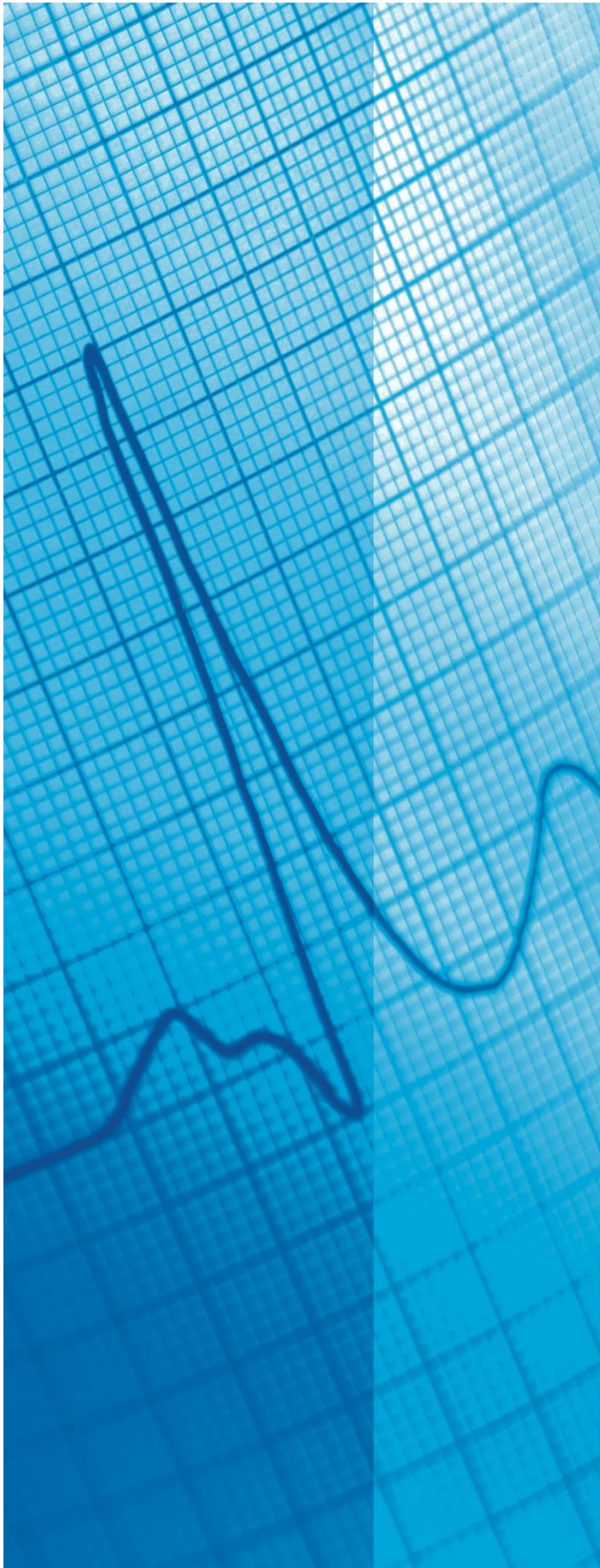


APPENDICES



APPENDIX 1

Supplementary Data Tables
Trends in the Overall
Health Care Market

Table 1.1: Total National Health Expenditures, 1980 – 2016⁽¹⁾

Year	Total National Health Expenditures				Prescription Drugs Total	
	Total		Per Capita		Nominal Dollars (billions)	Real Dollars ⁽²⁾ (billions)
	Nominal Dollars (billions)	Real Dollars ⁽²⁾ (billions)	Nominal Dollars	Real Dollars ⁽²⁾		
1980	\$255.3	\$255.3	\$1,110	\$1,110	\$12.0	\$12.0
1981	\$296.2	\$268.5	\$1,271	\$1,152	\$13.4	\$12.1
1982	\$334.0	\$285.2	\$1,421	\$1,214	\$15.0	\$12.8
1983	\$367.8	\$304.3	\$1,552	\$1,284	\$17.3	\$14.3
1984	\$405.0	\$321.2	\$1,695	\$1,344	\$19.6	\$15.6
1985	\$442.9	\$339.2	\$1,830	\$1,402	\$21.8	\$16.7
1986	\$474.7	\$356.9	\$1,945	\$1,463	\$24.3	\$18.3
1987	\$516.5	\$374.7	\$2,100	\$1,523	\$26.9	\$19.5
1988	\$579.3	\$403.5	\$2,336	\$1,627	\$30.6	\$21.3
1989	\$644.8	\$428.5	\$2,569	\$1,707	\$34.8	\$23.1
1990	\$721.4	\$454.8	\$2,840	\$1,791	\$40.3	\$25.4
1991	\$788.1	\$476.8	\$3,066	\$1,855	\$44.4	\$26.9
1992	\$854.1	\$501.6	\$3,285	\$1,929	\$47.0	\$27.6
1993	\$916.6	\$522.7	\$3,485	\$1,987	\$49.6	\$28.3
1994	\$967.2	\$537.8	\$3,636	\$2,022	\$53.0	\$29.5
1995	\$1,021.6	\$552.4	\$3,812	\$2,061	\$59.8	\$32.3
1996	\$1,074.4	\$564.3	\$3,965	\$2,082	\$68.1	\$35.8
1997	\$1,135.5	\$583.0	\$4,144	\$2,128	\$77.6	\$39.9
1998	\$1,202.0	\$607.6	\$4,339	\$2,194	\$88.5	\$44.7
1999	\$1,278.3	\$632.2	\$4,582	\$2,266	\$104.6	\$51.7
2000	\$1,369.1	\$655.1	\$4,855	\$2,323	\$121.0	\$57.9
2001	\$1,486.2	\$691.5	\$5,218	\$2,428	\$139.0	\$64.7
2002	\$1,628.6	\$746.0	\$5,666	\$2,595	\$157.9	\$72.3
2003	\$1,767.6	\$791.6	\$6,096	\$2,730	\$176.7	\$79.1
2004	\$1,895.7	\$826.9	\$6,479	\$2,826	\$192.8	\$84.1
2005	\$2,023.7	\$853.8	\$6,854	\$2,892	\$205.2	\$86.6
2006	\$2,156.2	\$881.3	\$7,232	\$2,956	\$224.1	\$91.6
2007	\$2,295.3	\$912.2	\$7,627	\$3,031	\$235.7	\$93.7
2008	\$2,399.1	\$918.2	\$7,897	\$3,022	\$241.5	\$92.4
2009	\$2,495.4	\$958.4	\$8,143	\$3,128	\$252.7	\$97.1
2010	\$2,598.8	\$982.0	\$8,412	\$3,179	\$253.1	\$95.6
2011	\$2,689.3	\$985.1	\$8,644	\$3,166	\$258.8	\$94.8
2012	\$2,797.3	\$1,003.9	\$8,924	\$3,203	\$259.2	\$93.0
2013	\$2,879.0	\$1,018.3	\$9,121	\$3,226	\$265.2	\$93.8
2014	\$3,026.2	\$1,053.3	\$9,515	\$3,312	\$298.0	\$103.7
2015	\$3,200.8	\$1,112.8	\$9,994	\$3,474	\$324.5	\$112.8
2016	\$3,337.2	\$1,145.7	\$10,348	\$3,553	\$328.6	\$112.8

Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 6, 2017.

⁽¹⁾ CMS completed a benchmark revision in 2009, introducing changes in methods, definitions and source data that are applied to the entire time series (back to 1960). For more information on this revision, see <http://www.cms.gov/nationalhealthexpenddata/downloads/benchmark2009.pdf>.

⁽²⁾ Expressed in 1980 dollars; adjusted using the overall Consumer Price Index for Urban Consumers.

Data for Charts 1.1, 1.3 and 1.10



Table 1.2: National Health Expenditures,⁽¹⁾ 1980 – 2025⁽²⁾

Year	Expenditures (billions)
1980	\$255.8
1990	\$724.3
2000	\$1,369.1
2001	\$1,486.2
2002	\$1,628.6
2003	\$1,767.6
2004	\$1,895.7
2005	\$2,023.7
2006	\$2,156.2
2007	\$2,295.3
2008	\$2,399.1
2009	\$2,495.4
2010	\$2,598.8
2011	\$2,689.3
2012	\$2,797.3
2013	\$2,879.0
2014	\$3,026.2
2015	\$3,200.8
2016	\$3,337.2
2017	\$3,539.3
2018	\$3,745.7
2019	\$3,965.5
2020	\$4,196.7
2021	\$4,441.8
2022	\$4,700.4
2023	\$4,972.2
2024	\$5,254.6
2025	\$5,548.8

Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 6, 2017.

⁽¹⁾ Years 2015 – 2025 are projections.

⁽²⁾ CMS completed a benchmark revision in 2009, introducing changes in methods, definitions and source data that are applied to the entire time series (back to 1960). For more information on this revision, see <http://www.cms.gov/nationalhealthexpenddata/downloads/benchmark2009.pdf>.

Data for Chart 1.7



Table 1.3: Consumer Out-of-pocket Payments for National Health Expenditures, 1995 – 2016⁽¹⁾

Year	Payment (billions)
1995	\$144.8
1996	\$150.4
1997	\$161.4
1998	\$176.9
1999	\$187.7
2000	\$198.9
2001	\$206.2
2002	\$219.3
2003	\$235.6
2004	\$248.5
2005	\$263.8
2006	\$273.3
2007	\$290.0
2008	\$295.2
2009	\$293.7
2010	\$299.7
2011	\$310.0
2012	\$318.3
2013	\$325.2
2014	\$330.1
2015	\$339.3
2016	\$352.5

Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 6, 2017.

⁽¹⁾ CMS completed a benchmark revision in 2009, introducing changes in methods, definitions and source data that are applied to the entire time series (back to 1960). For more information on this revision, see <http://www.cms.gov/nationalhealthexpenddata/downloads/benchmark2009.pdf>.

