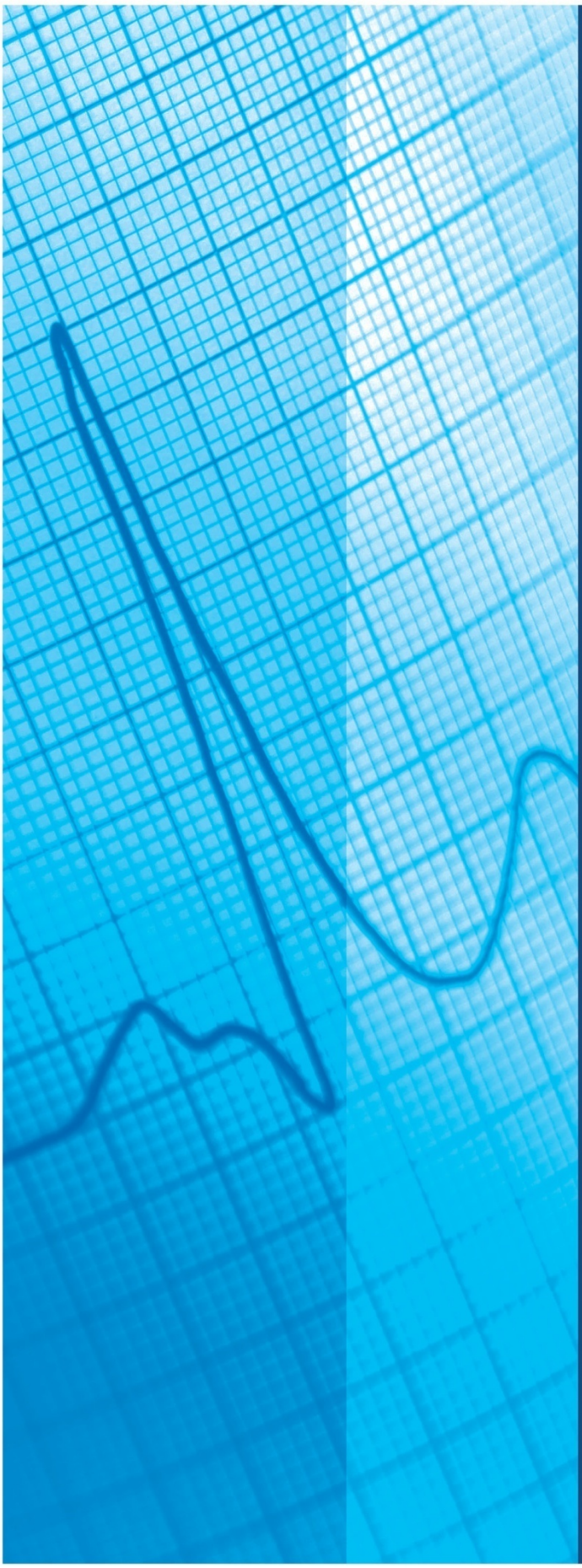

APPENDIX 5

Supplementary Data Tables
Workforce

Table 5.1: Total Number of Active Physicians[1] per 1,000 Persons by State, 2009 and 2010

