Class*. July 1, 2008 population estimates are from the U.S. Census Bureau.

- The ratio of students enrolled in public medical or osteopathic schools per 100,000 population varied widely across the states (where a public school exists) from a low of 4.9 in Pennsylvania to a high of 76.1 in Vermont (see Map 5, Figure 9, and Table 9). In the US overall, there were 15.9 students per 100,000 population enrolled in public medical and osteopathic schools.

⁴ Alaska, Delaware, Idaho, Montana, and Wyoming do not have medical or osteopathic schools.

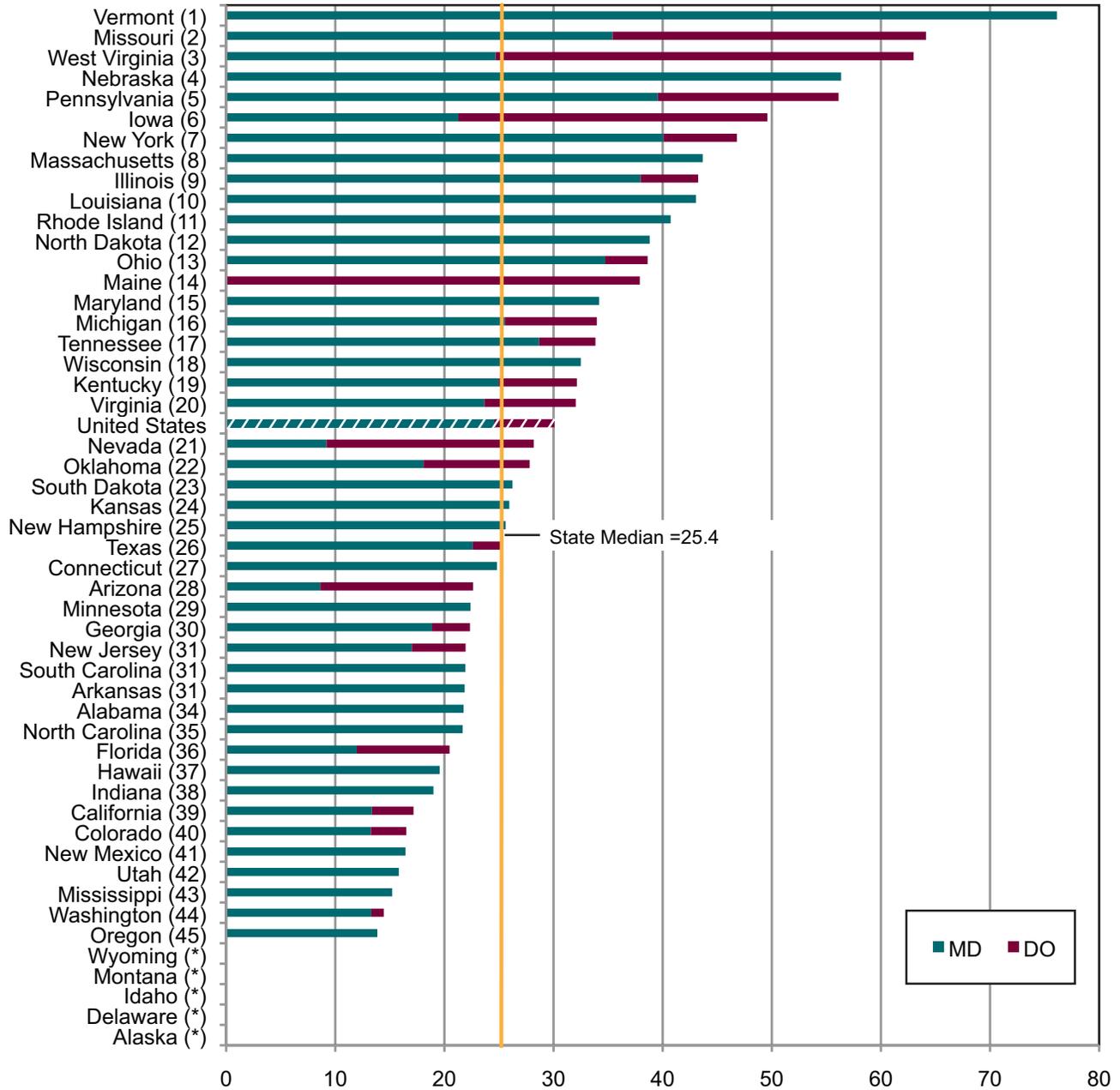
Map 5. Public Medical and Osteopathic Students per 100,000 Population, 2008-2009 Academic Year



Source: Medical enrollment data are from the AAMC Data Warehouse STUDENT file. Osteopathic enrollment data are from *Osteopathic Medical College Information Book: 2010 Entering Class*. July 1, 2008 population estimates are from the U.S. Census Bureau.

- Between the 1999-2000 and 2008-2009 academic years, the total number of students enrolled in medical or osteopathic schools increased by 16.2 percent in the US, driven equally by increases in medical school (6,420) and osteopathic school (6,316) enrollment. This represents a 9.4 percent increase in M.D. enrollment and a 60.8 percent increase in D.O. enrollment (see Figure 10 and Table 10).
- For the 2008-2009 academic year, 61.9 percent of first-year students in M.D. schools matriculated in their home state. South Carolina had the highest in-state matriculation rate—88.6 percent of the new medical students from South Carolina matriculated to a school in South Carolina. In contrast, New Hampshire had the lowest rate of states with a medical school (18.2 percent) (see Figure 11 and Table 11).

Figure 8. Students Enrolled in Medical or Osteopathic School for the 2008-2009 Academic Year Per 100,000 Population



Sources: Medical enrollment data are from the AAMC Data Warehouse STUDENT file as of December 9, 2008, accessed online at <http://www.aamc.org/data/facts/2008/schoolenrll0308.htm> (August 12, 2009). Osteopathic enrollment data are from *Osteopathic Medical College Information Book: 2010 Entering Class*, accessed online at <http://www.aacom.org/resources/bookstore/cib/Pages/default.aspx> (August 05, 2009). July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008).

* State does not have a medical or osteopathic school.

Table 8. Students Enrolled in Medical or Osteopathic Schools for the 2008-2009 Academic Year

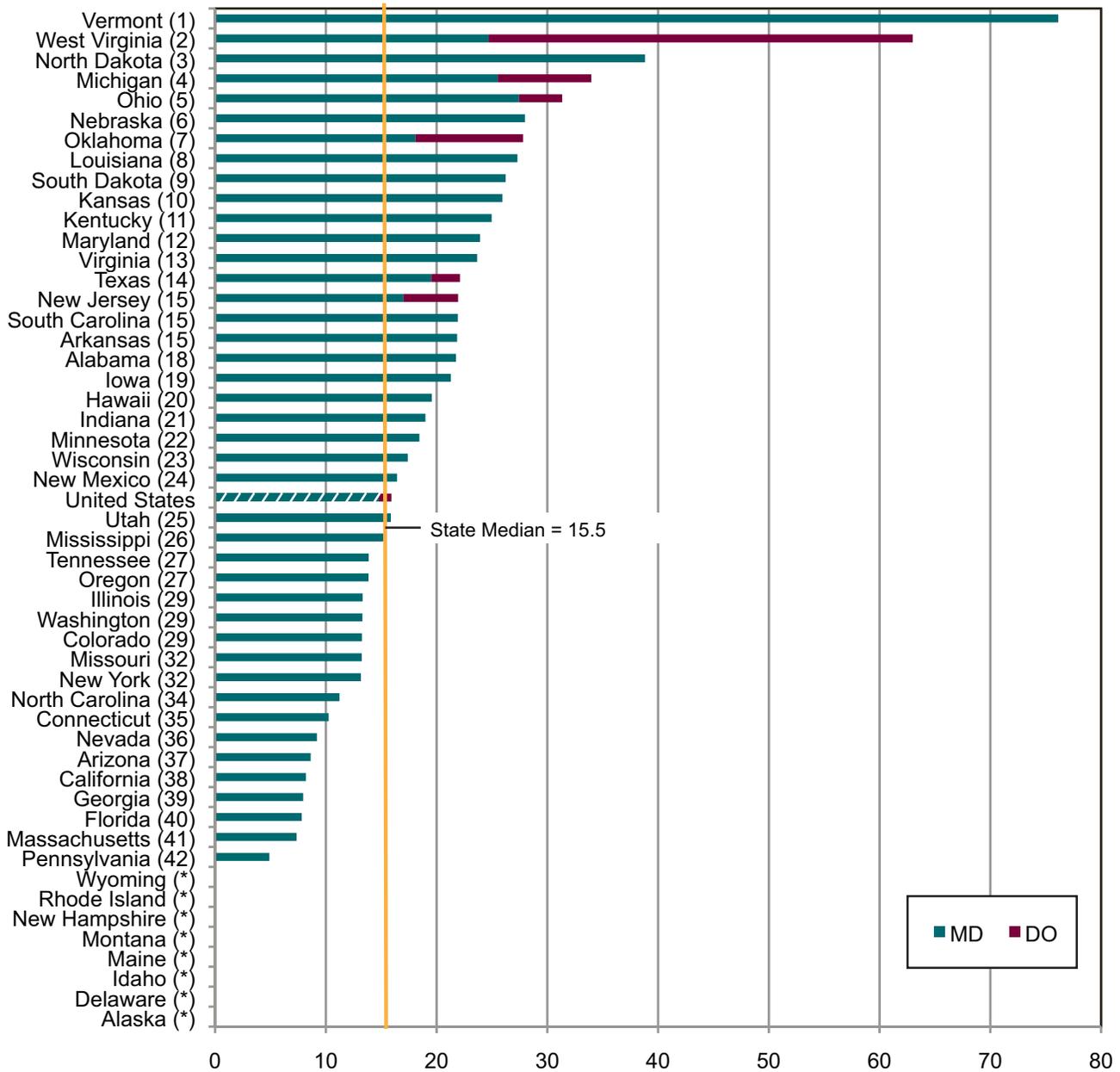
	Total Population	Total Students Enrolled in Medical or Osteopathic Schools			Students Enrolled in Medical Schools		Students Enrolled in Osteopathic Schools	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	304,059,724	91,474	30.1	N.R.	74,770	24.6	16,704	5.5
Alabama	4,661,900	1,014	21.8	34	1,014	21.8	---	---
Alaska	686,293	---	---	---	---	---	---	---
Arizona	6,500,180	1,471	22.6	28	561	8.6	910	14.0
Arkansas	2,855,390	624	21.9	31	624	21.9	---	---
California	36,756,666	6,311	17.2	39	4,913	13.4	1,398	4
Colorado	4,939,456	815	16.5	40	655	13.3	160	3.2
Connecticut	3,501,252	869	24.8	27	869	24.8	---	---
Delaware	873,092	---	---	---	---	---	---	---
District of Columbia	591,833	2,057	347.6	N.R.	2,057	347.6	---	---
Florida	18,328,340	3,752	20.5	36	2,195	12.0	1,557	8.5
Georgia	9,685,744	2,164	22.3	30	1,826	18.9	338	3.5
Hawaii	1,288,198	252	19.6	37	252	19.6	---	---
Idaho	1,523,816	---	---	---	---	---	---	---
Illinois	12,901,563	5,580	43.3	9	4,900	38.0	680	5.3
Indiana	6,376,792	1,211	19.0	38	1,211	19.0	---	---
Iowa	3,002,555	1,489	49.6	6	639	21.3	850	28.3
Kansas	2,802,134	727	25.9	24	727	25.9	---	---
Kentucky	4,269,245	1,372	32.1	19	1,066	25.0	306	7.2
Louisiana	4,410,796	1,899	43.1	10	1,899	43.1	---	---
Maine	1,316,456	499	37.9	14	---	---	499	37.9
Maryland	5,633,597	1,925	34.2	15	1,925	34.2	---	---
Massachusetts	6,497,967	2,838	43.7	8	2,838	43.7	---	---
Michigan	10,003,422	3,398	34.0	16	2,555	25.5	843	8.4
Minnesota	5,220,393	1,169	22.4	29	1,169	22.4	---	---
Mississippi	2,938,618	447	15.2	43	447	15.2	---	---
Missouri	5,911,605	3,791	64.1	2	2,093	35.4	1,698	28.7
Montana	967,440	---	---	---	---	---	---	---
Nebraska	1,783,432	1,005	56.4	4	1,005	56.4	---	---
Nevada	2,600,167	733	28.2	21	239	9.2	494	19
New Hampshire	1,315,809	337	25.6	25	337	25.6	---	---
New Jersey	8,682,661	1,905	21.9	31	1,477	17.0	428	4.9
New Mexico	1,984,356	326	16.4	41	326	16.4	---	---
New York	19,490,297	9,122	46.8	7	7,812	40.1	1,310	7
North Carolina	9,222,414	1,998	21.7	35	1,998	21.7	---	---
North Dakota	641,481	249	38.8	12	249	38.8	---	---
Ohio	11,485,910	4,436	38.6	13	3,989	34.7	447	3.9
Oklahoma	3,642,361	1,013	27.8	22	659	18.1	354	10
Oregon	3,790,060	525	13.9	45	525	13.9	---	---
Pennsylvania	12,448,279	6,986	56.1	5	4,925	39.6	2,061	16.6
Rhode Island	1,050,788	428	40.7	11	428	40.7	---	---
South Carolina	4,479,800	982	21.9	31	982	21.9	---	---
South Dakota	804,194	211	26.2	23	211	26.2	---	---
Tennessee	6,214,888	2,103	33.8	17	1,783	28.7	320	5.1
Texas	24,326,974	6,128	25.2	26	5,498	22.6	630	2.6
Utah	2,736,424	433	15.8	42	433	15.8	---	---
Vermont	621,270	473	76.1	1	473	76.1	---	---
Virginia	7,769,089	2,489	32.0	20	1,838	23.7	651	8.4
Washington	6,549,224	946	14.4	44	871	13.3	75	1.1
West Virginia	1,814,468	1,143	63.0	3	448	24.7	695	38
Wisconsin	5,627,967	1,829	32.5	18	1,829	32.5	---	---
Wyoming	532,668	---	---	---	---	---	---	---

Sources: Medical enrollment data are from the AAMC Data Warehouse STUDENT file as of December 9, 2008, accessed online at <http://www.aamc.org/data/facts/2008/schoolenrl0308.htm> (August 12, 2009). Osteopathic enrollment data are from *Osteopathic Medical College Information Book: 2010 Entering Class*, accessed online at <http://www.aacom.org/resources/bookstore/cib/Pages/default.aspx> (August 05, 2009). July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008).

N.R. = Not Ranked

--- Indicates that the data are not applicable. Some states do not have a medical or osteopathic school.

Figure 9. Students Enrolled in *Public* Medical or Osteopathic School for the 2008-2009 Academic Year Per 100,000 Population



Sources: Medical enrollment data are from the AAMC Data Warehouse STUDENT file as of December 9, 2008, accessed online at <http://www.aamc.org/data/facts/2008/schoolenr10308.htm> (August 12, 2009). Osteopathic enrollment data are from *Osteopathic Medical College Information Book: 2010 Entering Class*, accessed online at <http://www.aacom.org/resources/bookstore/cib/Pages/default.aspx> (August 05, 2009). July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008).

* State does not have a public medical or osteopathic school.