Data for Chart 1.8



Table 1.4: Consumer Out-of-pocket Spending vs. Private Health Insurance Spending for Prescription Drugs, 1995 – 2016⁽¹⁾

Year	Out-of-pocket Payment (billions)	Private Health Insurance (billions)
1995	\$23.2	\$24.5
1996	\$24.2	\$30.1
1997	\$25.7	\$36.2
1998	\$27.5	\$42.6
1999	\$30.5	\$52.1
2000	\$33.6	\$61.1
2001	\$36.4	\$71.2
2002	\$40.8	\$79.8
2003	\$45.5	\$87.0
2004	\$48.1	\$95.1
2005	\$51.3	\$102.1
2006	\$51.2	\$102.0
2007	\$52.2	\$106.9
2008	\$49.6	\$109.7
2009	\$49.1	\$116.2
2010	\$45.2	\$116.1
2011	\$45.2	\$117.0
2012	\$45.1	\$112.9
2013	\$43.5	\$113.6
2014	\$44.8	\$128.1
2015	\$45.5	\$141.5
2016	\$45.0	\$142.6

Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 6, 2017.

⁽¹⁾ CMS completed a benchmark revision in 2009, introducing changes in methods, definitions and source data that are applied to the entire time series (back to 1960). For more information on this revision, see <http://www.cms.gov/nationalhealthexpenddata/downloads/benchmark2009.pdf>.

Data for Chart 1.10



Table 1.5: Number and Percent Uninsured, 1995 – 2016

Year	Number (millions)	Percent
1995	40.6	15.4%
1996	41.7	15.6%
1997	43.4	16.1%
1998	44.3	16.3%
1999	40.2	14.5%
2000	39.8	14.2%
2001	41.2	14.6%
2002	43.6	15.2%
2003	45.0	15.6%
2004	43.5	14.9%
2005	44.8	15.3%
2006	47.0	15.8%
2007	45.7	15.3%
2008	46.3	15.4%
2009	49.0	16.7%
2010	49.9	16.3%
2011	48.6	15.7%
2012	48.0	15.4%
2013	41.8	13.3%
2014	33.0	10.4%
2015	29.0	9.1%
2016	27.6	8.6%

Source: US Census Bureau, Health Insurance Coverage in the United States: 2016. Data released September 2017. Figure HIC-4. HIC-4. Health Insurance Coverage Status and Type of Coverage by State--All Persons: 2008 to 2016. Link: https://www2.census.gov/programs-surveys/demo/tables/health-insurance/time-series/acs/hic04_acs.xls

Data for Chart 1.13

Table 1.6: Average Percent Uninsured by State⁽¹⁾, 2015 – 2016

State	Average Percent Uninsured	State	Average Percent Uninsured
Alabama	9.1%	Montana	8.1%
Alaska	14.0%	Nebraska	8.6%
Arizona	10.0%	Nevada	11.4%
Arkansas	7.9%	New Hampshire	5.9%
California	7.3%	New Jersey	8.0%
Colorado	7.5%	New Mexico	9.2%
Connecticut	4.9%	New York	6.1%
Delaware	5.7%	North Carolina	10.4%
District of Columbia	3.9%	North Dakota	7.0%
Florida	12.5%	Ohio	5.6%
Georgia	12.9%	Oklahoma	13.8%
Hawaii	3.5%	Oregon	6.2%
Idaho	10.1%	Pennsylvania	5.6%
Illinois	6.5%	Rhode Island	4.3%
Indiana	8.1%	South Carolina	10.0%
Iowa	4.3%	South Dakota	8.7%
Kansas	8.7%	Tennessee	9.0%
Kentucky	5.1%	Texas	16.6%
Louisiana	10.3%	Utah	8.8%
Maine	8.0%	Vermont	3.7%
Maryland	6.1%	Virginia	8.7%
Massachusetts	2.5%	Washington	6.0%
Michigan	5.4%	West Virginia	5.3%
Minnesota	4.1%	Wisconsin	5.3%
Mississippi	11.8%	Wyoming	11.5%
Missouri	8.9%		

Source: US Census Bureau, Health Insurance Coverage in the United States: 2016. Data released September 2017. Figure HIC-4. HIC-4. Health Insurance Coverage Status and Type of Coverage by State--All Persons: 2008 to 2016. Link: https://www2.census.gov/programs-surveys/demo/tables/health-insurance/time-series/acs/hic04_acs.xls
⁽¹⁾Average percent uninsured represents a weighted average of the uninsured rate for the years indicated.

Data for Chart 1.14

Table 1.7: Medicaid Enrollees,⁽¹⁾ 1990, 1995, 2000, 2005, 2010 – 2018

Year	Aged (millions)	Blind/ Disabled (millions)	Children (millions)	Adults (millions)	Other Title XIX ⁽²⁾ (millions)	Total ⁽⁴⁾ (millions)
1990	3.2	3.7	11.2	6.0	1.1	25.2
1995	4.2	6.0	17.6	7.8	0.6	36.2
2000	4.6	7.5	22.0	10.4		44.5
2005	5.4	9.4	28.3	15.5		58.6
2010	5.5	10.4	33.5	18.3		67.7
2011	5.0	11.0	33.0	18.0		67.0
2012	6.0	11.0	34.0	20.0		71.0
2013	6.0	11.0	34.0	21.0		72.0
2014 ⁽³⁾	6.3	11.3	38.8	23.8		80.0
2015	7.7	12.8	42.1	34.5		97.0
2016	7.7	11.5	43.4	34.5		97.0
2017	7.6	11.5	43.3	34.4		98.0
2018	7.6	11.4	43.2	34.3		99.0

Source: Congressional Budget Office. Data released January 2017. Detail of Spending and Enrollment for CBO's January 2017 Baseline: Medicaid. Link: <https://www.cbo.gov/sites/default/files/recurringdata/51301-2017-01-medicaid.pdf>.

- (1) Does not include CHIP enrollees.
- (2) In 1997, the Other Title XIX category was dropped and the enrollees therein were subsumed in the remaining categories. Other Title XIX enrollees referred to others who received Medicaid benefits.
- (3) For 2014 onward, CBO changed from reporting annual enrollment to average monthly enrollment. Therefore, category values are derived from the total ever enrolled.
- (4) Parts may not sum to total due to rounding.

Data for Chart 1.16



Table 1.8: Percent Change in CHIP Enrollment by State, FY 2015 – FY 2016

State	Percent Change FY 15 – FY 16	State	Percent Change FY 15 - FY 16
Alabama	12.8%	Montana	-1.3%
Alaska	53.8%	Nebraska	-11.5%
Arizona	127.3%	Nevada	11.4%
Arkansas	7.8%	New Hampshire	7.8%
California	5.8%	New Jersey	7.3%
Colorado	20.4%	New Mexico	-12.2%
Connecticut	2.7%	New York	8.5%
Delaware	8.8%	North Carolina	9.3%
District of Columbia	30.6%	North Dakota	0.0%
Florida	-12.4%	Ohio	23.5%
Georgia	0.5%	Oklahoma	-1.5%
Hawaii	-5.4%	Oregon	15.5%
Idaho	4.2%	Pennsylvania	16.3%
Illinois	-1.4%	Rhode Island	15.8%
Indiana	14.3%	South Carolina	-17.0%
Iowa	2.8%	South Dakota	14.1%
Kansas	2.8%	Tennessee	-0.2%
Kentucky	6.6%	Texas	2.4%
Louisiana	19.1%	Utah	5.7%
Maine	4.2%	Vermont	11.3%
Maryland	-3.3%	Virginia	1.8%
Massachusetts	7.8%	Washington	44.5%
Michigan	-30.9%	West Virginia	43.5%
Minnesota	1.1%	Wisconsin	1.8%
Mississippi	1.6%	Wyoming	11.1%
Missouri	12.1%		

Source: Centers for Medicare & Medicaid Services. Data released July 2017. Number of Children Ever Enrolled Report.
 Link: <https://www.medicaid.gov/chip/downloads/fy-2016-childrens-enrollment-report.pdf>

Data for Chart 1.18

Table 1.9: Percentage of Employees with Employer-based Coverage Who Can Choose Conventional, PPO, HMO, POS, and HDHP/SO Plans, 1988 – 2017

	1988	1996	1999	2002	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Conventional⁽¹⁾	90%	52%	26%	14%	10%	10%	8%	5%	6%	7%	4%	4%	3%	2%	2%	1%
PPO	18%	45%	62%	74%	79%	79%	77%	80%	79%	76%	75%	76%	77%	72%	74%	73%
HMO	46%	64%	56%	50%	43%	42%	41%	44%	42%	39%	37%	34%	31%	32%	33%	33%
POS⁽²⁾		30%	45%	34%	23%	21%	24%	19%	14%	16%	14%	13%	13%	16%	13%	15%
HDHP/SO⁽³⁾					14%	18%	25%	28%	32%	40%	39%	43%	45%	51%	56%	57%

Source: The Kaiser Family Foundation and Health Research and Educational Trust. Data Released 2017. Employer Health Benefits: 1999, 2002, 2006 – 2017. Link: <http://files.kff.org/attachment/Report-Employer-Health-Benefits-Annual-Survey-2017>
KPMG Survey of Employer-Sponsored Health Benefits: 1988, 1996.

PPO: Preferred Provider Organization; HMO: Health Maintenance Organization.

(1) Conventional plans refer to traditional indemnity plans.

(2) Point-of-service (POS) plans not separately identified in 1988.

(3) In 2006, the survey began asking about HDHP/SO, high deductible health plans with a savings option.
with a savings option.

Data for Chart 1.19

Table 1.10: Percent Distribution of Employer-sponsored Health Insurance Enrollment by Type of Plan, 1988 – 2017

	1988	1996	1999	2002	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Conventional⁽¹⁾	73%	27%	10%	4%	3%	3%	2%	1%	1%	1%	<1%	<1%	<1%	1%	<1%	<1%
PPO	11%	28%	39%	52%	60%	57%	58%	60%	58%	55%	56%	57%	58%	52%	48%	48%
HMO	16%	31%	28%	27%	20%	21%	20%	20%	19%	17%	16%	14%	13%	14%	15%	14%
POS⁽²⁾		14%	24%	18%	13%	13%	12%	10%	8%	10%	9%	9%	8%	10%	9%	10%
HDHP/SO⁽³⁾					4%	5%	8%	8%	13%	17%	19%	20%	20%	24%	29%	28%

Source: The Kaiser Family Foundation and Health Research and Educational Trust. Data Released 2017. Employer Health Benefits: 1999, 2002, 2006 – 2017. Link: <http://files.kff.org/attachment/Report-Employer-Health-Benefits-Annual-Survey-2017>
KPMG Survey of Employer-Sponsored Health Benefits: 1988, 1996.

