

Advancing Health in America

Trendwatch Chartbook 2019

Trends Affecting Hospitals and Health Systems

Trendwatch Chartbook 2019 Table of Contents
Page 1

Table of Contents Page 2 Table of Contents Page 3 Table of Contents Page 4

Chapter 1 - Trends in the Overall Nealth Care Market

Chart 1.1 - Total National Health Expenditures Chart 1.2 - Percent Change in Total NHE Chart 1.3 - Per Capita NHE Chart 1.4 - NHE as a Percentage of GDP Chart 1.5 - NHE for Health Services and S...

Table of Contents

Chapter 1: Trends in the Overall Health Care Market

- Chart 1.1: Total National Health Expenditures
- Chart 1.2: Percent Change in Total National Health Expenditures
- Chart 1.3: Per Capita National Health Expenditures
- Chart 1.4: Natonal Health Expenditures as a Percentage of Gross Domestic Product
- Chart 1.5: National Expenditures for Health Services and Supplies by Category
- Chart 1.6: Percent Change in National Expenditures for Selected Health Services and Supplies
- Chart 1.7: National Health Expenditures
- Chart 1.8: Consumer Out-of-pocket Payments for National Health Expenditures
- Chart 1.9: Total Prescription Drug Spending
- Chart 1.10: Consumer Out-of-pocket Spending vs. Private Health Insurance Spending for Prescription Drugs
- Chart 1.11: Distribution of National Health Expenditures by Source of Payment
- Chart 1.12: Distribution of Health Insurance Coverage, Percentage of Population Covered by Payer
- Chart 1.13: Number and Percent Uninsured
- Chart 1.14: Average Percent Uninsured by State
- Chart 1.15: Medicare Enrollees
- Chart 1.16: Medicaid Enrollees
- Chart 1.17: National CHIP Enrollment
- Chart 1.18: Percent Change in CHIP Enrollment by State
- Chart 1.19: Percentage of Employees with Employer-based Coverage Who Can Choose Conventional, PPO, HMO, POS, and HDHP/SO Plans
- Chart 1.20: Distribution of Employer-sponsored Health Insurance Enrollment by Type of Plan
- Chart 1.21: Percentage of Medicare Beneficiaries Enrolled Medicare Managed Care
- Chart 1.22: Percent Growth in Medicare Spending per Beneficiary vs. Private Health Insurance Spending per Enrollee
- Chart 1.23: Percentage of Medicaid Beneficiaries Enrolled in Medicaid Managed Care
- Chart 1.24: Percentage of Medicaid Beneficiaries Enrolled in Medicaid Managed Care by State
- Chart 1.25: Status of State Medicaid Expansion Decisions
- Chart 1.26: Total Effectuated Marketplace Enrollment by Metal Level
- Chart 1.27: Annual Change in Health Insurance Premiums
- Chart 1.28: Managed Care Average Median Operating Margins
- Chart 1.29: Operating Margins of the Top Insurers



Trendwatch Chartbook 2019 Table of Contents
Page 1

Table of Contents Page 2 Table of Contents Page 3

Table of Contents Page 4 Chapter 1 - Trends in the Overall Health Care Market

Chart 1.1 - Total National Health Expenditures Chart 1.2 - Percent Change in Total NHE Chart 1.3 - Per Capita NHE Chart 1.4 - NHE as a Percentage of GDP Chart 1.5 - NHE for Health Services and S...

Table of Contents

Chapter 2: Organizational Trends

- Chart 2.1: Number of Community Hospitals
- Chart 2.2: Number of Beds and Number of Beds per 1,000 Persons
- Chart 2.3: Beds per 1,000 by State
- Chart 2.4: Number of Hospitals in Health Systems
- Chart 2.5: Number of Medicare-certified Ambulatory Surgical Centers
- Chart 2.6: Percentage of Hospitals with Physician Affiliates by Type of Relationship
- Chart 2.7: Percentage of Hospitals with Insurance Products by Type of Insurance
- Chart 2.8: Percentage of Hospitals Offering "Non-hospital" Services
- Chart 2.9: Announced Hospital Mergers and Acquisitions

Chapter 3: Utilization and Volume

- Chart 3.1: Inpatient Admissions in Community Hospitals
- Chart 3.2: Total Inpatient Days in Community Hospitals
- Chart 3.3: Inpatient Admissions per 1,000 Persons
- Chart 3.4: Inpatient Days per 1,000 Persons
- Chart 3.5: Average Length of Stay in Community Hospitals
- Chart 3.6: Average Length of Stay in Community Hospitals by State
- Chart 3.7: Emergency Department Visits and Emergency Departments Reporting Visits in Community Hospitals
- Chart 3.8: Hospital Emergency Department Visits per 1,000 Persons
- Chart 3.9: Total Hospital Outpatient Visits in Community Hospitals
- Chart 3.10: Hospital Outpatient Visits per 1,000 Persons
- Chart 3.11: Percentage Share of Inpatient vs. Outpatient Surgeries

Chapter 4: Trends in Hospital Financing

- Chart 4.1: Percentage of Hospitals with Negative Total and Operating Margins
- Chart 4.2: Aggregate Total Hospital Margins and Operating Margins
- Chart 4.3: Distribution of Outpatient vs. Inpatient Revenues
- Chart 4.4: Annual Change in Hospital Operating Revenue and Expenses per Adjusted Admission
- Chart 4.5: Distribution of Hospital Cost by Payer Type



Chapter 1 - Trends Trendwatch Table of Contents Table of Contents **Table of Contents** Table of Contents Chart 1.2 - Percent Chart 1.3 - Per Chart 1.4 - NHE as Chart 1.5 - NHE Chart 1.1 - Total Chartbook 2019 Page 1 Page 2 Page 3 Page 4 in the Overall National Health Change in Total Capita NHE a Percentage of for Health GDP Health Care Market Expenditures NHE Services and S...

Table of Contents

Chapter 4: Trends in Hospital Financing

Chart 4.6: Aggregate Hospital Payment-to-cost Ratios for Private Payers, Medicare, and Medicaid

Chart 4.7: Hospital Payment Shortfall Relative to Costs for Medicare, Medicaid and Other Government

Chart 4.8: Income from Investments and Other Non-operating Gains as a Percentage of Total Net Revenue

Chart 4.9: Number of Bond Rating Upgrades and Downgrades, Not-for-profit Health Care

Chart 4.10: Median Average Age of Plant

Chart 4.11: Percent Change in Employment Cost Index, All Private Service Industries, All Health Services, and Hospitals

Chapter 5: Workforce

Chart 5.1: Total Number of Active Physicians per 1,000 Persons

Chart 5.2: Total Number of Active Physicians per 1,000 Persons by State

Chart 5.3: Number of Physicians and Dentists Employed by Community Hospitals

Chart 5.4: Medical and Dental Residents in Training in Community Hospitals

Chart 5.5: Total Full-time Equivalent Employees Working in Hospitals

Chart 5.6: Full-time Equivalent Employees per Adjusted Admission

Chart 5.7: Number of RN Full-time Equivalent Employees and RN FTEs per Adjusted Admission

Chart 5.8: RN Full-time Equivalent as a Percentage of Total Hospital Full-time Equivalents

Chart 5.9: Percent Distribution of RN Workforce by Age Group

Chart 5.10: RN Employment by Type of Provider

Chart 5.11: Number of Physicians by Age

Chart 5.12: Annual Percentage Change in Entry Level Baccalaureate Nursing Enrollment

Chapter 6: The Economic Contribution of Hospitals

Chart 6.1: National Health Expenditures as a Percentage of Gross Domestic Product and Breakdown of National Health Expenditures

Chart 6.2: Number of Full-time and Part-time Hospital Employees

Chart 6.3: Impact of Community Hospitals on U.S. Economy (in \$ billions)

Chart 6.4: Hospital Employment vs. Employment in Other Industries

Chart 6.5: Average Weekly Earnings of Workers, Hospitals vs. All Service-providing Industries

Chart 6.6: Hospital Employment by Occupation Type

Chart 6.7: Percent Change in Employment, Seasonally-adjusted: Hospital vs. All Industries (Total Non-farm)

Chart 6.8: Percent of Total Regional Employment by Hospitals



Chapter 1 - Trends Trendwatch Table of Contents Table of Contents Table of Contents **Table of Contents** Chart 1.1 - Total Chart 1.2 - Percent Chart 1.3 - Per Chart 1.4 - NHE as Chart 1.5 - NHE Chartbook 2019 Page 1 Page 2 Page 3 Page 4 in the Overall National Health Change in Total Capita NHE a Percentage of for Health GDP Health Care Market Expenditures NHE Services and S...

Table of Contents

Chapter 6: The Economic Contribution of Hospitals

- Chart 6.9: Impact of Community Hospitals on U.S. Jobs (in millions)
- Chart 6.10: Percent of Costs by Category in the Inpatient Prospective Payment System Hospital Market Basket
- Chart 6.11: Hospital Impact on Sectors of the U.S. Economy (in \$ billions)
- Chart 6.12: Impact of Community Hospitals on U.S. Economy; All States, DC, and Total U.S.

Chapter 7: Community Health Indicators

- Chart 7.1: U.S. Population Trends and Projections by Age
- Chart 7.2: U.S. Population Trends and Projections by Race
- Chart 7.3: Age-adjusted Death Rates, Selected Causes, by Race
- Chart 7.4: Percent of People with Chronic Conditions by Number and Sex
- Chart 7.5: Percent of Fee-for-Service Medicare Beneficiaries with Chronic Conditions
- Chart 7.6: Number of Persons with Asthma
- Chart 7.7: Percent of Adults with Hypertension by Sex
- Chart 7.8: Percent of Adults Who Are Overweight and Obese
- Chart 7.9: Percent of Expenses Used by People with Chronic Conditions by Service Type
- Chart 7.10: Percent of Spending for Individuals with Chronic Conditions by Insurance Status
- Chart 7.11: Percent of Medicare Fee-for-Service Beneficiaries vs. Percent of Medicare Spending, by Number of Chronic Conditions
- Chart 7.12: Percent of Medicare Fee-for-Service Spending on Chronic Conditions, by Type of Service
- Chart 7.13: Percent Uninsured by Race
- Chart 7.14: Percent of Adults with No Usual Source of Care by Race
- Chart 7.15: Percent of Adults with No Usual Source of Care by Insurance Status
- Chart 7.16: Percent of Children with No Usual Source of Care by Race
- Chart 7.17: Percent of Children with No Usual Source of Care by Insurance Status
- Chart 7.18: Percent of Individuals with No Health Care Visits by Race, Insurance Status
- Chart 7.19: Percent of Children with No Health Care Visits by Race, Insurance Status
- Chart 7.20: Percent of Children with No Dental Visits by Race, Poverty Status
- Chart 7.21: Percent of Children Vaccinated by Race, Poverty Status
- Chart 7.22: Percent of Women Receiving Mammography by Race, Poverty Status
- Chart 7.23: Percent of Adults with Chronic Conditions by Insurance Type
- Chart 7.24: Total Expenditures on Top 10 Most Costly Conditions Among Adults by Sex
- Chart 7.25: 30-Day Readmission Rate for Medicare Fee-for-Service Beneficiaries by Number of Chronic Conditions



Trendwatch Chartbook 2019 Table of Contents
Page 1

Table of Contents Page 2 Table of Contents Page 3 Table of Contents Page 4 Chapter 1 - Trends in the Overall Health Care Market

Chart 1.1 - Total National Health Expenditures Chart 1.2 - Percent Change in Total NHE Chart 1.3 - Per Capita NHE Chart 1.4 - NHE as a Percentage of GDP Chart 1.5 - NHE for Health Services and Supplies by C..

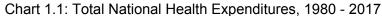


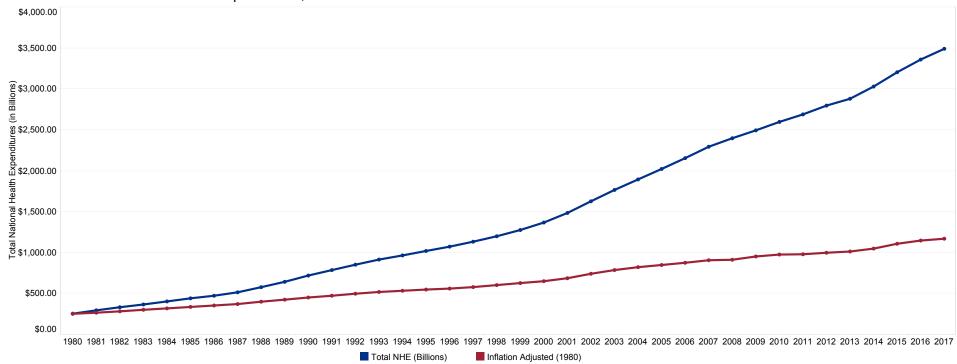
Advancing Health in America

Chapter 1

Trends in the Overall Health Care Market

Chart 1.1 - Total Chart 1.2 - Percent Chart 1.3 - Per Table of Table of Contents Table of Contents Table of Contents Chapter 1 - Trends Chart 1.4 - NHE as Chart 1.5 - NHE for Chart 1.6 - Percent National Health Change in Total Capita NHE Contents Page 1 Page 2 Page 3 Page 4 in the Overall a Percentage of Health Services Change in NHE for NHE GDP Health Care Market Selected Health S.. Expenditures and Supplies by C ..





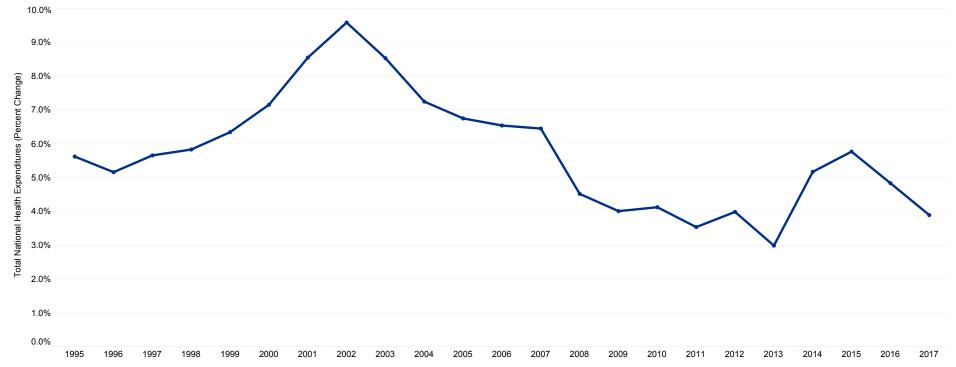
Source: Centers for Medicare & Medicaid Services. Data released December 11, 2018.

(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 https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/NationalHealthExpendData/downloads/benchmark2009.pdf









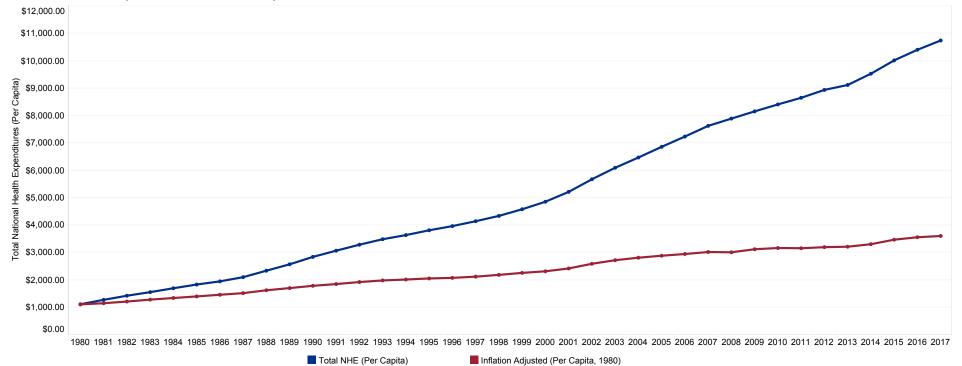
Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 11, 2018.

(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



Chart 1.3 - Per Chart 1.7 - NHE Chart 1.8 -Table of Table of Contents Chapter 1 - Trends Chart 1.1 - Total Chart 1.2 - Percent Chart 1.4 - NHE as Chart 1.5 - NHE for Chart 1.6 - Percent Contents Page 3 Capita NHE Change in NHE for Page 4 in the Overall National Health Change in Total a Percentage of Health Services Consumer Health Care Market Expenditures NHE GDP Out-of-Pocket Pay. Selected Health S. and Supplies by C..

Chart 1.3: Per Capita National Health Expenditures, 1980 - 2017(3)



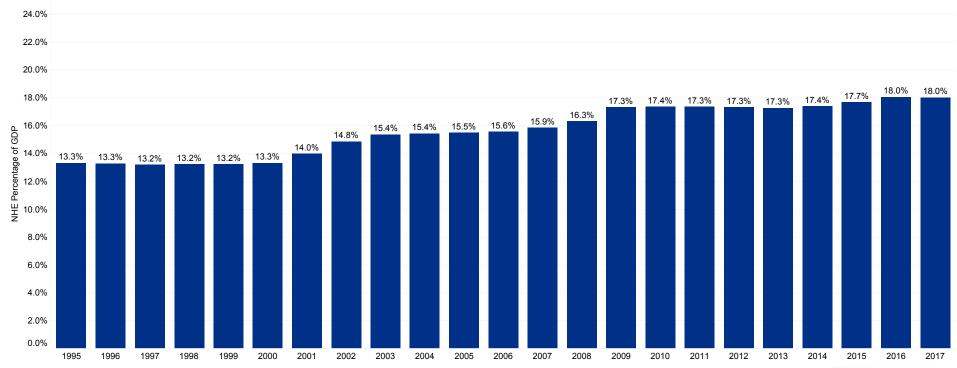
Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 11, 2018.

(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/notionlikealthexpenddata/downloads/benchmark2009.pdf.

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



Chart 1.4: National Health Expenditures as a Percentage of Gross Domestic Product, 1995 - 2017(2)



Source:

NHE Data: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 11, 2018.

GDP: World Bank national accounts data, and OECD National Accounts data files.

(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...



Chapter 1 -Trends in the Overall Health ... Chart 1.1 - Total National Health Expenditures Chart 1.2 - Percent Change in Total NHE Chart 1.3 - Per Capita NHE Chart 1.4 - NHE as a Percentage of GDP

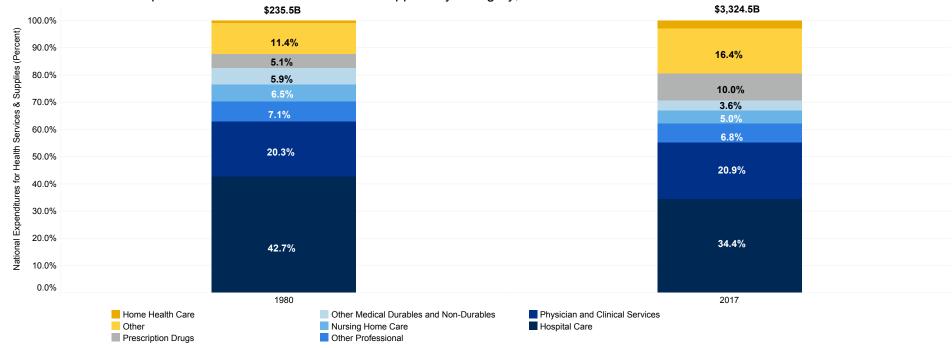
Chart 1.5 - NHE for Health Services and Supplies by C...

Chart 1.6 - Percent Change in NHE for Selected Health S.. Chart 1.7 - NHE Chart 1.8 - Consumer

Chart 1.8 - Chart 1.9 - Total
Consumer Prescription Drug
Out-of-Pocket Pay.. Spending

- Total Chart 1.10 ion Drug Consumer
Ouf-of-Pocket Sp...

Chart 1.5: National Expenditures for Health Services and Supplies by Category, 1980 and 2017



Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 11, 2018.

(3) "Other" includes net cost of insurance and administration, government public health activities, and other personal health care

(4) "Other professional" includes dental and other non-physician professional services.



⁽¹⁾ Excludes medical research and medical facilities construction.

⁽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.

Chart 1.1 - Total National Health Expenditures Chart 1.2 - Percent Change in Total NHE Chart 1.3 - Per Capita NHE Chart 1.4 - NHE as a Percentage of GDP

Chart 1.5 - NHE for Health Services and Supplies by C...

