



# APPENDIX 5

Supplementary Data Tables  
Workforce

Table 5.1: Total Number of Active Physicians<sup>(1)</sup> per 1,000 Persons by State, 2011 and 2012

State	Physicians per 1,000 Persons		State	Physicians per 1,000 Persons	
	11	12		11	12
Alabama	2.14	2.18	Montana	2.21	2.24
Alaska	2.43	2.42	Nebraska	2.47	2.48
Arizona	2.38	2.42	Nevada	1.94	1.96
Arkansas	2.05	2.09	New Hampshire	3.01	3.06
California	2.62	2.69	New Jersey	3.20	3.25
Colorado	2.74	2.76	New Mexico	2.38	2.41
Connecticut	3.65	3.76	New York	3.74	3.83
Delaware	2.64	2.64	North Carolina	2.50	2.54
District of Columbia	7.64	7.38	North Dakota	2.42	2.50
Florida	2.58	2.65	Ohio	2.91	2.95
Georgia	2.19	2.23	Oklahoma	2.09	2.15
Hawaii	2.98	2.97	Oregon	2.90	2.91
Idaho	1.81	1.84	Pennsylvania	3.30	3.31
Illinois	2.85	2.87	Rhode Island	3.78	3.82
Indiana	2.22	2.26	South Carolina	2.30	2.34
Iowa	2.17	2.20	South Dakota	2.31	2.38
Kansas	2.43	2.45	Tennessee	2.64	2.68
Kentucky	2.32	2.33	Texas	2.18	2.23
Louisiana	2.60	2.68	Utah	2.15	2.19
Maine	3.17	3.20	Vermont	3.57	3.62
Maryland	3.93	3.95	Virginia	2.71	2.72
Massachusetts	4.45	4.46	Washington	2.71	2.74
Michigan	2.94	3.01	West Virginia	2.56	2.60
Minnesota	3.00	3.03	Wisconsin	2.68	2.73
Mississippi	1.85	1.86	Wyoming	1.93	1.92
Missouri	2.71	2.74			

Source: National Center for Health Statistics. (2015). *Health, United States, 2014*. Hyattsville, MD.  
<sup>(1)</sup> Includes active federal and non-federal doctors of medicine and active doctors of osteopathy.

Data for Chart 5.2



Table 5.2: Number of Physicians and Dentists<sup>(1)</sup> Employed by Community Hospitals, 1998 – 2013

Year	Residents
1998	157,421
1999	159,034
2000	158,057
2001	157,312
2002	161,467
2003	159,801
2004	169,251
2005	173,544
2006	179,420
2007	194,641
2008	199,289
2009	208,382
2010	212,418
2011	225,771
2012	233,025
2013	244,830

Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2013, for community hospitals.  
<sup>(1)</sup> Includes full-time and part-time physicians, dentists, medical interns and residents, and dental interns and residents.

Data for Chart 5.3

Table 5.3: Medical and Dental Residents<sup>(1)</sup> in Training in Community Hospitals, 1993 – 2013

Year	Residents
1993	73,377
1994	74,027
1995	78,137
1996	77,160
1997	75,398
1998	78,345
1999	77,796
2000	77,411
2001	77,731
2002	78,715
2003	77,813
2004	84,628
2005	83,823
2006	85,320
2007	92,311
2008	90,543
2009	94,729
2010	95,270
2011	99,458
2012	102,904
2013	107,029

Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2013, for community hospitals.

<sup>(1)</sup> Includes full-time equivalent interns and residents.  
 Previously Table 5.2 in 2014 and earlier years' Chartbooks.

Data for Chart 5.4

Table 5.4: Total Full-time Equivalent Employees Working in Hospitals and Full-time Equivalents per Adjusted Admission,<sup>(1)</sup> 1993 – 2013

Year	FTE Personnel	FTE per Adjusted Admission
1993	3,674,250	0.085
1994	3,690,905	0.083
1995	3,707,958	0.081
1996	3,724,843	0.079
1997	3,789,752	0.078
1998	3,831,068	0.077
1999	3,837,964	0.075
2000	3,911,412	0.073
2001	3,987,274	0.073
2002	4,069,495	0.072
2003	4,108,628	0.071
2004	4,147,941	0.070
2005	4,256,899	0.070
2006	4,343,480	0.071
2007	4,465,028	0.072
2008	4,549,560	0.071
2009	4,584,624	0.070
2010	4,599,752	0.070
2011	4,649,615	0.070
2012	4,730,948	0.070
2013	4,786,087	0.071

Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2013, for community hospitals.

<sup>(1)</sup> An aggregate measure of workload reflecting the number of inpatient admissions, plus an estimate of the volume of outpatient services, expressed in units equivalent to an inpatient admission in terms of level of effort.

Previously Table 5.3 in 2014 and earlier years' Chartbooks.