PPO: Preferred Provider Organization; HMO: Health Maintenance Organization.

(1) Conventional plans refer to traditional indemnity plans.

(2) Point-of-service (POS) plans not separately identified in 1988.

(3) In 2006, the survey began asking about HDHP/SO, high deductible health plans with a savings option.
with a savings option.

Data for Chart 1.20



Table 1.11: Growth in Medicare Spending per Beneficiary vs. Private Health Insurance Spending per Enrollee, 1995 – 2016^(1,2,3)

Year	Growth in Medicare Spending per Beneficiary	Growth in Private Health Insurance Spending per Enrollee
1995	7.2%	1.6%
1996	4.6%	1.6%
1997	4.2%	3.3%
1998	0.3%	4.8%
1999	2.8%	4.4%
2000	3.2%	6.1%
2001	8.4%	8.8%
2002	5.4%	9.3%
2003	4.9%	9.8%
2004	6.7%	8.1%
2005	5.8%	6.7%
2006	3.5%	6.4%
2007	2.6%	5.2%
2008	4.6%	6.3%
2009	3.2%	7.3%
2010	0.3%	4.9%
2011	1.4%	4.6%
2012	0.3%	5.5%
2013	-0.6%	2.9%
2014	1.9%	-0.4%
2015	0.8%	5.9%
2016	0.4%	6.2%

Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 6, 2017.

⁽¹⁾ CMS completed a benchmark revision in 2009, introducing changes in methods, definitions and source data that are applied to the entire time series (back to 1960). For more information on this revision, see <http://www.cms.gov/nationalhealthexpenddata/downloads/benchmark2009.pdf>.

⁽²⁾ Data reflects spending on benefits commonly covered by Medicare and Private Health Insurance.

⁽³⁾ CMS no longer includes the National Health Expenditure (NHE) table used to calculate growth in Medicare spending from 1994-2013. Data for 2014 and subsequent years reflects calculations using current NHE tables as recommended by CMS in email correspondence.

Table 1.12: Percentage of Medicaid Beneficiaries Enrolled in Medicaid Managed Care by State, 2011 and 2015

State	% Enrolled		State	% Enrolled	
	11	15		11	15
Alabama	61.1%	62.9%	Montana	76.1%	74.1%
Alaska	0.0%	0.0%	Nebraska	85.1%	95.7%
Arizona	88.7%	84.6%	Nevada	83.6%	87.7%
Arkansas	78.4%	80.5%	New Hampshire	0.0%	86.6%
California	60.1%	74.3%	New Jersey	77.7%	90.5%
Colorado	94.6%	96.1%	New Mexico	72.8%	78.6%
Connecticut	68.6%	0.0%	New York	76.7%	76.1%
Delaware	80.5%	89.2%	North Carolina	83.2%	79.8%
District of Columbia	67.4%	70.8%	North Dakota	63.6%	54.1%
Florida	63.8%	79.0%	Ohio	75.4%	74.4%
Georgia	91.3%	68.9%	Oklahoma	86.5%	66.2%
Hawaii	98.7%	98.9%	Oregon	98.2%	82.2%
Idaho	100.0%	100.0%	Pennsylvania	81.5%	86.2%
Illinois	67.8%	89.0%	Rhode Island	68.6%	100.0%
Indiana	70.3%	72.0%	South Carolina	100.0%	100.0%
Iowa	91.1%	93.8%	South Dakota	75.8%	75.1%
Kansas	87.4%	90.3%	Tennessee	100.0%	91.9%
Kentucky	89.4%	93.3%	Texas	70.7%	82.7%
Louisiana	65.3%	83.6%	Utah	99.8%	98.1%
Maine	49.3%	84.1%	Vermont	58.5%	65.4%
Maryland	74.6%	80.1%	Virginia	58.2%	69.1%
Massachusetts	53.1%	67.6%	Washington	88.1%	100.0%
Michigan	88.4%	97.2%	West Virginia	51.0%	38.5%
Minnesota	65.7%	74.4%	Wisconsin	63.7%	66.2%
Mississippi	87.2%	68.2%	Wyoming	0.0%	0.1%
Missouri	97.7%	97.7%	Nation	74.2%	79.7%

Sources: 1. Centers for Medicare & Medicaid Services, Office of the Actuary. Medicaid Managed Care Enrollment and Program Characteristics, 2015, released Winter 2016. Link: <https://www.medicare.gov/medicaid/managed-care/downloads/enrollment/2015-medicare-managed-care-enrollment-report.pdf>.

2. The Kaiser Family Foundation. State Health Facts. Total Medicaid Managed Care Enrollment. Link: <http://kff.org/medicaid/state-indicator/total-medicare-mc-enrollment/>.

Data for Chart 1.24



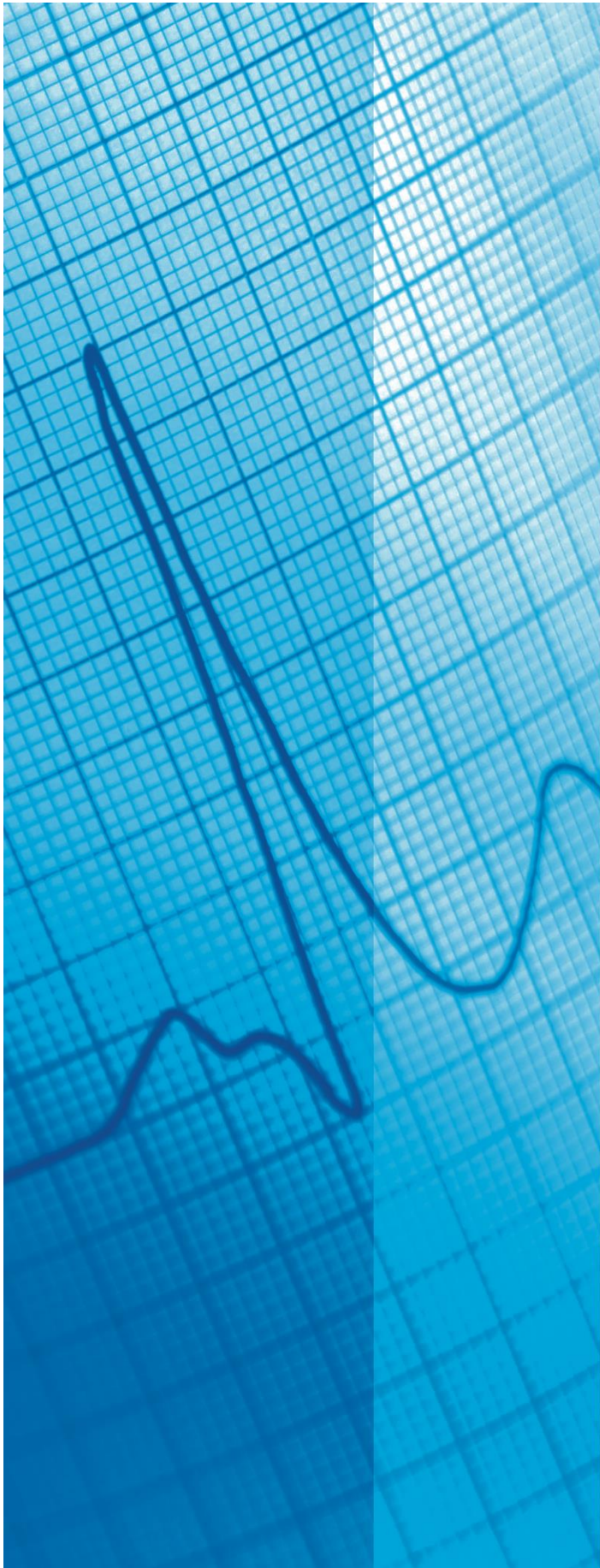
Table 1.13: Operating Margins of the Top Insurers, 2013 – 2015

	2013	2014	2015
Aetna	6.7%	7.3%	8.1%
Anthem⁽¹⁾	8.0%	5.9%	5.9%
United HealthCare	7.9%	7.9%	7.0%
Cigna	6.7%	9.5%	8.8%
Humana	5.0%	4.5%	4.5%

Source: YCharts data used for 2014 and 2015. Data from FactSet Research Systems Inc. used in 2012, 2013, and earlier years' Chartbooks.

⁽¹⁾ Wellpoint in 2014 and earlier years' Chartbooks. In December 2014, Wellpoint changed its name to Anthem.

Data for Chart 1.29



APPENDIX 2

Supplementary Data Tables
Organizational Trends



Table 2.1: Number of Community Hospitals,⁽¹⁾ 1995 – 2016

Year	All Hospitals	Urban ⁽²⁾	Rural ⁽²⁾	In Health System
1995	5,194	2,958	2,236	-
1996	5,134	2,908	2,226	-
1997	5,057	2,852	2,205	-
1998	5,015	2,816	2,199	-
1999	4,956	2,767	2,189	2,524
2000	4,915	2,740	2,175	2,542
2001	4,908	2,742	2,166	2,580
2002	4,927	2,749	2,178	2,606
2003	4,895	2,729	2,166	2,626
2004	4,919	2,916	2,003	2,668
2005	4,936	2,927	2,009	2,716
2006	4,927	2,926	2,001	2,755
2007	4,897	2,900	1,997	2,730
2008	5,010	3,012	1,998	2,868
2009	5,008	3,011	1,997	2,921
2010	4,985	2,998	1,987	2,941
2011	4,973	2,989	1,984	3,007
2012	4,999	3,019	1,980	3,100
2013	4,974	3,003	1,971	3,144
2014	4,926	3,071	1,855	3,183
2015	4,862	3,033	1,829	3,198
2016	4,840	3,015	1,825	3,231

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

⁽¹⁾ All non-federal, short-term general and specialty hospitals whose facilities and services are available to the public.

⁽²⁾ Data on the number of urban and rural hospitals in 2004 and beyond were collected using coding different from previous years to reflect new Centers for Medicare & Medicaid Services wage area designations.