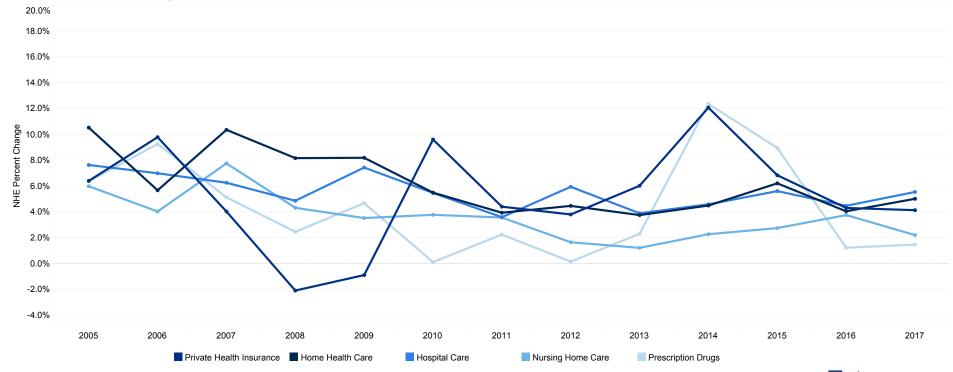
Chart 1.6 - Percent Change in NHE for Selected Health S..

Chart 1.7 - NHE Chart 1.8 - Consumer

Chart 1.8 - Chart 1.9 - Total
Consumer Prescription Drug
Out-of-Pocket Pay.. Spending

otal Chart 1.10 -Drug Consumer Ouf-of-Pocket Sp.. Chart 1.11 -Distribution of NHE by Payment Source

Chart 1.6: Percent Change in National Health Expenditures for Selected Health Services and Supplies, 2005 - 2017



Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 11, 2018.

(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.

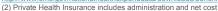




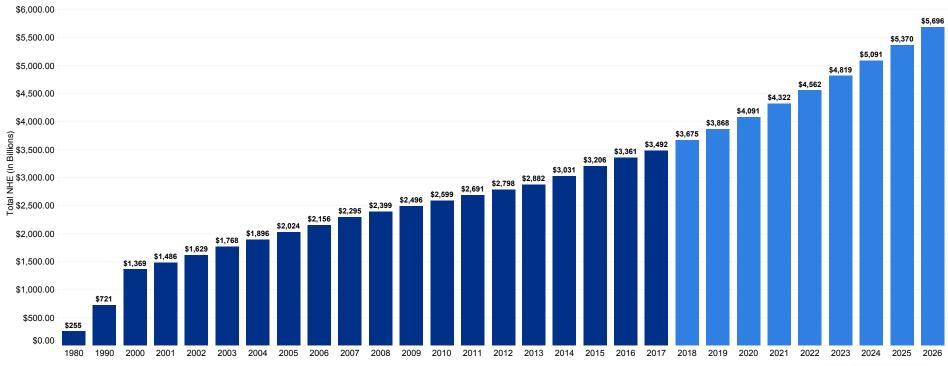
Chart 1.2 -Percent Change in Total NHE Chart 1.3 - Per Capita NHE Chart 1.4 - NHE as a Percentage of GDP

Chart 1.5 - NHE for Health Services and Supplies by C...

Chart 1.6 - Percent Change in NHE for Selected Health S.. Chart 1.7 - NHE Chart 1.8 Consumer
Out-of-Pocket Pay..

Chart 1.9 - Total Prescription Drug Spending Chart 1.10 -Consumer Ouf-of-Pocket Sp.. Chart 1.11 -Distribution of NHE by Payment Source Chart 1.12 -Distribution of Health Insurance ...

Chart 1.7: National Health Expenditures, 1980 - 2026



Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 11, 2018.

(1) Years 2018 - 2026 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.



Chart 1.4 - NHE as a Percentage of GDP

Chart 1.5 - NHE for Health Services and Supplies by C..

Change in NHE for Selected Health S.

Chart 1.6 - Percent Chart 1.7 - NHE

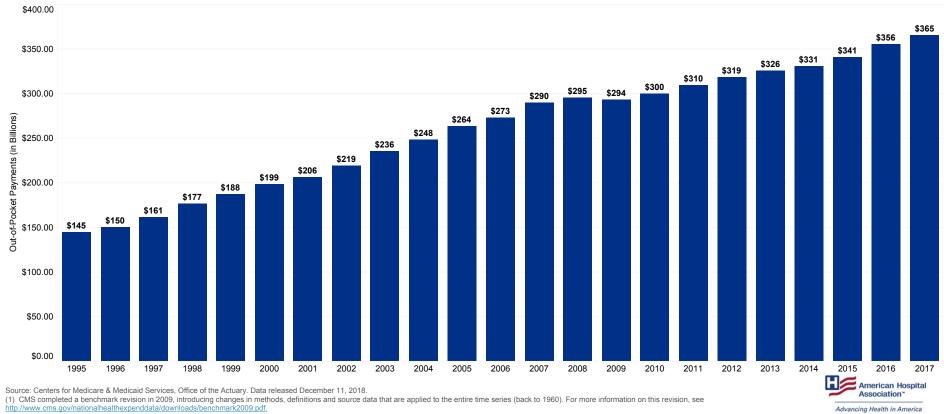
Chart 1.8 -Consumer Out-of-Pocket Pay.. Chart 1.9 - Total Prescription Drug Spending

Chart 1.10 -Consumer Ouf-of-Pocket Sp.

Chart 1.11 -Distribution of NHE by Payment Source

Chart 1.12 -Distribution of Health Insurance .. Chart 1.13 -Number and Percent Uninsured

Chart 1.8: Consumer Out-of-Pocket Payments for National Health Expenditures, 1995 - 2017



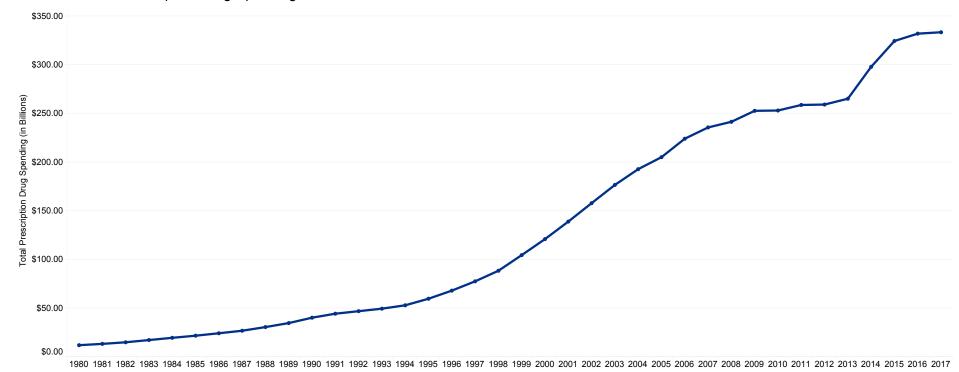
http://www.cms.gov/nationalhealthexpenddata/downloads/benchmark2009.pdf.

Chart 1.4 - NHE as a Percentage of GDP

Chart 1.5 - NHE for Health Services and Supplies by C.. Chart 1.6 - Percent Change in NHE for Selected Health S.. Chart 1.7 - NHE

Chart 1.8 -Consumer Out-of-Pocket Pay... Chart 1.9 - Total Prescription Drug Spending Chart 1.10 -Consumer Ouf-of-Pocket Sp.. Chart 1.11 -Distribution of NHE by Payment Source Chart 1.12 -Distribution of Health Insurance ... Chart 1.13 -Number and Percent Uninsured Chart 1.14 Percent Uninsured by State

Chart 1.9: Total Prescription Drug Spending, 1980 - 2017



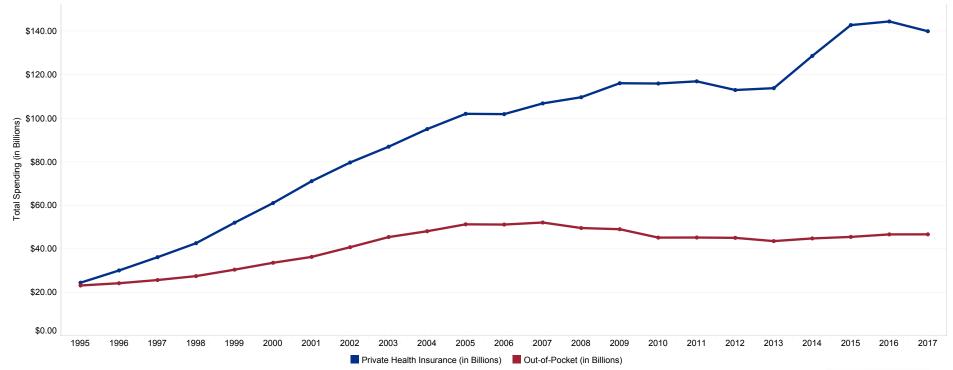
Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 11, 2018.

(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.



Chart 1.5 - NHE Chart 1.6 - Percent Chart 1.7 - NHE Chart 1.10 -Chart 1.8 -Chart 1.9 - Total Chart 1.11 -Chart 1.12 -Chart 1.13 -Chart 1.14 Percent Chart 1.15 -Change in NHE for for Health Consumer Prescription Drug Consumer Distribution of NHE Distribution of Number and Uninsured by State Medicare Enrollees Out-of-Pocket Pay.. Services and Su.. Selected Health S. Spending Ouf-of-Pocket Sp.. by Payment Source Health Insurance . Percent Uninsured

Chart 1.10: Consumer Out-of-Pocket Spending vs. Private Health Insurance Spending for Prescription Drugs, 1995 - 2017



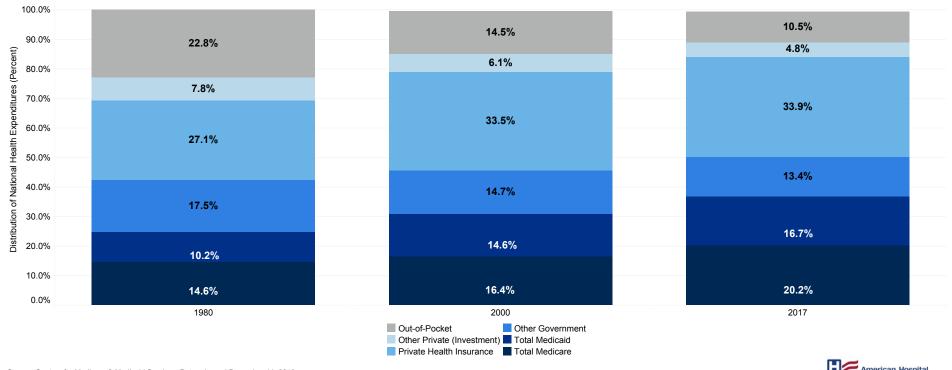
Source: Centers for Medicare & Medicaid Services. Data released December 11, 2018.

(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 https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Transk-and-Reports/National-Health Expendibate/Appendix / Nephmark 2009 ndf



Chart 1.6 -Chart 1.7 - NHE Chart 1.11 -Chart 1.14 Percent Chart 1.8 -Chart 1.9 - Total Chart 1.10 -Chart 1.12 -Chart 1.13 -Chart 1.15 -Chart 1.16 Percent Change Prescription Drug Distribution of NHE Uninsured by State Medicare Enrollees -Medicaid Consumer Consumer Distribution of Number and in NHE for Sele... Out-of-Pocket Pay.. Spending Ouf-of-Pocket Sp. Health Insurance . Enrollees by Payment Source Percent Uninsured

Chart 1.11: Distribution of National Health Expenditures by Source of Payment, 1980, 2000, and 2017

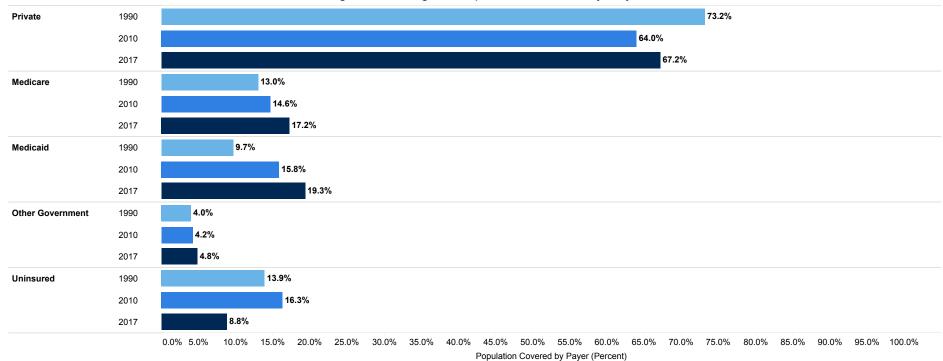


Source: Centers for Medicare & Medicaid Services. Data released December 11, 2018.

(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 https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/NationalHealthExpendData/downloads/benchmark2009.pdf



Chart 1.12: Distribution of Health Insurance Coverage, Percentage of Population Covered by Payer, 1990, 2010, and 2017



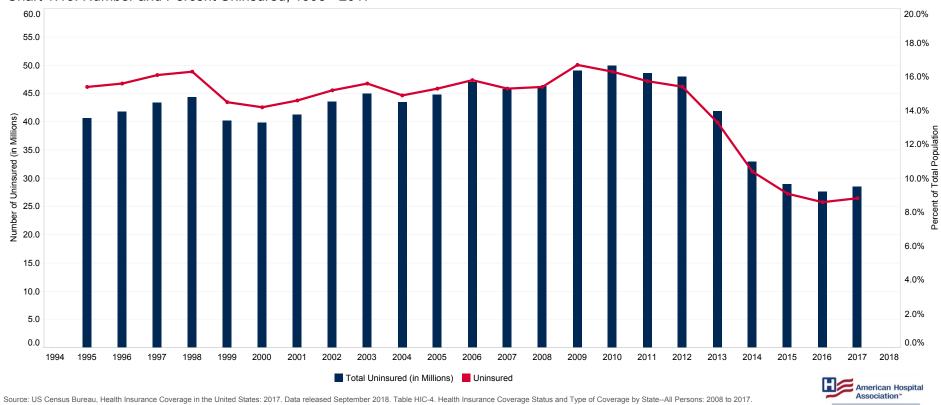
Source: US Census Bureau, Current Population Survey, 2017 Annual and Social Economic Supplement. Data released September 2018. Table 1. Coverage Numbers and Rates by Type of Health Insurance: 2013, 2016, and 2017 https://www.census.gov/content/dam/Census/library/publications/2018/demo/660-264.pdf

(1) Percentages across categories do not sum to 100 percent, as individuals may maintain coverage from multiple payers (e.g. Medicare and Medicaid, Medicare and private, etc.)



Chart 1.8 -Chart 1.13 -Chart 1.14 Percent Chart 1.17 -Chart 1.18 -Chart 1.9 - Total Chart 1.10 -Chart 1.11 -Chart 1.12 -Chart 1.15 -Chart 1.16 Prescription Drug Medicare Enrollees National CHIP Consumer Consumer Distribution of NHE Distribution of Number and Uninsured by State -Medicaid Percent Change in Out-of-Pocket P.. Ouf-of-Pocket Sp.. by Payment Source Enrollees Enrollment CHIP Enrollment .. Spending Health Insurance Percent Uninsured

Chart 1.13: Number and Percent Uninsured, 1995 - 2017



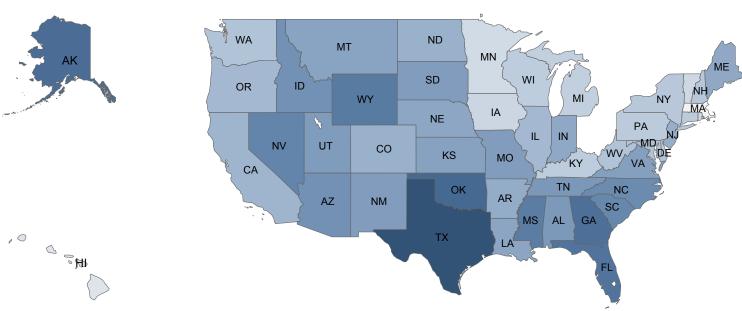
Advancing Health in America

https://www2.census.gov/programs-surveys/demo/tables/health-insurance/time-series/acs/hic04_acs.xls

Chart 1.12 -Chart 1.9 - Total Chart 1.10 -Chart 1.11 -Chart 1.13 -Chart 1.14 Percent Chart 1.15 -Chart 1.16 Chart 1.17 -Chart 1.18 -Chart 1.19 -Prescription Drug Spending Consumer Distribution of NHE Distribution of Number and Uninsured by State Medicare Enrollees -Medicaid National CHIP Percent Change in Percentage of Enrollees CHIP Enrollment .. Ouf-of-Pocket Sp.. by Payment Source Health Insurance .. Percent Uninsured Enrollment Employees with E.

Chart 1.14: Percent Uninsured by State, 2017

2.8% 17.3%

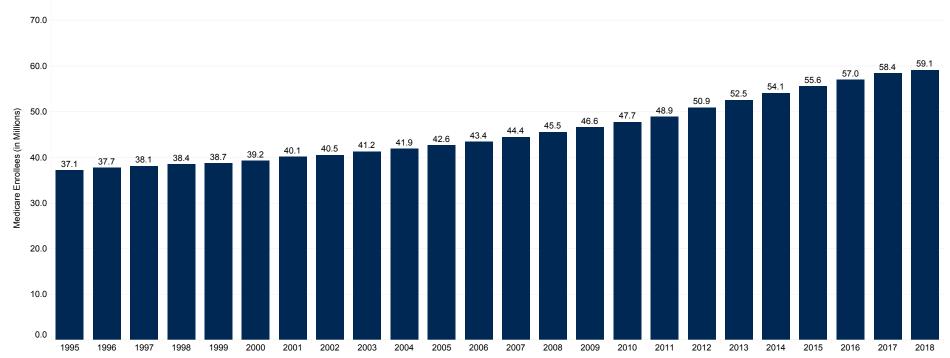




Source: US Census Bureau, Health Insurance Coverage in the United States: 2017. Data released September 2018. Table HIC-4. Health Insurance Coverage Status and Type of Coverage by State-All Persons: 2008 to 2017. https://www2.census.gov/programs-surveys/demo/tables/health-insurance/time-series/acs/hic04_acs.xls

Chart 1.12 -Chart 1.10 -Chart 1.11 -Chart 1.13 -Chart 1.14 Percent Chart 1.15 -Chart 1.16 Chart 1.17 -Chart 1.18 -Chart 1.20 -Chart 1.19 -Consumer Distribution of NHE Distribution of Number and Uninsured by State Medicare Enrollees -Medicaid National CHIP Percent Change in Percentage of Distribution of Enrollees Ouf-of-Pocket S.. by Payment Source Health Insurance . Percent Uninsured Enrollment CHIP Enrollment . Employees with E.. Employer-Sponso.

Chart 1.15: Medicare Enrollees, 1995 - 2018



Source: Centers for Medicare & Medicaid Services. Medicare Enrollment: National Trends, 1966 – 2005; Centers for Medicare & Medicaid Services, Office of the Actuary. Medicare Aged and Disabled Enrollees by Type of Coverage. Email correspondence with CMS staff (for years 2001 – 2015); Centers for Medicare & Medicaid Services Program Data Populations, CMS Fast Facts (for years 2016 - 2018)

(1) Hospital insurance (Part A) enrollees and/or Supplementary Medical Insurance (Part B) enrollees, including enrollees with Medicare Advantage; includes all persons (aged and disabled).

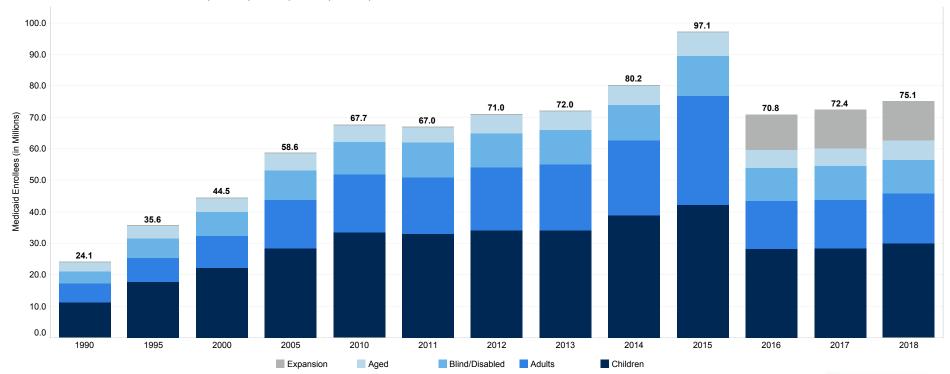




Advancing Health in America

Chart 1.11 -Chart 1.14 Percent Chart 1.16 Chart 1.17 -Chart 1.12 -Chart 1.13 -Chart 1.15 -Chart 1.18 -Chart 1.19 -Chart 1.20 -Chart 1.21 -Distribution of Distribution of Uninsured by State Medicare Enrollees -Medicaid National CHIP Distribution of Percentage of Number and Percent Change in Percentage of NHE by Payme.. CHIP Enrollment . Medicare Benefici. Enrollees Enrollment Employees with E.. Employer-Sponso.. Health Insurance .. Percent Uninsured

Chart 1.16: Medicaid Enrollees, 1990, 1995, 2000, 2005, 2010 - 2018



Source: Centers for Medicare & Medicaid Services Program Data Populations, CMS Fast Facts (for years 2016 - 2018) https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/CMS-Fast-Facts/index.html (1) Expansion Adult added as a category after 2015. CMS Correspondence prior to 2016



Chart 1.14 Percent Chart 1.15 -Uninsured by State Medicare Enrollees

Chart 1.16 -Medicaid Enrollees

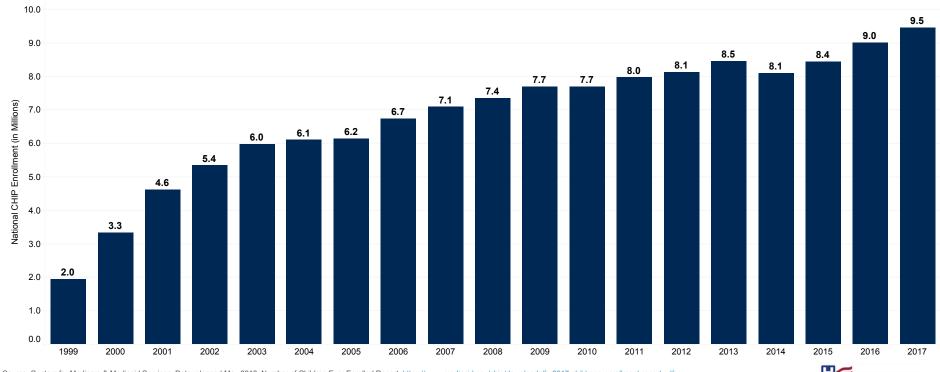
Chart 1.17 -National CHIP Enrollment

Chart 1.18 -Percent Change in CHIP Enrollment .