Table 9. Students Enrolled in Public Medical or Osteopathic Schools for the 2008-2009 Academic Year

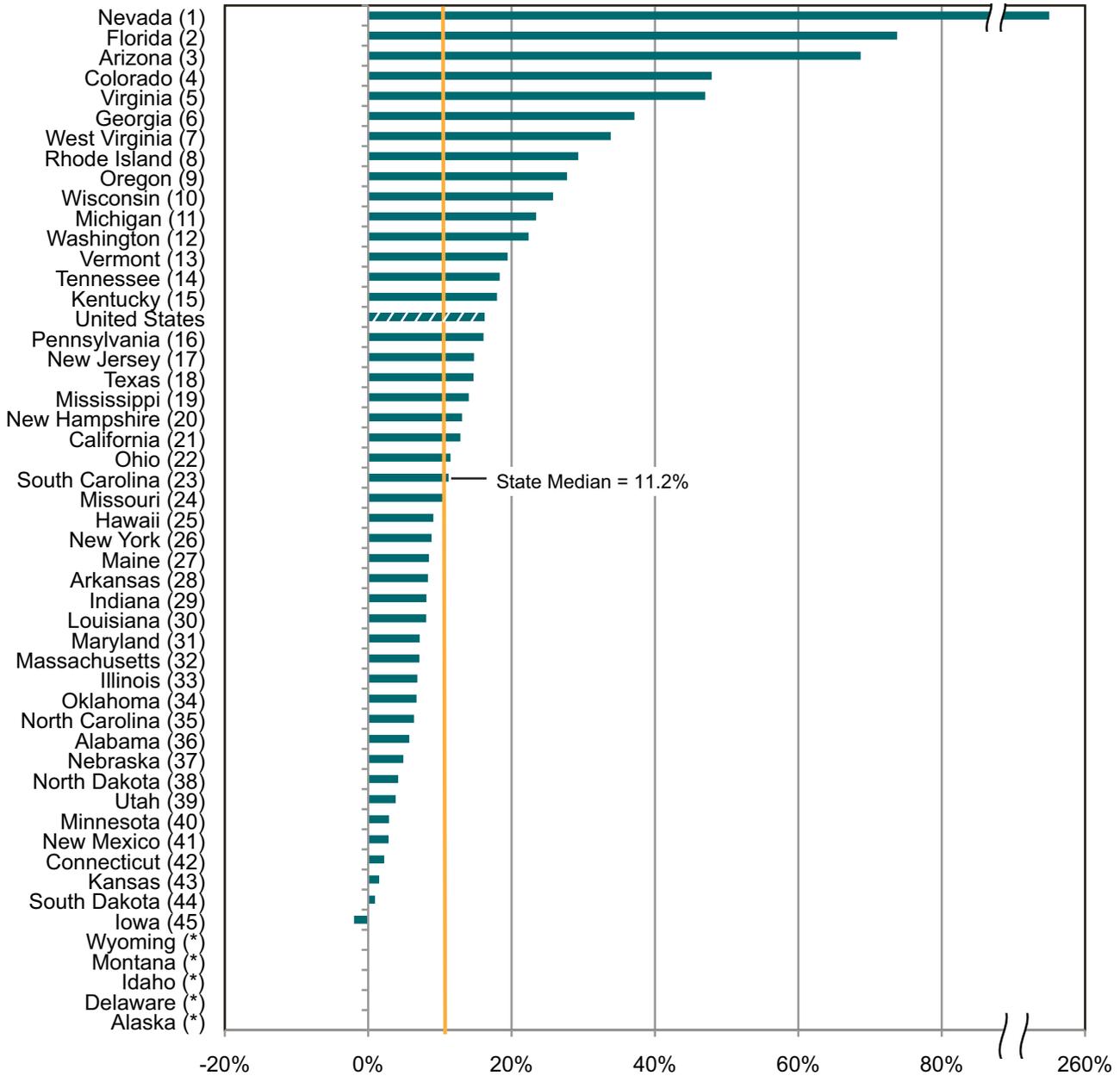
	Total Population	Total Students Enrolled in Public Medical or Osteopathic Schools			Students Enrolled in Public Medical Schools		Students Enrolled in Public Osteopathic Schools	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	304,059,724	48,402	15.9	N.R.	45,005	14.8	3,397	1.1
Alabama	4,661,900	1,014	21.8	18	1,014	21.8	--	--
Alaska	686,293	--	--	--	--	--	--	--
Arizona	6,500,180	561	8.6	37	561	8.6	--	--
Arkansas	2,855,390	624	21.9	15	624	21.9	--	--
California	36,756,666	3,013	8.2	38	3,013	8.2	--	--
Colorado	4,939,456	655	13.3	29	655	13.3	--	--
Connecticut	3,501,252	359	10.3	35	359	10.3	--	--
Delaware	873,092	--	--	--	--	--	--	--
District of Columbia	591,833	--	--	N.R.	--	--	--	--
Florida	18,328,340	1,433	7.8	40	1,433	7.8	--	--
Georgia	9,685,744	770	7.9	39	770	7.9	--	--
Hawaii	1,288,198	252	19.6	20	252	19.6	--	--
Idaho	1,523,816	--	--	--	--	--	--	--
Illinois	12,901,563	1,719	13.3	29	1,719	13.3	--	--
Indiana	6,376,792	1,211	19.0	21	1,211	19.0	--	--
Iowa	3,002,555	639	21.3	19	639	21.3	--	--
Kansas	2,802,134	727	25.9	10	727	25.9	--	--
Kentucky	4,269,245	1,066	25.0	11	1,066	25.0	--	--
Louisiana	4,410,796	1,204	27.3	8	1,204	27.3	--	--
Maine	1,316,456	--	--	--	--	--	--	--
Maryland	5,633,597	1,348	23.9	12	1,348	23.9	--	--
Massachusetts	6,497,967	478	7.4	41	478	7.4	--	--
Michigan	10,003,422	3,398	34.0	4	2,555	25.5	843	8.4
Minnesota	5,220,393	963	18.4	22	963	18.4	--	--
Mississippi	2,938,618	447	15.2	26	447	15.2	--	--
Missouri	5,911,605	783	13.2	32	783	13.2	--	--
Montana	967,440	--	--	--	--	--	--	--
Nebraska	1,783,432	499	28.0	6	499	28.0	--	--
Nevada	2,600,167	239	9.2	36	239	9.2	--	--
New Hampshire	1,315,809	--	--	--	--	--	--	--
New Jersey	8,682,661	1,905	21.9	15	1,477	17.0	428	4.9
New Mexico	1,984,356	326	16.4	24	326	16.4	--	--
New York	19,490,297	2,566	13.2	32	2,566	13.2	--	--
North Carolina	9,222,414	1,036	11.2	34	1,036	11.2	--	--
North Dakota	641,481	249	38.8	3	249	38.8	--	--
Ohio	11,485,910	3,600	31.3	5	3,153	27.5	447	3.9
Oklahoma	3,642,361	1,013	27.8	7	659	18.1	354	10
Oregon	3,790,060	525	13.9	27	525	13.9	--	--
Pennsylvania	12,448,279	610	4.9	42	610	4.9	--	--
Rhode Island	1,050,788	--	--	--	--	--	--	--
South Carolina	4,479,800	982	21.9	15	982	21.9	--	--
South Dakota	804,194	211	26.2	9	211	26.2	--	--
Tennessee	6,214,888	862	13.9	27	862	13.9	--	--
Texas	24,326,974	5,378	22.1	14	4,748	19.5	630	2.6
Utah	2,736,424	433	15.8	25	433	15.8	--	--
Vermont	621,270	473	76.1	1	473	76.1	--	--
Virginia	7,769,089	1,838	23.7	13	1,838	23.7	--	--
Washington	6,549,224	871	13.3	29	871	13.3	--	--
West Virginia	1,814,468	1,143	63.0	2	448	24.7	695	38
Wisconsin	5,627,967	979	17.4	23	979	17.4	--	--
Wyoming	532,668	--	--	--	--	--	--	--

Sources: Medical enrollment data are from the AAMC Data Warehouse STUDENT file, accessed online at <http://www.aamc.org/data/facts/2008/schoolenrl0308.htm> (August 12, 2009). Osteopathic enrollment data are from *Osteopathic Medical College Information Book: 2010 Entering Class*, accessed online at <http://www.aacom.org/resources/bookstore/cib/Pages/default.aspx> (August 05, 2009). July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008).

N.R. = Not Ranked

-- Indicates that the data are not applicable. Some states do not have a public medical or osteopathic school.

Figure 10. Percentage Change in Students Enrolled in Medical or Osteopathic Schools, 1999-2008



Sources: Medical enrollment data are from the AAMC Data Warehouse STUDENT file as of December 9, 2008, accessed online at <http://www.aamc.org/data/facts/2008/schoolenrll0308.htm> (August 12, 2009). Osteopathic enrollment data are from *Osteopathic Medical College Information Book: 2010 Entering Class*, accessed online at <http://www.aacom.org/resources/bookstore/cib/Pages/default.aspx> (August 05, 2009). Population estimates are from the U.S. Census Bureau (Release date: December 22, 2008).

* State does not have a medical or osteopathic school.

Table 10. Change in Number of Students Enrolled in Medical or Osteopathic Schools, 1999-2008

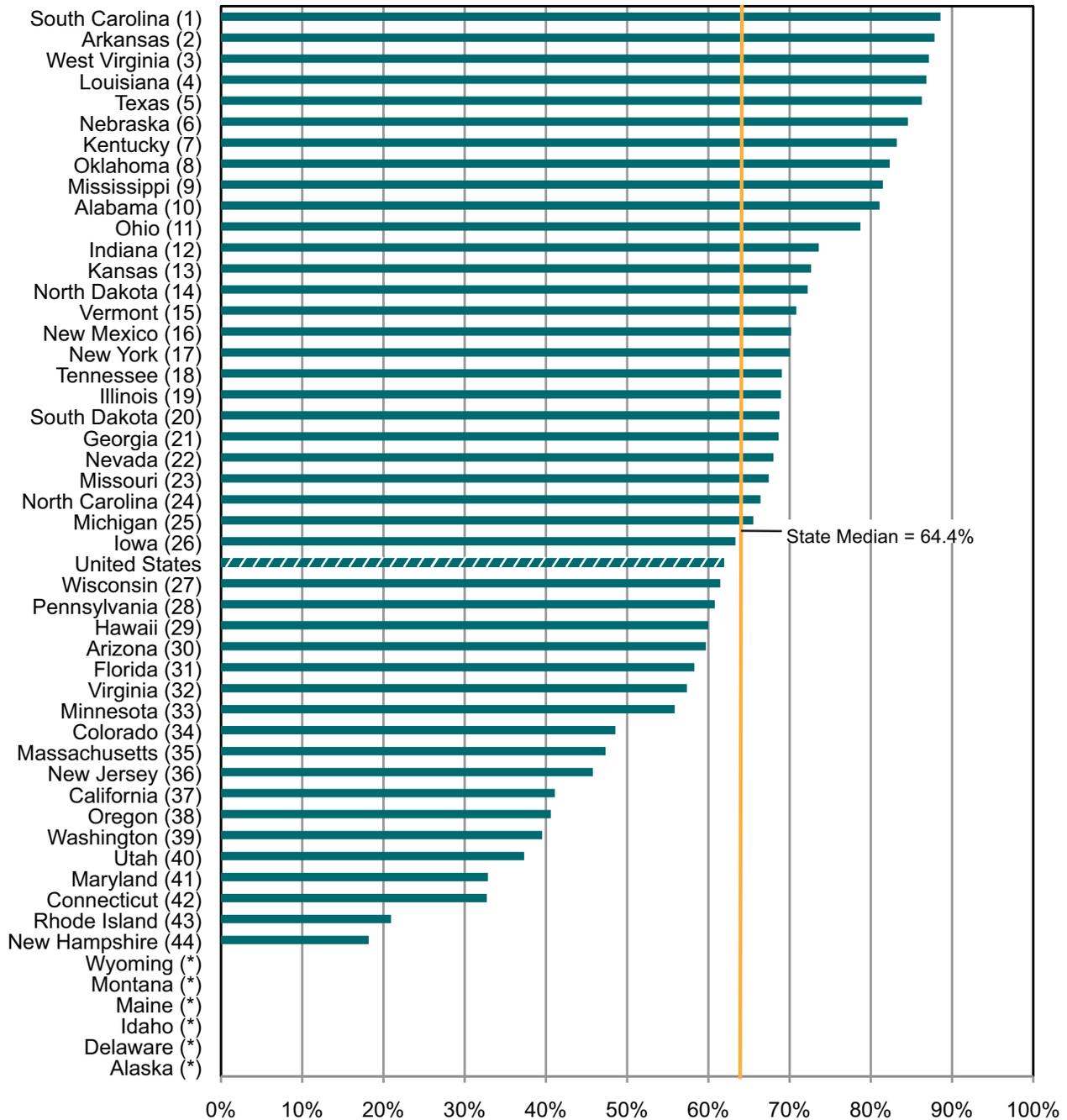
	Total Students Enrolled in UME				Students Enrolled in Medical School		Students Enrolled in Osteopathic School	
	1999	2008	Percent Change	Rank	1999	2008	1999	2008
United States	78,738	91,474	16.2%	N.R.	68,350	74,770	10,388	16,704
Alabama	959	1,014	5.7%	36	959	1,014	---	---
Alaska	---	---	---	---	---	---	---	---
Arizona	872	1,471	68.7%	3	427	561	445	910
Arkansas	576	624	8.3%	28	576	624	---	---
California	5,592	6,311	12.9%	21	4,660	4,913	932	1,398
Colorado	551	815	47.9%	4	551	655	---	160
Connecticut	850	869	2.2%	42	850	869	---	---
Delaware	---	---	---	---	---	---	---	---
District of Columbia	1,831	2,057	12.3%	N.R.	1,831	2,057	---	---
Florida	2,159	3,752	73.8%	2	1,506	2,195	653	1,557
Georgia	1,578	2,164	37.1%	6	1,578	1,826	---	338
Hawaii	231	252	9.1%	25	231	252	---	---
Idaho	---	---	---	---	---	---	---	---
Illinois	5,222	5,580	6.9%	33	4,600	4,900	622	680
Indiana	1,120	1,211	8.1%	29	1,120	1,211	---	---
Iowa	1,519	1,489	-2.0%	45	722	639	797	850
Kansas	716	727	1.5%	43	716	727	---	---
Kentucky	1,163	1,372	18.0%	15	984	1,066	179	306
Louisiana	1,757	1,899	8.1%	30	1,757	1,899	---	---
Maine	460	499	8.5%	27	---	---	460	499
Maryland	1,796	1,925	7.2%	31	1,796	1,925	---	---
Massachusetts	2,649	2,838	7.1%	32	2,649	2,838	---	---
Michigan	2,753	3,398	23.4%	11	2,246	2,555	507	843
Minnesota	1,136	1,169	2.9%	40	1,136	1,169	---	---
Mississippi	392	447	14.0%	19	392	447	---	---
Missouri	3,426	3,791	10.7%	24	1,952	2,093	1,474	1,698
Montana	---	---	---	---	---	---	---	---
Nebraska	958	1,005	4.9%	37	958	1,005	---	---
Nevada	212	733	245.8%	1	212	239	---	494
New Hampshire	298	337	13.1%	20	298	337	---	---
New Jersey	1,660	1,905	14.8%	17	1,353	1,477	307	428
New Mexico	317	326	2.8%	41	317	326	---	---
New York	8,381	9,122	8.8%	26	7,374	7,812	1,007	1,310
North Carolina	1,878	1,998	6.4%	35	1,878	1,998	---	---
North Dakota	239	249	4.2%	38	239	249	---	---
Ohio	3,979	4,436	11.5%	22	3,564	3,989	415	447
Oklahoma	949	1,013	6.7%	34	596	659	353	354
Oregon	411	525	27.7%	9	411	525	---	---
Pennsylvania	6,018	6,986	16.1%	16	4,508	4,925	1,510	2,061
Rhode Island	331	428	29.3%	8	331	428	---	---
South Carolina	883	982	11.2%	23	883	982	---	---
South Dakota	209	211	1.0%	44	209	211	---	---
Tennessee	1,777	2,103	18.3%	14	1,777	1,783	---	320
Texas	5,343	6,128	14.7%	18	4,890	5,498	453	630
Utah	417	433	3.8%	39	417	433	---	---
Vermont	396	473	19.4%	13	396	473	---	---
Virginia	1,693	2,489	47.0%	5	1,693	1,838	---	651
Washington	773	946	22.4%	12	773	871	---	75
West Virginia	854	1,143	33.8%	7	580	448	274	695
Wisconsin	1,454	1,829	25.8%	10	1,454	1,829	---	---
Wyoming	---	---	---	---	---	---	---	---

Sources: Medical enrollment data are from the AAMC Data Warehouse STUDENT file, accessed online at <http://www.aamc.org/data/facts/2008/schoolenrll0308.htm> (August 12, 2009). Osteopathic enrollment data are from *Osteopathic Medical College Information Book: 2010 Entering Class*, accessed online at <http://www.aacom.org/resources/bookstore/cib/Pages/default.aspx> (August 05, 2009). Population estimates are from the U.S. Census Bureau (Release date: December 22, 2008).

N.R. = Not Ranked

--- Indicates that the data are not applicable. Some states do not have a medical or osteopathic school.