Data for Charts 5.5 and 5.6

Table 5.5: Number of RN Full-time Equivalent Employees, RN Full-time Equivalent Employees per Adjusted Admission and RN Full-time Equivalents as a Percentage of Total FTEs, 1993 – 2013

Year	RN FTEs (thousands)	RN FTEs per Adjusted Admission	RN FTEs as a Percent of Total FTEs
1993	874.1	0.0201	23.8%
1994	890.9	0.0201	24.1%
1995	893.7	0.0195	24.1%
1996	895.1	0.0190	24.0%
1997	901.2	0.0185	23.8%
1998	929.7	0.0186	24.3%
1999	938.1	0.0182	24.4%
2000	957.6	0.0179	24.5%
2001	958.0	0.0174	24.0%
2002	988.1	0.0174	24.3%
2003	1,021.3	0.0177	24.9%
2004	1,053.1	0.0179	25.4%
2005	1,094.2	0.0181	25.7%
2006	1,138.6	0.0185	26.2%
2007	1,191.2	0.0192	26.7%
2008	1,228.4	0.0192	27.0%
2009	1,268.7	0.0194	27.7%
2010	1,293.9	0.0197	28.1%
2011	1,313.6	0.0197	28.3%
2012	1,351.2	0.0200	28.6%
2013	1,366.4	0.0204	28.5%

Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2013, for community hospitals. Previously Table 5.4 in 2014 and earlier years' Chartbooks.

Data for Charts 5.7 and 5.8



Table 5.6: Number of Physicians<sup>(1)</sup> by Age, 1980, 1990, 2000 and 2013

Age Group	1980	1990	2000	2013
Under 35	128,506	134,872	136,704	155,294
35-44	118,840	184,743	211,873	221,003
45-54	88,063	116,803	201,646	215,374
55-64	68,239	83,614	118,608	212,598
65 & Over	64,031	95,389	144,939	241,641
<b>Total # of Physicians</b>	<b>467,679</b>	<b>615,421</b>	<b>813,770</b>	<b>1,045,910</b>

Source: American Medical Association. (2015 Edition). *Physician Characteristics and Distribution in the US*.

<sup>(1)</sup> Includes inactive physicians and residents.  
Previously Table 5.5 in 2014 and earlier years' Chartbooks.

Data for Chart 5.9

Table 5.7: RN Employment by Type of Provider, 2000 and 2008 – 2010<sup>(1)</sup>

	2000	2008-2010
<b>Percent Employed by Hospitals</b>	62.7%	63.2%
<b>Percent Employed by Nursing Homes/Extended Care Facilities<sup>(2)</sup></b>	8.8%	7.7%
<b>Percent Employed by Public/Community Health<sup>(3)</sup></b>	7.4%	6.6%
<b>All Other<sup>(4)</sup></b>	21.1%	22.5%

Source: Bureau of Health Professions, Health Resources and Services Administration. (2013). *The U.S. Nursing Workforce: Trends in Supply and Education*.

Link: <http://bhpr.hrsa.gov/healthworkforce/supplydemand/nursing/nursingworkforce/nursingworkforcefullreport.pdf>.

<sup>(1)</sup> Total percent by setting may not equal the estimated total of all registered nurses due to incomplete information provided by respondents and the effect of rounding.

<sup>(2)</sup> Category includes nursing care facilities and residential care facilities, without nursing.

<sup>(3)</sup> Category includes home health care services, elementary and secondary schools and justice, public order and safety activities.

<sup>(4)</sup> Category includes offices of physicians, outpatient care centers, other health care services, employment services, insurance carriers and related activities, administration of human resource programs, offices of other health practitioners, colleges and universities (including junior colleges) and all other settings.

Previously Table 5.6 in 2014 and earlier years' Chartbooks.

Data for Chart 5.10

Table 5.8: Distribution of RN Workforce by Age Group, 1980 – 2008

Age Group	1980	1990	2000	2004	2008
20s	321,316	252,890	247,123	233,437	288,184
30s	320,101	536,442	614,728	532,707	613,971
40s	224,468	419,766	935,866	916,956	791,932
50s	171,240	206,647	585,497	801,643	892,952
60s	36,716	46,372	313,675	395,450	389,796
Total # of RNs	1,073,841	1,462,117	2,696,890	2,880,193	2,976,835

Source: Bureau of Health Professions, Health Resources and Services Administration. (1980-2004). *Findings from the National Survey of Registered Nurses*. Link: <http://bhpr.hrsa.gov/healthworkforce/supplydemand/nursing/rnsamplesurvey/rnsurvey2004.pdf>. Bureau of Health Professions, Health Resources and Services Administration. (2010). *Findings from the 2008 National Sample Survey of Registered Nurses*. Link: <http://bhpr.hrsa.gov/healthworkforce/rnsurveys/rnsurveyfinal.pdf>. Previously Table 5.7 in 2014 and earlier years' Chartbooks.

Data for Chart 5.11





Table 5.9: National Supply and Demand Projections for FTE RNs, 2018 – 2025

Year	RN FTE Supply	RN FTE Demand
2018	2,703,969	2,719,954
2019	2,716,771	2,771,930
2020	2,727,231	2,824,900
2021	2,737,616	2,874,900
2022	2,750,080	2,924,900
2023	2,771,303	2,974,900
2024	2,790,241	3,024,900
2025	2,816,303	3,074,900

Source: Copyrighted and published by Project HOPE/*Health Affairs* as Buerhaus PI, Auerbach DI, Staiger DO. The Recent Surge In Nurse Employment: Causes and Implications. *Health Affairs*, 2009; 28(4):w657-68. The published article is archived and available online at [www.healthaffairs.org](http://www.healthaffairs.org). Previously Table 5.8 in 2014 and earlier years' Chartbooks.

Data for Chart 5.13