Chart 1.19 -Percentage of Employees with E.

Chart 1.20 -Distribution of Employer-Sponso.. Chart 1.21 -Percentage of Medicare Benefici. Chart 1.22 -Percent Growth in Medicare Spendin..

Chart 1.17: National CHIP Enrollment, FY1999 - FY2017



Source: Centers for Medicare & Medicaid Services. Data released May 2018. Number of Children Ever Enrolled Report. https://www.medicaid.gov/chip/downloads/fy-2017-childrens-enrollment-report.pdf

(1) Number of children enrolled at any point in the year.
(2) 2009 figure reflects revised data released by Centers for Medicare & Medicaid Services on February 1, 2011.



Chart 1.17 -National CHIP Chart 1.22 -Percent Growth in Chart 1.21 -Chart 1.13 -Chart 1.14 Percent Chart 1.15 -Chart 1.16 Chart 1.18 -Chart 1.19 -Chart 1.20 -Chart 1.23 -Percent Change in Percentage of Employees with E.. Number and Uninsured by State Medicare Enrollees -Medicaid Distribution of Percentage of Percentage of Enrollees Enrollment CHIP Enrollment .. Medicare Benefici... Medicare Spendin.. Medicaid Benefici.. Percent Uninsur.. Employer-Sponso..

Chart 1.18: Percent Change in CHIP Enrollment by State, FY2016 - FY2017

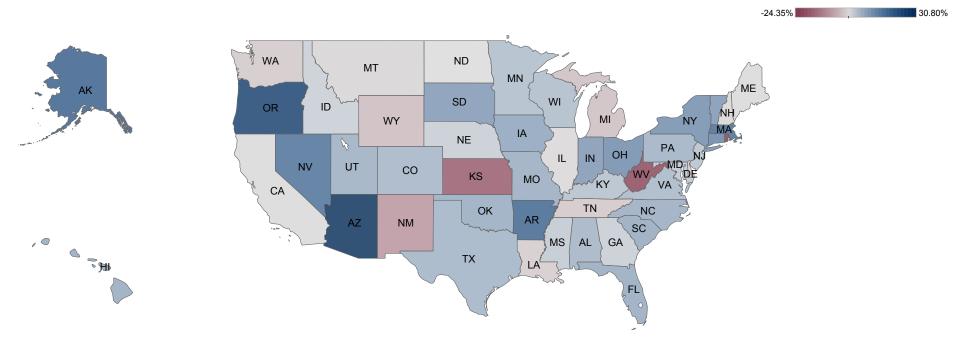
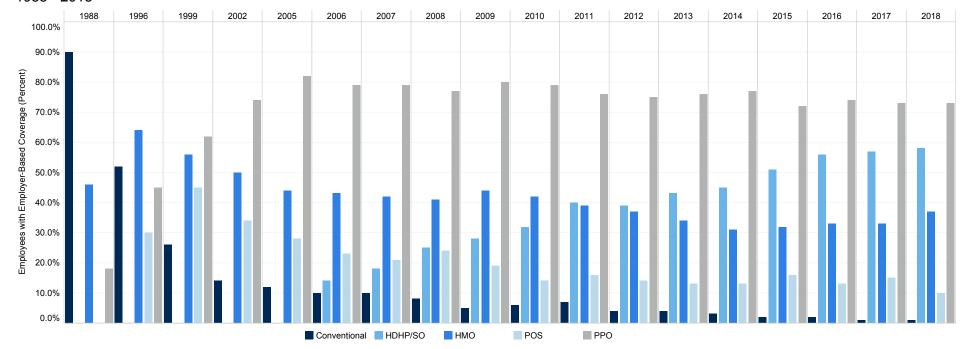




Chart 1.14 Percent Uninsured by St... Chart 1.15 -Medicare Enrollees Chart 1.16
-Medicaid
Enrollees

Chart 1.17 -National CHIP Enrollment Chart 1.18 -Percent Change in CHIP Enrollment ... Chart 1.19 -Percentage of Employees with E... Chart 1.20 -Distribution of Employer-Sponso... Chart 1.21 -Percentage of Medicare Benefici. Chart 1.22 -Percent Growth in Medicare Spendin... Chart 1.23 -Percentage of Medicaid Benefici.. Chart 1.24 Percentage of Medicaid Benefici...

Chart 1.19: Percentage of Employees with Employer-Based Coverage Who Can Choose Conventional, PPO, HMO, POS and HDHP/SO Plans, 1988 - 2018



Source: The Kaiser Family Foundation and Health Research and Educational Trust. Data Released 2017. Employer Health Benefits: 1999, 2002, 2006 – 2018. https://www.kff.org/health-costs/report/2018-employer-health-benefits-survey/PPO: Preferred Provider Organization; HMO: Health Maintenance Organization. HDHP/SO: High-Deductible Health Plan with Savings Option

(1) Conventional plans refer to traditional indemnity plans.

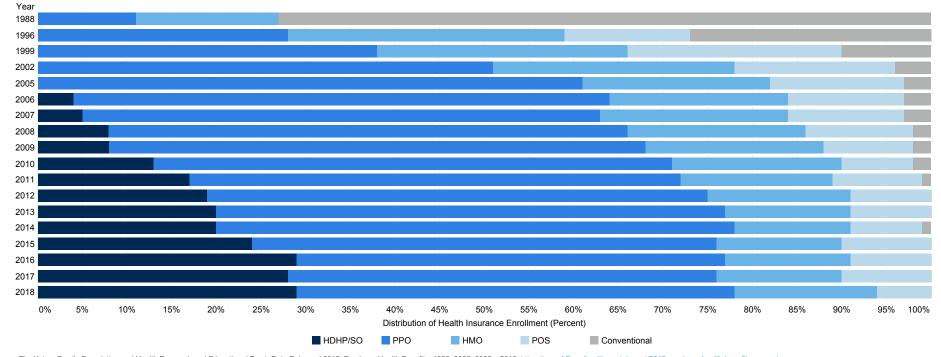
(2) Point-of-service (POS) plans not separately identified in 1988.

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



Chart 1.15 -Chart 1.16 Chart 1.20 -Chart 1.25 Status Chart 1.17 -Chart 1.18 -Chart 1.19 -Chart 1.21 -Chart 1.22 -Chart 1.23 -Chart 1.24 -Medicaid National CHIP Medicare Percent Change in Percentage of Distribution of Percentage of Percent Growth in Percentage of Percentage of of State Medicaid Enrollees Medicare Benefici. Enrollees Enrollment CHIP Enrollment. Employees with E. Employer-Sponso.. Medicare Spendin. Medicaid Benefici. Medicaid Benefici.. Expansion Decisi.

Chart 1.20: Distribution of Employer-Sponsored Health Insurance Enrollment by Type of Plan, 1988 - 2018



Source: The Kaiser Family Foundation and Health Research and Educational Trust. Data Released 2018. Employer Health Benefits: 1999, 2002, 2006 – 2018. https://www.kff.org/health-costs/report/2018-employer-health-benefits-survey/PPO: Preferred Provider Organization; HMO: Health Maintenance Organization.; HDHP/SO: High-Deductible Health Plan with Savings Option

(1) Conventional plans refer to traditional indemnity plans.

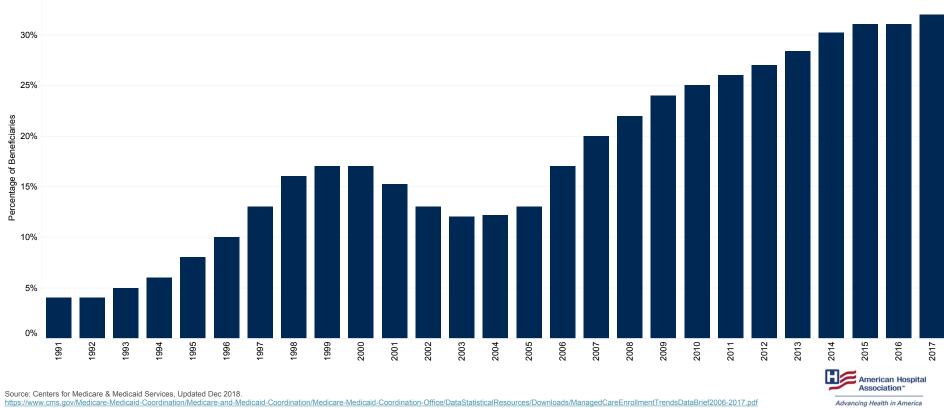
(2) Point-of-service (POS) plans not separately identified in 1988.

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



Chart 1.16 Chart 1.21 -Chart 1.26 - Total Chart 1.17 -Chart 1.18 -Chart 1.19 -Chart 1.20 -Chart 1.22 -Chart 1.23 -Chart 1.24 Chart 1.25 Status -Medicaid National CHIP Percent Change in Percentage of Distribution of Percentage of Percent Growth in Percentage of Percentage of of State Medicaid Effectuated CHIP Enrollment . Medicaid Benefici.. Medicaid Benefici. Enrollees Enrollment Employees with E.. Employer-Sponso. Medicare Benefici... Medicare Spendin.. Expansion Decisi.. Marketplace Enrol.

Chart 1.21: Percentage of Medicare Beneficiaries Enrolled in Medicare Managed Care, 1995 - 2017



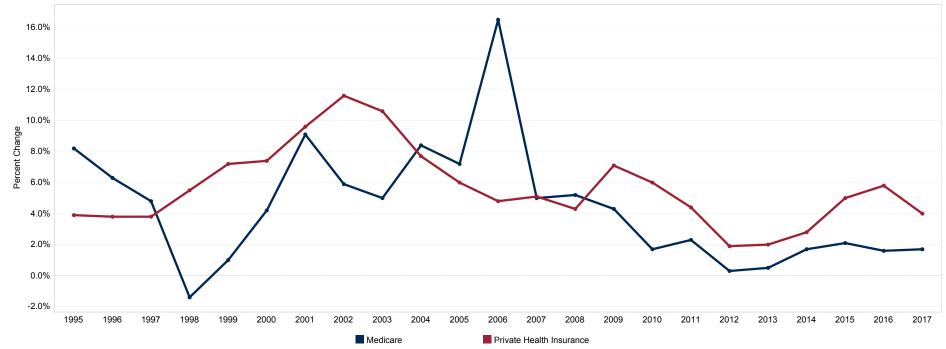
https://www.cms.gov/Medicare-Medicaid-Coordination/Medicare-and-Medicare-Medicaid-Coordination/Medicare-Medicaid-Coordinatio

Chart 1.17 -National CHIP Enrollment Chart 1.18 -Percent Change in CHIP Enrollment ... Chart 1.19 -Percentage of Employees with E.. Chart 1.20 -Distribution of Employer-Sponso... Chart 1.21 -Percentage of Medicare Benefici. Chart 1.22 -Percent Growth in Medicare Spendin.. Chart 1.23 -Percentage of Medicaid Benefici... Chart 1.24
Percentage of
Medicaid Benefici...

Chart 1.25 Status of State Medicaid Expansion Decisi.

Chart 1.26 - Total Effectuated Marketplace Enrol.. Chart 1.27 - Annual Change in Health Insurance Premiu..

Chart 1.22: Percent Growth in Medicare Spending per Beneficiary vs. Private Health Insurance Spending per Enrollee, 1995 – 2017



Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 11, 2018. NHE Table 21

(1) (1) to say "CMS completed benchmark revisions in 2009 and 2014. For more information, see

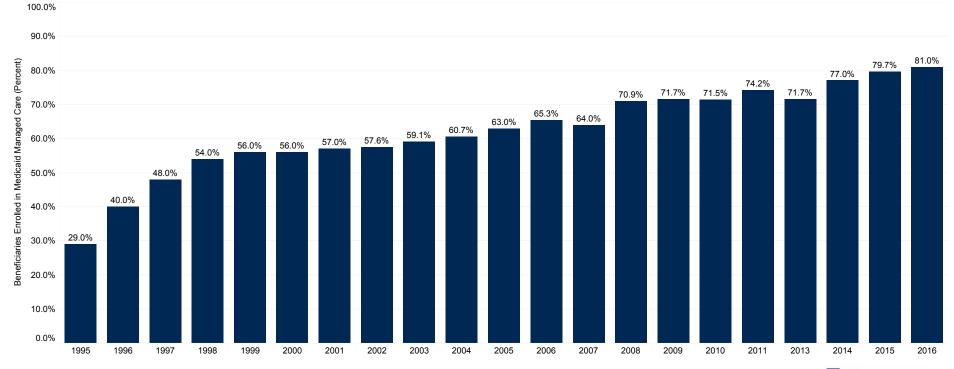
https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/NationalHealthExpendData/NationalHealthAccountsHistorical.html"

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



Chart 1.18 -Chart 1.19 -Chart 1.20 -Chart 1.21 -Chart 1.22 -Chart 1.23 -Chart 1.24 Chart 1.25 Status Chart 1.26 - Total Chart 1.27 - Annual Chart 1.28 -Percent Change Percentage of Distribution of Percentage of Percent Growth in Percentage of Percentage of of State Medicaid Effectuated Change in Health Managed Care in CHIP Enrollm.. Insurance Premiu. Employees with E.. Employer-Sponso.. Medicare Benefici. Medicare Spendin. Medicaid Benefici... Medicaid Benefici... Expansion Decisi.. Marketplace Enrol. Plan Average Ope...

Chart 1.23: Percentage of Medicaid Beneficiaries Enrolled in Medicaid Managed Care, 1995 - 2011, 2013 - 2016



Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Medicaid Managed Care Enrollment and Program Characteristics, 2016, released Spring 2018. https://www.medicaid.gov/medicaid/managed-care/downloads/enrollment/2015-medicaid-managed-care-enrollment-report.pdf.

(1) CMS has not released data for 2012 total Medicaid managed care enrollment.



Chart 1.19 -Percentage of Employees with ... Chart 1.20 -Distribution of Employer-Sponso.. Chart 1.21 -Percentage of Medicare Benefici..

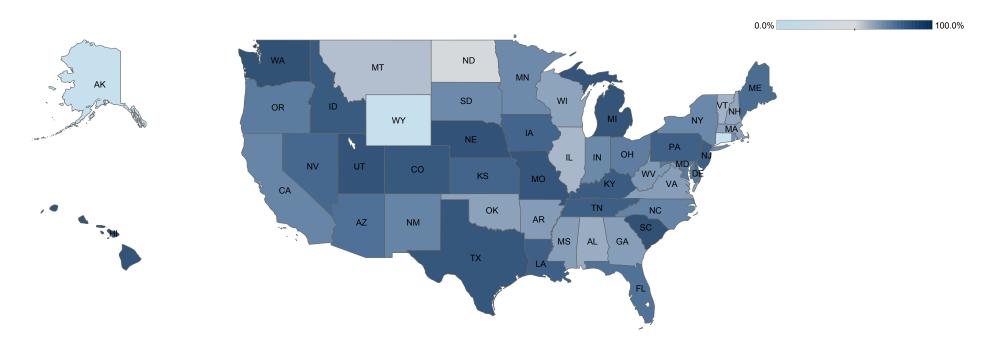
Chart 1.22 Percent Growth in
Medicare Spendin.

Chart 1.23 -Percentage of Medicaid Benefici... Chart 1.24
Percentage of
Medicaid Benefici..

Chart 1.25 Status of State Medicaid Expansion Decisi.

Chart 1.26 - Total Effectuated Marketplace Enrol. Chart 1.27 - Annual Change in Health Insurance Premiu. Chart 1.28 -Managed Care Plan Average Ope.. Chart 1.29 -Operating Margins of the Top Insurers

Chart 1.24: Percentage of Medicaid Beneficiaries Enrolled in Medicaid Managed Care by State, 2016



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. https://www2.census.gov/programs-surveys/demo/tables/health-insurance/time-series/acs/hic04_acs.xls
(1) Chart represents a weighted average uninsured rate for the years indicated.



Chart 1.20 -Distribution of Employer-Spon..

Chart 1.21 -Percentage of Medicare Benefici.. Chart 1.22 -Percent Growth in Medicare Spendin..

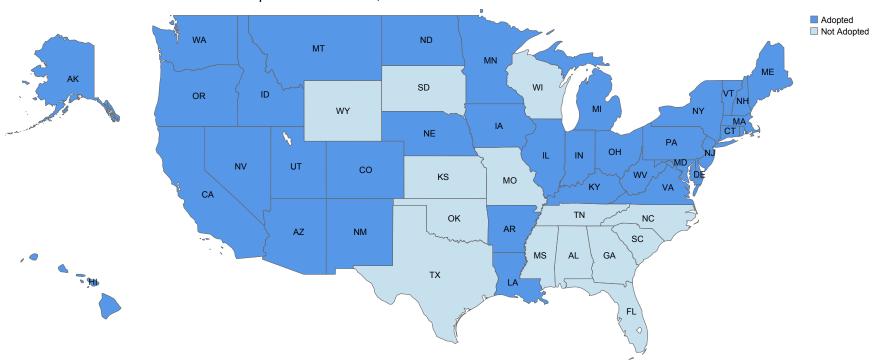
Chart 1.23 Percentage of
Medicaid Benefici..

Chart 1.24
Percentage of
Medicaid Benefici...

Chart 1.25 Status of State Medicaid Expansion Decisi...

Chart 1.26 - Total Effectuated Marketplace Enrol.. Chart 1.27 - Annual Change in Health Insurance Premiu.. Chart 1.28 -Managed Care Plan Average Ope.. Chart 1.29 -Operating Margins of the Top Insurers Chapter 2 -Organizational Trends

Chart 1.25: Status of State Medicaid Expansion Decisions, 2018



Source: Kaiser Family Foundation. Data as of January 2018. Current Status of State Medicaid Expansion Decisions. Kaiser Family Foundation Chart added in Chartbook 2016.

Note: AR, IA, IN, MI, MT, and NH are pursuing alternative expansion models.



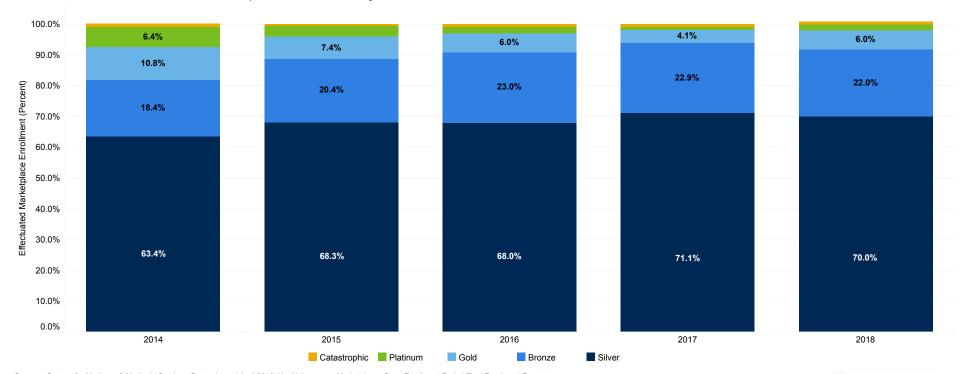
Chart 1.21 -Percentage of Medicare Benefi... Chart 1.22 -Percent Growth in Medicare Spendin. Chart 1.23 -Percentage of Medicaid Benefici.. Chart 1.24
Percentage of
Medicaid Benefici...