Figure 11. In-State Matriculation to Medical School for the 2008-2009 Academic Year¹



Source: AAMC Data Warehouse Applicant Matriculant File as of October 10, 2008, accessed online at <http://www.aamc.org/data/facts> (August 12, 2009).

* State does not have a medical school.

¹ The data shown here are for students in medical schools only. Students attending osteopathic schools are excluded.

Table 11. In-State Matriculation to Medical School for the 2008-2009 Academic Year*

	Matriculants to Medical School by State of Legal Residence	First-Year Medical Students Who Matriculated to a Medical School in Their Legal State of Residence		
	Number	Number	Percent	Rank
United States	17,606	10,906	61.9%	N.R.
Alabama	280	227	81.1%	10
Alaska	31	---	---	---
Arizona	263	157	59.7%	30
Arkansas	148	130	87.8%	2
California	2,051	843	41.1%	37
Colorado	241	117	48.5%	34
Connecticut	220	72	32.7%	42
Delaware	35	---	---	---
District of Columbia	37	13	35.1%	N.R.
Florida	834	486	58.3%	31
Georgia	520	357	68.7%	21
Hawaii	85	51	60.0%	29
Idaho	58	---	---	---
Illinois	885	610	68.9%	19
Indiana	356	262	73.6%	12
Iowa	150	95	63.3%	26
Kansas	212	154	72.6%	13
Kentucky	250	208	83.2%	7
Louisiana	357	310	86.8%	4
Maine	30	---	---	---
Maryland	432	142	32.9%	41
Massachusetts	452	214	47.3%	35
Michigan	673	441	65.5%	25
Minnesota	367	205	55.9%	33
Mississippi	135	110	81.5%	9
Missouri	261	176	67.4%	23
Montana	57	---	---	---
Nebraska	149	126	84.6%	6
Nevada	75	51	68.0%	22
New Hampshire	44	8	18.2%	44
New Jersey	710	325	45.8%	36
New Mexico	104	73	70.2%	16
New York	1,312	919	70.0%	17
North Carolina	405	269	66.4%	24
North Dakota	54	39	72.2%	14
Ohio	705	555	78.7%	11
Oklahoma	181	149	82.3%	8
Oregon	165	67	40.6%	38
Pennsylvania	709	431	60.8%	28
Rhode Island	43	9	20.9%	43
South Carolina	245	217	88.6%	1
South Dakota	64	44	68.8%	20
Tennessee	310	214	69.0%	18
Texas	1,414	1,220	86.3%	5
Utah	217	81	37.3%	40
Vermont	48	34	70.8%	15
Virginia	455	261	57.4%	32
Washington	301	119	39.5%	39
West Virginia	140	122	87.1%	3
Wisconsin	314	193	61.5%	27
Wyoming	22	---	---	---

Source: AAMC Data Warehouse Applicant Matriculant File as of October 10, 2008, accessed online at <http://www.aamc.org/data/facts> (August 12, 2009).

N.R. = Not Ranked

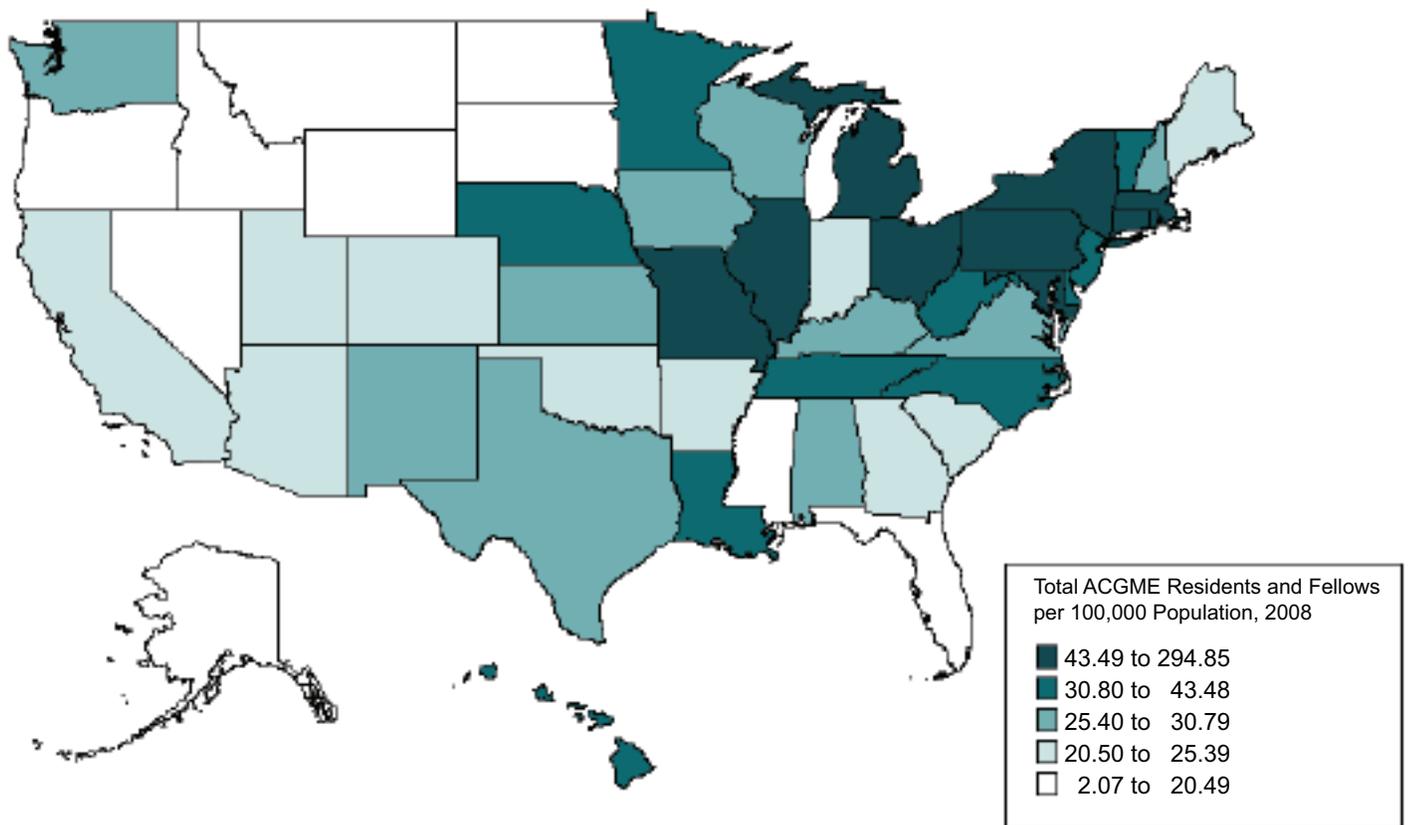
--- Indicates that the data are not applicable, as those states do not have a medical school.

* The data shown here are for students in medical schools only. Students attending osteopathic schools are excluded.

Key Findings – Graduate Medical Education

- In 2008, every state in the US had at least one ACGME-accredited GME program. The number of residents and fellows in ACGME-accredited training programs per 100,000 population varied widely across the US from a low of 2.1 in Montana to a high of 80.4 in New York (see Map 6, Figure 12, and Table 12). The national average was 35.7 residents and fellows per 100,000 population.

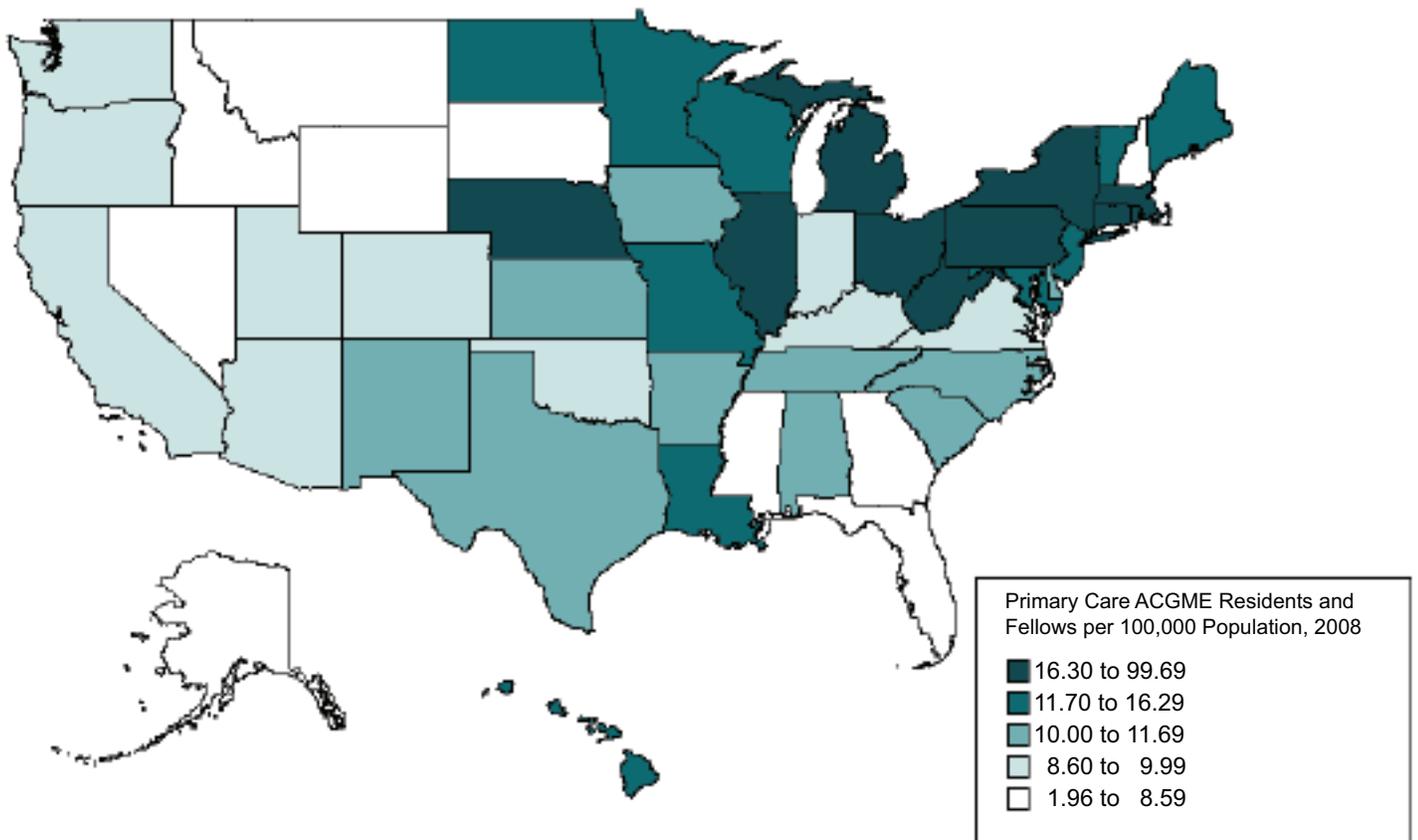
Map 6. Residents and Fellows in ACGME-Accredited Training Programs per 100,000 Population, 2008



Source: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physicians in ACGME-accredited programs are from the 2009 AAMC/AMA National GME Census.

- There were 13.7 residents and fellows in primary care programs⁵ accredited by the ACGME per 100,000 population in the US in 2008. 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 in the Northeast (see Map 7, Figure 13, and Table 13).

Map 7. Residents and Fellows in ACGME-Accredited Primary Care Programs per 100,000 Population, 2008

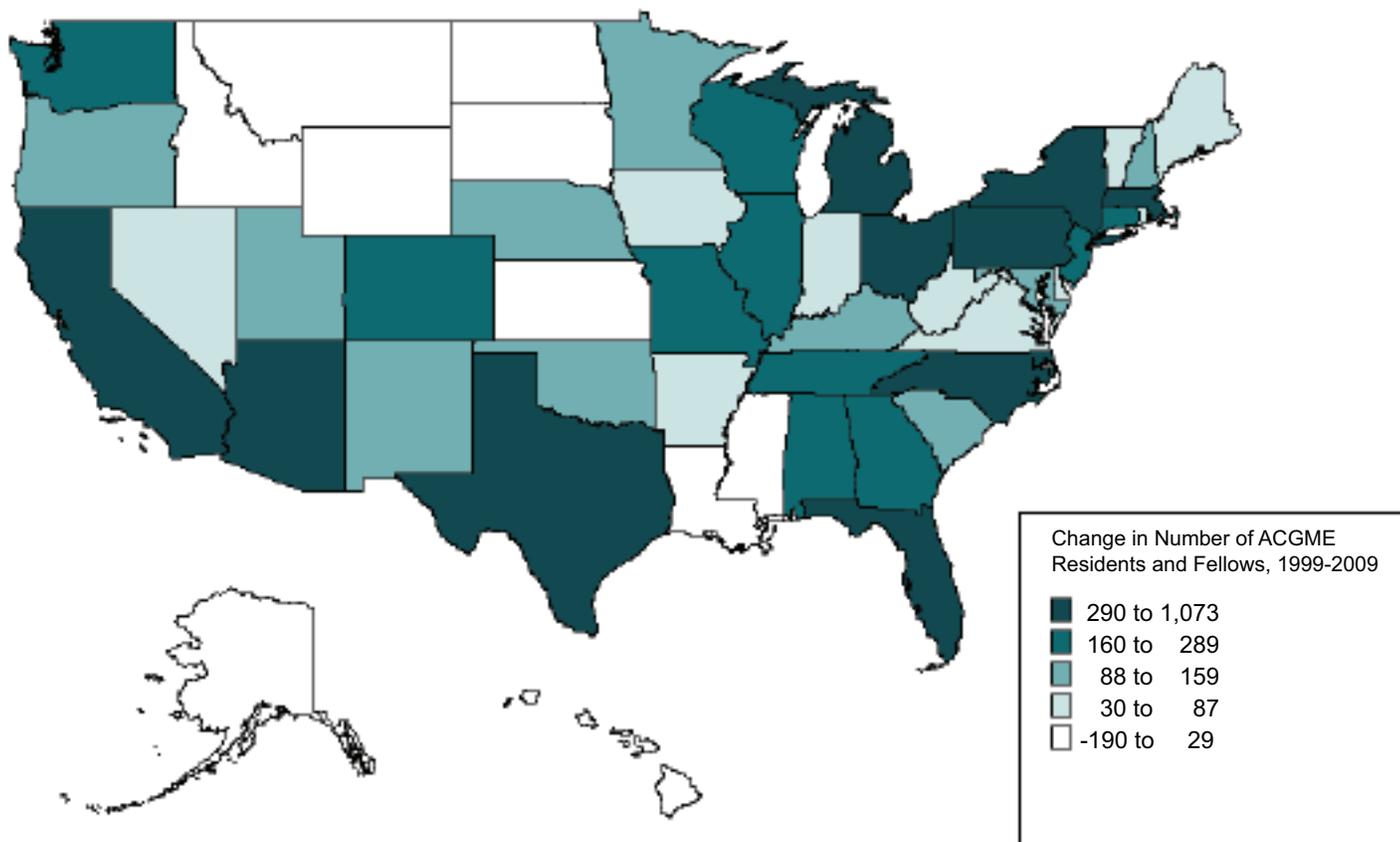


Source: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physicians in ACGME-accredited primary care programs are from the 2009 AAMC/AMA National GME Census.

⁵ See **Key Definitions** for a list of specialties counted as primary care.