Data for Charts 2.1 and 2.4



Table 2.2: Number of Beds and Number of Beds per 1,000 Persons, 1995 – 2016

Year	Number of Beds	Beds per 1,000
1995	871,976	3.32
1996	862,352	3.25
1997	853,287	3.19
1998	839,988	3.11
1999	829,575	3.04
2000	823,560	2.93
2001	825,966	2.90
2002	820,653	2.85
2003	813,307	2.80
2004	808,127	2.75
2005	802,311	2.71
2006	802,658	2.68
2007	800,892	2.66
2008	808,069	2.66
2009	805,593	2.62
2010	804,943	2.60
2011	797,403	2.56
2012	800,566	2.55
2013	795,603	2.52
2014	786,874	2.47
2015	782,188	2.43
2016	780,428	2.42

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

Data for Chart 2.2

Table 2.3: Beds per 1,000 Persons by State, 2015 and 2016

State	Beds per 1,000 Persons		State	Beds per 1,000 Persons	
	15	16		15	16
Alabama	3.02	3.11	Montana	3.68	3.50
Alaska	2.21	2.22	Nebraska	3.49	3.43
Arizona	1.98	1.93	Nevada	1.91	1.93
Arkansas	3.15	3.15	New Hampshire	2.12	2.09
California	1.79	1.79	New Jersey	2.29	2.33
Colorado	1.92	1.93	New Mexico	1.89	1.83
Connecticut	2.10	2.03	New York	2.67	2.66
Delaware	2.23	2.16	North Carolina	2.15	2.15
District of Columbia	5.34	5.06	North Dakota	4.21	4.30
Florida	2.62	2.61	Ohio	2.88	2.87
Georgia	2.40	2.40	Oklahoma	2.84	2.85
Hawaii	1.85	1.74	Oregon	1.68	1.63
Idaho	2.01	1.96	Pennsylvania	2.92	2.90
Illinois	2.47	2.48	Rhode Island	2.15	2.12
Indiana	2.62	2.55	South Carolina	2.50	2.48
Iowa	3.07	3.04	South Dakota	4.66	4.71
Kansas	3.37	3.32	Tennessee	3.01	2.91
Kentucky	3.19	3.15	Texas	2.28	2.23
Louisiana	3.04	3.00	Utah	1.78	1.78
Maine	2.62	2.55	Vermont	1.93	1.99
Maryland	1.96	1.92	Virginia	2.13	2.13
Massachusetts	2.28	2.30	Washington	1.67	1.66
Michigan	2.49	2.51	West Virginia	3.72	3.72
Minnesota	2.62	2.59	Wisconsin	2.16	2.12
Mississippi	4.09	4.03	Wyoming	3.13	2.93
Missouri	3.06	3.05			

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.
 US Census Bureau: National and State Population Estimates, July 1, 2016.
 Link: <https://www.census.gov/programs-surveys/popest/data/data-sets.2016.html>.

Data for Chart 2.3

Table 2.4: Percentage of Hospitals with Physician Affiliates⁽¹⁾ by Type of Relationship, 2005 – 2016

	05	06	07	08	09	10	11	12	13	14	15	16
Physician Hospital Organization	19%	19%	19%	17%	16%	16%	16%	16%	16%	16%	16%	17%
Independent Practice Association	14%	14%	13%	12%	12%	11%	10%	10%	10%	10%	11%	10%
Management Service Organization	9%	9%	9%	9%	9%	9%	9%	9%	9%	8%	9%	8%
Group Practice without Walls	4%	3%	3%	3%	3%	3%	3%	3%	4%	4%	3%	3%

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

⁽¹⁾ A hospital is considered to have a physician relationship if the relationship exists as part of the hospital or a system or network of which the hospital is a part.

Table 2.5 in 2009 and earlier years' Chartbooks.

Data for Chart 2.6

Table 2.5: Percentage of Hospitals with Insurance Products by Type of Insurance, 2005 – 2016

	05	06	07	08	09	10	11	12	13	14	15	16
Preferred Provider Organization	19%	18%	17%	14%	14%	15%	15%	12%	14%	14%	15%	16%
Health Maintenance Organization	14%	14%	13%	12%	12%	12%	13%	13%	14%	14%	16%	16%
Indemnity or Fee for Service	6%	6%	6%	5%	5%	5%	5%	4%	5%	6%	6%	6%

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

Table 2.6 in 2009 and earlier years' Chartbooks.

Data for Chart 2.7

Table 2.6: Percentage of Hospitals Offering “Non-hospital” Services,⁽¹⁾ 2005 – 2016

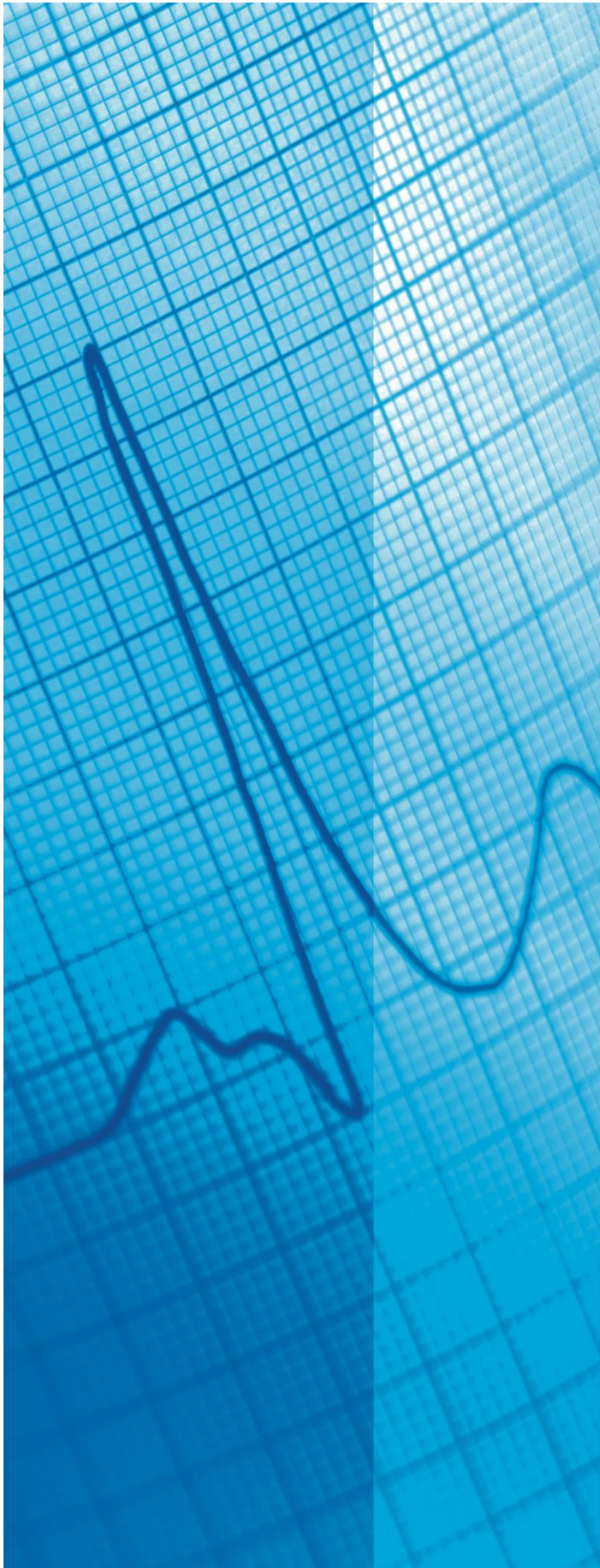
	05	06	07	08	09	10	11	12	13	14	15	16
Home Health Service	63%	63%	63%	61%	61%	60%	60%	60%	60%	61%	61%	61%
Skilled Nursing Facility	42%	42%	41%	40%	39%	37%	37%	38%	37%	38%	37%	37%
Other Long-term Care	14%	14%	14%	14%	14%	12%	12%	14%	12%	14%	13%	13%
Assisted Living	16%	16%	15%	15%	15%	15%	15%	15%	14%	14%	15%	15%
Hospice	60%	62%	63%	62%	62%	61%	62%	64%	64%	65%	66%	67%
Meals on Wheels	23%	23%	22%	22%	21%	21%	20%	20%	21%	21%	20%	21%

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

⁽¹⁾ Includes services offered in hospital, health system, network or joint venture.

Table 2.7 in 2009 and earlier years' Chartbooks.

Data for Chart 2.8



APPENDIX 3

Supplementary Data Tables
Utilization and Volume



Table 3.1: Trends in Inpatient Utilization in Community Hospitals, 1995 – 2016

Year	Inpatient Admissions in Community Hospitals	Inpatient Admissions per 1,000	Total Inpatient Days in Community Hospitals	Inpatient Days per 1,000	Inpatient Surgeries	Average Length of Stay
1995	30,945,357	117.8	199,876,367	760.7	9,700,613	6.5
1996	31,098,959	117.2	193,747,004	730.4	9,545,612	6.2
1997	31,576,960	118.0	192,504,015	719.3	9,509,081	6.1
1998	31,811,673	117.8	191,430,450	709.0	9,735,705	6.0
1999	32,359,042	118.7	191,884,270	703.7	9,539,593	5.9
2000	33,089,467	117.6	192,420,368	683.7	9,729,336	5.8
2001	33,813,589	118.7	194,106,316	681.6	9,779,583	5.7
2002	34,478,280	119.7	196,690,099	682.7	10,105,010	5.7
2003	34,782,742	119.6	196,649,769	676.2	9,940,922	5.7
2004	35,086,061	119.5	197,564,172	672.8	10,050,346	5.6
2005	35,238,673	119.2	197,073,770	666.4	10,097,271	5.6
2006	35,377,659	118.2	196,366,512	655.9	10,095,683	5.6
2007	35,345,986	117.3	194,549,348	645.7	10,189,630	5.5
2008	35,760,750	117.6	196,078,468	644.9	10,105,156	5.5
2009	35,527,377	115.7	192,656,804	627.5	10,100,980	5.4
2010	35,149,427	113.7	189,593,349	613.5	9,954,821	5.4
2011	34,843,085	111.8	187,072,013	600.4	9,638,467	5.4
2012	34,422,071	109.7	185,423,035	590.7	9,513,598	5.4
2013	33,609,083	106.3	182,370,189	576.9	9,147,264	5.4
2014	33,066,720	103.7	180,456,434	565.9	9,015,467	5.5
2015	33,260,348	103.5	181,555,387	564.9	8,920,775	5.5
2016	33,424,253	103.4	182,291,689	564.1	8,982,309	5.5

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals. US Census Bureau: National and State Population Estimates, July 1, 2016.
 Link: <https://www.census.gov/programs-surveys/popest/data/data-sets.2016.html>.