Chart 1.25 Status of State Medicaid Expansion Decisi.

Chart 1.26 - Total Effectuated Marketplace Enrol.. Chart 1.27 - Annual Change in Health Insurance Premiu...

Chart 1.28 -Managed Care Plan Average Ope... Chart 1.29 -Operating Margins of the Top Insurers Chapter 2 -Organizational Trends Chart 2.1 - Number of Community Hospitals

Chart 1.26: Total Effectuated Marketplace Enrollment by Metal Level, 2014 - 2018



Sources: Centers for Medicare & Medicaid Services. Data released April 2018. Health Insurance Marketplaces Open Enrollment Period Final Enrollment Report.

https://www.cms.gov/Newsroom/MediaReleaseDatabase/Fact-sheets/2018-Fact-sheets-items/2018-04-03.html and ASPE Issue Brief. Health Insurance Marketplace 2016 Open Enrollment Period: Final Enrollment Report. Data Released March 2016. https://www.cms.gov/system/files/pdf/187866/Finalenrollment2016.pdf and Health Insurance Marketplaces 2017 Open Enrollment Final Enrollment Report: November 1, 2016 – January 31, 2017.

https://www.cms.gov/Newsroom/MediaReleaseDatabase/Fact-sheets/2017-Fact-Sheet-items/2017-03-15.html

Chart added in Chartbook 2016.



Chart 2.2 - Number Chart 1.22 -Chart 1.23 -Chart 1.24 Chart 1.25 Status Chart 1.26 - Total Chart 1.27 - Annual Chart 1.28 -Chart 1.29 -Chapter 2 -Chart 2.1 - Number Percent Growth Percentage of Percentage of of State Medicaid Effectuated Change in Health Managed Care Operating Margins Organizational of Community of Beds and per Medicaid Benefici.. Marketplace Enrol. 1,000 Persons in Medicare Spe.. Medicaid Benefici.. Expansion Decisi. Insurance Premiu.. Plan Average Ope.. of the Top Insurers Trends Hospitals

Chart 1.27: Annual Change in Health Insurance Premiums, 2000 - 2018

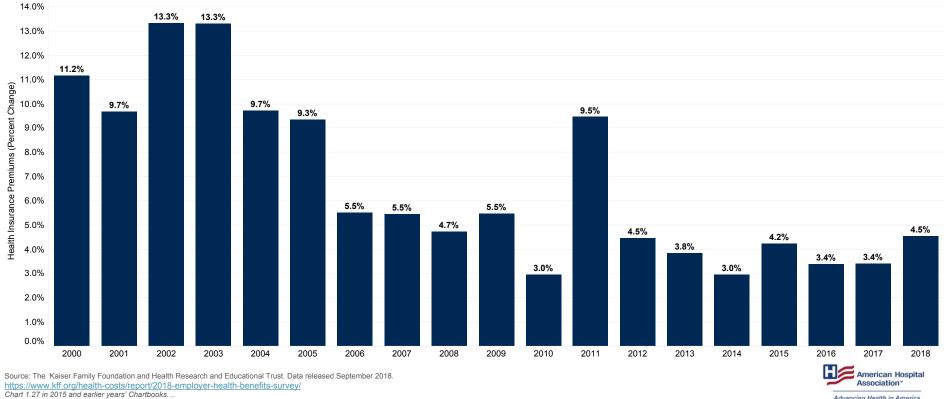




Chart 1.23 -Chart 1.25 Status Chart 1.28 -Chapter 2 -Chart 2.2 - Number Chart 2.3 - Beds Chart 1.24 Chart 1.26 - Total Chart 1.27 - Annual Chart 1.29 -Chart 2.1 - Number Percentage of of State Medicaid Managed Care Organizational of Beds and per per 1,000 Persons Percentage of Effectuated Change in Health Operating Margins of Community Medicaid Benefi.. Trends 1,000 Persons Medicaid Benefici.. Expansion Decisi. Insurance Premiu.. of the Top Insurers Hospitals by State Marketplace Enrol.. Plan Average Ope..

Chart 1.28: Managed Care Plan Average Operating Margins, 1998 - 2018

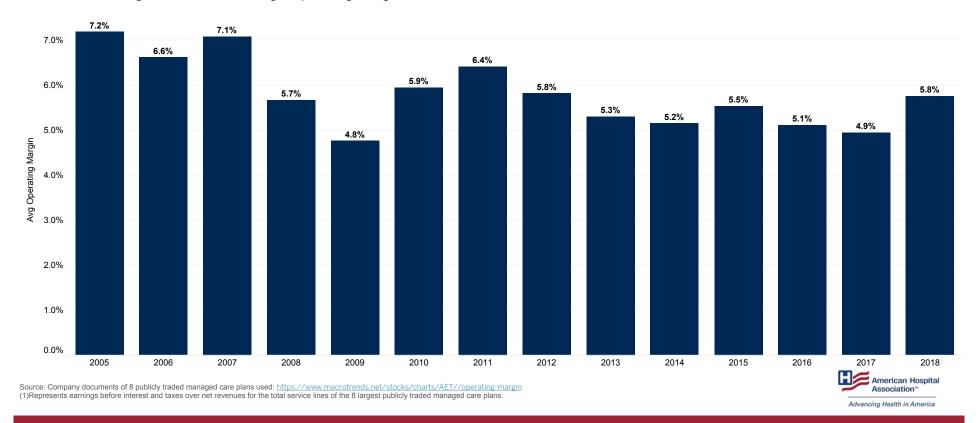


Chart 1.24 Percentage of Medicaid Benefi.. Chart 1.25 Status of State Medicaid Expansion Decisi...

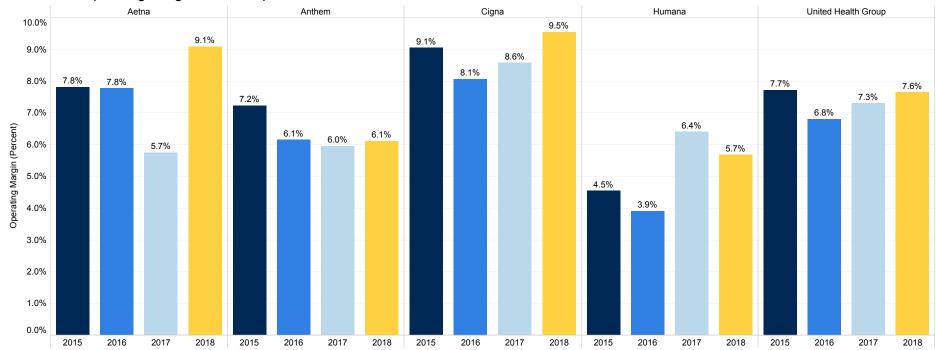
Chart 1.26 - Total Effectuated Marketplace Enrol.. Chart 1.27 - Annual Change in Health Insurance Premiu..

Chart 1.28 -Managed Care Plan Average Ope.. Chart 1.29 -Operating Margins of the Top Insurers Chapter 2 -Organizational Trends Chart 2.1 - Number of Community Hospitals

Chart 2.2 - Number of Beds and per 1,000 Persons

Chart 2.3 - Beds per 1,000 Persons by State Chart 2.4 - Number of Hospitals in Health Systems

Chart 1.29: Operating Margins of the Top Insurers, 2015 - 2018



Source: Company documents of publicly traded managed care plans used: https://www.macrotrends.net/stocks/charts/AET//operating-margin (1)Represents earnings before interest and taxes over net revenues for the total service lines of the selected 5 largest publicly traded managed care plans.





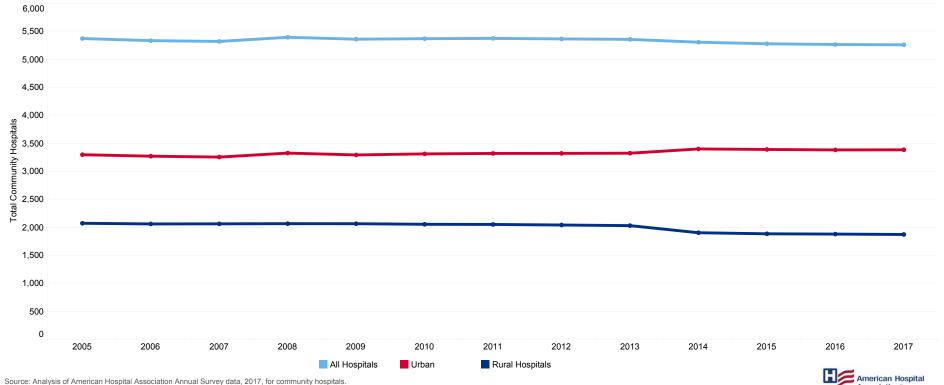
Advancing Health in America

Chapter 2

Organizational Trends

Chart 1.26 - Total Chart 1.27 - Annual Chapter 2 -Chart 2.1 - Number Chart 2.2 - Number Chart 2.3 - Beds Chart 2.4 - Number Chart 1.28 -Chart 1.29 -Chart 2.5 - Number Chart 2.6 -Effectuated Operating Margins Organizational of Community of Beds and per per 1,000 Persons of Hospitals in Change in Health Managed Care Percentage of 1,000 Persons Health Systems Marketplace Enr.. Insurance Premiu.. Plan Äverage Ope.. Trends Hospitals by State Hospitals with Phy. of the Top Insurers Medicare-Certified..

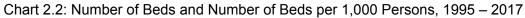
Chart 2.1: Number of Community Hospitals, 1995 – 2017

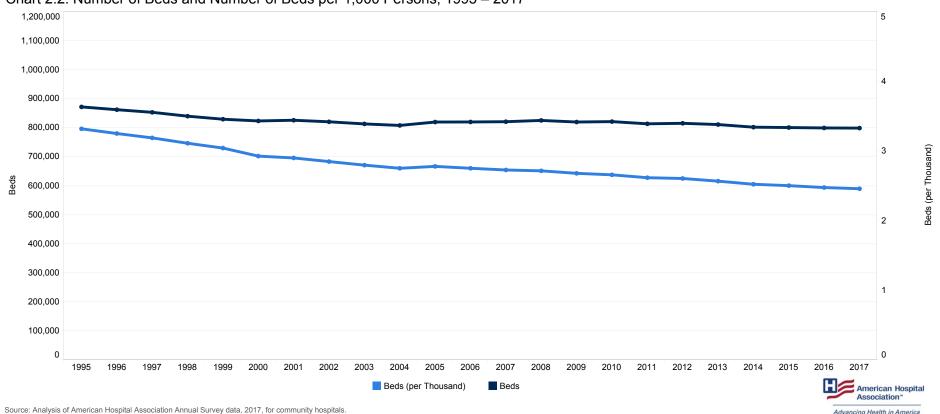


(1) All non-federal, short-term general and specialty hospitals whose facilities and services are available to the public.
(2) Data on the number of urban and rural hospitals in 2004 and beyond were collected using coding different from previous years to reflect new Centers for Medicare & Medicaid Services wage area designations.



Chart 1.27 -Chapter 2 -Chart 2.1 - Number Chart 2.2 - Number Chart 2.3 - Beds Chart 2.4 - Number Chart 2.7 - Number Chart 1.28 -Chart 1.29 -Chart 2.5 - Number Chart 2.6 -Annual Change Operating Margins Organizational Managed Care of Community of Beds and per per 1,000 Persons of Hospitals in Percentage of of Hospitals/Health in Health Insura.. Plan Äverage Ope.. of the Top Insurers 1,000 Persons by State Health Systems Medicare-Certified.. Hospitals with Phy.. Trends Hospitals Systems Reportin..





Advancing Health in America

Chart 1.28 -Managed Care Plan Average O.. Chart 1.29 -Operating Margins of the Top Insurers Chapter 2 -Organizational Trends Chart 2.1 - Number of Community Hospitals

Chart 2.2 - Number of Beds and per 1,000 Persons

Chart 2.3 - Beds per 1,000 Persons by State Chart 2.4 - Number of Hospitals in Health Systems Chart 2.5 - Number of Medicare-Certified...

Chart 2.6 -Percentage of Hospitals with Phy.. Chart 2.7 - Number of Hospitals/Health Systems Reportin..

Chart 2.8 -Percentage of Hospitals Offering..

Chart 2.3: Beds per 1,000 Persons by State, 2017





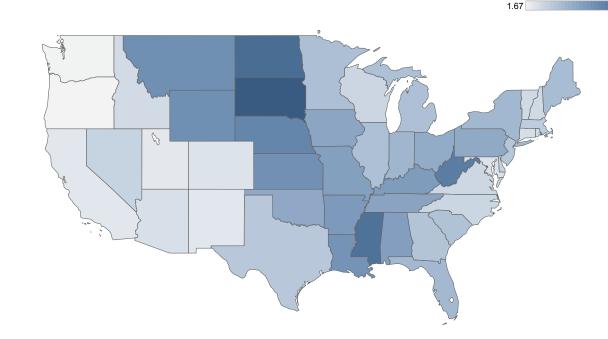
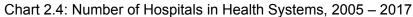
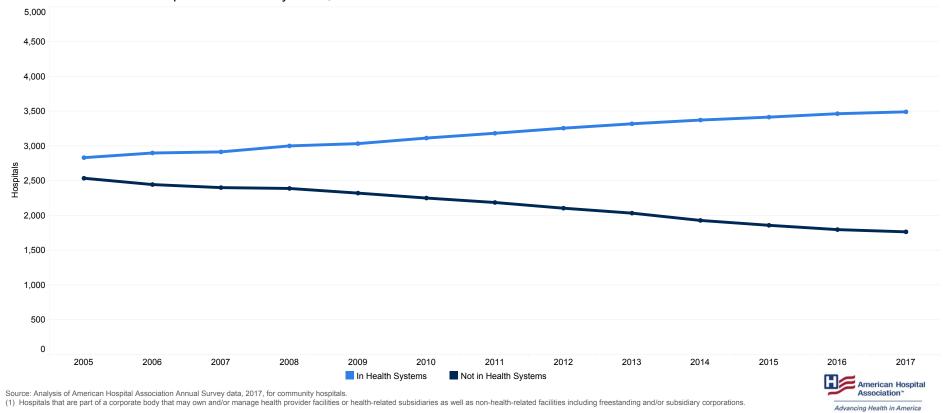




Chart 1.29 -Chapter 2 -Chart 2.1 - Number Chart 2.2 - Number Chart 2.3 - Beds Chart 2.4 - Number Chart 2.5 - Number Chart 2.6 -Chart 2.7 - Number Chart 2.9 -Chart 2.8 -Organizational Operating of Community of Beds and per per 1,000 Persons of Hospitals in Percentage of of Hospitals/Health Percentage of Margins of the T.. Trends Hospitals 1,000 Persons Health Systems Medicare-Certified.. Hospitals with Phy.. Systems Reportin.. Hospitals Offering. by State





Chapter 2 -Organizational Trends

Chart 2.1 - Number of Community Hospitals

Chart 2.2 - Number of Beds and per 1,000 Persons

Chart 2.3 - Beds per 1,000 Persons by State

Chart 2.4 - Number of Hospitals in Health Systems

Chart 2.5 - Number Medicare-Certified..

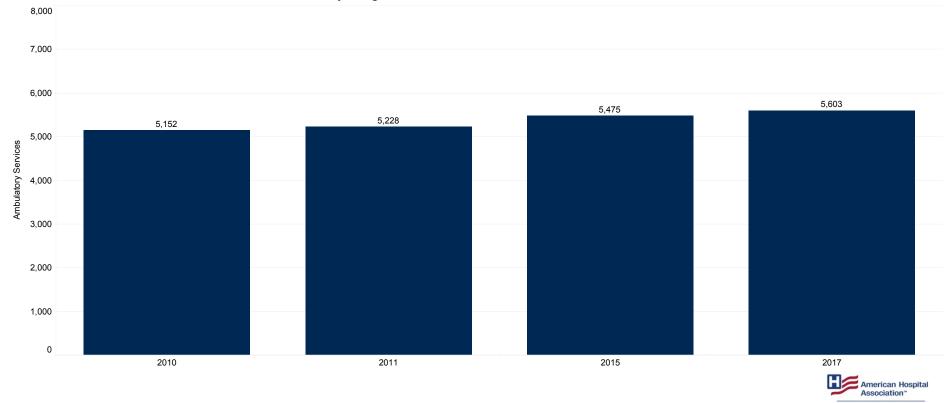
Chart 2.6 -Percentage of Hospitals with Phy..

Chart 2.7 - Number of Hospitals/Health Systems Reportin..

Chart 2.8 -Percentage of Hospitals Offering.

Chapter 3 -Utilization and Chart 2.9 -Volume

Chart 2.5: Number of Medicare-Certified Ambulatory Surgical Centers, 2010, 2011, 2015, 2017



Source: Medicare Payment Advisory Commission. March 2019. Report to the Congress: Medicare Payment Policy. http://medpac.gov/docs/default-source/reports/mar19_medpac_entirereport_sec.pdf?sfvrsn=0



Chapter 3 -Utilization and Chart 2.1 -Chart 2.2 - Number Chart 2.3 - Beds Chart 2.4 - Number Chart 2.6 -Chart 2.9 -Chart 3.1 -Chart 2.5 - Number Chart 2.7 - Number Chart 2.8 -Number of per 1,000 Persons Inpatient of Beds and per of Hospitals in Percentage of of Hospitals/Health Percentage of Health Systems Community Hos.. 1,000 Persons by State Hospitals with Phy.. Systems Reportin.. Hospitals Offering. Volume Admissions in Co.. Medicare-Certified..

Chart 2.6: Percentage of Hospitals with Physician Affiliates by Type of Relationship, 2005 – 2017

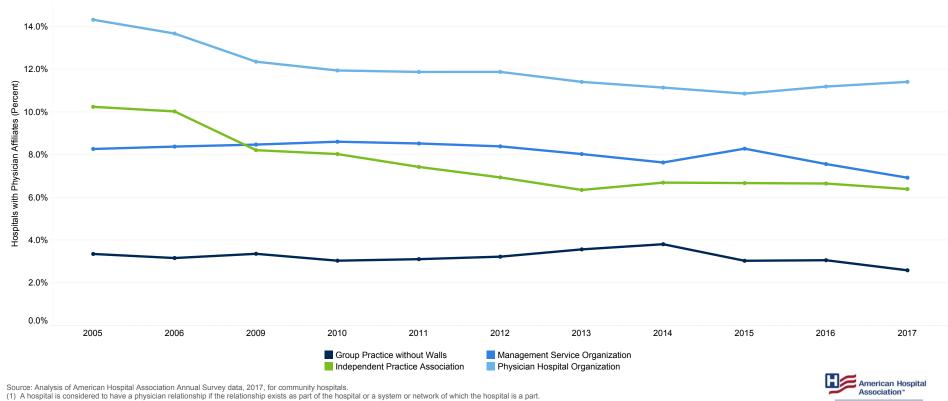


Chart 2.7 in 2009 and earlier years' Chartbooks.



Chapter 3 -Utilization and Chart 2.2 -Chart 2.3 - Beds Chart 2.4 - Number Chart 2.5 - Number Chart 2.6 -Chart 2.7 - Number Chart 2.8 -Chart 2.9 -Chart 3.1 -Chart 3.2 - Total Number of Beds per 1,000 Persons of Hospitals in Percentage of of Hospitals/Health Percentage of Inpatient Days in Inpatient and per 1,000 P... Health Systems Hospitals Offering. Volume Community Hospit.. by State Medicare-Certified.. Hospitals with Phy.. Systems Reportin.. Admissions in Co..

Chart 2.7: Number of Hospitals/Health Systems Reporting ACO Participation, 2011 - 2017

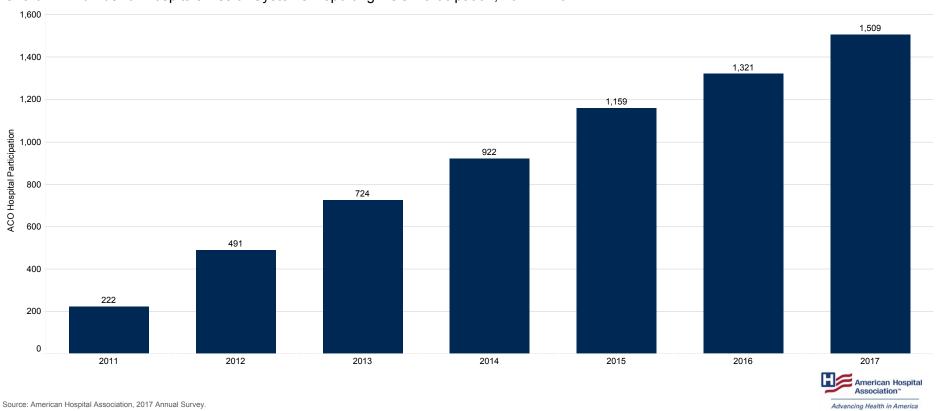


Chart 2.3 - Beds per 1,000 Persons by State Chart 2.4 - Number of Hospitals in Health Systems

Chart 2.5 - Number of Medicare-Certified..