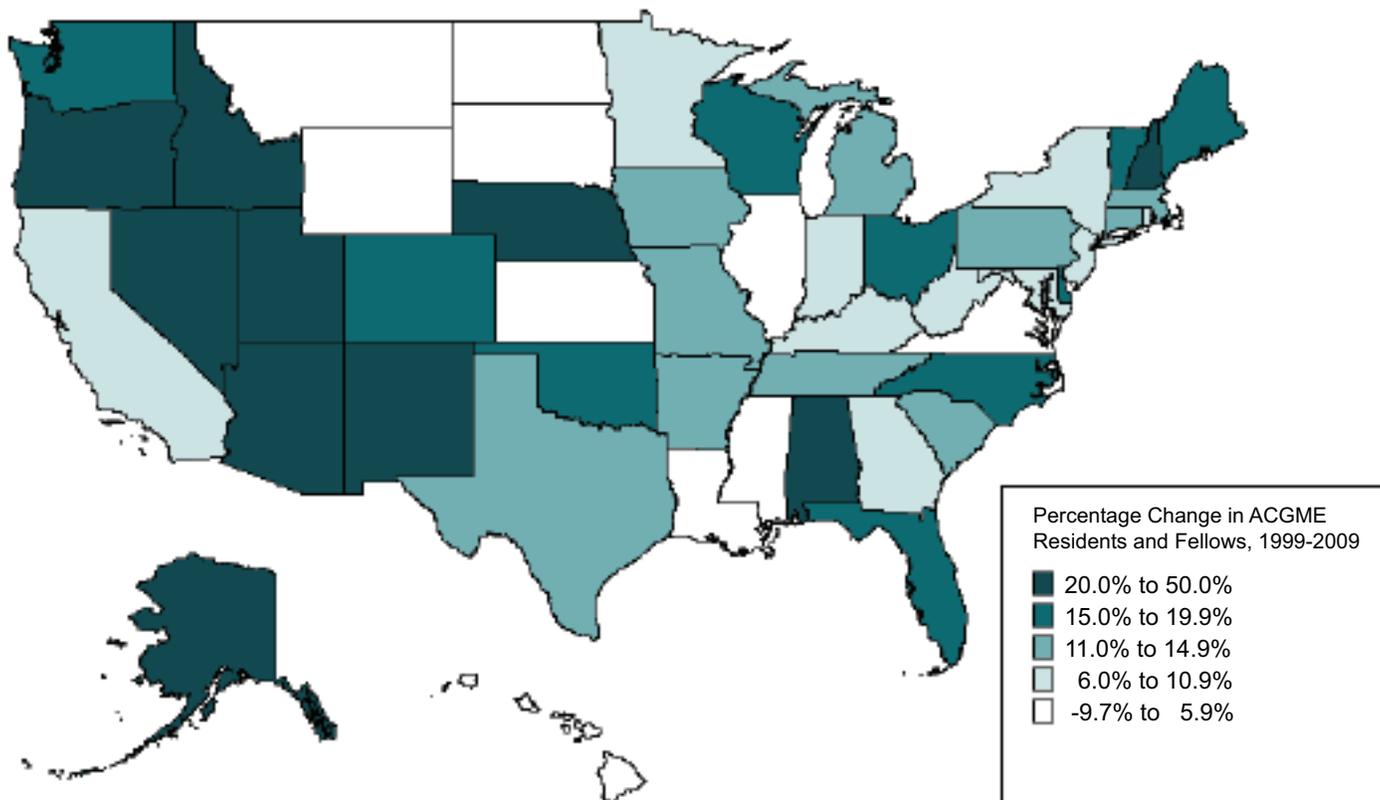
- Nationally, more than one quarter (27.5 percent) of the residents and fellows in ACGME training programs were IMGs in 2008. The percentage varied widely across the states. In Idaho, only 3.9 percent of the residents and fellows were IMGs. At the other end of the spectrum, in North Dakota nearly two thirds (63.8 percent) were IMGs (see Figure 14 and Table 14).
- In 2008, there were more residents and fellows in ACGME and OGME programs than there were students in medical and osteopathic schools in the US, due in part to the inflow of IMGs to GME. The ratio of total GME to total UME was 1.24. However, many states that had medical and osteopathic schools had fewer residents and fellows than students. North Dakota had the lowest ratio of GME to UME (0.42) (see Figure 15 and Table 15).
- Between 1999 and 2008, the number of residents and fellows in ACGME programs increased by 10,239 (10.5 percent). Although most states saw an increase over that time period, Hawaii (-21, -5.0 percent), Louisiana (-79, -4.5 percent), and North Dakota (-4, -3.4 percent) all had decreases in the number of residents and fellows (see Map 8, Figure 16, and Table 16). The rate of change varied widely by state, as can be seen in Map 9, Figure 16, and Table 16.

Map 8. Change in Number of Residents and Fellows in ACGME Programs, 1999-2008



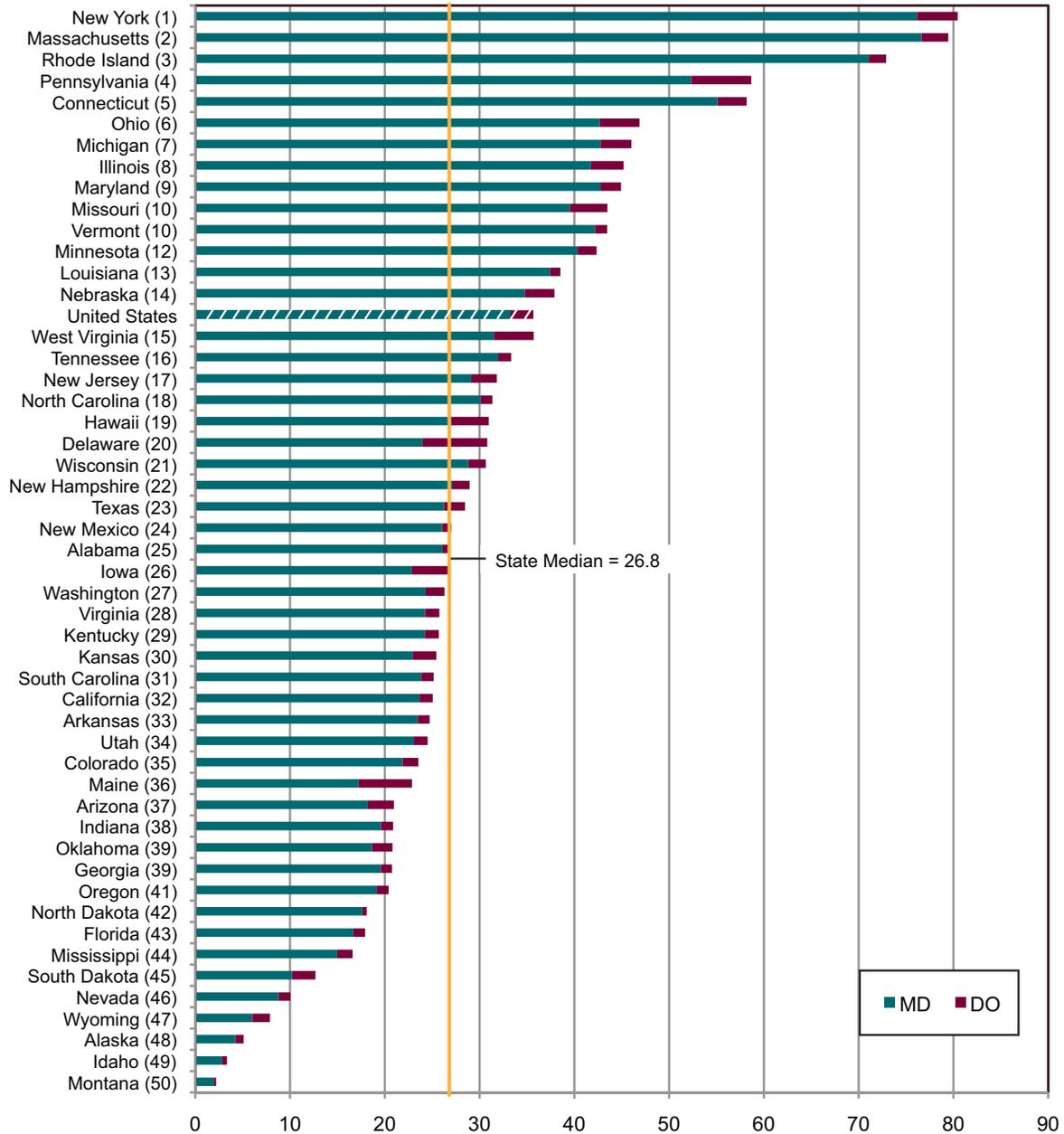
Source: *JAMA*.2000;284(9):1161-1162 and *JAMA*.2009;302(12)1357-1372.

Map 9. Percent Change in Residents and Fellows in ACGME Programs, 1999-2008



Source: *JAMA*.2000;284(9):1161-1162 and *JAMA*.2009;302(12):1357-1372.

Figure 12. Residents and Fellows on Duty as of August 1, 2008 in ACGME-Accredited Programs per 100,000 Population by Degree Type



Sources: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physicians in ACGME-accredited programs are from the 2009 AAMC/AMA National GME Census.

Table 12. Residents and Fellows on Duty as of August 1, 2008 in ACGME-Accredited Programs per 100,000 Population by Degree Type

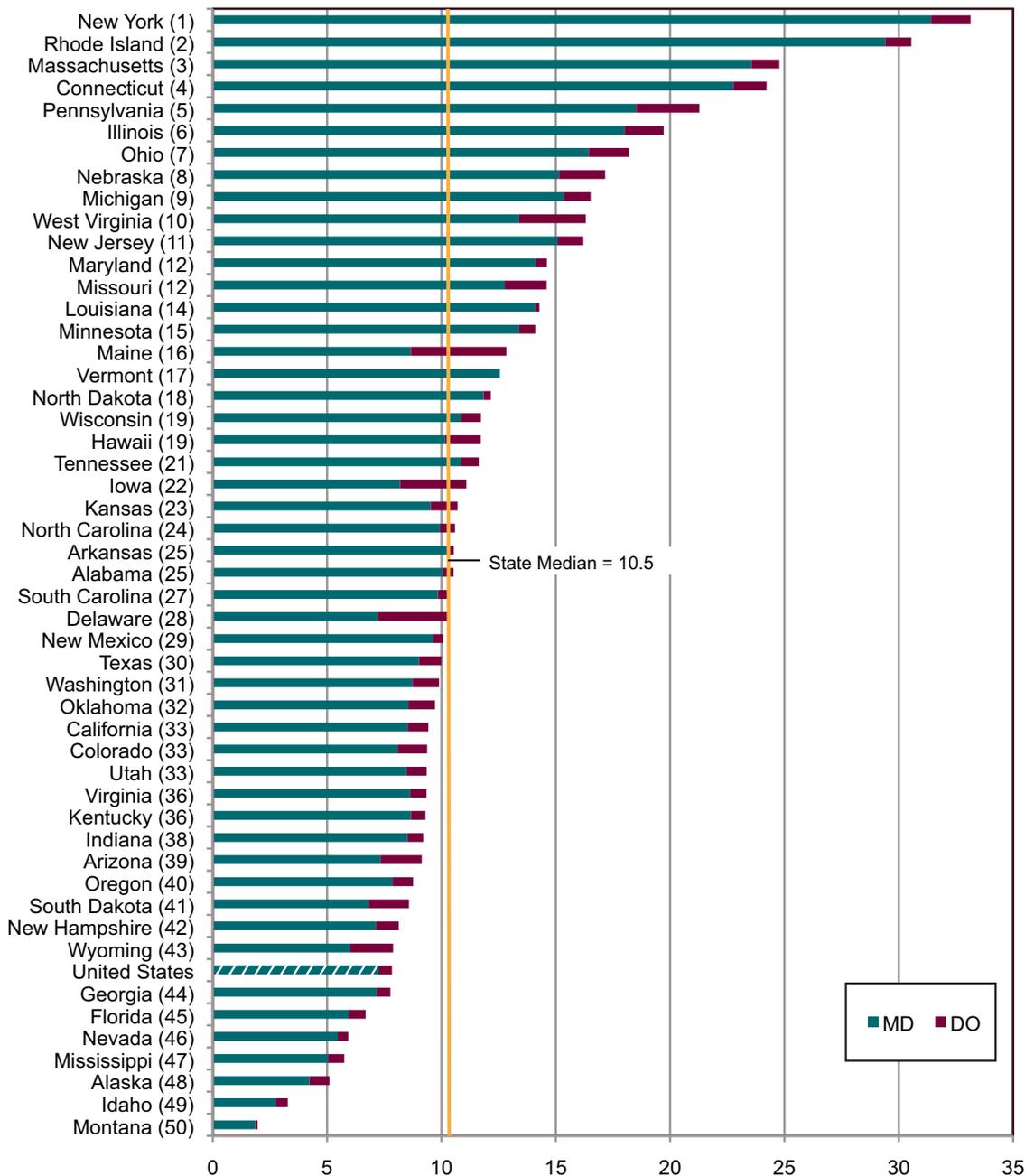
	Total Population	Total Residents/Fellows in ACGME Programs			M.D.s in ACGME Programs*		D.O.s in ACGME Programs	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	304,059,724	108,488	35.7	N.R.	101,146	33.3	7,339	2.4
Alabama	4,661,900	1,256	26.9	25	1,216	26.1	40	0.9
Alaska	686,293	35	5.1	48	29	4.2	6	0.9
Arizona	6,500,180	1,362	21.0	37	1,183	18.2	179	2.8
Arkansas	2,855,390	706	24.7	33	670	23.5	36	1.3
California	36,756,666	9,214	25.1	32	8,691	23.6	522	1.4
Colorado	4,939,456	1,163	23.5	35	1,080	21.9	83	1.7
Connecticut	3,501,252	2,037	58.2	5	1,929	55.1	108	3.1
Delaware	873,092	269	30.8	20	209	23.9	60	6.9
District of Columbia	591,833	1,745	294.8	N.R.	1,684	284.5	61	10.3
Florida	18,328,340	3,285	17.9	43	3,057	16.7	227	1.2
Georgia	9,685,744	2,010	20.8	39	1,897	19.6	113	1.2
Hawaii	1,288,198	399	31.0	19	348	27.0	51	4.0
Idaho	1,523,816	51	3.3	49	43	2.8	8	0.5
Illinois	12,901,563	5,832	45.2	8	5,383	41.7	449	3.5
Indiana	6,376,792	1,331	20.9	38	1,250	19.6	81	1.3
Iowa	3,002,555	801	26.7	26	686	22.8	115	3.8
Kansas	2,802,134	713	25.4	30	643	22.9	70	2.5
Kentucky	4,269,245	1,097	25.7	29	1,034	24.2	63	1.5
Louisiana	4,410,796	1,699	38.5	13	1,651	37.4	48	1.1
Maine	1,316,456	301	22.9	36	227	17.2	74	5.6
Maryland	5,633,597	2,531	44.9	9	2,411	42.8	120	2.1
Massachusetts	6,497,967	5,163	79.5	2	4,980	76.6	183	2.8
Michigan	10,003,422	4,603	46.0	7	4,278	42.8	325	3.2
Minnesota	5,220,393	2,211	42.4	12	2,106	40.3	105	2.0
Mississippi	2,938,618	488	16.6	44	440	15.0	48	1.6
Missouri	5,911,605	2,571	43.5	10	2,336	39.5	235	4.0
Montana	967,440	20	2.1	50	19	2.0	1	0.1
Nebraska	1,783,432	676	37.9	14	620	34.8	56	3.1
Nevada	2,600,167	261	10.0	46	228	8.8	33	1.3
New Hampshire	1,315,809	381	29.0	22	357	27.1	24	1.8
New Jersey	8,682,661	2,763	31.8	17	2,529	29.1	234	2.7
New Mexico	1,984,356	536	27.0	24	517	26.1	19	1.0
New York	19,490,297	15,679	80.4	1	14,840	76.1	839	4.3
North Carolina	9,222,414	2,892	31.4	18	2,777	30.1	115	1.2
North Dakota	641,481	116	18.1	42	113	17.6	3	0.5
Ohio	11,485,910	5,384	46.9	6	4,901	42.7	483	4.2
Oklahoma	3,642,361	758	20.8	39	679	18.6	79	2.2
Oregon	3,790,060	773	20.4	41	726	19.2	47	1.2
Pennsylvania	12,448,279	7,304	58.7	4	6,516	52.3	787	6.3
Rhode Island	1,050,788	766	72.9	3	747	71.1	19	1.8
South Carolina	4,479,800	1,127	25.2	31	1,068	23.8	59	1.3
South Dakota	804,194	102	12.7	45	82	10.2	20	2.5
Tennessee	6,214,888	2,072	33.3	16	1,987	32.0	85	1.4
Texas	24,326,974	6,924	28.5	23	6,387	26.3	537	2.2
Utah	2,736,424	671	24.5	34	631	23.1	40	1.5
Vermont	621,270	270	43.5	10	262	42.2	8	1.3
Virginia	7,769,089	2,001	25.8	28	1,884	24.2	117	1.5
Washington	6,549,224	1,723	26.3	27	1,590	24.3	133	2.0
West Virginia	1,814,468	648	35.7	15	572	31.5	76	4.2
Wisconsin	5,627,967	1,726	30.7	21	1,621	28.8	105	1.9
Wyoming	532,668	42	7.9	47	32	6.0	10	1.9

Sources: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physicians in ACGME-accredited programs are from the 2009 AAMC/AMA National GME Census.