Data for Charts 3.1, 3.2, 3.3, 3.4, 3.5 and 3.11



Table 3.2: Average Length of Stay in Community Hospitals by State, 2015 and 2016

State	Average Length of Stay		State	Average Length of Stay	
	15	16		15	16
Alabama	5.5	5.6	Montana	8.9	8.4
Alaska	7.2	7.5	Nebraska	6.7	6.7
Arizona	4.7	4.8	Nevada	5.7	5.7
Arkansas	5.2	5.1	New Hampshire	5.4	5.2
California	5.1	5.1	New Jersey	5.2	4.9
Colorado	5.1	5.2	New Mexico	4.9	4.8
Connecticut	5.3	5.2	New York	6.8	6.7
Delaware	5.3	5.2	North Carolina	5.4	5.4
District of Columbia	7.4	7.5	North Dakota	7.2	7.7
Florida	5.0	5.0	Ohio	5.0	5.0
Georgia	6.3	6.3	Oklahoma	5.5	5.6
Hawaii	6.5	6.4	Oregon	4.4	4.5
Idaho	4.9	5.0	Pennsylvania	5.5	5.5
Illinois	4.9	5.0	Rhode Island	4.9	4.8
Indiana	5.3	5.2	South Carolina	5.4	5.3
Iowa	6.1	6.1	South Dakota	10.2	9.8
Kansas	6.4	6.4	Tennessee	5.5	5.5
Kentucky	5.5	5.5	Texas	5.4	5.4
Louisiana	5.5	5.5	Utah	4.3	4.4
Maine	5.9	6.3	Vermont	6.1	5.9
Maryland	5.1	5.1	Virginia	5.6	5.7
Massachusetts	5.3	5.3	Washington	4.7	4.9
Michigan	5.0	5.0	West Virginia	5.9	5.9
Minnesota	6.1	6.1	Wisconsin	5.1	5.0
Mississippi	6.9	6.5	Wyoming	8.3	8.8
Missouri	5.2	5.3			

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

Data for Chart 3.6



Table 3.3: Emergency Department Visits, Emergency Department Visits per 1,000 Persons and Number of Emergency Departments, 1995 – 2016

Year	ED Visits (millions)	ED Visits per 1,000	Emergency Departments ⁽¹⁾
1995	94.7	360	4,923
1996	93.1	351	4,884
1997	92.8	347	4,813
1998	94.8	351	4,771
1999	99.5	365	4,679
2000	103.1	366	4,650
2001	106.0	372	4,621
2002	110.0	382	4,620
2003	111.0	382	4,570
2004	112.6	383	4,595
2005	114.8	388	4,611
2006	118.4	395	4,587
2007	120.8	401	4,565
2008	123.0	405	4,613
2009	127.3	415	4,594
2010	127.2	412	4,564
2011	129.5	415	4,461
2012	133.2	424	4,460
2013	133.6	423	4,440
2014	136.3	428	4,408
2015	141.5	440	4,353
2016	142.6	441	4,349

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals. US Census Bureau: National and State Population Estimates, July 1, 2016.

Link: <https://www.census.gov/programs-surveys/popest/data/data-sets.2016.html>

⁽¹⁾ Defined as hospitals reporting ED visits in the AHA Annual Survey.

Data for Charts 3.7 and 3.8



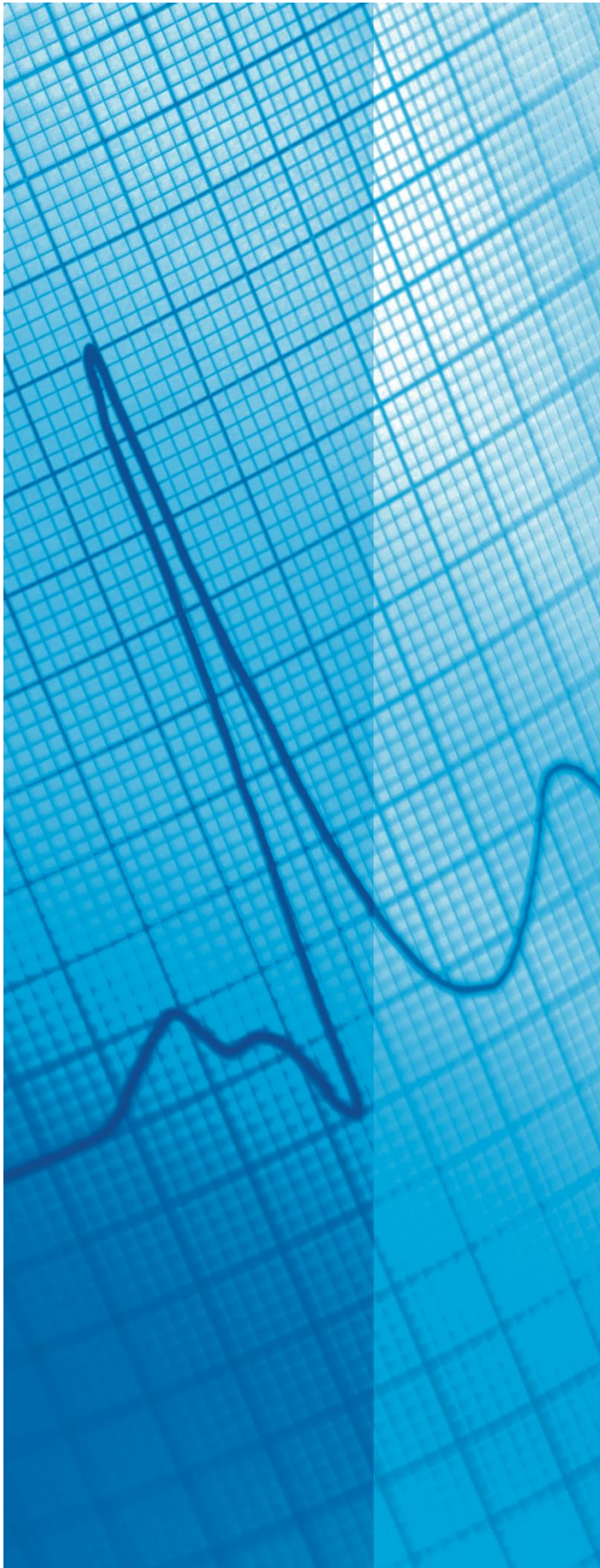
Table 3.4: Outpatient Utilization in Community Hospitals, 1995 – 2016

Year	Total Outpatient Visits	Outpatient Visits per 1,000	Outpatient Surgeries
1995	413,748,403	1,574.6	13,462,304
1996	439,863,107	1,658.3	14,023,651
1997	450,140,010	1,681.9	14,678,290
1998	474,193,468	1,756.3	15,593,614
1999	495,346,286	1,816.5	15,845,492
2000	521,404,976	1,852.8	16,383,374
2001	538,480,378	1,890.8	16,684,726
2002	556,404,212	1,931.1	17,361,176
2003	563,186,046	1,936.7	17,165,616
2004	571,569,334	1,946.4	17,351,490
2005	584,428,736	1,976.1	17,445,587
2006	599,553,025	2,002.5	17,235,141
2007	603,300,374	2,002.4	17,146,334
2008	624,098,296	2,052.6	17,354,282
2009	641,953,442	2,091.0	17,357,534
2010	651,423,717	2,107.8	17,357,177
2011	656,078,942	2,105.6	17,269,245
2012	674,971,331	2,150.2	17,297,633
2013	677,951,120	2,144.5	17,418,773
2014	693,106,685	2,173.7	17,386,061
2015	722,121,388	2,246.7	17,588,335
2016	747,089,013	2,312.1	18,224,816

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals. US Census Bureau: National and State Population Estimates, July 1, 2016.

Link: <https://www.census.gov/programs-surveys/popest/data/data-sets.2016.html>.

Data for Charts 3.9, 3.10 and 3.11



APPENDIX 4

Supplementary Data Tables
Trends in Hospital Financing

Table 4.1: Aggregate Total Hospital Margins⁽¹⁾ and Operating Margins⁽²⁾; Percentage of Hospitals with Negative Total Margins; and Aggregate Non-operating Gains as a Percentage of Total Net Revenue, 1995 – 2016

Year	Aggregate Total Hospital Margins	Aggregate Operating Margins	Percent of Hospitals with Negative Total Margins	Percent of Hospitals with Negative Operating Margins	Aggregate Non-operating Gains as a Percentage of Total Net Revenue
1995	5.6%	3.9%	20.4%	28.0%	1.8%
1996	6.7%	4.6%	19.4%	27.7%	2.3%
1997	6.7%	4.0%	20.4%	28.9%	2.7%
1998	5.8%	3.1%	26.6%	36.1%	2.8%
1999	4.6%	2.1%	32.5%	41.9%	2.6%
2000	4.6%	2.0%	32.0%	42.2%	2.6%
2001	4.2%	2.7%	29.4%	36.7%	1.6%
2002	4.4%	3.7%	29.3%	33.4%	0.8%
2003	4.8%	3.3%	29.9%	35.9%	1.5%
2004	5.2%	3.6%	26.5%	33.4%	1.7%
2005	5.3%	3.7%	25.4%	32.0%	1.7%
2006	6.0%	4.0%	24.3%	31.8%	2.1%
2007	6.9%	4.3%	21.6%	30.2%	2.7%
2008	2.6%	3.3%	32.4%	32.8%	-0.7%
2009	5.0%	4.4%	27.5%	30.1%	0.6%
2010	7.2%	5.5%	22.8%	28.3%	1.8%
2011	7.0%	5.5%	24.0%	28.4%	1.6%
2012	7.8%	6.5%	21.3%	25.9%	1.4%
2013	7.9%	5.7%	24.0%	30.5%	2.3%
2014	8.3%	6.4%	23.3%	29.9%	2.0%
2015	7.9%	7.4%	22.6%	25.5%	0.6%
2016	7.8%	6.7%	26.4%	30.6%	1.2%

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

⁽¹⁾ Total Hospital Margin is calculated as the difference between total net revenue and total expenses divided by total net revenue.

⁽²⁾ Operating Margin is calculated as the difference between operating revenue and total expenses divided by operating revenue.