Chart 2.6 Percentage of
Hospitals with Phy..

Chart 2.7 - Number of Hospitals/Health Systems Reportin...

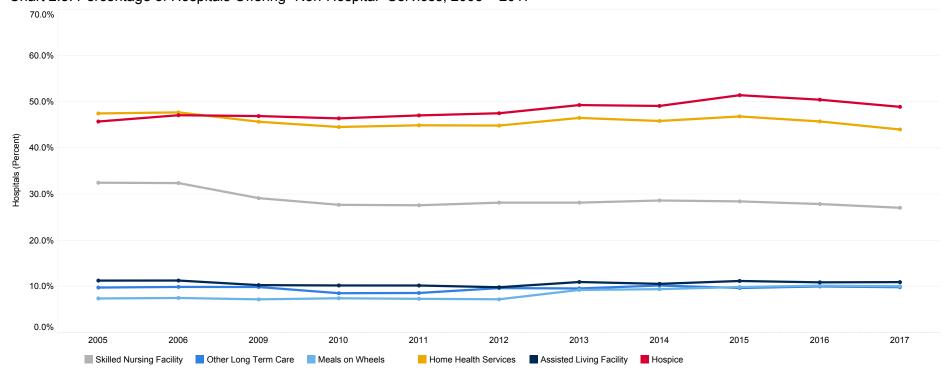
Chart 2.8 -Percentage of Hospitals Offering. Chart 2.9 -

Chapter 3 - Chart 3.1 - Inpatient Volume Admissions in Co..

Chart 3.2 - Total Inpatient Days in Community Hospit...

Chart 3.3 -Inpatient Admissions per 1,...

Chart 2.8: Percentage of Hospitals Offering "Non-Hospital" Services, 2005 – 2017



Source: Analysis of American Hospital Association Annual Survey data, 2017, for community hospitals. (1) Includes services offered in hospital, health system, network or joint venture. Chart 2.9 in 2009 and earlier years' Chartbooks.



Chapter 3 -Utilization and Chart 2.4 -Chart 2.9 -Chart 3.4 -Chart 2.5 - Number Chart 2.6 -Chart 2.7 - Number Chart 2.8 -Chart 3.1 -Chart 3.2 - Total Chart 3.3 -Percentage of Hospitals with Phy.. Percentage of Hospitals Offering... Inpatient Days in Community Hospit... Number of of of Hospitals/Health Inpatient Inpatient Inpatient Days per Hospitals in Hea.. Medicare-Certified.. Systems Reportin.. Volume Admissions in Co.. Admissions per 1,... 1,000 Persons

Chart 2.5 -Number of Medicare-Certifi..

Chart 2.6 -Percentage of Hospitals with Phy.. Systems Reportin..

Chart 2.7 - Number of Hospitals/Health

Chart 2.8 -Percentage of Hospitals Offering. Chart 2.9 -

Chapter 3 -Utilization and Volume

Chart 3.1 -Inpatient Admissions in Co..

Chart 3.2 - Total Inpatient Days in Community Hospit..

Chart 3.3 -Inpatient Admissions per 1,... Chart 3.4 -Inpatient Days per 1,000 Persons

Chart 3.5 - Average Length of Stay in Community Hospit..

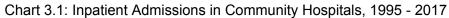


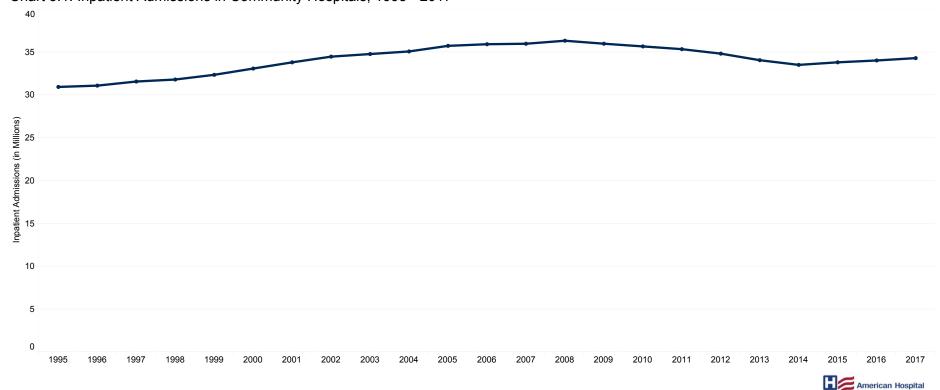
Advancing Health in America

Chapter 3

Utilization and Volume

Chart 2.6 -Chart 2.7 - Number Chart 2.9 -Chapter 3 -Chart 3.1 -Chart 3.2 - Total Chart 3.3 -Chart 3.4 -Chart 3.5 - Average Chart 3.6 - Average Chart 2.8 -Inpatient Days per of Hospitals/Health Utilization and Inpatient Days in Length of Stay in Percentage of Percentage of Inpatient Inpatient Length of Stay in Community Hospit.. Hospitals with P.. Systems Reportin.. Hospitals Offering. 1,000 Persons Community Hospit... Volume Admissions in Co.. Admissions per 1,... Community Hospit..



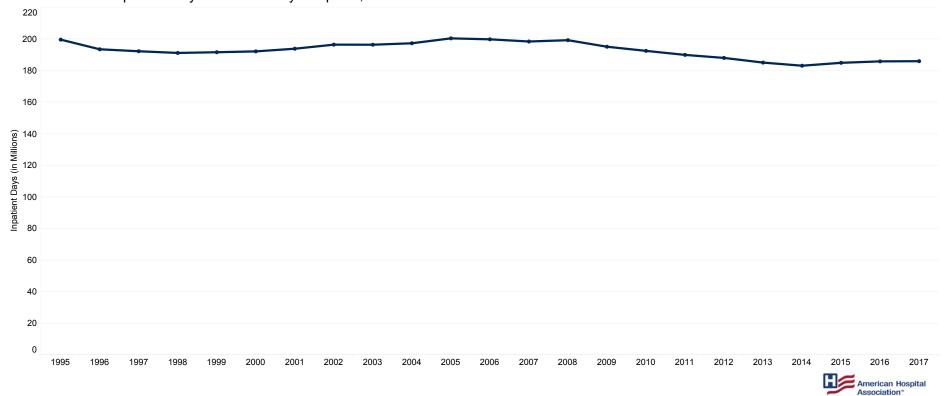


Association*

Advancing Health in America

Chart 2.7 -Chart 2.8 -Chart 2.9 -Chapter 3 -Chart 3.1 -Chart 3.2 - Total Chart 3.3 -Chart 3.4 -Chart 3.5 - Average Chart 3.6 - Average Chart 3.7 Number of Percentage of Utilization and Inpatient Inpatient Days in Inpatient Inpatient Days per Length of Stay in Length of Stay in Emergency Hospitals/Health.. Hospitals Offering. Community Hospit.. 1,000 Persons Volume Admissions in Co.. Admissions per 1,... Community Hospit.. Community Hospit... Departments and ...





Advancing Health in America

Chart 2.8 -Percentage of Hospitals Offeri...

Chart 2.9 -

Chapter 3 -Utilization and Volume

Chart 3.1 -Inpatient Admissions in Co..

Chart 3.2 - Total Inpatient Days in Community Hospit..

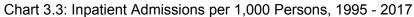
Chart 3.3 -Inpatient Admissions per 1,.. Chart 3.4 -Inpatient Days per 1,000 Persons

Length of Stay in Community Hospit..

Chart 3.5 - Average Chart 3.6 - Average Length of Stay in Community Hospit..

Chart 3.7 Emergency Departments and ..

Chart 3.8 - Hospital Emergency
Department Visits



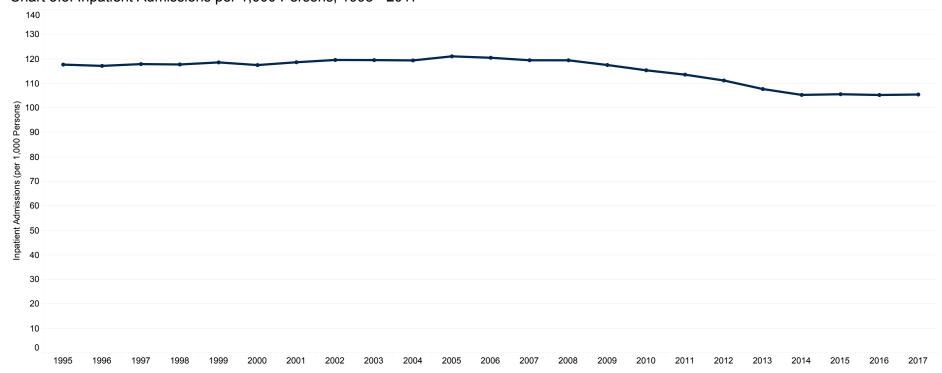




Chart 2.9 -

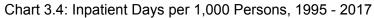
Chapter 3 -Utilization and Volume Chart 3.1 -Inpatient Admissions in Co..

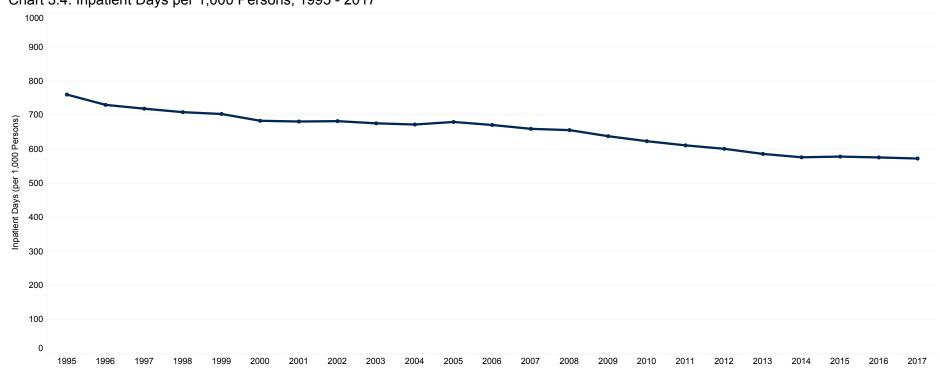
Chart 3.2 - Total Inpatient Days in Community Hospit...

Chart 3.3 -Inpatient Admissions per 1,. Chart 3.4 -Inpatient Days per 1,000 Persons Chart 3.5 - Average Length of Stay in Community Hospit... Chart 3.6 - Average Length of Stay in Community Hospit...

Chart 3.7
Emergency
Departments and ...

Chart 3.8 - Hospital Emergency Department Visits ... Chart 3.9 - Total Hospital Outpatient Visits in Communi..





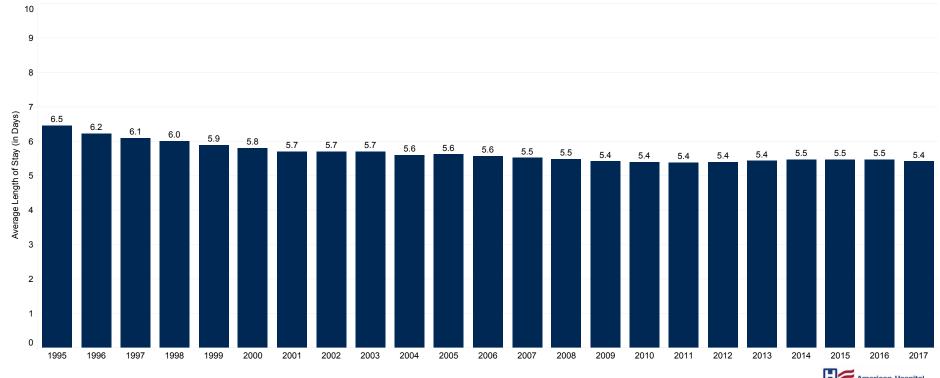


Chapter 3 -Utilization and Volume Chart 3.1 -Inpatient Admissions in Co.. Chart 3.2 - Total Inpatient Days in Community Hospit...

Chart 3.3 -Inpatient Admissions per 1,... Chart 3.4 -Inpatient Days per 1,000 Persons Chart 3.5 - Average Length of Stay in Community Hospit..

Chart 3.6 - Average Length of Stay in Community Hospit... Chart 3.7 Emergency Departments and . Chart 3.8 - Hospital Emergency Department Visits ... Chart 3.9 - Total Hospital Outpatient Visits in Communi... Chart 3.10 -Hospital Outpatient Visits per 1,000 P..

Chart 3.5: Average Length of Stay in Community Hospitals, 1995 - 2017



Source: Analysis of American Hospital Association Annual Survey data, 2017, for community hospitals



Advancing Health in America

Chart 3.1 -Inpatient Admissions in C.. Community Hospit...

Chart 3.2 - Total Inpatient Days in

Chart 3.3 -Inpatient Admissions per 1,..

Chart 3.4 -Inpatient Days per 1,000 Persons

Chart 3.5 - Average Length of Stay in Community Hospit..

Chart 3.6 - Average Length of Stay in Community Hospit..

Chart 3.7 Emergency
Departments and ...

Chart 3.8 - Hospital Emergency
Department Visits ...

Chart 3.9 - Total Hospital Outpatient Visits in Communi...

Chart 3.10 -Hospital Outpatient Visits per 1,000 P..

Chart 3.11 -Percentage Share of Inpatient vs. Ou..

Chart 3.6: Average Length of Stay in Community Hospitals By State, 2017

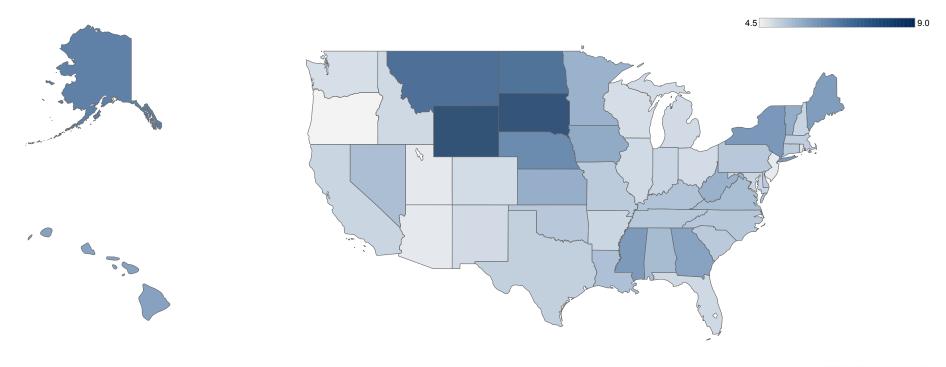




Chart 3.2 - Total Inpatient Days in Community Hos..

Chart 3.3 -Inpatient Admissions per 1,...

Chart 3.4 -Inpatient Days per 1,000 Persons

Length of Stay in Community Hospit...

Chart 3.5 - Average Chart 3.6 - Average Length of Stay in Community Hospit..

Chart 3.7 Emergency Departments and ..

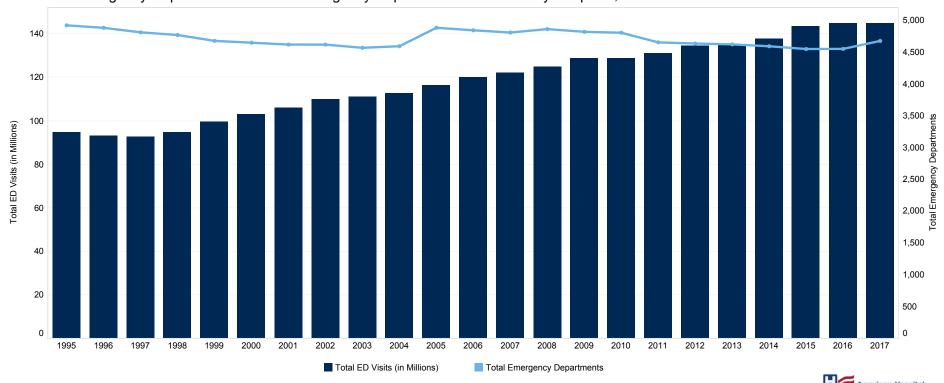
Chart 3.8 - Hospital Emergency Department Visits .

Chart 3.9 - Total Hospital Outpatient Visits in Communi.

Chart 3.10 -Hospital Outpatient Visits per 1,000 P.

Chart 3.11 -Percentage Share of Inpatient vs. Ou.. Chapter 4 - Trends in Hospital Financing

Chart 3.7: Emergency Department Visits and Emergency Departments in Community Hospitals, 1995 - 2017



Source: Analysis of American Hospital Association Annual Survey data, 2017, for community hospitals (1) Defined as hospitals reporting ED visits in the AHA Annual Survey.



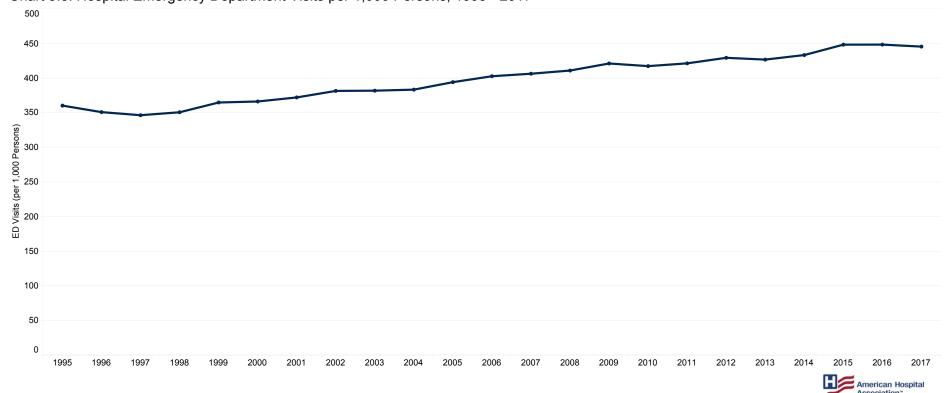
Chart 3.3 - Inpatient Inpatient Admissions per ...

Chart 3.4 -Inpatient Days per 1,000 Persons Chart 3.5 - Average Length of Stay in Community Hospit...

Chart 3.6 - Average Length of Stay in Community Hospit...

Chart 3.7 Emergency Departments and . Chart 3.8 - Hospital Emergency Department Visits .. Chart 3.9 - Total Hospital Outpatient Visits in Communi.. Chart 3.10 -Hospital Outpatient Visits per 1,000 P... Chart 3.11 -Percentage Share of Inpatient vs. Ou... Chapter 4 - Trends in Hospital Financing Chart 4.1 -Percentage of Hospitals with Ne..

Chart 3.8: Hospital Emergency Department Visits per 1,000 Persons, 1995 - 2017



Source: Analysis of American Hospital Association Annual Survey data, 2017, for community hospitals

Population data from National Health Expenditures table, https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/NationalHealthExpendData/NationalHealthAccountsHistorical.html



Chart 3.4 -Inpatient Days per 1,000 Perso..

Chart 3.5 - Average Chart 3.6 - Average Length of Stay in Community Hospit..

Length of Stay in Community Hospit...

Chart 3.7 Emergency Departments and ..

Chart 3.8 - Hospital Emergency Department Visits .

Chart 3.9 - Total Hospital Outpatient Visits in Communi...

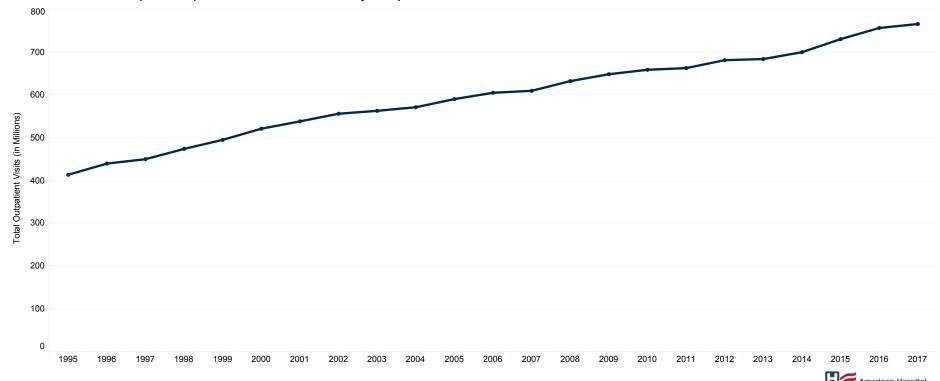
Chart 3.10 -Hospital Outpatient Visits per 1,000 P..

Chart 3.11 -Percentage Share of Inpatient vs. Ou..