N.R. = Not Ranked

* The number of M.D.s includes M.D.s from international medical schools. Figures exclude 3 residents whose degree type was unknown.

Figure 13. Residents and Fellows on Duty as of August 1, 2008 in ACGME-Accredited Primary Care Programs per 100,000 Population by Degree Type



Sources: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physicians in ACGME-accredited primary care programs are from the 2009 AAMC/AMA National GME Census.

Table 13. Residents and Fellows on Duty as of August 1, 2008 in ACGME-Accredited Primary Care Programs per 100,000 Population by Degree Type

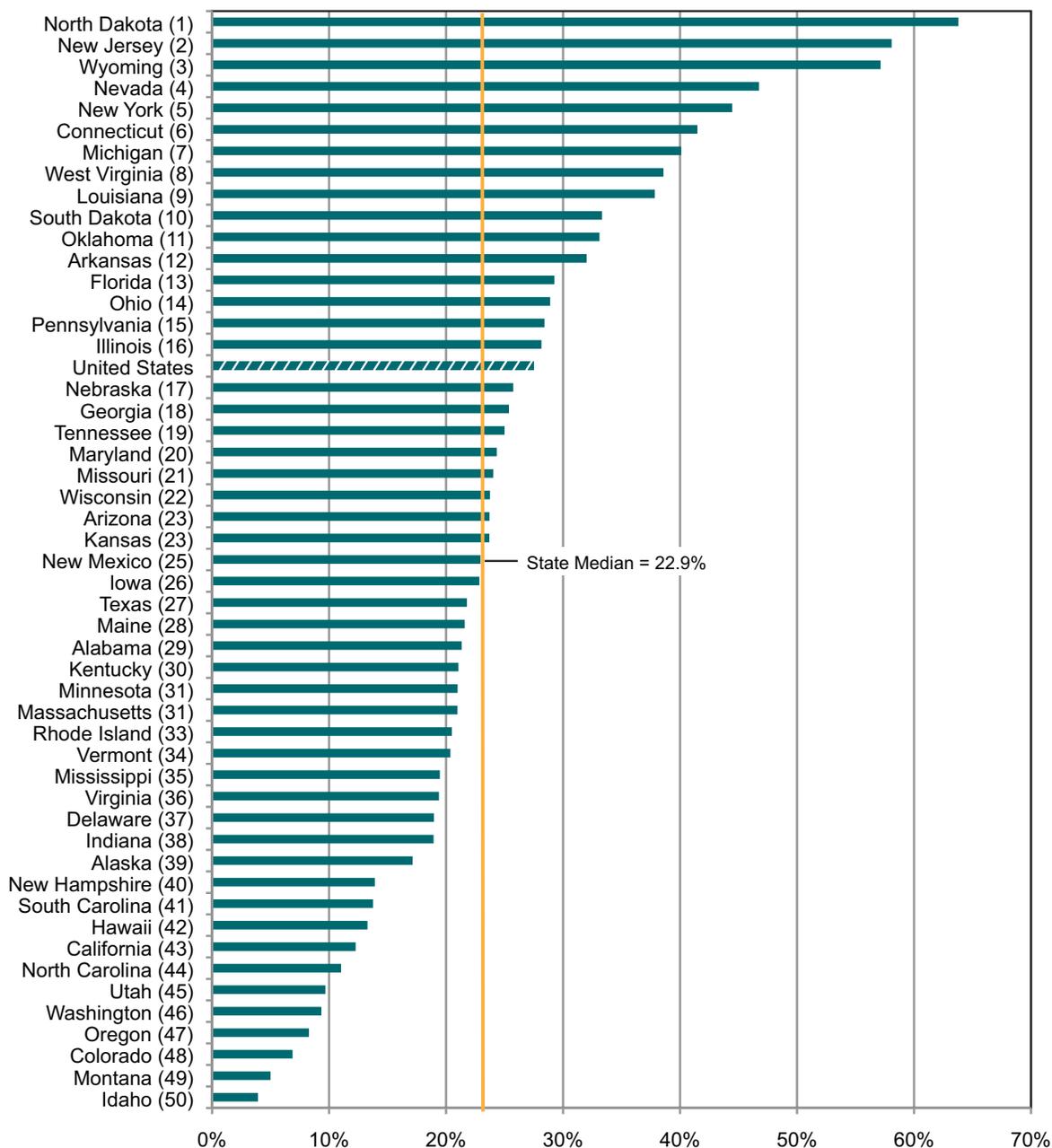
	Total Population	Total Residents in Primary Care ACGME Programs			M.D.s in Primary Care ACGME Programs*		D.O.s in Primary Care ACGME Programs	
		Number	Rate per 100,000	Rank	Number	Rate per 100,000	Number	Rate per 100,000
United States	304,059,724	41,716	13.7	N.R.	38,197	12.6	3,519	1.2
Alabama	4,661,900	491	10.5	25	468	10.0	23	0.5
Alaska	686,293	35	5.1	48	29	4.2	6	0.9
Arizona	6,500,180	594	9.1	39	477	7.3	117	1.8
Arkansas	2,855,390	301	10.5	25	292	10.2	9	0.3
California	36,756,666	3,464	9.4	33	3,136	8.5	328	0.9
Colorado	4,939,456	463	9.4	33	400	8.1	63	1.3
Connecticut	3,501,252	848	24.2	4	797	22.8	51	1.5
Delaware	873,092	90	10.3	28	63	7.2	27	3.1
District of Columbia	591,833	590	99.7	N.R.	575	97.2	15	2.5
Florida	18,328,340	1,225	6.7	45	1,087	5.9	138	0.8
Georgia	9,685,744	752	7.8	44	695	7.2	57	0.6
Hawaii	1,288,198	151	11.7	19	131	10.2	20	1.6
Idaho	1,523,816	50	3.3	49	42	2.8	8	0.5
Illinois	12,901,563	2,544	19.7	6	2,323	18.0	221	1.7
Indiana	6,376,792	587	9.2	38	543	8.5	44	0.7
Iowa	3,002,555	333	11.1	22	246	8.2	87	2.9
Kansas	2,802,134	300	10.7	23	267	9.5	33	1.2
Kentucky	4,269,245	397	9.3	36	370	8.7	27	0.6
Louisiana	4,410,796	630	14.3	14	622	14.1	8	0.2
Maine	1,316,456	169	12.8	16	114	8.7	55	4.2
Maryland	5,633,597	823	14.6	12	796	14.1	27	0.5
Massachusetts	6,497,967	1,610	24.8	3	1,531	23.6	79	1.2
Michigan	10,003,422	1,653	16.5	9	1,537	15.4	116	1.2
Minnesota	5,220,393	736	14.1	15	699	13.4	37	0.7
Mississippi	2,938,618	169	5.8	47	148	5.0	21	0.7
Missouri	5,911,605	863	14.6	12	755	12.8	108	1.8
Montana	967,440	19	2.0	50	18	1.9	1	0.1
Nebraska	1,783,432	306	17.2	8	270	15.1	36	2.0
Nevada	2,600,167	154	5.9	46	142	5.5	12	0.5
New Hampshire	1,315,809	107	8.1	42	94	7.1	13	1.0
New Jersey	8,682,661	1,407	16.2	11	1,310	15.1	97	1.1
New Mexico	1,984,356	200	10.1	29	191	9.6	9	0.5
New York	19,490,297	6,459	33.1	1	6,121	31.4	338	1.7
North Carolina	9,222,414	977	10.6	24	917	9.9	60	0.7
North Dakota	641,481	78	12.2	18	76	11.8	2	0.3
Ohio	11,485,910	2,090	18.2	7	1,888	16.4	202	1.8
Oklahoma	3,642,361	354	9.7	32	312	8.6	42	1.2
Oregon	3,790,060	332	8.8	40	298	7.9	34	0.9
Pennsylvania	12,448,279	2,649	21.3	5	2,305	18.5	344	2.8
Rhode Island	1,050,788	321	30.5	2	309	29.4	12	1.1
South Carolina	4,479,800	464	10.4	27	441	9.8	23	0.5
South Dakota	804,194	69	8.6	41	55	6.8	14	1.7
Tennessee	6,214,888	723	11.6	21	674	10.8	49	0.8
Texas	24,326,974	2,433	10.0	30	2,194	9.0	239	1.0
Utah	2,736,424	256	9.4	33	232	8.5	24	0.9
Vermont	621,270	78	12.6	17	78	12.6	0	0.0
Virginia	7,769,089	726	9.3	36	671	8.6	55	0.7
Washington	6,549,224	648	9.9	31	572	8.7	76	1.2
West Virginia	1,814,468	296	16.3	10	243	13.4	53	2.9
Wisconsin	5,627,967	660	11.7	19	611	10.9	49	0.9
Wyoming	532,668	42	7.9	43	32	6.0	10	1.9

Sources: July 1, 2008 population estimates are from the U.S. Census Bureau (Release date: December 22, 2008). Physicians in ACGME-accredited primary care programs are from the 2009 AAMC/AMA National GME Census.

N.R. = Not Ranked

* The number of M.D.s includes M.D.s from international medical schools.

Figure 14. Percentage of Residents and Fellows in ACGME-Accredited Programs Who Are International Medical Graduates (IMGs), August 1, 2008



Source: 2009 AAMC/AMA National GME Census

Table 14. Residents and Fellows on Duty as of August 1, 2008 in ACGME-Accredited Programs by Medical School Type

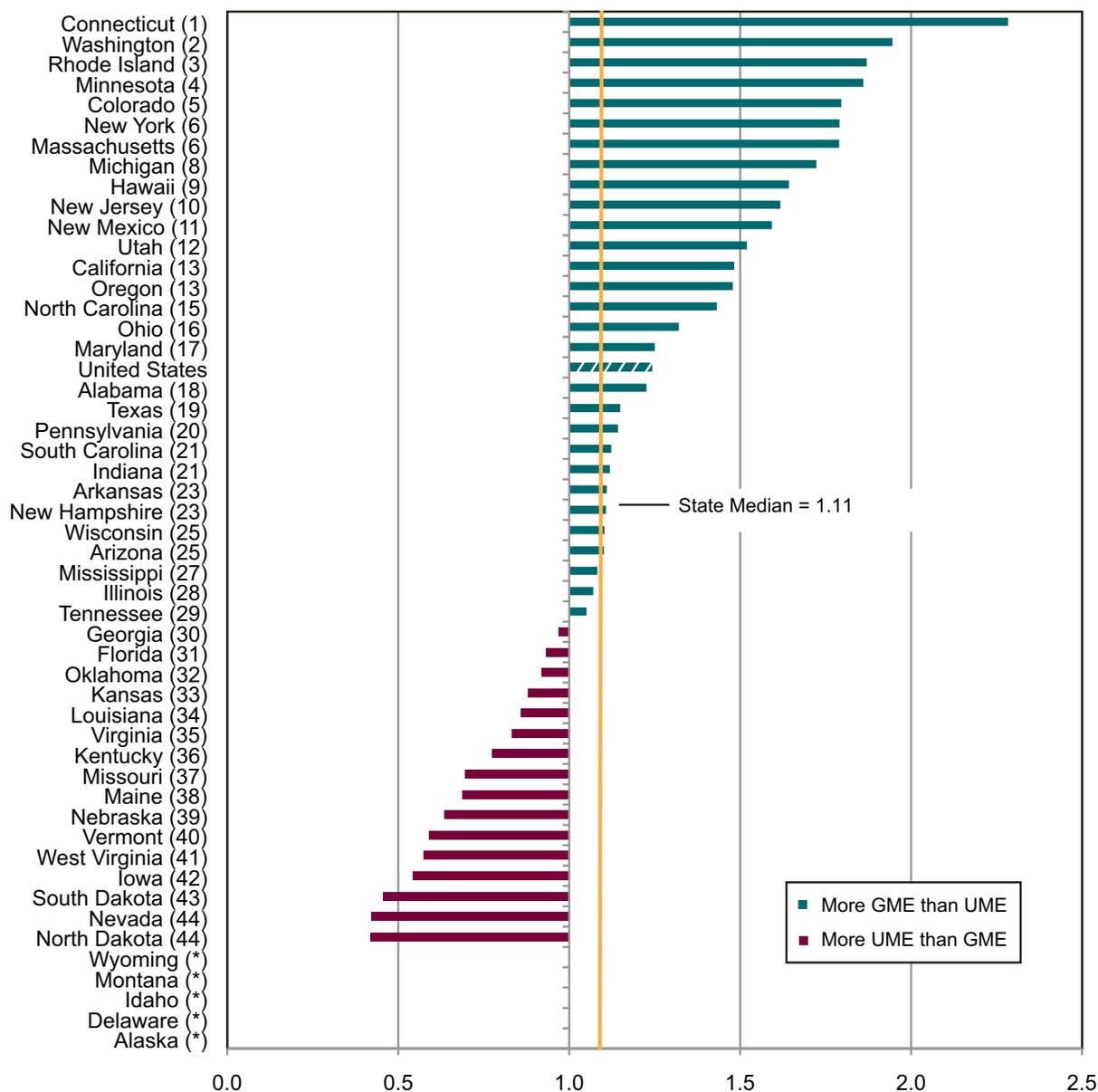
	Total Residents/ Fellows*	U.S.M.D.		D.O.		IMG		
		Number	Percent	Number	Percent	Number	Percent	Rank
United States	108,488	70,954	65.4%	7,339	6.8%	29,863	27.5%	N.R.
Alabama	1,256	948	75.5%	40	3.2%	268	21.3%	29
Alaska	35	23	65.7%	6	17.1%	6	17.1%	39
Arizona	1,362	858	63.0%	179	13.1%	323	23.7%	23
Arkansas	706	444	62.9%	36	5.1%	226	32.0%	12
California	9,214	7,525	81.7%	522	5.7%	1,131	12.3%	43
Colorado	1,163	997	85.7%	83	7.1%	80	6.9%	48
Connecticut	2,037	1,073	52.7%	108	5.3%	845	41.5%	6
Delaware	269	158	58.7%	60	22.3%	51	19.0%	37
District of Columbia	1,745	1,292	74.0%	61	3.5%	388	22.2%	N.R.
Florida	3,285	2,090	63.6%	227	6.9%	961	29.3%	13
Georgia	2,010	1,384	68.9%	113	5.6%	510	25.4%	18
Hawaii	399	295	73.9%	51	12.8%	53	13.3%	42
Idaho	51	41	80.4%	8	15.7%	2	3.9%	50
Illinois	5,832	3,733	64.0%	449	7.7%	1,642	28.2%	16
Indiana	1,331	994	74.7%	81	6.1%	252	18.9%	38
Iowa	801	502	62.7%	115	14.4%	183	22.8%	26
Kansas	713	474	66.5%	70	9.8%	169	23.7%	23
Kentucky	1,097	801	73.0%	63	5.7%	231	21.1%	30
Louisiana	1,699	1,007	59.3%	48	2.8%	643	37.8%	9
Maine	301	161	53.5%	74	24.6%	65	21.6%	28
Maryland	2,531	1,789	70.7%	120	4.7%	616	24.3%	20
Massachusetts	5,163	3,840	74.4%	183	3.5%	1,083	21.0%	31
Michigan	4,603	2,424	52.7%	325	7.1%	1,846	40.1%	7
Minnesota	2,211	1,625	73.5%	105	4.7%	464	21.0%	31
Mississippi	488	345	70.7%	48	9.8%	95	19.5%	35
Missouri	2,571	1,714	66.7%	235	9.1%	618	24.0%	21
Montana	20	18	90.0%	1	5.0%	1	5.0%	49
Nebraska	676	446	66.0%	56	8.3%	174	25.7%	17
Nevada	261	106	40.6%	33	12.6%	122	46.7%	4
New Hampshire	381	303	79.5%	24	6.3%	53	13.9%	40
New Jersey	2,763	922	33.4%	234	8.5%	1,605	58.1%	2
New Mexico	536	393	73.3%	19	3.5%	123	22.9%	25
New York	15,679	7,813	49.8%	839	5.4%	6,970	44.5%	5
North Carolina	2,892	2,449	84.7%	115	4.0%	319	11.0%	44
North Dakota	116	39	33.6%	3	2.6%	74	63.8%	1
Ohio	5,384	3,327	61.8%	483	9.0%	1,556	28.9%	14
Oklahoma	758	427	56.3%	79	10.4%	251	33.1%	11
Oregon	773	659	85.3%	47	6.1%	64	8.3%	47
Pennsylvania	7,304	4,420	60.5%	787	10.8%	2,075	28.4%	15
Rhode Island	766	583	76.1%	19	2.5%	157	20.5%	33
South Carolina	1,127	912	80.9%	59	5.2%	155	13.8%	41
South Dakota	102	47	46.1%	20	19.6%	34	33.3%	10
Tennessee	2,072	1,469	70.9%	85	4.1%	518	25.0%	19
Texas	6,924	4,874	70.4%	537	7.8%	1,508	21.8%	27
Utah	671	559	83.3%	40	6.0%	65	9.7%	45
Vermont	270	200	74.1%	8	3.0%	55	20.4%	34
Virginia	2,001	1,492	74.6%	117	5.8%	388	19.4%	36
Washington	1,723	1,422	82.5%	133	7.7%	161	9.3%	46
West Virginia	648	321	49.5%	76	11.7%	250	38.6%	8
Wisconsin	1,726	1,208	70.0%	105	6.1%	410	23.8%	22
Wyoming	42	8	19.0%	10	23.8%	24	57.1%	3

Source: 2009 AAMC/AMA National GME Census

N.R. = Not Ranked

* Total includes 329 physicians who are graduates of Canadian schools and 3 physicians whose medical school information is unknown.