Data for Charts 4.1, 4.2 and 4.8



Table 4.2: Distribution of Inpatient vs. Outpatient Revenues, 1995 – 2016

Year	Gross Outpatient Revenue	Gross Inpatient Revenue
1995	30%	70%
1996	31%	69%
1997	33%	67%
1998	33%	67%
1999	34%	66%
2000	35%	65%
2001	35%	65%
2002	35%	65%
2003	35%	65%
2004	36%	64%
2005	37%	63%
2006	38%	62%
2007	38%	62%
2008	40%	61%
2009	41%	59%
2010	42%	58%
2011	43%	57%
2012	44%	56%
2013	45%	55%
2014	46%	54%
2015	47%	53%
2016	48%	52%

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

Data for Chart 4.3



Table 4.3: Annual Change in Hospital Operating Revenue and Expenses per Adjusted Admission,⁽¹⁾ 1995 – 2016

Year	Expenses per Adjusted Admission	Operating Revenue per Adjusted Admission	Percent Change Expenses	Percent Change Operating Revenue
1995	\$6,216	\$6,466	-0.2%	0.3%
1996	\$6,225	\$6,522	0.2%	0.9%
1997	\$6,262	\$6,526	0.6%	0.1%
1998	\$6,386	\$6,589	2.0%	1.0%
1999	\$6,509	\$6,647	1.9%	0.9%
2000	\$6,668	\$6,806	2.5%	2.4%
2001	\$6,980	\$7,172	4.7%	5.4%
2002	\$7,355	\$7,636	5.4%	6.5%
2003	\$7,796	\$8,065	6.0%	5.6%
2004	\$8,166	\$8,469	4.7%	5.0%
2005	\$8,535	\$8,865	4.5%	4.7%
2006	\$8,970	\$9,345	5.1%	5.4%
2007	\$9,377	\$9,797	4.5%	4.8%
2008	\$9,788	\$10,123	4.4%	3.3%
2009	\$10,045	\$10,503	2.6%	3.7%
2010	\$10,313	\$10,917	2.7%	3.9%
2011	\$10,533	\$11,146	2.1%	2.1%
2012	\$11,221	\$12,004	6.5%	7.7%
2013	\$11,651	\$12,359	3.8%	3.0%
2014	\$12,015	\$12,843	3.1%	3.9%
2015	\$12,359	\$13,342	2.9%	3.9%
2016	\$12,780	\$13,695	3.4%	2.7%

Source: Analysis of American Hospital Association Annual Survey data, 2016, 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 Chart 4.4



Table 4.4: Aggregate Hospital Payment-to-cost Ratios for Private Payers, Medicare, and Medicaid, 1995 – 2016

Year	Medicare ⁽¹⁾	Medicaid ⁽²⁾	Private Payer
1995	99.4%	94.0%	124.0%
1996	102.4%	94.9%	121.6%
1997	103.7%	96.0%	117.5%
1998	101.9%	96.6%	115.8%
1999	100.0%	95.7%	115.1%
2000	99.1%	94.5%	115.7%
2001	98.4%	95.8%	116.5%
2002	97.9%	96.1%	119.0%
2003	95.3%	92.3%	122.3%
2004	91.9%	89.9%	128.9%
2005	92.3%	87.1%	129.4%
2006	91.3%	85.8%	130.3%
2007	90.6%	87.9%	132.2%
2008	90.9%	88.7%	128.3%
2009	90.1%	89.0%	134.1%
2010	92.4%	92.8%	133.5%
2011	91.4%	94.7%	134.5%
2012	85.9%	88.9%	148.9%
2013	87.9%	89.8%	143.6%
2014	88.5%	90.0%	143.7%
2015	87.9%	89.7%	144.1%
2016	86.8%	88.1%	144.8%

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

⁽¹⁾ Includes Medicare Disproportionate Share Hospital payments.

⁽²⁾ Includes Medicaid Disproportionate Share Hospital payments.

Data for Chart 4.6



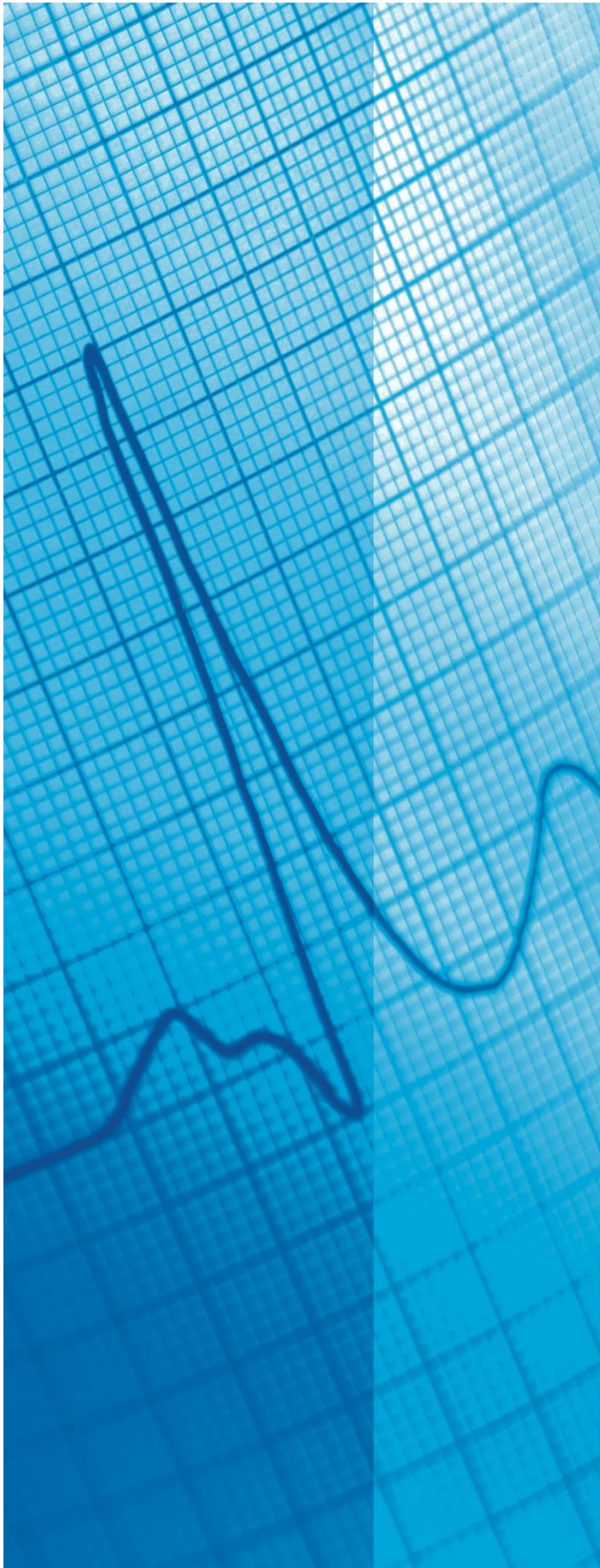
Table 4.5: Hospital Payment Shortfall Relative to Costs for Medicare, Medicaid, and Other Government, 1997 – 2016⁽¹⁾

Year	Medicare (billions)	Medicaid (billions)	Other Government (billions)
1997	\$4.3	-\$1.6	-\$0.7
1998	\$2.3	-\$1.4	-\$0.6
1999	-\$0.1	-\$1.9	-\$0.4
2000	-\$1.4	-\$2.6	-\$0.5
2001	-\$2.4	-\$2.1	-\$0.7
2002	-\$3.4	-\$2.3	-\$0.6
2003	-\$8.1	-\$5.0	-\$0.5
2004	-\$15.0	-\$7.1	-\$0.5
2005	-\$15.5	-\$9.8	-\$0.4
2006	-\$18.6	-\$11.3	\$1.1
2007	-\$21.5	-\$10.4	\$1.4
2008	-\$21.9	-\$10.5	\$1.2
2009	-\$25.2	-\$11.3	\$0.4
2010	-\$20.1	-\$7.8	\$0.4
2011	-\$23.8	-\$6.0	\$0.0
2012	-\$42.3	-\$13.7	-\$1.3
2013	-\$37.9	-\$13.2	-\$1.5
2014	-\$37.3	-\$14.2	-\$1.1
2015	-\$41.6	-\$16.3	\$0.4
2016	-\$48.8	-\$20.0	\$0.3

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

⁽¹⁾ Costs reflect a cap of 1.0 on the cost-to-charge ratio.

Data for Chart 4.7



APPENDIX 5

Supplementary Data Tables
Workforce

Table 5.1: Total Number of Active Physicians⁽¹⁾ per 1,000 Persons by State, 2012 and 2013

State	Physicians per 1,000 Persons		State	Physicians per 1,000 Persons	
	12	13		12	13
Alabama	2.18	2.24	Montana	2.24	2.31
Alaska	2.42	2.50	Nebraska	2.48	2.60
Arizona	2.42	2.55	Nevada	1.96	2.03
Arkansas	2.09	2.15	New Hampshire	3.06	3.20
California	2.69	2.78	New Jersey	3.25	3.35
Colorado	2.76	2.91	New Mexico	2.41	2.52
Connecticut	3.76	3.84	New York	3.83	3.94
Delaware	2.64	2.74	North Carolina	2.54	2.64
District of Columbia	7.38	7.47	North Dakota	2.50	2.53
Florida	2.65	2.72	Ohio	2.95	3.14
Georgia	2.23	2.34	Oklahoma	2.15	2.23
Hawaii	2.97	3.08	Oregon	2.91	3.07
Idaho	1.84	1.92	Pennsylvania	3.31	3.51
Illinois	2.87	3.01	Rhode Island	3.82	4.02
Indiana	2.26	2.33	South Carolina	2.34	2.41
Iowa	2.20	2.32	South Dakota	2.38	2.46
Kansas	2.45	2.54	Tennessee	2.68	2.77
Kentucky	2.33	2.46	Texas	2.23	2.32
Louisiana	2.68	2.72	Utah	2.19	2.26
Maine	3.20	3.37	Vermont	3.62	3.82
Maryland	3.95	4.09	Virginia	2.72	2.81
Massachusetts	4.46	4.70	Washington	2.74	2.84
Michigan	3.01	3.15	West Virginia	2.60	2.71
Minnesota	3.03	3.11	Wisconsin	2.73	2.79
Mississippi	1.86	1.95	Wyoming	1.92	1.95
Missouri	2.74	2.89			

Source: National Center for Health Statistics. (2016). *Health, United States, 2015*. 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: Number of Physicians and Dentists⁽¹⁾ Employed by Community Hospitals, 2000 – 2016

Year	Residents
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
2014	249,191
2015	254,572
2016	268,881

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

⁽¹⁾ 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⁽¹⁾ in Training in Community Hospitals, 1995 – 2016

Year	Residents
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
2014	109,309
2015	108,961
2016	113,109

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

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

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,⁽¹⁾ 1995 – 2016

Year	FTE Personnel	FTE per Adjusted Admission
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
2014	4,754,880	0.071
2015	4,858,527	0.071
2016	4,991,748	0.071

Source: Analysis of American Hospital Association Annual Survey data, 2016, 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.