Chapter 4 - Trends in Hospital Financing

Chart 4.1 -Percentage of Hospitals with Ne.. Chart 4.2 -Distribution of Outpatient vs. Inp..

Chart 3.9: Total Hospital Outpatient Visits in Community Hospitals, 1995 - 2017

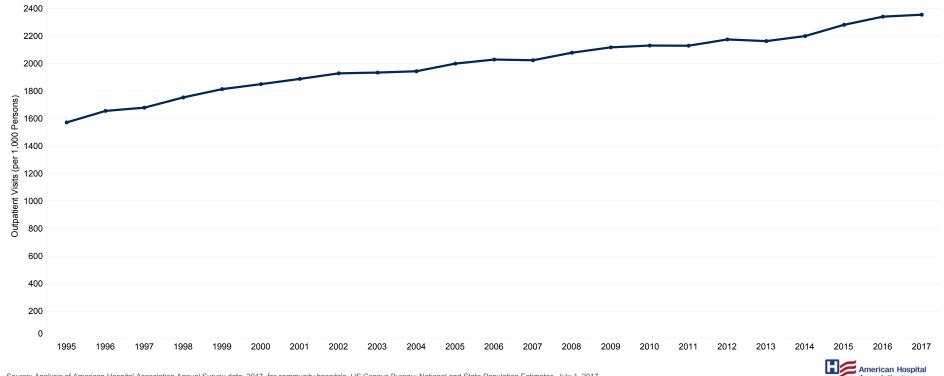


Source: Analysis of American Hospital Association Annual Survey data, 2017, for community hospitals Chart 3.12 in 2013 and earlier years' Chartbooks.



Chart 3.5 -Chart 3.10 -Chapter 4 - Trends Chart 4.2 -Chart 4.3 - Annual Chart 3.6 - Average Chart 3.7 Chart 3.8 - Hospital Chart 3.9 - Total Chart 3.11 -Chart 4.1 -Distribution of Average Length Length of Stay in Emergency Emergency Hospital Outpatient Hospital Outpatient Percentage Share in Hospital Percentage of Change in Hospital Visits per 1,000 P.. Operating Revenu.. of Stay in Com.. Community Hospit... Departments and .. Department Visits . Visits in Communi... of Inpatient vs. Ou.. Financing Hospitals with Ne.. Outpatient vs. Inp..

Chart 3.10: Hospital Outpatient Visits per 1,000 Persons, 1995 - 2017



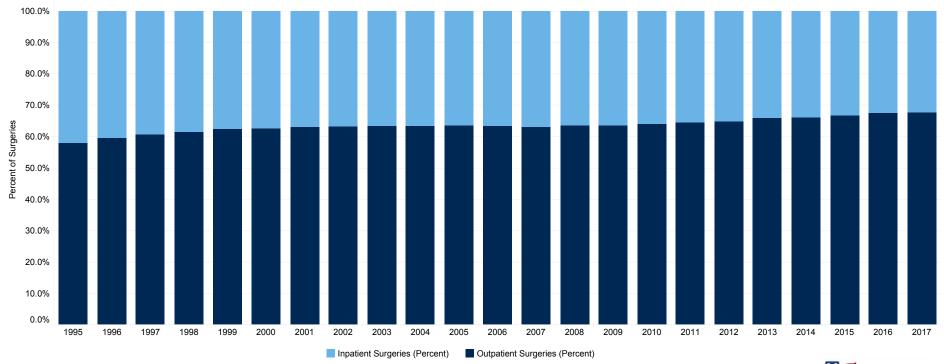
Source: Analysis of American Hospital Association Annual Survey data, 2017, for community hospitals. US Census Bureau: National and State Population Estimates, July 1, 2017. https://www.census.gov/data/tables/time-series/demo/popest/2010s-national-detail.html
Chart 3.13 in 2013 and earlier years' Chartbooks.



Chart 3.6 -Average Length of Stay in Com.. Chart 3.7 Emergency Departments and .. Chart 3.8 - Hospital Emergency Department Visits ...

Chart 3.9 - Total Hospital Outpatient Visits in Communi... Chart 3.10 -Hospital Outpatient Visits per 1,000 P... Chart 3.11 -Percentage Share of Inpatient vs. Ou... Chapter 4 - Trends in Hospital Financing Chart 4.1 -Percentage of Hospitals with Ne.. Chart 4.2 -Distribution of Outpatient vs. Inp.. Chart 4.3 - Annual Change in Hospital Operating Revenu... Chart 4.4 -Distribution of Hospital Cost by ..

Chart 3.11: Percentage Share of Inpatient vs. Outpatient Surgeries, 1995 - 2017



Source: Analysis of American Hospital Association Annual Survey data, 2017, for community hospitals. Chart 3.14 in 2013 and earlier years' Chartbooks.



Chart 3.7 Emergency

Chart 3.8 - Hospital Emergency Departments an.. Department Visits ..

Chart 3.9 - Total Hospital Outpatient Visits in Communi...

Chart 3.10 -Hospital Outpatient Visits per 1,000 P...

Chart 3.11 -Percentage Share of Inpatient vs. Ou..

Chapter 4 - Trends in Hospital Financing

Chart 4.1 -Percentage of Hospitals with Ne..

Chart 4.2 -Distribution of Outpatient vs. Inp..

Chart 4.3 - Annual Change in Hospital Operating Revenu...

Chart 4.4 -Distribution of Hospital Cost by .. Chart 4.5 -Aggregate Hospital Payment-to-Cost ..



Advancing Health in America

Chapter 4

Trends in Hospital Financing

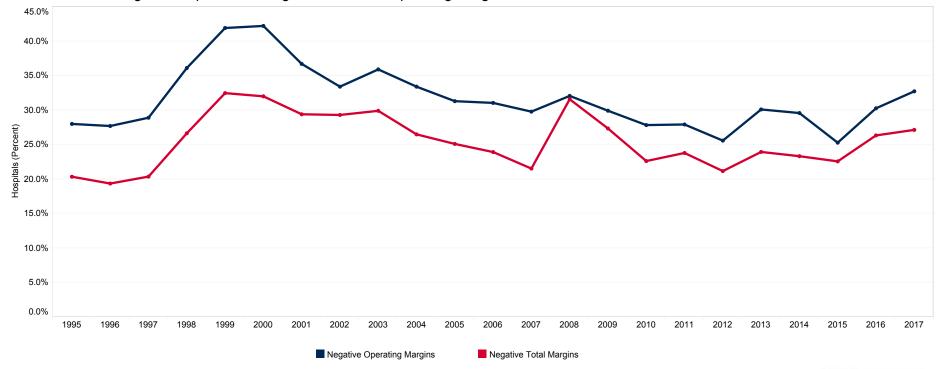
Chart 3.8 - Chart 3
Hospital Hospita
Emergency Dep.. Visits ir

Chart 3.9 - Total Hospital Outpatient Visits in Communi... Chart 3.10 -Hospital Outpatient Visits per 1,000 P...

Chart 3.11 ient Percentage Share
of Inpatient vs. Ou.

Chapter 4 - Trends in Hospital Financing Chart 4.1 -Percentage of Hospitals with Ne.. Chart 4.2 -Distribution of Outpatient vs. Inp... Chart 4.3 - Annual Change in Hospital Operating Revenu... Chart 4.4 -Distribution of Hospital Cost by . Chart 4.5 -Aggregate Hospital Payment-to-Cost ... Chart 4.6 - Hospital Payment Shortfall Relative to Costs f..

Chart 4.1: Percentage of Hospitals with Negative Total and Operating Margins, 1995 - 2017



Source: Analysis of American Hospital Association Annual Survey data, 2017, 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



Chart 3.9 - Total Hospital Outpatient Visits..

Chart 3.10 -Hospital Outpatient Visits per 1,000 P..

Chart 3.11 -Percentage Share of Inpatient vs. Ou.

Chapter 4 - Trends in Hospital Financing

Chart 4.1 -Percentage of Hospitals with Ne..

Chart 4.2 -Distribution of Outpatient vs. Inp..

Chart 4.3 - Annual Change in Hospital Operating Revenu..

Chart 4.4 -Distribution of Hospital Cost by

Chart 4.5 -Aggregate Hospital Payment-to-Cost .

Chart 4.6 - Hospital Payment Shortfall Relative to Costs f...

Chart 4.7 - Income from Investments and Other Non-O.

Chart 4.2: Distribution of Outpatient vs. Inpatient Revenues, 1995 - 2017

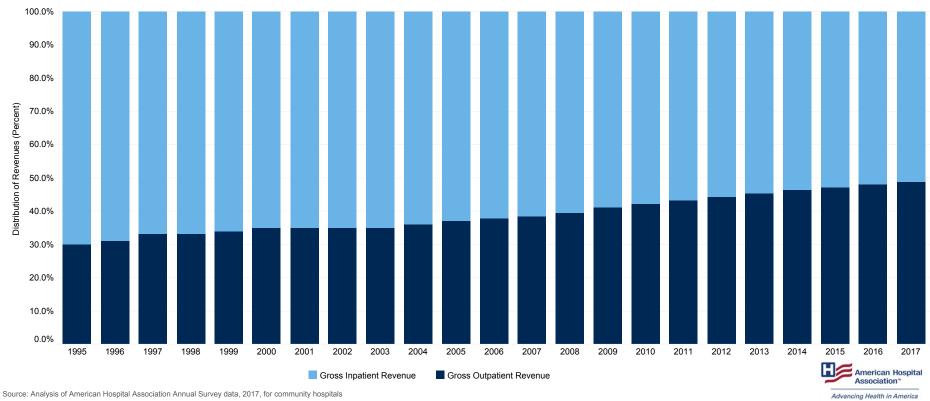
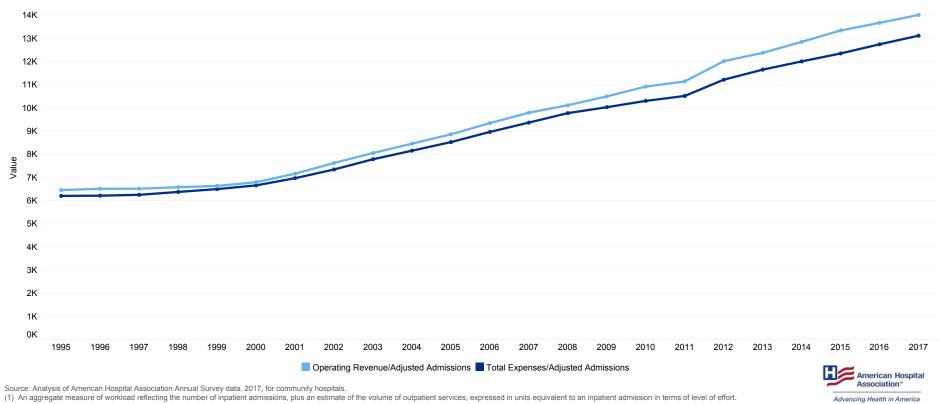


Chart 3.10 -Chapter 4 - Trends Chart 4.2 -Chart 4.3 - Annual Chart 4.4 -Chart 4.5 -Chart 4.8 - Median Chart 3.11 -Chart 4.1 -Chart 4.6 - Hospital Chart 4.7 - Income Distribution of Change in Hospital Distribution of Payment Shortfall Hospital Percentage Share in Hospital Percentage of Aggregate Hospital from Investments Average Age of Hospital Cost by . Payment-to-Cost . Relative to Costs f... Plant Outpatient Visits.. of Inpatient vs. Ou.. Financing Hospitals with Ne.. Outpatient vs. Inp.. Operating Revenu.. and Other Non-O.

Chart 4.3: Hospital Operating Revenue and Expenses per Adjusted Admission(1), 1995 - 2017



(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.

Chart 3.11 -Percentage Share of Inpatie.. Chapter 4 - Trends in Hospital Financing Chart 4.1 -Percentage of Hospitals with Ne..

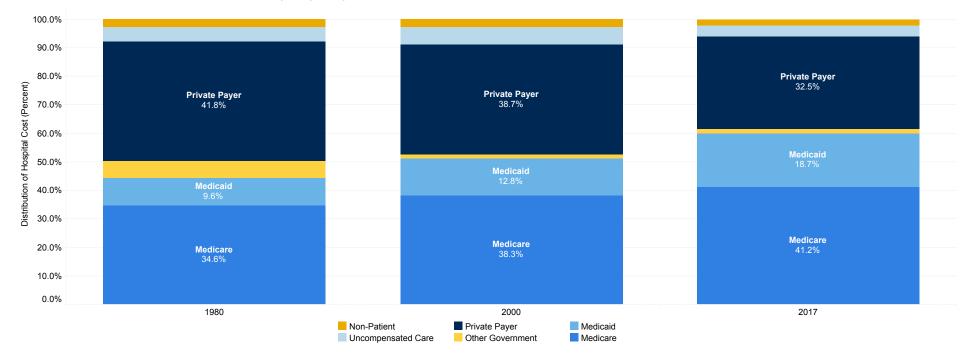
Chart 4.2 Distribution of
Outpatient vs. Inp..

Chart 4.3 - Annual Change in Hospital Operating Revenu...

Chart 4.4 -Distribution of Hospital Cost by .. Chart 4.5 -Aggregate Hospital Payment-to-Cost ... Chart 4.6 - Hospital Payment Shortfall Relative to Costs f.. Chart 4.7 - Income from Investments and Other Non-O...

Chart 4.8 - Median Average Age of Plant Chart 4.9 - Percent Change in Employment Cost ...

Chart 4.4: Distribution of Hospital Cost by Payer Type, 1980, 2000, 2017



Source: Analysis of American Hospital Association Annual Survey data, 2017, for community hospitals.

(1) Non-patient represents costs for cafeterias, parking lots, gift shops and other non-patient care operating services and are not attributed to any one payer.

(2) Uncompensated care represents bad debt expense and charity care, at cost.

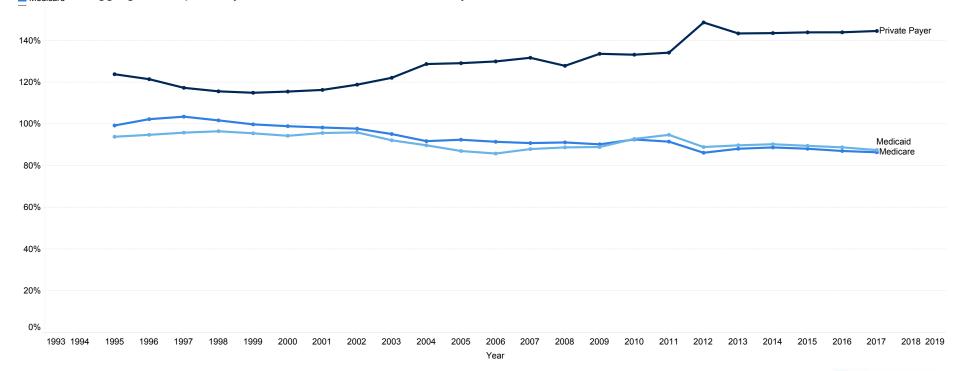
(3) Private payer formulas were updated in 2014 to account for the change in bad debt calculations, which is now reported as a deduction from revenue rather than a expense.

(4) Percentages were rounded, so they do not add to 100 percent in all years.



Chapter 4 -Chart 4.1 -Chart 4.4 -Chart 4.5 -Chart 4.6 - Hospital Chart 4.7 - Income Chart 4.9 - Percent Chapter 5 -Chart 4.2 -Chart 4.3 - Annual Chart 4.8 - Median Trends in Workforce Percentage of Distribution of Change in Hospital Distribution of Aggregate Hospital Payment Shortfall from Investments Average Age of Change in Hospital Financi.. Hospitals with Ne.. Outpatient vs. Inp.. Operating Revenu.. Hospital Cost by Payment-to-Cost .. Relative to Costs f.. and Other Non-O.. Plant **Employment Cost**

CMedicaid. 5: Aggregate Hospital Payment-to-Cost Ratios for Private Payers, Medicare, and Medicaid, 1995 - 2017



American Hospital Association*

Advancing Health in America

Chart 4.1 -	Chart 4.2 -	Chart 4.3 - Annual	Chart 4.4 -	Chart 4.5 -	Chart 4.6 - Hospital	Chart 4.7 - Income	Chart 4.8 - Median	Chart 4.9 - Percent	Chapter 5 -	Chart 5.1 - Total
Percentage of	Distribution of	Change in Hospital	Distribution of	Aggregate Hospital	Payment Shortfall	from Investments	Average Age of	Change in	Workforce	Number of Active
Hospitals wit	N Outpatient vs. Inp	Operating Revenu	Hospital Cost by	Payment-to-Cost	Relative to Costs f	and Other Non-O	Plant	Employment Cost		Physicians per 1,0



Chart 4.2 -Distribution of Outpatient vs. In.. Operating Revenu..

Chart 4.3 - Annual Change in Hospital

Chart 4.4 -Distribution of Hospital Cost by ..

Chart 4.5 -Aggregate Hospital Payment-to-Cost ..

Chart 4.6 - Hospital Payment Shortfall Relative to Costs f..

Chart 4.7 - Income from Investments and Other Non-O..

Chart 4.8 - Median Average Age of Plant

Chart 4.9 - Percent Change in Employment Cost .

Chapter 5 -Workforce

Chart 5.1 - Total Number of Active Physicians per 1,0..

Chart 5.2 - Total Number of Active Physicians per 1,0..

Chart 4.7: Income from Investments and Other Non-Operating Gains as a Percentage of Total Net Revenue, 1995 - 2017

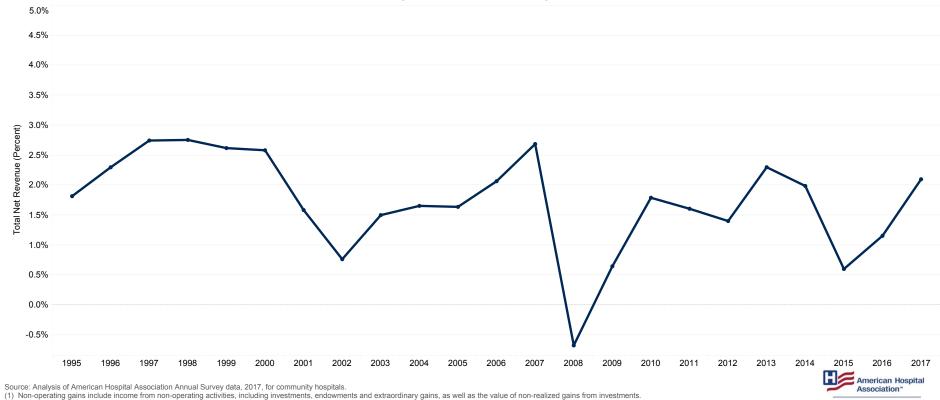




Chart 4.3 -Annual Change Chapter 5 -Workforce Chart 4.5 -Chart 4.4 -Chart 4.8 - Median Chart 4.9 - Percent Chart 5.1 - Total Chart 5.2 - Total Chart 5.3 - Number Chart 4.6 - Hospital Chart 4.7 - Income Aggregate Hospital Payment-to-Cost .. Change in Employment Cost . Distribution of Payment Shortfall Number of Active Number of Active of Physicians and from Investments Average Age of in Hospital Oper... Hospital Cost by .. Relative to Costs f.. and Other Non-O. Plant Physicians per 1,0.. Physicians per 1,0.. Dentists Employe..

Chart 4.8: Median Average Age of Plant, 1995 - 2017

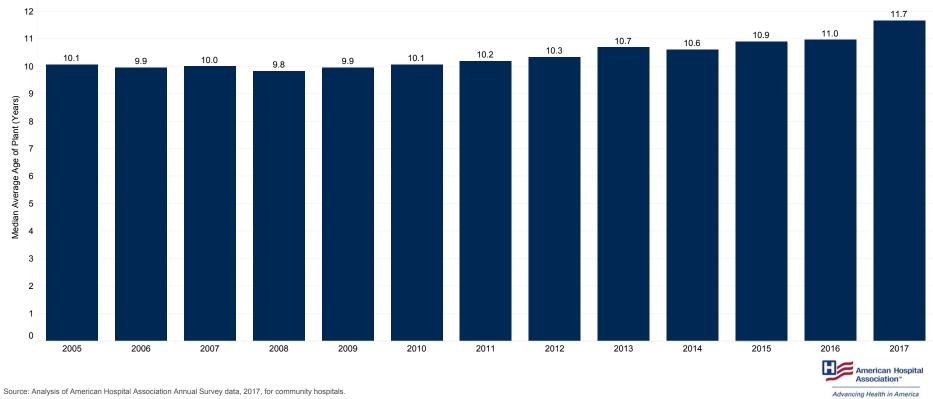


Chart 4.9: Employment Cost Index, All Private Service Industries, All Health Services and Hospitals, 2005 - 2017

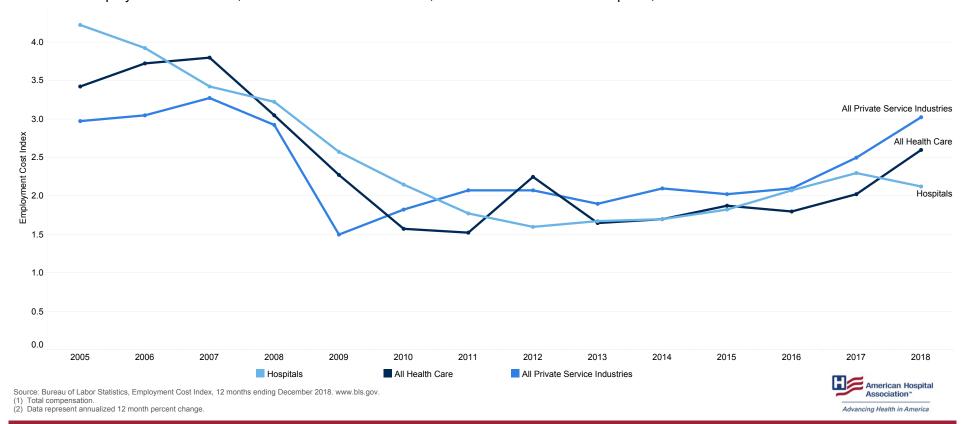


Chart 4.5 -Aggregate Hospital Payme..