Figure 15. Ratio of Residents and Fellows (GME) to Medical and Osteopathic Students (UME), Academic Year 2007-2008



Sources: Medical enrollment data are from the AAMC Data Warehouse STUDENT file as of December 9, 2008. Osteopathic enrollment data are from *Osteopathic Medical College Information Book: 2010 Entering Class*, accessed online at <http://www.aacom.org> (August 24, 2009). Residents on duty in ACGME programs are from *JAMA*. 2008;300(10):1228. Residents on duty in OGME programs are from *JAOA*. 2009;109(3):135-145.

* State does not have a medical or osteopathic school.

Table 15. Ratio of Residents and Fellows (GME) to Medical and Osteopathic Students (UME), Academic Year 2007-2008*

	Students Enrolled in UME			Residents and Fellows in GME			GME to UME Ratio	Rank
	Total	Medical School	Osteopathic School	Total	ACGME Programs	OGME Programs		
United States	88,883	73,249	15,634	110,298	105,364	4,934	1.24	N.R.
Alabama	996	996	---	1,221	1,221	---	1.23	18
Alaska	---	---	---	36	33	3	---	---
Arizona	1,202	506	696	1,324	1,279	45	1.10	25
Arkansas	619	619	---	687	684	3	1.11	23
California	6,263	4,890	1,373	9,286	9,110	176	1.48	13
Colorado	631	631	---	1,133	1,133	0	1.80	5
Connecticut	865	865	---	1,975	1,962	13	2.28	1
Delaware	---	---	---	249	231	18	---	---
District of Columbia	2,023	2,023	---	1,814	1,814	---	0.90	N.R.
Florida	3,626	2,083	1,543	3,381	3,088	293	0.93	31
Georgia	2,005	1,753	252	1,946	1,938	8	0.97	30
Hawaii	249	249	---	409	409	---	1.64	9
Idaho	---	---	---	48	48	---	---	---
Illinois	5,586	4,911	675	5,978	5,717	261	1.07	28
Indiana	1,178	1,178	---	1,318	1,298	20	1.12	21
Iowa	1,477	637	840	802	773	29	0.54	42
Kansas	722	722	---	636	630	6	0.88	33
Kentucky	1,344	1,043	301	1,043	1,012	31	0.78	36
Louisiana	1,839	1,839	---	1,579	1,579	---	0.86	34
Maine	501	---	501	345	289	56	0.69	38
Maryland	1,895	1,895	---	2,369	2,369	---	1.25	17
Massachusetts	2,803	2,803	---	5,016	5,002	14	1.79	6
Michigan	3,249	2,462	787	5,598	4,402	1,196	1.72	8
Minnesota	1,138	1,138	---	2,117	2,117	0	1.86	4
Mississippi	436	436	---	472	472	0	1.08	27
Missouri	3,745	2,071	1,674	2,608	2,494	114	0.70	37
Montana	---	---	---	19	19	---	---	---
Nebraska	994	994	---	632	632	---	0.64	39
Nevada	667	227	440	282	234	48	0.42	44
New Hampshire	335	335	---	371	367	4	1.11	23
New Jersey	1,841	1,428	413	2,978	2,659	319	1.62	10
New Mexico	324	324	---	516	511	5	1.59	11
New York	9,039	7,702	1,337	16,184	15,695	489	1.79	6
North Carolina	1,978	1,978	---	2,832	2,818	14	1.43	15
North Dakota	250	250	---	105	105	0	0.42	44
Ohio	4,323	3,884	439	5,709	5,144	565	1.32	16
Oklahoma	979	636	343	901	712	189	0.92	32
Oregon	514	514	---	760	760	0	1.48	13
Pennsylvania	6,873	4,847	2,026	7,852	7,115	737	1.14	20
Rhode Island	393	393	---	735	735	0	1.87	3
South Carolina	951	951	---	1,068	1,060	8	1.12	21
South Dakota	210	210	---	96	96	---	0.46	43
Tennessee	1,938	1,778	160	2,036	2,034	2	1.05	29
Texas	5,945	5,352	593	6,832	6,731	101	1.15	19
Utah	435	435	---	661	661	---	1.52	12
Vermont	444	444	---	262	262	---	0.59	40
Virginia	2,459	1,814	645	2,047	2,001	46	0.83	35
Washington	826	826	---	1,607	1,607	0	1.95	2
West Virginia	1,275	679	596	731	635	96	0.57	41
Wisconsin	1,498	1,498	---	1,653	1,632	21	1.10	25
Wyoming	---	---	---	39	35	4	---	---

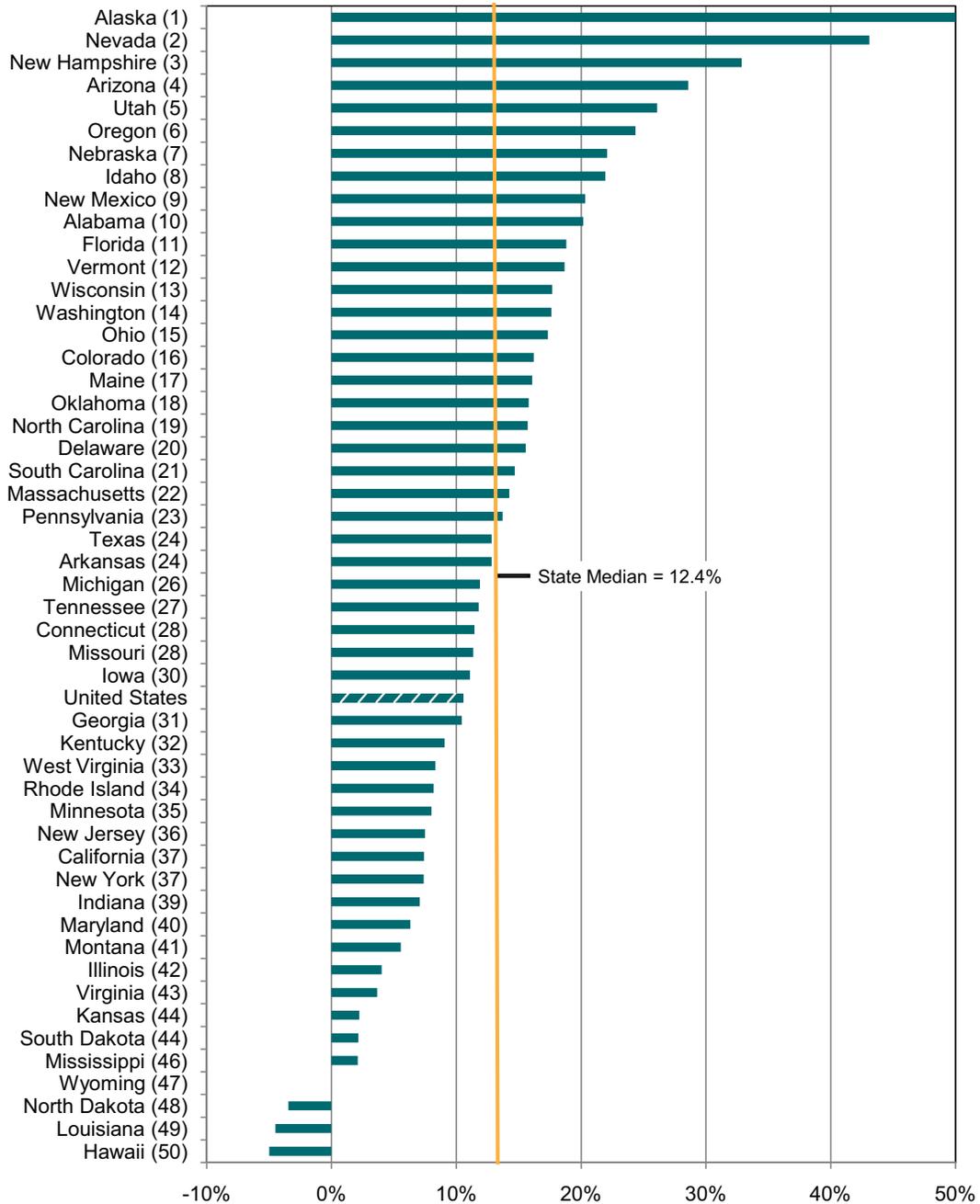
Sources: Medical enrollment data are from the AAMC Data Warehouse STUDENT file as of December 9, 2008. Osteopathic enrollment data are from *Osteopathic Medical College Information Book: 2010 Entering Class*, accessed online at <http://www.aacom.org> (August 24, 2009). Residents on duty in ACGME programs are from JAMA. 2008;300(10):1228. Residents on duty in OGME programs are from JAOA. 2009;109(3):135-145.

N.R. = Not Ranked

--- Indicates that the data are not applicable. Some states did not have a medical or osteopathic school or a GME program in the 2007-2008 academic year.

*GME data in this table are from academic year 2007-2008, which differs from other tables. OGME data for 2008-2009 were not available at time of printing.

Figure 16. Percentage Change in Number of Residents and Fellows in ACGME-Accredited Programs, 1999 to 2008



Sources: JAMA. 2000;284(9):1161-1162 and JAMA. 2009;302(12):1357-1372.

Table 16. Change in Number of Residents and Fellows in ACGME-Accredited Programs, 1999 and 2008

	Total Residents and Fellows in ACGME-Accredited Programs				
	1999	2008	Number Change	Percent Change	Rank
United States	97,192	107,431	10,239	10.5%	N.R.
Alabama	1,026	1,233	207	20.2%	10
Alaska	24	36	12	50.0%	1
Arizona	1,039	1,336	297	28.6%	4
Arkansas	616	695	79	12.8%	24
California	8,643	9,284	641	7.4%	37
Colorado	987	1,147	160	16.2%	16
Connecticut	1,817	2,025	208	11.4%	28
Delaware	212	245	33	15.6%	20
District of Columbia	1,957	1,767	-190	-9.7%	N.R.
Florida	2,760	3,279	519	18.8%	11
Georgia	1,809	1,998	189	10.4%	31
Hawaii	421	400	-21	-5.0%	50
Idaho	41	50	9	22.0%	8
Illinois	5,523	5,745	222	4.0%	42
Indiana	1,231	1,318	87	7.1%	39
Iowa	730	811	81	11.1%	30
Kansas	672	687	15	2.2%	44
Kentucky	982	1,071	89	9.1%	32
Louisiana	1,760	1,681	-79	-4.5%	49
Maine	255	296	41	16.1%	17
Maryland	2,311	2,457	146	6.3%	40
Massachusetts	4,535	5,181	646	14.2%	22
Michigan	4,034	4,514	480	11.9%	26
Minnesota	1,984	2,143	159	8.0%	35
Mississippi	476	486	10	2.1%	46
Missouri	2,272	2,530	258	11.4%	28
Montana	18	19	1	5.6%	41
Nebraska	539	658	119	22.1%	7
Nevada	174	249	75	43.1%	2
New Hampshire	283	376	93	32.9%	3
New Jersey	2,511	2,699	188	7.5%	36
New Mexico	433	521	88	20.3%	9
New York	14,511	15,584	1,073	7.4%	37
North Carolina	2,473	2,862	389	15.7%	19
North Dakota	116	112	-4	-3.4%	48
Ohio	4,532	5,318	786	17.3%	15
Oklahoma	639	740	101	15.8%	18
Oregon	624	776	152	24.4%	6
Pennsylvania	6,369	7,242	873	13.7%	23
Rhode Island	697	754	57	8.2%	34
South Carolina	967	1,109	142	14.7%	21
South Dakota	93	95	2	2.2%	44
Tennessee	1,856	2,075	219	11.8%	27
Texas	6,067	6,846	779	12.8%	24
Utah	529	667	138	26.1%	5
Vermont	225	267	42	18.7%	12
Virginia	1,911	1,981	70	3.7%	43
Washington	1,448	1,703	255	17.6%	14
West Virginia	577	625	48	8.3%	33
Wisconsin	1,443	1,698	255	17.7%	13
Wyoming	40	40	0	0.0%	47

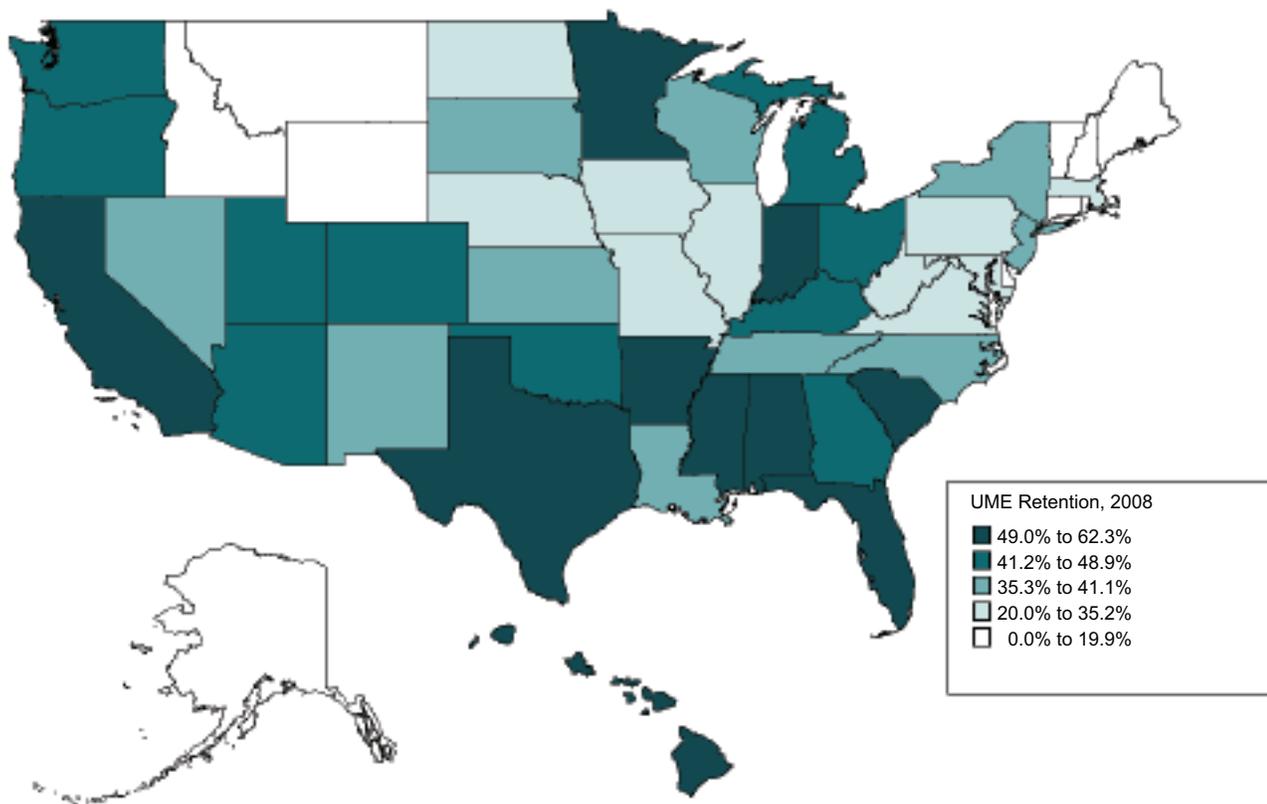
Sources: JAMA.2000;284(9):1161-1162 and JAMA.2009;302(12):1357-1372.