Table 5.3 in 2014 and earlier years' Chartbooks.

Data for Charts 5.5 and 5.6

Table 5.5: Number of RN⁽¹⁾ Full-time Equivalent Employees, RN Full-time Equivalent Employees per Adjusted Admission⁽²⁾ and RN Full-time Equivalents as a Percentage of Total FTEs, 1995 – 2016

Year	RN FTEs (thousands)	RN FTEs per Adjusted Admission	RN FTEs as a Percent of Total FTEs
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%
2014	1,398.3	0.0208	29.4%
2015	1,437.7	0.0209	29.6%
2016	1,478.7	0.0209	29.6%

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

(1) RN: Registered Nurse; FTE: Full-time Equivalent

(2) 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.

Table 5.4 in 2014 and earlier years' Chartbooks.

Data for Charts 5.7 and 5.8



Table 5.6: Percent Distribution of RN Workforce by Age Group, 2015

Age Group	2015
20s	9.5%
30s	19.4%
40s	20.9%
50s	25.1%
60s and older	25.1%

Source: National Council of State Boards of Nursing. National Nursing Workforce Study 2015.
 Link: <https://www.ncsbn.org/workforce.htm>.
 Chart Added in 2016.

Data for Chart 5.9

Table 5.7: RN Employment by Type of Provider, 2016

	2016
Percent Employed by Hospitals ⁽¹⁾	62.4%
Percent Employed by Physician Offices	6.6%
Percent Employed by Nursing Homes/Extended Care Facilities ⁽²⁾	7.5%
Percent Employed by Public/Community Health ⁽³⁾	8.6%
All Other ⁽⁴⁾	14.9%

Source: Email correspondence with the Bureau of Labor Statistics.

- (1) Category includes general medical and surgical hospitals, psychiatric and substance abuse hospitals and specialty hospitals.
- (2) Category includes nursing care facilities, residential care facilities, continuing care retirement communities and assisted living facilities and other residential care facilities.
- (3) Category includes home healthcare services, elementary and secondary schools, individual and family services, community food and housing services and vocational rehabilitation services.
- (4) Category includes but is not limited to offices of dentists and other health practitioners, state and local government designations, outpatient care centers, educational support services, health and personal care stores, insurance carriers, junior colleges, colleges, universities, professional schools, technical and trade schools and other schools and instruction.

Chart added in 2016.

Data for Chart 5.10



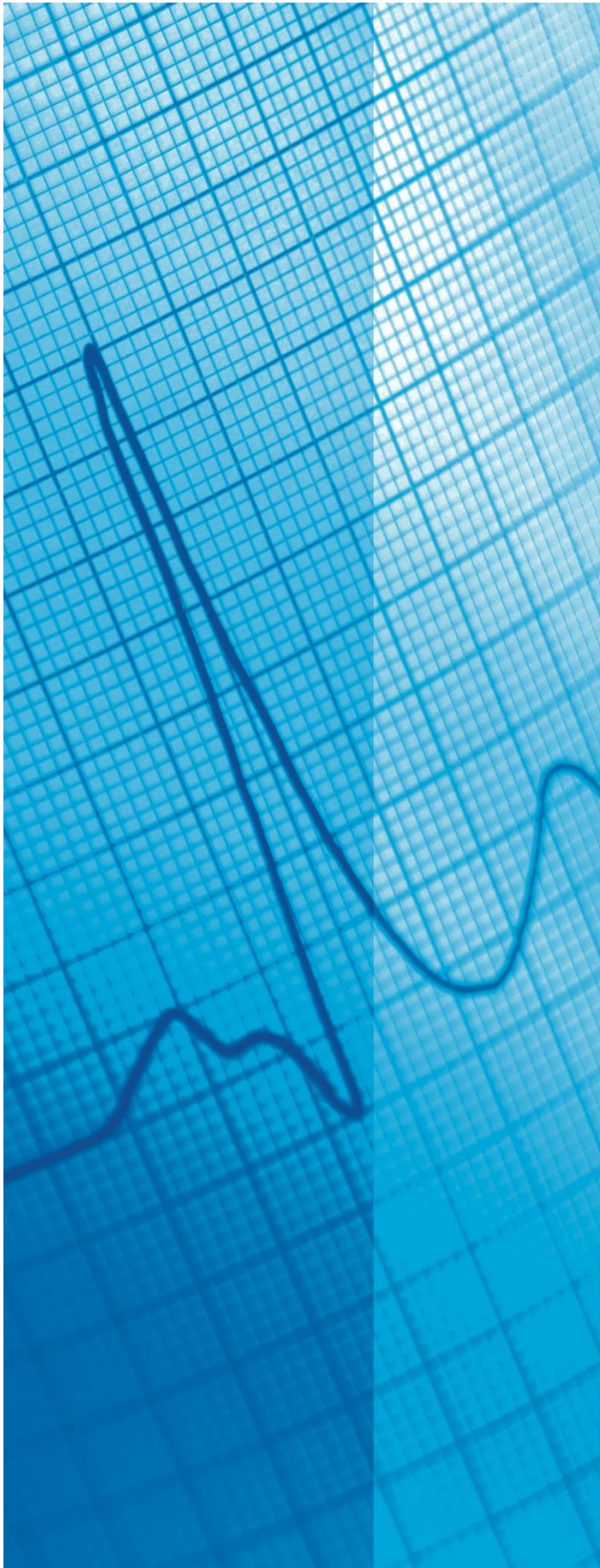
Table 5.8: Number of Physicians⁽¹⁾ by Age, 2010, 2012, 2014 and 2016

Age Group	2010	2012	2014	2016
Under 30	17	12	15	18
30-39	184	185	196	209
40-49	215	219	222	228
50-59	216	220	218	214
60-69	139	156	172	184
Over 70	76	82	88	95
Total # of Physicians	845	874	911	948

Source: Federation of State Medical Boards (FSMB). 2016 FSMB Census of Licensed Physicians.

(1) Includes actively licensed physicians. Resident physician licenses were excluded when such licenses could be identified. Previously Table 5.5 in 2014 and earlier years' Chartbooks.

Data for Chart 5.11



APPENDIX 6

Supplementary Data Tables
The Economic Contribution of
Hospitals



Table 6.1: Number of Full-time and Part-time Hospital Employees, 1995 – 2016

Year	Employees (thousands)
1995	4,384.8
1996	4,397.9
1997	4,495.5
1998	4,536.4
1999	4,544.4
2000	4,652.9
2001	4,713.4
2002	4,818.1
2003	4,876.7
2004	4,922.9
2005	5,047.1
2006	5,152.1
2007	5,287.5
2008	5,379.9
2009	5,405.6
2010	5,416.7
2011	5,480.3
2012	5,576.9
2013	5,580.1
2014	5,598.6
2015	5,709.7
2016	5,878.3

Source: Analysis of American Hospital Association Annual Survey data, 2016, for community hospitals.

Data for Chart 6.2



Table 6.2: Hospital Employment vs. Employment in Other Industries, 2017

Title	Employment (thousands)
Full-service Restaurants	5449.8
General Medical & Surgical Hospitals ⁽¹⁾	4682.9
Limited-service Eating Places	4392.5
Employment Services	3611.3
Grocery Stores	2707.8
Offices of Physicians	2587.4
Building Equipment Contractors	2097.7
Department Stores	1181.6

Source: Department of Labor, Bureau of Labor Statistics, Current Employment Statistics (CES) Survey, customized tables. Data released 2018. Link: <http://www.bls.gov/ces>.

⁽¹⁾ Does not include public hospitals.

Data for Chart 6.4



Table 6.3: Average Weekly Earnings of Workers, Hospitals⁽¹⁾ vs. All Service-providing Industries, 1995 – 2017