State	Physicians per 1,000 Persons		State	Physicians per 1,000 Persons	
	09	10		09	10
Alabama	2.15	2.14	Montana	2.29	2.25
Alaska	2.41	2.43	Nebraska	2.50	2.45
Arizona	2.26	2.26	Nevada	1.98	1.98
Arkansas	2.04	2.02	New Hampshire	2.92	2.95
California	2.62	2.61	New Jersey	3.25	3.18
Colorado	2.69	2.69	New Mexico	2.41	2.38
Connecticut	3.66	3.60	New York	3.73	3.64
Delaware	2.63	2.63	North Carolina	2.50	2.50
District of Columbia	7.41	7.69	North Dakota	2.51	2.50
Florida	2.60	2.60	Ohio	2.83	2.85
Georgia	2.13	2.13	Oklahoma	2.10	2.10
Hawaii	3.17	3.13	Oregon	2.80	2.83
Idaho	1.83	1.84	Pennsylvania	3.27	3.26
Illinois	2.78	2.79	Rhode Island	3.70	3.71
Indiana	2.23	2.22	South Carolina	2.28	2.33
Iowa	2.28	2.18	South Dakota	2.34	2.30
Kansas	2.40	2.40	Tennessee	2.62	2.60
Kentucky	2.31	2.31	Texas	2.16	2.15
Louisiana	2.53	2.54	Utah	2.10	2.10
Maine	3.15	3.18	Vermont	3.59	3.57
Maryland	3.99	3.91	Virginia	2.74	2.70
Massachusetts	4.33	4.34	Washington	2.70	2.71
Michigan	2.88	2.89	West Virginia	2.58	2.55
Minnesota	2.89	3.01	Wisconsin	2.65	2.68
Mississippi	1.82	1.83	Wyoming	1.97	1.97
Missouri	2.61	2.63			

Source: National Center for Health Statistics. (2013). *Health, United States, 2012.* Hyattsville, MD.

[1] Includes active federal and non-federal doctors of medicine and active doctors of osteopathy.

Data for Chart 5.2

Table 5.2: Medical and Dental Residents[1] in Training in Community Hospitals, 1991 – 2011

Year	Residents
1991	67,189
1992	69,111
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

Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2011, for community hospitals.

(1) Includes full-time equivalent interns and residents.

Data for Chart 5.3

Table 5.3: Total Full-time Equivalent Employees Working in Hospitals and Full-time Equivalents per Adjusted Admission,[1] 1991 – 2011

Year	FTE Personnel	FTE per Adjusted Admission
1991	3,530,623	0.084
1992	3,615,145	0.084
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

Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2011, for community hospitals.

[1] 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.

Data for Charts 5.4 and 5.5

Table 5.4: 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, 1991 – 2011

Year	RN FTEs (thousands)	RN FTEs per Adjusted Admission	RN FTEs as a Percent of Total FTEs
1991	840.5	0.0200	23.8%
1992	858.9	0.0201	23.8%
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%

Source: Avalere Health analysis of American Hospital Association Annual Survey data, 2011, for community hospitals.

Data for Charts 5.6 and 5.7

Table 5.5: Number of Physicians[1] by Age, 1980, 1990, 2000, and 2011

Age Group	1980	1990	2000	2011
Under 35	128,506	134,872	136,704	149,532
35-44	118,840	184,743	211,873	217,425
45-54	88,063	116,803	201,646	216,818
55-64	68,239	83,614	118,608	204,558
65 & Over	64,031	95,389	144,939	216,302
Total # of Physicians	467,679	615,421	813,770	1,004,635

Source: American Medical Association. (2013 Edition). *Physician Characteristics and Distribution in the US.*
[1] Includes inactive physicians and residents.

Data for Chart 5.8

Table 5.6: RN Employment by Type of Provider, 1980 – 2008[1]

	1980	1984	1988	1992	1996	2000	2004	2008
Percent Employed by Hospitals	65.9%	68.2%	68.0%	66.7%	60.1%	59.3%	57.4%	62.2%
Percent Employed by Nursing Homes/ Extended Care Facilities	3.8%	2.7%	1.8%	2.0%	2.3%	2.1%	2.7%	3.8%
Percent Employed by Public/Community Health	12.5%	11.3%	11.1%	13.5%	17.2%	18.3%	15.2%	14.2%
All Other	17.8%	17.8%	19.0%	17.8%	20.5%	20.2%	24.8%	19.7%

Source: Source: 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/rnsurvey/2008/nssrn2008.pdf.
[1] 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.

Data for Chart 5.9

Table 5.7: 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/rnsurvey04/2.htm#age. 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/rnsurvey/2008/nssrn2008.pdf.

Data for Chart 5.10

Table 5.8: 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.

Data for Chart 5.12