N.R. = Not Ranked

Key Findings – Retention

- Overall, 38.8 percent of medical and osteopathic students end up practicing in the same state where they received their undergraduate medical education (UME). Six of the top 10 states in terms of UME retention were in the South (see Map 10, Figure 17, and Table 17).

Map 10. Percentage of Physicians Retained From UME, 2008

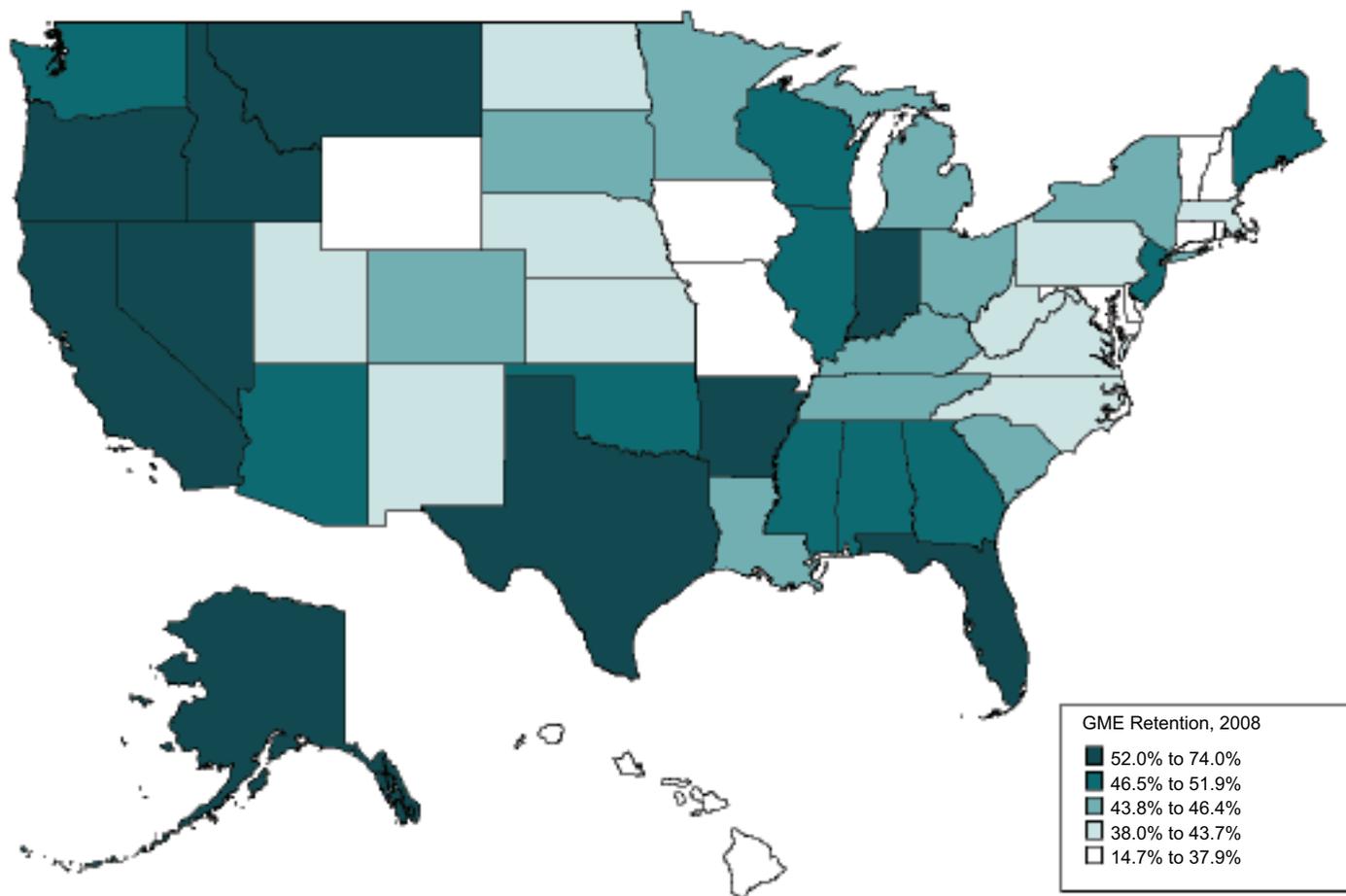


Source: AMA Physician Masterfile (December 31, 2008)

- In 2008, 46.9 percent of the physicians who graduated from a public medical or osteopathic school were practicing in the state from which they graduated (see Figure 18 and Table 18).

- After completing training in an ACGME-accredited program, 47.4 percent of physicians either stayed or returned to the state where they completed GME. Six of the top 10 states with the highest GME retention rates were in the West (see Map 11, Figure 19, and Table 19).

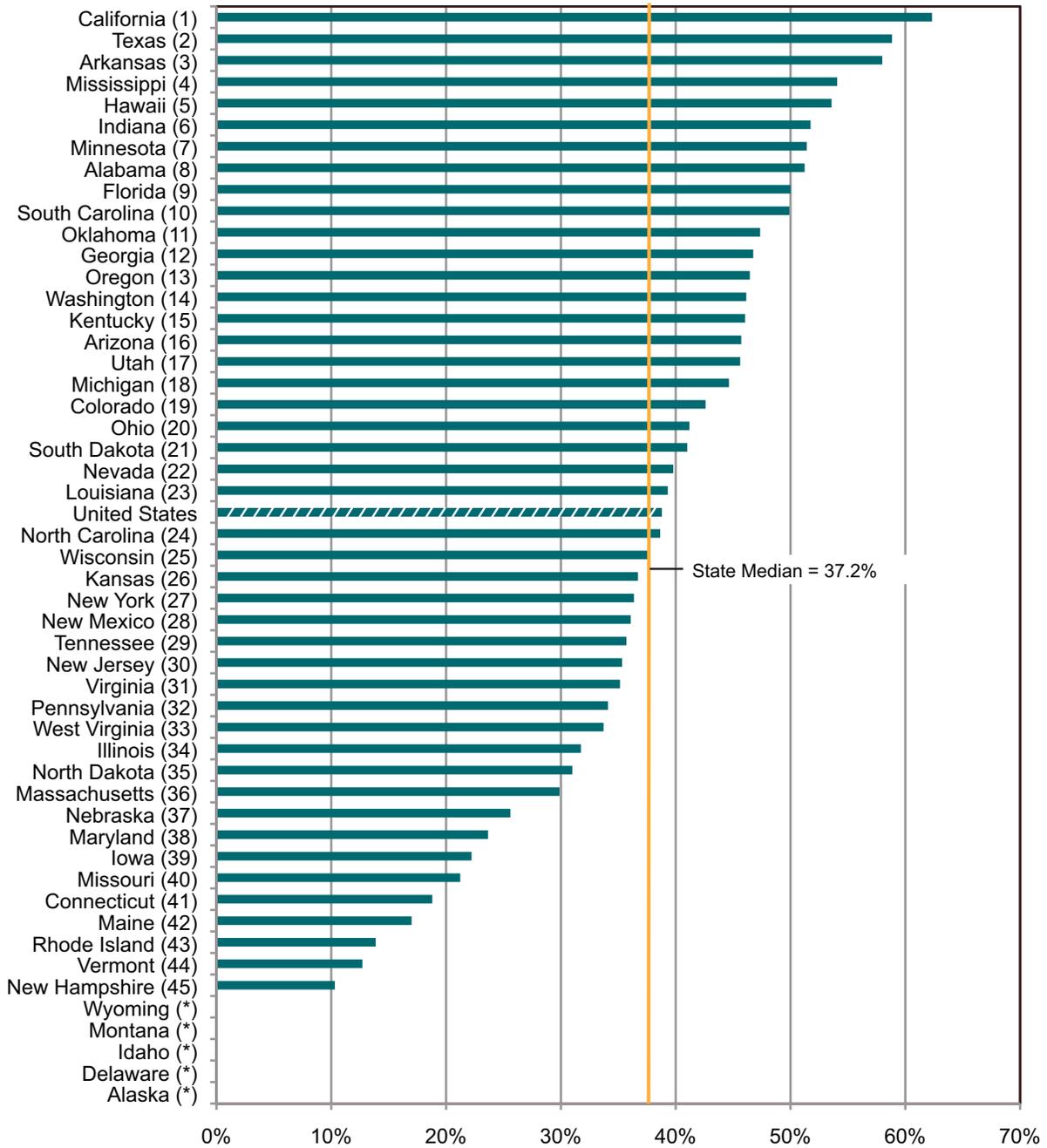
Map 11. Percentage of Residents and Fellows Retained From ACGME Programs, 2008



Source: AMA Physician Masterfile (December 31, 2008)

- Retention rates were highest for physicians who completed both UME and GME in the same state. Two thirds (66.2 percent) of the physicians who completed UME and GME in the same state stayed in state to practice. In terms of overall retention (i.e., UME and GME were completed in the same state), 8 of the top 10 states were in the South and West (see Figure 20, and Table 20).

Figure 17. Physicians Retained from Undergraduate Medical Education (UME)



Source: AMA Physician Masterfile (December 31, 2008)

* State does not have a medical or osteopathic school.

Table 17. Physicians Retained from Undergraduate Medical Education (UME)

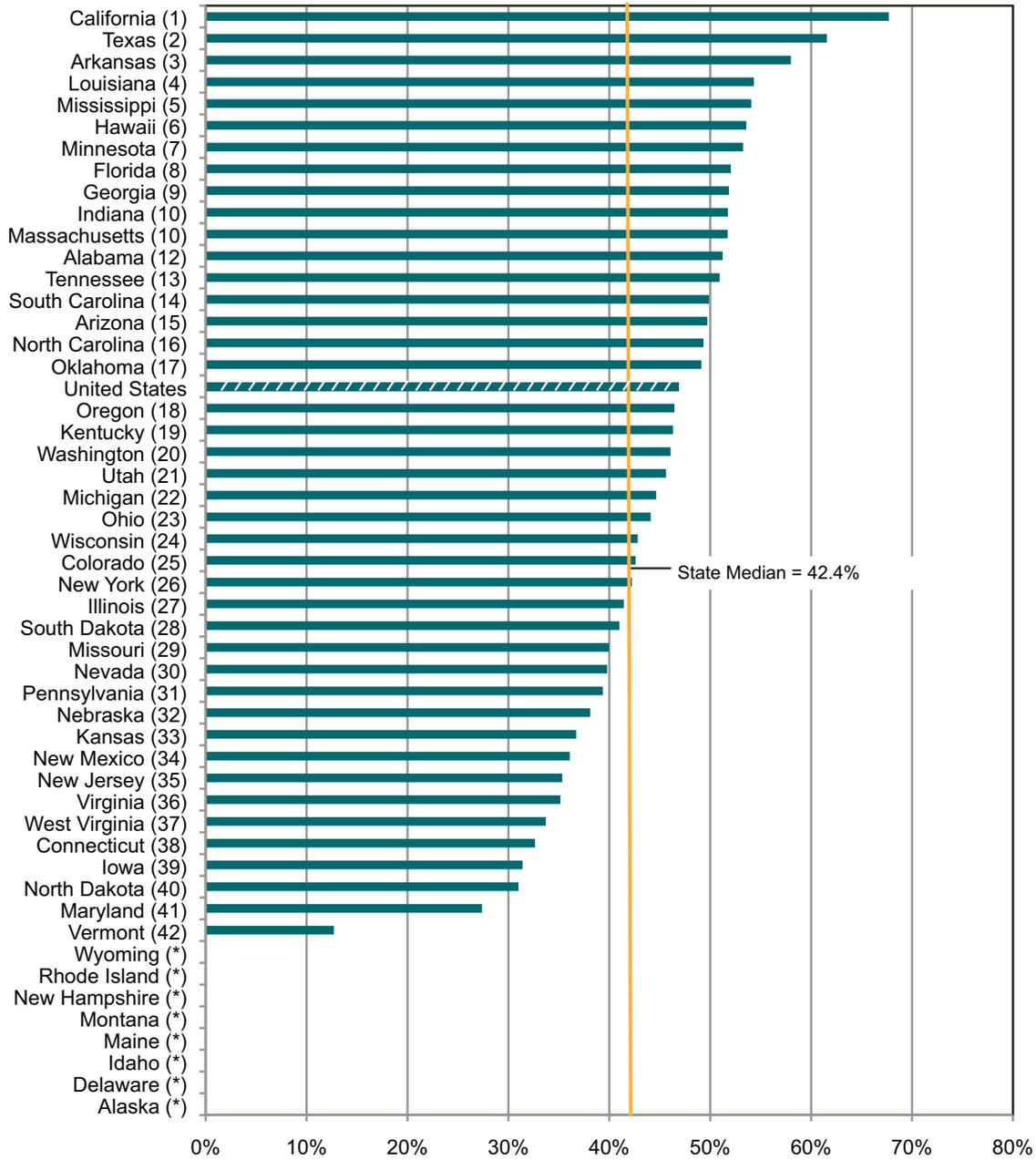
	Active Physicians Who Graduated from Medical or Osteopathic School In-State	Active Physicians Who Graduated from Medical or Osteopathic School In-State and Are Active In-State		
		Number	Percent	Rank
United States	576,332	223,382	38.8%	N.R.
Alabama	6,787	3,477	51.2%	8
Alaska	---	---	---	---
Arizona	3,170	1,449	45.7%	16
Arkansas	4,528	2,626	58.0%	3
California	36,500	22,749	62.3%	1
Colorado	4,476	1,907	42.6%	19
Connecticut	6,075	1,142	18.8%	41
Delaware	---	---	---	---
District of Columbia	15,868	1,003	6.3%	N.R.
Florida	13,524	6,764	50.0%	9
Georgia	11,122	5,200	46.8%	12
Hawaii	1,637	877	53.6%	5
Idaho	---	---	---	---
Illinois	39,533	12,548	31.7%	34
Indiana	9,639	4,988	51.7%	6
Iowa	11,807	2,623	22.2%	39
Kansas	6,150	2,258	36.7%	26
Kentucky	8,139	3,747	46.0%	15
Louisiana	14,328	5,632	39.3%	23
Maine	1,724	293	17.0%	42
Maryland	13,489	3,191	23.7%	38
Massachusetts	20,032	5,985	29.9%	36
Michigan	22,024	9,831	44.6%	18
Minnesota	9,837	5,058	51.4%	7
Mississippi	3,812	2,061	54.1%	4
Missouri	25,942	5,508	21.2%	40
Montana	---	---	---	---
Nebraska	8,570	2,194	25.6%	37
Nevada	1,136	452	39.8%	22
New Hampshire	1,862	192	10.3%	45
New Jersey	9,722	3,435	35.3%	30
New Mexico	2,109	761	36.1%	28
New York	65,015	23,639	36.4%	27
North Carolina	13,680	5,287	38.6%	24
North Dakota	1,368	424	31.0%	35
Ohio	27,736	11,426	41.2%	20
Oklahoma	7,410	3,509	47.4%	11
Oregon	3,586	1,666	46.5%	13
Pennsylvania	45,425	15,489	34.1%	32
Rhode Island	1,896	263	13.9%	43
South Carolina	6,205	3,096	49.9%	10
South Dakota	1,251	513	41.0%	21
Tennessee	13,905	4,965	35.7%	29
Texas	34,619	20,370	58.8%	2
Utah	3,389	1,546	45.6%	17
Vermont	3,061	389	12.7%	44
Virginia	12,392	4,355	35.1%	31
Washington	5,450	2,515	46.1%	14
West Virginia	5,283	1,781	33.7%	33
Wisconsin	11,119	4,198	37.8%	25
Wyoming	---	---	---	---

Source: AMA Physician Masterfile (December 31, 2008)

N.R. = Not Ranked

--- Indicates that the data are not applicable. Some states do not have a medical or osteopathic school.

Figure 18. Physicians Retained from *Public Undergraduate Medical Education*



Source: AMA Physician Masterfile (December 31, 2008)

* State does not have a public medical or osteopathic school.