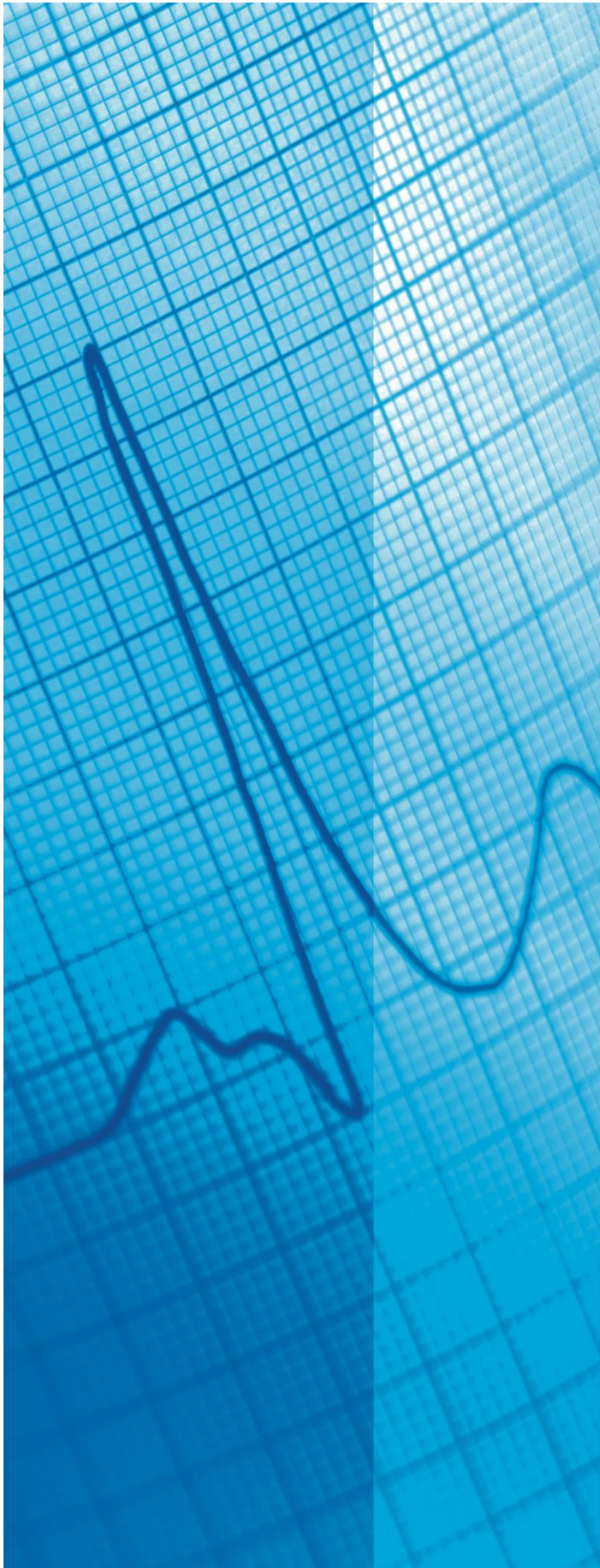
Year	Hospitals ⁽²⁾	All Service-providing Industries
1995	\$488.68	\$364.14
1996	\$499.54	\$376.72
1997	\$518.48	\$394.77
1998	\$535.47	\$412.78
1999	\$547.33	\$427.30
2000	\$569.90	\$445.00
2001	\$608.41	\$460.32
2002	\$638.23	\$473.10
2003	\$674.34	\$483.89
2004	\$715.12	\$493.67
2005	\$762.07	\$509.58
2006	\$794.24	\$532.84
2007	\$876.80	\$689.40
2008	\$920.70	\$708.77
2009	\$946.11	\$718.28
2010	\$980.15	\$733.96
2011	\$1,009.52	\$755.20
2012	\$1,028.91	\$774.14
2013	\$1,052.42	\$787.96
2014	\$1,074.90	\$806.08
2015	\$1,118.08	\$827.16
2016	\$1,136.13	\$842.56
2017	\$1,169.65	\$866.21

Source: Department of Labor, Bureau of Labor Statistics, Current Employment Statistics (CES) Survey, customized tables. Data released 2018. Link: <http://www.bls.gov/ces>.

⁽¹⁾ Includes physicians employed by hospitals.

⁽²⁾ Does not include public hospitals.

Data for Chart 6.5



APPENDIX 7

Supplementary Data Tables
Community Health Indicators

Table 7.1: U.S. Population Trends and Projections by Age, 1980 – 2060⁽¹⁾

Year	Population 0-19 Years (thousands)	Population 20-64 Years (thousands)	Population 65-84 Years (thousands)	Population 85+ Years (thousands)
1980	72,416	128,631	23,306	2,193
1990	71,322	146,146	28,162	3,080
2000	80,473	165,957	30,752	4,240
2010	83,268	185,210	34,775	5,493
2015	82,110	191,429	41,526	6,304
2020	82,625	195,439	49,715	6,726
2025	83,673	197,742	58,438	7,482
2030	84,767	200,527	64,977	9,131
2035	86,153	204,951	67,324	11,908
2040	87,135	210,741	67,711	14,634
2045	87,967	216,717	67,453	17,259
2050	88,992	221,342	69,024	18,971
2055	90,267	224,675	73,016	19,455
2060	91,610	227,022	78,441	19,724

Source: U.S. Department of Commerce, Bureau of the Census. *Projections of the Population by Sex and Age for the United States: 2015-2060*.

⁽¹⁾ Years 2015 through 2060 are projections.

Data for Chart 7.1

Table 7.2: U.S. Population Trends and Projections by Race, 2015 – 2060⁽¹⁾

Year	White, Non-Hispanic (thousands)	Black ⁽²⁾ (thousands)	White, Hispanic (thousands)	Asian ⁽²⁾ (thousands)	All Other ^(2,3) (thousands)
2015	198,354	42,456	55,092	17,538	13,006
2020	199,400	44,590	61,590	19,869	14,687
2025	199,867	46,725	68,150	22,278	16,506
2030	199,403	48,768	74,810	24,726	18,448
2035	197,810	50,678	81,490	27,175	20,504
2040	195,197	52,485	88,133	29,603	22,684
2045	191,919	54,244	94,674	31,997	25,000
2050	188,419	56,007	101,064	34,359	27,459
2055	185,039	57,817	107,307	36,686	30,066
2060	181,930	59,693	113,398	38,965	32,823

Source: U.S. Department of Commerce, Bureau of the Census. *Projections of the Population by Sex, Hispanic Origin, and Race for the United States: 2015-2060.*

⁽¹⁾ Years 2015 through 2060 are projections.

⁽²⁾ Black, Asian, and All Other categories include individuals of Hispanic and non-Hispanic origin.

⁽³⁾ All Other includes American Indian, Native Alaskan, Native Hawaiian, other Pacific Islander and two or more races.

Data for Chart 7.2

Table 7.3: Age-adjusted Death Rates, Selected Causes, by Race, 2015

Cause of Death	All Persons (per 100,000)	White ⁽¹⁾ (per 100,000)	Black ⁽¹⁾ (per 100,000)
Diseases of the Heart	168.5	167.9	205.1
Malignant Neoplasms	158.5	159.4	180.1
Cerebrovascular Disease	37.6	36.4	50.8
Chronic Lower Respiratory Diseases	41.6	44.5	28.9
Diabetes	21.3	19.6	37.0
Influenza and Pneumonia	15.2	15.2	15.9
HIV Infection	2.0	1.1	7.9

Source: National Center for Health Statistics. (2017). *Health, United States, 2016*. Hyattsville, MD.

⁽¹⁾ Racial categories include individuals of both Hispanic and non-Hispanic origin.

Data for Chart 7.3

Table 7.4: Number of Persons with Asthma, 1980 – 2015

Year	Total (millions)
1980	6.98
1990	10.31
2000	22.70
2006	34.13
2007	34.01
2008	38.43
2009	39.93
2010	39.19
2011	39.50
2012	39.98
2013	37.33
2014	40.46
2015	40.15

Source: Centers for Disease Control and Prevention (2002). "Asthma Surveillance – United States, 1980-1999." National Center for Health Statistics. National Health Interview Survey 2001, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014 and 2015.

Data for Chart 7.6

Table 7.5: Percent of Adults Who Are Overweight and Obese,⁽¹⁾ 1960 – 2014

Years	Overweight ⁽²⁾	Obese
1960-1962	44.8%	13.3%
1976-1980	47.4%	15.1%
1988-1994	56.0%	22.9%
1999-2002	65.1%	30.4%
2003-2006	66.7%	33.4%
2009-2012	68.7%	35.3%
2011-2014	69.5%	36.4%

Source: National Center for Health Statistics. (2017). *Health, United States, 2016*. Hyattsville, MD.

(1) Data are adjusted to 2000 standard population.

(2) Overweight includes obese.

Data for Chart 7.8

Table 7.6: Percent Uninsured by Race,⁽¹⁾ 1984 – 2015

Year	All	White ⁽²⁾	Black ⁽²⁾	Asian ⁽³⁾	Hispanic
1984	14.5%	11.9%	19.7%	18.5%	29.5%
1989	15.6%	12.1%	21.5%	16.9%	33.7%
1995	16.1%	13.0%	17.9%	18.6%	31.4%
2000	17.0%	12.5%	19.5%	17.6%	35.6%
2009	17.5%	13.2%	18.8%	16.2%	32.9%
2010	18.2%	13.7%	20.7%	17.1%	32.0%
2011	17.2%	12.9%	18.8%	16.5%	31.1%
2012	16.9%	12.7%	17.8%	16.8%	30.4%
2013	16.7%	12.2%	18.8%	14.2%	30.7%
2014	13.3%	9.7%	13.5%	10.8%	25.5%
2015	10.6%	7.5%	11.2%	7.5%	21.1%

Source: National Center for Health Statistics. (2017). *Health, United States, 2016*. Hyattsville, MD.

(1) Data for population under age 65.

(2) Includes individuals of non-Hispanic origin only.

(3) Includes individuals of Hispanic and non-Hispanic origin.

Data for Chart 7.13

Table 7.7: Percent of Persons with No Usual Source of Care by Race, 1997 – 2015

Year	White ⁽¹⁾	Black ⁽¹⁾	Asian ⁽²⁾	Hispanic
Adults, Ages 18 – 64				
1997-1998	15.4	19.3	21.7	30.4
1999-2000	14.9	19.2	22.1	32.6
2001-2002	13.1	16.8	20.1	32.5
2003-2004	14.0	18.1	19.3	32.9
2005-2006	14.8	19.2	17.9	35.1
2006-2007	15.2	18.9	17.3	34.3
2007-2008	15.1	20.2	17.8	32.5
2008-2009	16.0	21.4	19.4	32.8
2009-2010	16.8	22.2	20.8	33.3
2010-2011	15.8	22.1	20.8	33.3
2011-2012	15.5	21.6	20.8	33.6
2012-2013	16.0	21.3	19.9	32.6
2013-2014	15.0	19.6	18.1	28.9
2014-2015	14.6	18.0	17.5	26.2
Children Under 18 Years				
1997-1998	4.5	8.8	10.7	13.2
1999-2000	4.7	7.6	10.0	14.2
2001-2002	3.4	6.6	11.2	13.5
2003-2004	3.2	6.2	7.7	11.4
2005-2006	3.3	5.4	7.7	11.5
2006-2007	4.0	4.9	7.1	11.3
2008-2009	4.1	5.7	5.1	9.4
2009-2010	3.8	5.4	6.1	9.5
2010-2011	3.1	5.4	5.8	7.9
2011-2012	2.9	4.5	5.6	6.2
2012-2013	3.0	3.9	5.3	6.5
2013-2014	2.5	3.8	4.6	6.5
2014-2015	3.0	4.8	5.4	7.5

Source: National Center for Health Statistics. (2017). *Health, United States, 2016*. Hyattsville, MD.

⁽¹⁾ Includes individuals of non-Hispanic origin only.

⁽²⁾ Includes individuals of Hispanic and non-Hispanic origin.

Data for Charts 7.14, 7.16