Chart 4.6 - Hospital Chart 4.7 - Income Payment Shortfall Relative to Costs f.. and Other Non-O.

from Investments

Chart 4.8 - Median Average Age of Plant

Chart 4.9 - Percent Change in **Employment Cost**

Chapter 5 -Workforce

Chart 5.1 - Total Number of Active Physicians per 1,0..

Chart 5.2 - Total Number of Active Physicians per 1,0..

Chart 5.3 - Number of Physicians and Dentists Employe..

Chart 5.4 - Medical and Dental Residents in Train.. Chart 5.5 - Total FTE Employees in Hospitals



Advancing Health in America

Chapter 5

Workforce

Chart 4.6 -Hospital Payment Shortfall Relativ..

Chart 4.7 - Income from Investments and Other Non-O.

Chart 4.8 - Median Average Age of Plant

Chart 4.9 - Percent Change in **Employment Cost**

Chapter 5 -Workforce

Chart 5.1 - Total Number of Active Physicians per 1,0..

Chart 5.2 - Total Number of Active Physicians per 1,0..

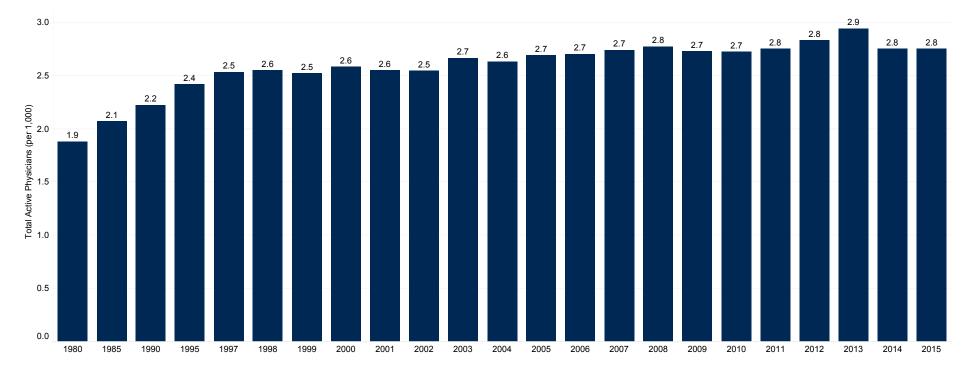
Chart 5.3 - Number of Physicians and Dentists Employe..

Chart 5.4 - Medical and Dental Residents in Train..

Chart 5.5 - Total FTE Employees in Hospitals

Chart 5.6 - FTE Employees per Adjusted Admissi.

Chart 5.1: Total Number of Active Physicians per 1,000 Persons, 1980 - 2015



Source: Center For Disease Control, https://www.cdc.gov/nchs/data/hus/2017/083.pdf (1) 1980 does not include doctors of osteopathy.

(2) 2004 and later years include both federal and non-federal physicians. Prior to 2003, data i ncluded non-federal physicians only.

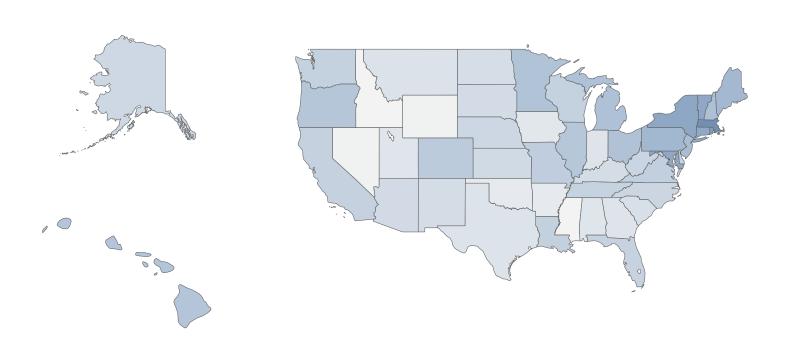


Chart 4.7 -Income from Investments an.. Chart 4.8 - Median Average Age of Plant Chart 4.9 - Percent Change in Employment Cost .. Chapter 5 -Workforce Chart 5.1 - Total Number of Active Physicians per 1,0.. Chart 5.2 - Total Number of Active Physicians per 1,0.. Chart 5.3 - Number of Physicians and Dentists Employe...

Chart 5.4 - Medical and Dental Residents in Train...

Chart 5.5 - Total FTE Employees in Hospitals Chart 5.6 - FTE Employees per Adjusted Admissi.. Chart 5.7 - Number of RN FTE Employees and R..

Chart 5.2: Total Number of Active Physicians per 1,000 Persons by State, 2015





Source: Center For Disease Control, https://www.cdc.gov/nchs/data/hus/2017/083.pdf (1) 1980 does not include doctors of osteopathy. ..

Chart 4.8 -Median Average Age of Plant

Chart 4.9 - Percent Change in Employment Cost

Chapter 5 -Workforce

Chart 5.1 - Total Number of Active Physicians per 1,0..

Chart 5.2 - Total Number of Active Physicians per 1,0..

Chart 5.3 - Number of Physicians and Dentists Employe..

Chart 5.4 - Medical and Dental Residents in Train..

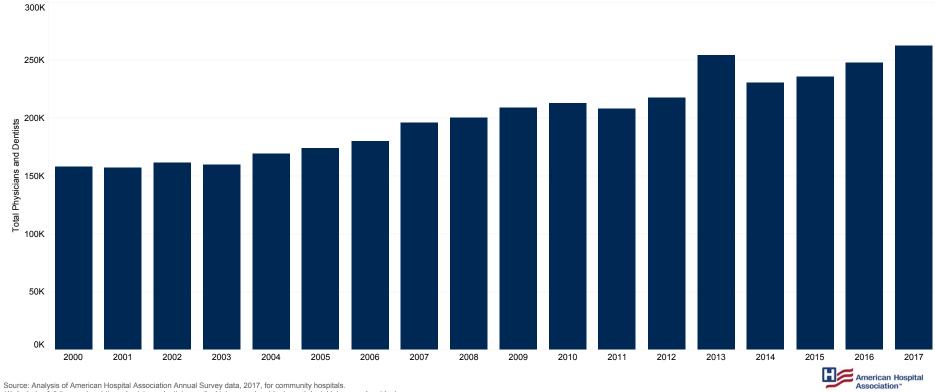
Chart 5.5 - Total FTE Employees in Hospitals

Chart 5.6 - FTE Employees per Adjusted Admissi.

Chart 5.7 - Number of RN FTE Employees and R..

Chart 5.8 - RN FTE as a Percentage of Total Hospital FT..

Chart 5.3: Number of Physicians and Dentists Employed by Community Hospitals, 2000 - 2017



(1) Includes full-time and part-time physicians, dentists, medical interns and residents, and dental interns and residents.

Advancing Health in America

Chart 4.9 -Percent Change in Employment

Chapter 5 -Workforce

Chart 5.1 - Total Number of Active Physicians per 1,0..

Chart 5.2 - Total Number of Active Physicians per 1,0..

Chart 5.3 - Number of Physicians and Dentists Employe..

Chart 5.4 - Medical and Dental Residents in Train.. Chart 5.5 - Total FTE Employees in Hospitals

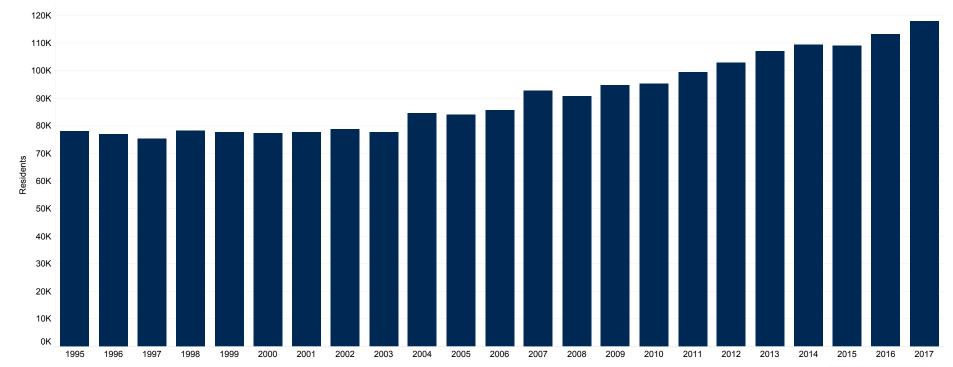
Chart 5.6 - FTE Employees per Adjusted Admissi...

Chart 5.7 - Number of RN FTE Employees and R..

Chart 5.8 - RN FTE as a Percentage of Total Hospital FT..

Chart 5.9 - Percent Distribution of RN Workforce by Age.

Chart 5.4: Medical and Dental Residents in Training in Community Hospitals, 1995 - 2017



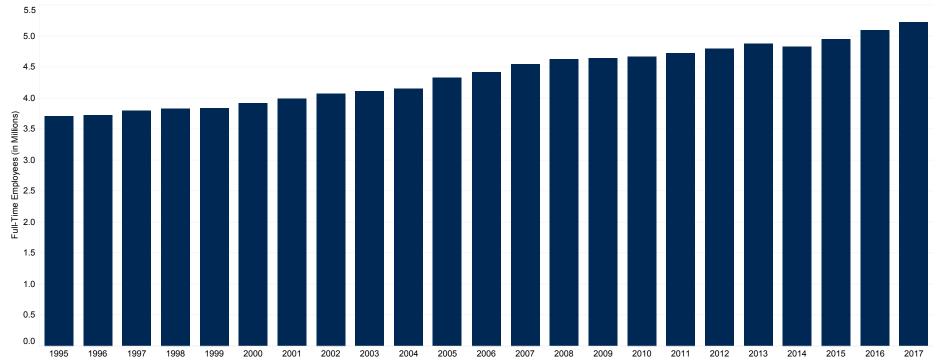
Source: Analysis of American Hospital Association Annual Survey data, 2017, for community hospitals.



Chart 5.3 in 2014 and earlier years' Chartbooks.



Chart 5.5: Total Full - Time Equivalent Employees Working in Hospitals, 1995 - 2017



Source: Analysis of American Hospital Association Annual Survey data, 2017, for community hospitals. Chart 5.4 in 2014 and earlier years' Chartbooks.



Chart 5.1 - Total Number of Active Physicians per .. Chart 5.2 - Total Number of Active Physicians per 1,0.. Chart 5.3 - Number of Physicians and Dentists Employe...

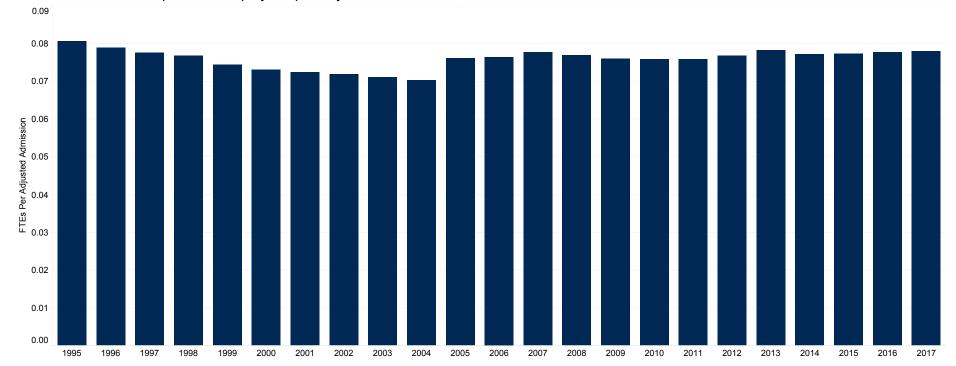
Chart 5.4 - Medical and Dental Residents in Train..

Chart 5.5 - Total FTE Employees in Hospitals Chart 5.6 - FTE Employees per Adjusted Admissi... Chart 5.7 - Number of RN FTE Employees and R...

Chart 5.8 - RN FTE as a Percentage of Total Hospital FT..

Chart 5.9 - Percent Distribution of RN Workforce by Age.. Chart 5.10 - RN Employment by Type of Provider Chart 5.11 -Number of Physicians by Age

Chart 5.6: Full-Time Equivalent Employees per Adjusted Admission(1), 1995 - 2017



Source: Analysis of American Hospital Association Annual Survey data, 2017, 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. Chart 5.5 in 2014 and earlier years' Chartbooks.



Chart 5.2 - Total Number of Active Physicians per .. Chart 5.3 - Number of Physicians and Dentists Employe..

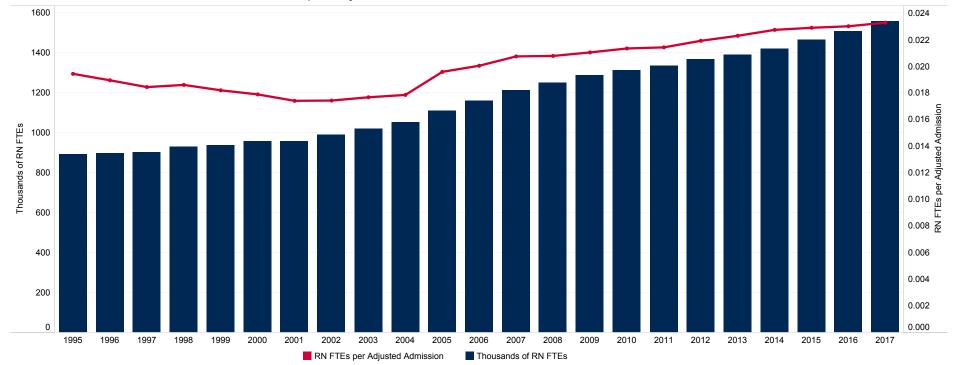
Chart 5.4 - Medical and Dental Residents in Train..

Chart 5.5 - Total FTE Employees in Hospitals Chart 5.6 - FTE Employees per Adjusted Admissi. Chart 5.7 - Number of RN FTE Employees and R..

Chart 5.8 - RN FTE as a Percentage of Total Hospital FT..

Chart 5.9 - Percent Distribution of RN Workforce by Age.. Chart 5.10 - RN Employment by Type of Provider Chart 5.11 -Number of Physicians by Age Chart 5.12 - Annual Percentage Change in Entry L..

Chart 5.7: Number of RN FTEs and RN FTEs per Adjusted Admission, 1995 - 2017



Source: Analysis of American Hospital Association Annual Survey data, 2017, for community hospitals.

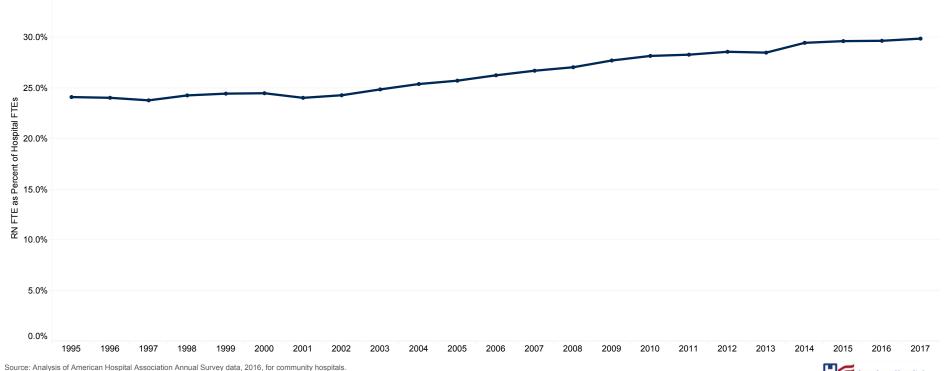
(1) RN: Registered Nurse; FTE: Full-time Equivalent

(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. Chart 5.6 in 2014 and earlier years' Chartbooks.



Chart 5.3 -Chart 5.4 - Medical Chart 5.5 - Total Chart 5.6 - FTE Chart 5.7 - Number Chart 5.8 - RN FTE Chart 5.9 - Percent Chart 5.10 - RN Chart 5.11 -Chart 5.12 - Annual Chapter 6 - The Number of and Dental FTE Employees in Employees per of RN FTE as a Percentage of Distribution of RN Employment by Number of Percentage Economic Physicians and .. Residents in Train.. Hospitals Adjusted Admissi. Employees and R.. Total Hospital FT.. Workforce by Age. Type of Provider Physicians by Age Change in Entry L.. Contribution of Ho.

Chart 5.8: RN Full-Time Equivalents as a Percentage of Total Hospital Full-Time Equivalents, 1995 - 2017



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

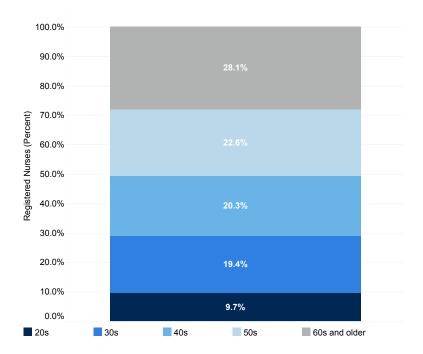
(1) RN: Registered Nurse; FTE: Full-time Equivalent

(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. Chart 5.7 in 2014 and earlier years' Chartbooks.



Chart 5.9 - Percent Chart 5.4 -Chart 5.6 - FTE Chart 5.7 - Number Chart 5.8 - RN FTE Chart 5.10 - RN Chart 5.11 -Chat 6.1 - NHE as Chart 5.5 - Total Chart 5.12 - Annual Chapter 6 - The Medical and FTE Employees in Percentage GDP Employees per as a Percentage of Distribution of RN Employment by Number of Percentage Economic Type of Provider Dental Resident.. Adjusted Admissi.. Employees and R.. Contribution of Ho.. and Breakdown of .. Hospitals Total Hospital FT.. Workforce by Age.. Physicians by Age Change in Entry L..

Chart 5.9: Percent Distribution of RN Workforce by Age Group, 2017

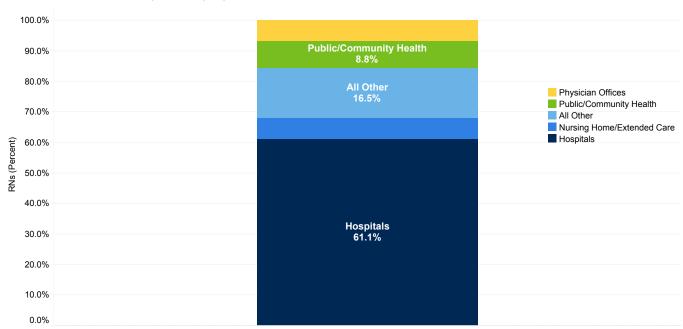


Source: National Council of State Boards of Nursing. National Nursing Workforce Study 2017, https://www.journalofnursingregulation.com/article/S2155-8256(18)30131-5/pdf



Chart 5.10 - RN Chart 5.11 -Chart 6.2 - Number Chart 5.5 - Total Chart 5.6 - FTE Chart 5.7 - Number Chart 5.8 - RN FTE Chart 5.9 - Percent Chart 5.12 - Annual Chapter 6 - The Chat 6.1 - NHE as FTE Employees Employees per as a Percentage of Distribution of RN Employment by Number of Percentage Economic Percentage GDP of Full-Time and in Hospitals and Breakdown of.. Adjusted Admissi... Employees and R.. Total Hospital FT.. Workforce by Age. Type of Provider Physicians by Age Change in Entry L... Contribution of Ho.. Part-Time Hospita.

Chart 5.10: RN Employment by Type of Provider, 2017



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, universities, professional schools, technical and trade schools and other schools and instruction.

Chart added in 2016.