Table 18. Physicians Retained from *Public Undergraduate Medical Education*

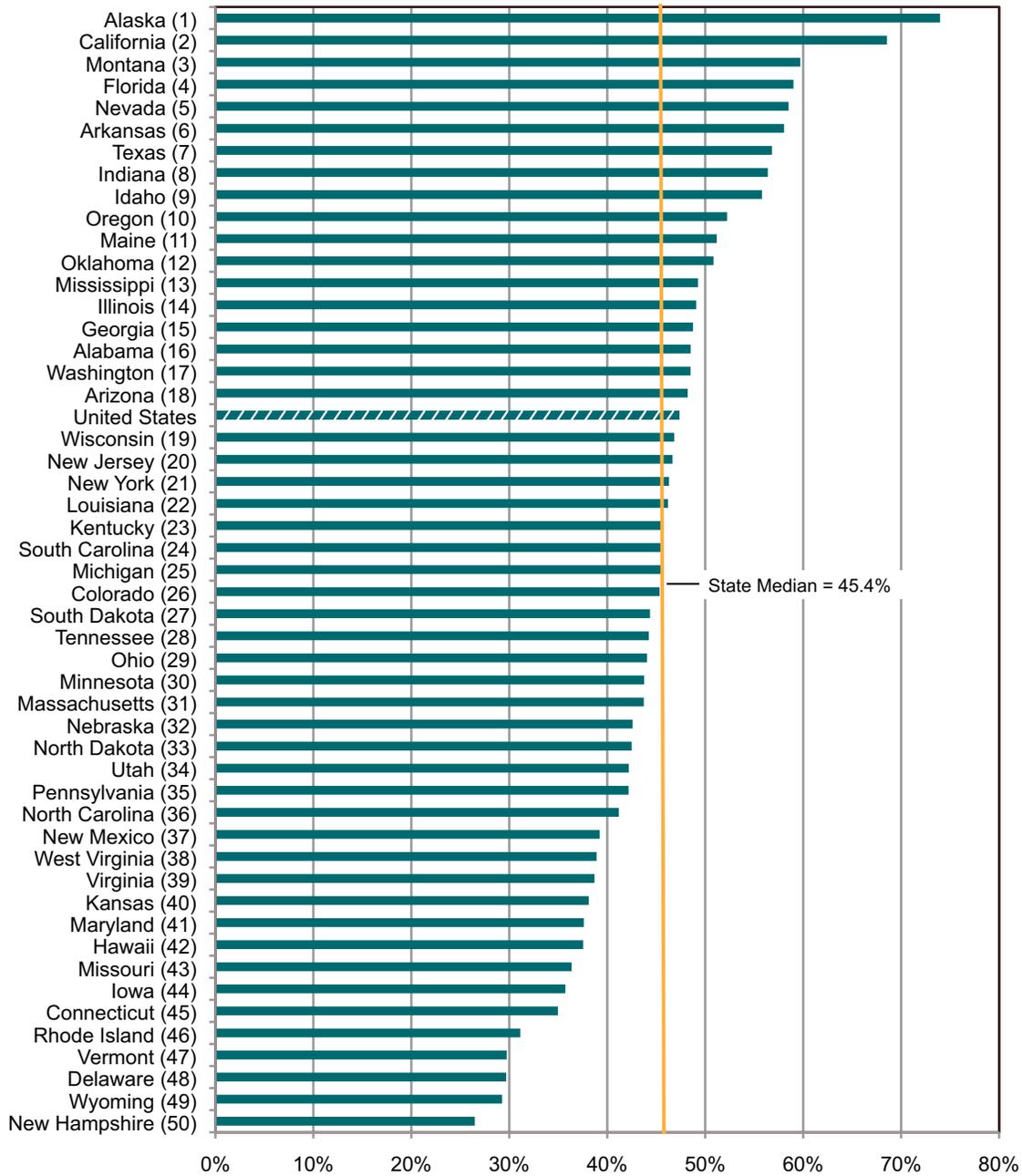
	Active Physicians Who Graduated from Public Medical or Osteopathic School In-State	Active Physicians Who Graduated from Public Medical or Osteopathic School In-State and Are Active In-State		
		Number	Percent	Rank
United States	318,380	149,345	46.9%	N.R.
Alabama	6,787	3,477	51.2%	12
Alaska	---	---	---	---
Arizona	2,657	1,321	49.7%	15
Arkansas	4,528	2,626	58.0%	3
California	20,322	13,759	67.7%	1
Colorado	4,476	1,907	42.6%	25
Connecticut	2,298	750	32.6%	38
Delaware	---	---	---	---
District of Columbia	---	---	---	N.R.
Florida	6,047	3,147	52.0%	8
Georgia	5,894	3,056	51.8%	9
Hawaii	1,637	877	53.6%	6
Idaho	---	---	---	---
Illinois	12,240	5,072	41.4%	27
Indiana	9,639	4,988	51.7%	10
Iowa	5,856	1,839	31.4%	39
Kansas	6,150	2,258	36.7%	33
Kentucky	7,885	3,652	46.3%	19
Louisiana	8,661	4,705	54.3%	4
Maine	---	---	---	---
Maryland	9,108	2,494	27.4%	41
Massachusetts	2,552	1,320	51.7%	10
Michigan	22,024	9,831	44.6%	22
Minnesota	8,765	4,668	53.3%	7
Mississippi	3,812	2,061	54.1%	5
Missouri	5,874	2,348	40.0%	29
Montana	---	---	---	---
Nebraska	4,593	1,750	38.1%	32
Nevada	1,136	452	39.8%	30
New Hampshire	---	---	---	---
New Jersey	9,722	3,435	35.3%	35
New Mexico	2,109	761	36.1%	34
New York	20,823	8,795	42.2%	26
North Carolina	6,361	3,138	49.3%	16
North Dakota	1,368	424	31.0%	40
Ohio	22,740	10,028	44.1%	23
Oklahoma	7,080	3,478	49.1%	17
Oregon	3,586	1,666	46.5%	18
Pennsylvania	2,841	1,118	39.4%	31
Rhode Island	---	---	---	---
South Carolina	6,205	3,096	49.9%	14
South Dakota	1,251	513	41.0%	28
Tennessee	7,655	3,899	50.9%	13
Texas	29,045	17,880	61.6%	2
Utah	3,389	1,546	45.6%	21
Vermont	3,061	389	12.7%	42
Virginia	12,392	4,355	35.1%	36
Washington	5,439	2,506	46.1%	20
West Virginia	5,283	1,781	33.7%	37
Wisconsin	5,089	2,179	42.8%	24
Wyoming	---	---	---	---

Source: AMA Physician Masterfile (December 31, 2008)

N.R. = Not Ranked

--- Indicates that the data are not applicable. Some states do not have a public medical or osteopathic school.

Figure 19. Physicians Retained from GME



Source: AMA Physician Masterfile (December 31, 2008)

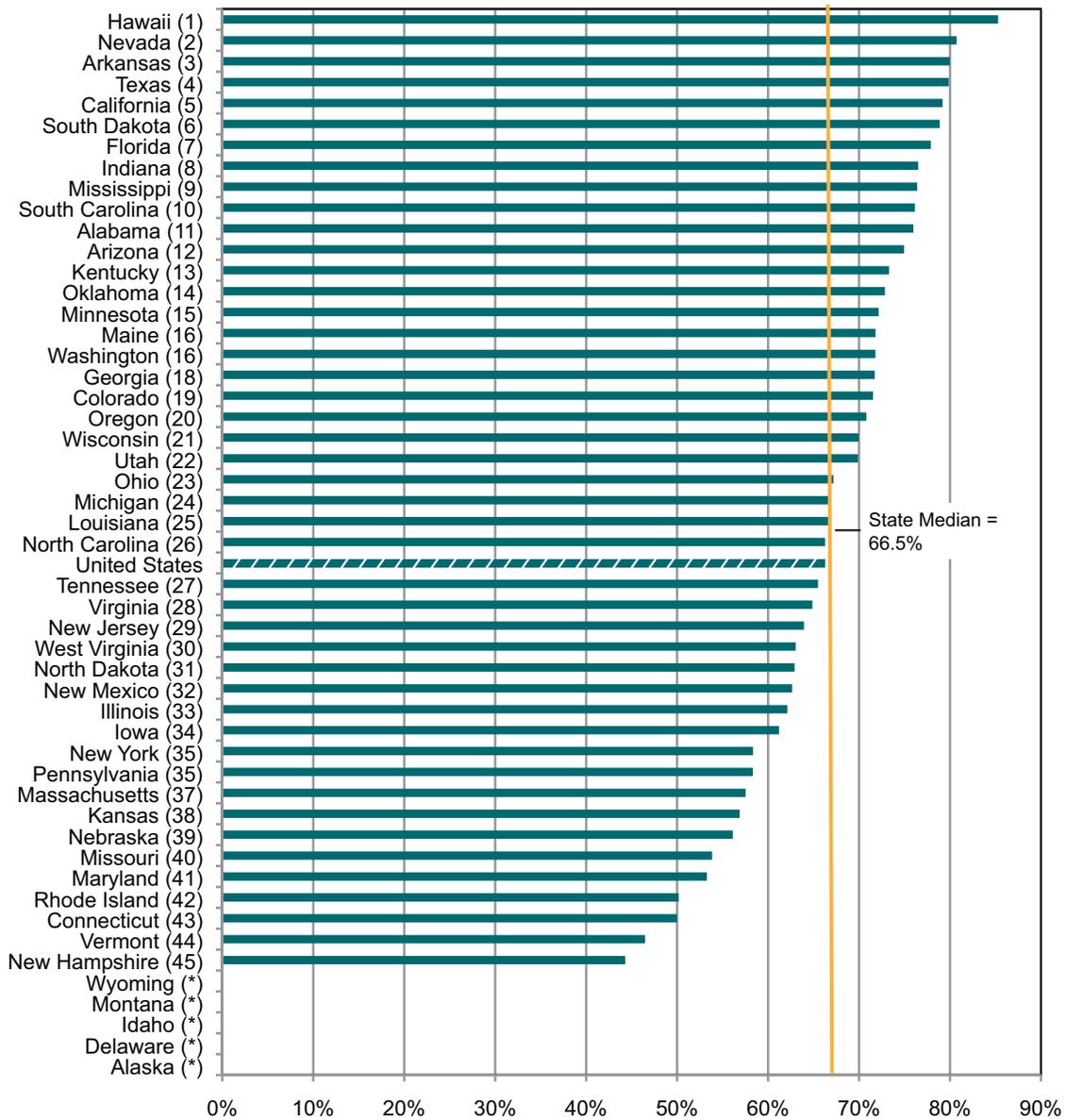
Table 19. Physicians Retained from GME

	Active Physicians Who Completed GME In-State	Active Physicians Who Completed GME In-State and are Active In-State		
		Number	Percent	Rank
United States	733,770	347,455	47.4%	N.R.
Alabama	7,585	3,680	48.5%	16
Alaska	73	54	74.0%	1
Arizona	7,162	3,453	48.2%	18
Arkansas	4,119	2,391	58.0%	6
California	74,106	50,800	68.6%	2
Colorado	9,269	4,203	45.3%	26
Connecticut	12,990	4,541	35.0%	45
Delaware	1,479	439	29.7%	48
District of Columbia	15,755	2,309	14.7%	N.R.
Florida	20,356	12,011	59.0%	4
Georgia	13,229	6,449	48.7%	15
Hawaii	2,896	1,087	37.5%	42
Idaho	285	159	55.8%	9
Illinois	40,259	19,760	49.1%	14
Indiana	9,326	5,259	56.4%	8
Iowa	6,312	2,255	35.7%	44
Kansas	5,493	2,093	38.1%	40
Kentucky	7,249	3,308	45.6%	23
Louisiana	12,066	5,575	46.2%	22
Maine	1,702	871	51.2%	11
Maryland	18,781	7,063	37.6%	41
Massachusetts	33,206	14,520	43.7%	31
Michigan	31,728	14,443	45.5%	25
Minnesota	16,940	7,413	43.8%	30
Mississippi	3,193	1,573	49.3%	13
Missouri	17,211	6,257	36.4%	43
Montana	67	40	59.7%	3
Nebraska	3,853	1,641	42.6%	32
Nevada	793	464	58.5%	5
New Hampshire	1,688	447	26.5%	50
New Jersey	17,682	8,251	46.7%	20
New Mexico	2,856	1,120	39.2%	37
New York	108,322	50,159	46.3%	21
North Carolina	16,679	6,868	41.2%	36
North Dakota	793	337	42.5%	33
Ohio	36,430	16,052	44.1%	29
Oklahoma	5,438	2,765	50.8%	12
Oregon	5,056	2,641	52.2%	10
Pennsylvania	48,487	20,447	42.2%	35
Rhode Island	4,032	1,255	31.1%	46
South Carolina	6,959	3,169	45.5%	24
South Dakota	683	303	44.4%	27
Tennessee	12,923	5,718	44.2%	28
Texas	42,551	24,171	56.8%	7
Utah	4,218	1,780	42.2%	34
Vermont	1,587	472	29.7%	47
Virginia	13,771	5,329	38.7%	39
Washington	10,648	5,165	48.5%	17
West Virginia	3,783	1,472	38.9%	38
Wisconsin	11,373	5,327	46.8%	19
Wyoming	328	96	29.3%	49

Source: AMA Physician Masterfile (December 31, 2008)

N.R. = Not Ranked

Figure 20. Physicians Retained from Undergraduate Medical Education (UME) and GME Combined



Source: AMA Physician Masterfile (December 31, 2008)

* State does not have a medical or osteopathic school.

Table 20. Physicians Retained from Undergraduate Medical Education (UME) and GME Combined

	Active Physicians Who Graduated from Medical or Osteopathic School In State <i>and</i> Completed GME In State	Active Physicians Who Graduated from Medical or Osteopathic School In State, Completed GME In State, and are Active In State		
		Number	Percent	Rank
United States	225,723	149,387	66.2%	N.R.
Alabama	2,868	2,179	76.0%	11
Alaska	---	---	---	---
Arizona	1,114	835	75.0%	12
Arkansas	2,188	1,750	80.0%	3
California	23,227	18,392	79.2%	5
Colorado	1,602	1,146	71.5%	19
Connecticut	1,456	728	50.0%	43
Delaware	---	---	---	---
District of Columbia	3,548	667	18.8%	N.R.
Florida	4,686	3,650	77.9%	7
Georgia	4,098	2,939	71.7%	18
Hawaii	537	458	85.3%	1
Idaho	---	---	---	---
Illinois	14,725	9,146	62.1%	33
Indiana	4,627	3,540	76.5%	8
Iowa	2,317	1,418	61.2%	34
Kansas	2,268	1,290	56.9%	38
Kentucky	2,862	2,098	73.3%	13
Louisiana	5,967	3,978	66.7%	25
Maine	149	107	71.8%	16
Maryland	3,540	1,886	53.3%	41
Massachusetts	7,693	4,426	57.5%	37
Michigan	9,963	6,654	66.8%	24
Minnesota	5,010	3,615	72.2%	15
Mississippi	1,508	1,152	76.4%	9
Missouri	5,484	2,953	53.8%	40
Montana	---	---	---	---
Nebraska	2,179	1,223	56.1%	39
Nevada	166	134	80.7%	2
New Hampshire	149	66	44.3%	45
New Jersey	2,793	1,786	63.9%	29
New Mexico	554	347	62.6%	32
New York	32,776	19,124	58.3%	35
North Carolina	4,339	2,875	66.3%	26
North Dakota	302	190	62.9%	31
Ohio	12,084	8,118	67.2%	23
Oklahoma	2,644	1,926	72.8%	14
Oregon	1,048	742	70.8%	20
Pennsylvania	18,147	10,583	58.3%	35
Rhode Island	275	138	50.2%	42
South Carolina	2,322	1,768	76.1%	10
South Dakota	213	168	78.9%	6
Tennessee	4,746	3,108	65.5%	27
Texas	17,689	14,127	79.9%	4
Utah	903	631	69.9%	22
Vermont	327	152	46.5%	44
Virginia	3,635	2,358	64.9%	28
Washington	1,869	1,342	71.8%	16
West Virginia	1,623	1,023	63.0%	30
Wisconsin	3,503	2,451	70.0%	21
Wyoming	---	---	---	---

Source: AMA Physician Masterfile (December 31, 2008)

N.R. = Not Ranked

--- Indicates that the data are not applicable. Some states do not have a medical or osteopathic school.



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