Chart 5.6 - FTE Employees per Adjusted Admis... Chart 5.7 - Number of RN FTE Employees and R..

Chart 5.8 - RN FTE as a Percentage of Total Hospital FT..

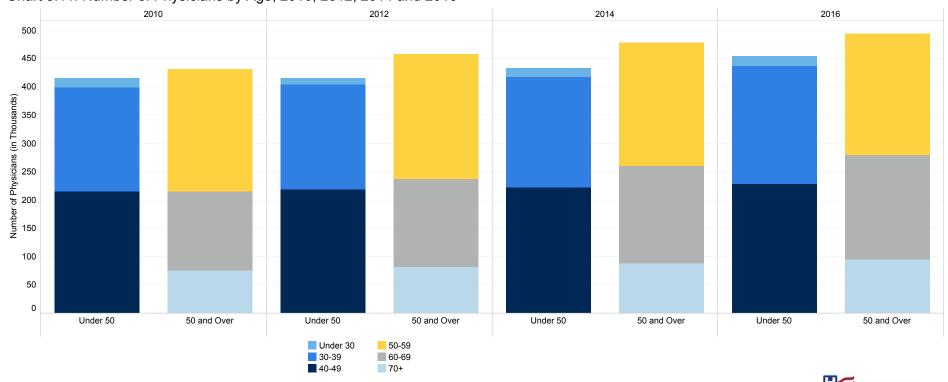
Chart 5.9 - Percent Distribution of RN Workforce by Age.. Chart 5.10 - RN Employment by Type of Provider Chart 5.11 -Number of Physicians by Age Chart 5.12 - Annual Percentage Change in Entry L.. Chapter 6 - The Economic Contribution of Ho..

Chat 6.1 - NHE as Percentage GDP and Breakdown of..

Chart 6.2 - Number of Full-Time and of Co Part-Time Hospita.. Hospi

Chart 6.3 - Impact of Communituy Hospitals on U.S. ...

Chart 5.11: Number of Physicians by Age, 2010, 2012, 2014 and 2016

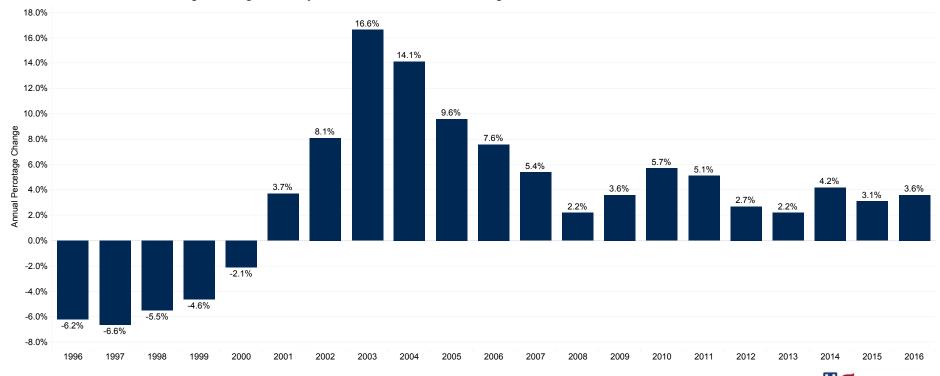


Source: Federation of State Medical Boards (FSMB). 2016 FSMB Census of Licensed Physicians.
(1) Includes actively licensed physicians. Resident physician licenses were excluded when such licenses could be identified.
Chart 5.11 was previously based on American Medical Association. (2015 Edition). Physician Characteristics and Distribution in the U.S.



Chart 5.7 -Chart 6.4 - Hospital Chart 5.8 - RN FTE Chart 5.9 - Percent Chart 5.10 - RN Chart 5.11 -Chart 5.12 - Annual Chapter 6 - The Chat 6.1 - NHE as Chart 6.2 - Number Chart 6.3 - Impact Number of RN as a Percentage of Distribution of RN Employment by Number of Percentage Economic Percentage GDP of Full-Time and of Communituy Employment vs. Hospitals on Ú.S. FTE Employees.. Total Hospital FT.. Workforce by Age. Type of Provider Physicians by Age Change in Entry L.. Contribution of Ho.. and Breakdown of... Part-Time Hospita.. Employment in Ot.

Chart 5.12: Annual Percentage Change in Entry Level Baccalaureate Nursing Enrollment, 1996 - 2016



Source: Email correspondence with the American Association of Colleges of Nursing Chart 5.11 in 2014 and earlier years' Chartbooks.



Chart 5.8 - RN FTE as a

Chart 5.9 - Percent Distribution of RN Percentage of T.. Workforce by Age..

Chart 5.10 - RN Employment by Type of Provider

Chart 5.11 -Number of Physicians by Age

Chart 5.12 - Annual Percentage Change in Entry L..

Chapter 6 - The Economic Contribution of Ho..

Chat 6.1 - NHE as Percentage GDP and Breakdown of..

Chart 6.2 - Number of Full-Time and Part-Time Hospita..

Chart 6.3 - Impact of Communituy Hospitals on U.S. ..

Chart 6.4 - Hospital Employment vs. Employment in Ot..

Chart 6.5 - Average Weekly Earnings of Workers, Hospital..



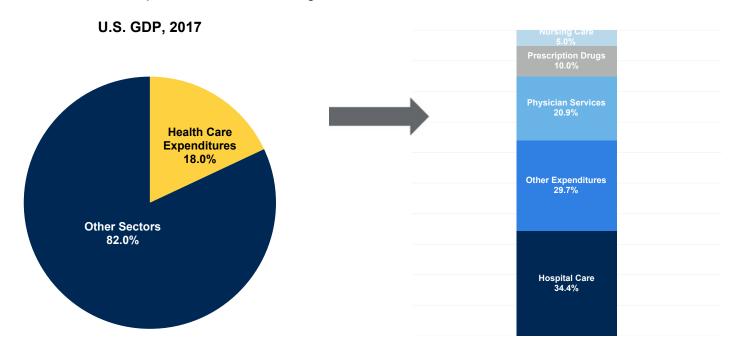
Advancing Health in America

Chapter 6

The Economic Contribution of Hospitals

Chart 5.9 -Chat 6.1 - NHE as Chart 5.10 - RN Chart 5.11 -Chart 5.12 - Annual Chapter 6 - The Chart 6.2 - Number Chart 6.3 - Impact Chart 6.4 - Hospital Chart 6.5 - Average Chart 6.6 - Hospital Percent Employment by Number of Percentage Economic Percentage GDP of Full-Time and of Communituy Employment vs. Weekly Earnings of Employment by Distribution of R.. Type of Provider Part-Time Hospita.. Workers, Hospital.. Physicians by Age Change in Entry L.. Contribution of Ho. and Breakdown of.. Hospitals on U.S. .. Employment in Ot.. Occupation Type

Chart 6.1: National Health Expenditures as a Percentage of Gross Domestic Product and Breakdown of National Health Expenditures, 2017





Source: Centers for Medicare & Medicaid Services, Office of the Actuary. Data released December 6, 2018.

(1) Percentages were rounded, so they may not sum to 100 percent.

Chart 5.10 - RN Employment by Type of Provider Chart 5.11 -Number of Physicians by Age Chart 5.12 - Annual Percentage Change in Entry L..

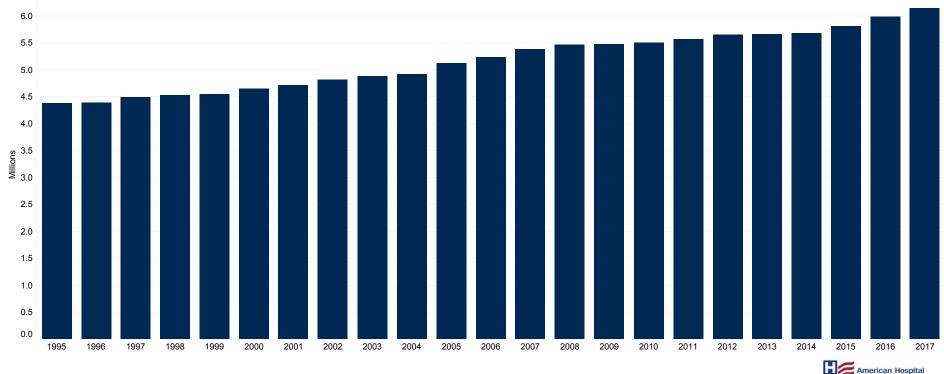
Chapter 6 - The Economic Contribution of Ho..

Chat 6.1 - NHE as Percentage GDP and Breakdown of... Chart 6.2 - Number of Full-Time and Part-Time Hospita...

Chart 6.3 - Impact of Communituy Hospitals on U.S. ...

Chart 6.4 - Hospital Employment vs. Employment in Ot.. Chart 6.5 - Average Weekly Earnings of Workers, Hospital.. Chart 6.6 - Hospital Employment by Occupation Type Chart 6.7 - Percent Change in Employment, Sea..

Chart 6.2: Number of Full-time and Part-time Hospital Employees, 1995 – 2017



Source: Analysis of American Hospital Association Annual Survey data, 2017, for community hospitals



Advancing Health in America

Chart 5.11 -Number of Physicians by A..

Chart 5.12 - Annual Percentage Change in Entry L..

Chapter 6 - The Economic Contribution of Ho..

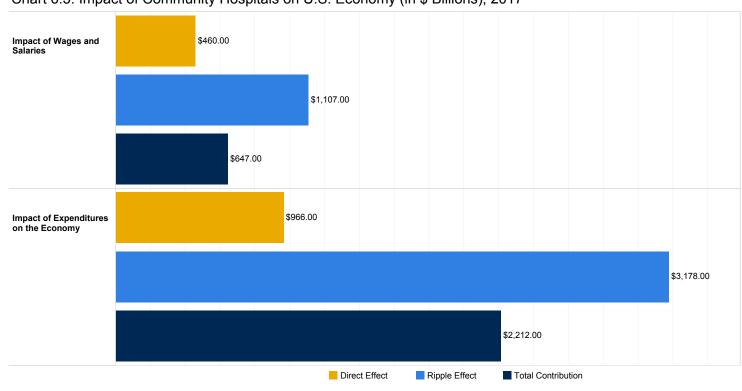
Chat 6.1 - NHE as Percentage GDP and Breakdown of.. Chart 6.2 - Number of Full-Time and Part-Time Hospita...

Chart 6.3 - Impact of Communituy Hospitals on U.S. ...

Chart 6.4 - Hospital Employment vs. Employment in Ot...

Chart 6.5 - Average Weekly Earnings of Workers, Hospital.. Chart 6.6 - Hospital Employment by Occupation Type Chart 6.7 - Percent Change in Employment, Sea.. Chart 6.8 - Percent of Total Regional Employment by H..

Chart 6.3: Impact of Community Hospitals on U.S. Economy (in \$ Billions), 2017



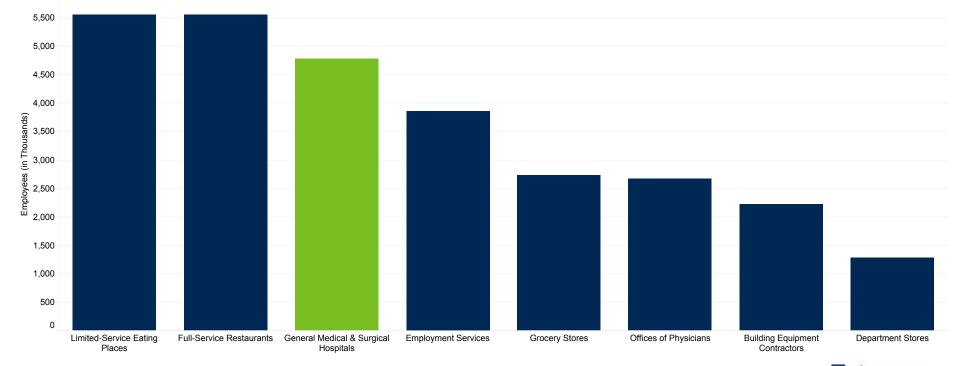
American Hospital Association*

Advancing Health in America

Source: Analysis, using BEA RIMS-II (1997/2006) multipliers, released in 2008, applied to 2017 American Hospital Association Annual Survey data. Note: Multipliers released in 2010 and subsequent years no longer include the national level multipliers needed for this chart. The sum of the direct and ripple effect may be less than or greater than the total contribution due to rounding.

Chart 5.12 -Chart 6.4 - Hospital Chart 6.9 - Impact Chapter 6 - The Chat 6.1 - NHE as Chart 6.2 - Number Chart 6.3 - Impact Chart 6.5 - Average Chart 6.6 - Hospital Chart 6.7 - Percent Chart 6.8 - Percent Annual Economic Percentage GDP of Full-Time and of Communituy Employment vs. Weekly Earnings of Employment by Change in of Total Regional of Community Part-Time Hospita.. Percentage Cha.. Contribution of Ho.. and Breakdown of... Hospitals on U.S. Employment in Ot .. Workers, Hospital.. Occupation Type Employment, Sea.. Employment by H.. Hospitals on U.S.

Chart 6.4: Hospital Employment₍₃₎ vs. Employment in Other Industries, 2017

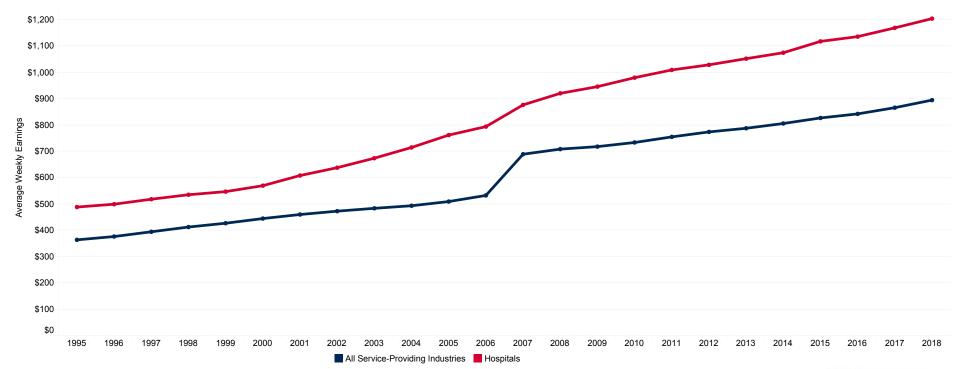


Source: Department of Labor, Bureau of Labor Statistics, Current Employment Statistics (CES) Survey, customized tables. Data released 2019. http://www.bls.gov/ces.
(1) Does not include public hospitals.



Chapter 6 - The Chart 6.4 - Hospital Chart 6.10 -Chat 6.1 - NHE as Chart 6.2 - Number Chart 6.3 - Impact Chart 6.5 - Average Chart 6.6 - Hospital Chart 6.7 - Percent Chart 6.8 - Percent Chart 6.9 - Impact Percent of Costs by Economic Percentage GDP of Full-Time and of Communituy Employment vs. Weekly Earnings of Employment by Change in of Total Regional of Community Contribution of . Employment, Sea.. Hospitals on U.S. .. and Breakdown of... Part-Time Hospita. Hospitals on U.S. Employment in Ot. Workers, Hospital.. Occupation Type Employment by H.. Category in the In..

Chart 6.5: Average Weekly Earnings of Workers, Hospitals(1)(2) vs. All Service-Providing Industries, 1995 - 2018



Source: Department of Labor, Bureau of Labor Statistics, Current Employment Statistics (CES) Survey, customized tables. Data released 2019 http://www.bls.gov/ces.
(1) Includes physicians employed by hospitals.

(2) Does not include public hospitals.



Chat 6.1 - NHE as Percentage GDP and Break...

Chart 6.2 - Number of Full-Time and Part-Time Hospita...

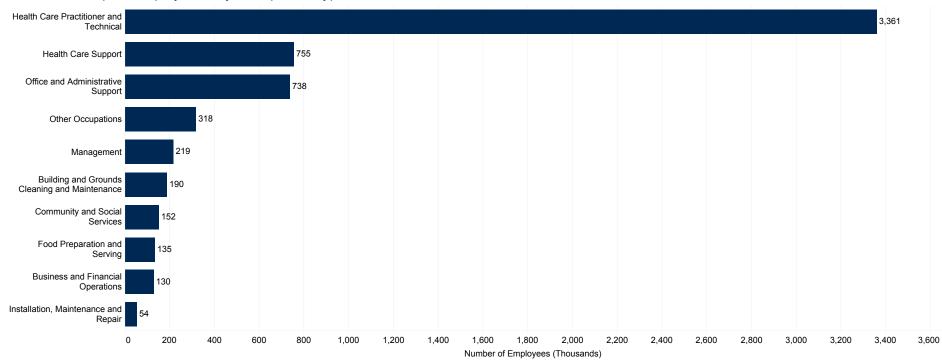
Chart 6.3 - Impact of Communituy Hospitals on U.S.

Chart 6.4 - Hospital Employment vs. Employment in Ot.. Chart 6.5 - Average Weekly Earnings of Workers, Hospital... Chart 6.6 - Hospital Employment by Occupation Type Chart 6.7 - Percent Change in Employment, Sea.. Chart 6.8 - Percent of Total Regional Employment by H...

Chart 6.9 - Impact of Community Hospitals on U.S. ..

Chart 6.10 -Percent of Costs by Category in the In.. Chart 6.11 -Hospital Impact on Sectors of the U.S..

Chart 6.6: Hospital Employment by Occupation Type, 2017



Source: Department of Labor, Bureau of Labor Statistics, National Industry-Specific Occupational Employment and Wage Estimates. Data released May 2018. https://www.bls.gov/oes/current/naics3-622000.htm (1) Does not include public hospitals.



Chart 6.2 -Number of Full-Time and P..

Chart 6.3 - Impact of Communituy Hospitals on Ú.S. ..

Chart 6.4 - Hospital Employment vs. Employment in Ot ..

Chart 6.5 - Average Weekly Earnings of Workers, Hospital...

Chart 6.6 - Hospital Employment by Occupation Type

Chart 6.7 - Percent Change in Employment, Sea..

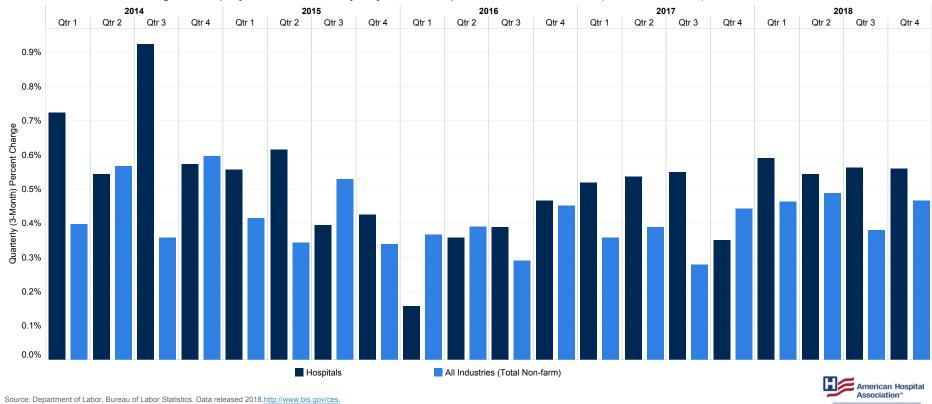
Chart 6.8 - Percent of Total Regional Employment by H...

Chart 6.9 - Impact of Community Hospitals on U.S. ..

Chart 6.10 -Percent of Costs by Category in the In..

Chart 6.11 -Hospital Impact on Sectors of the U.S.. Chart 6.12 - Impact of Community Hospitals on U.S. .

Chart 6.7: Percent Change in Employment, Seasonally-adjusted: Hospital(1) vs. All Industries (Total Non-farm), 2015 – 2018



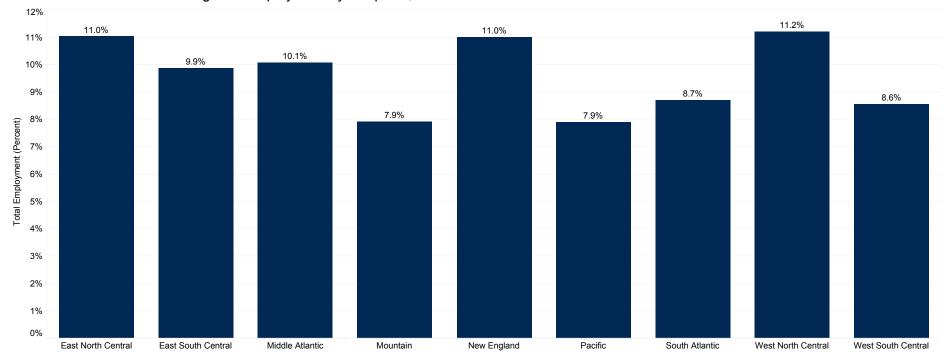
Source: Department of Labor, Bureau of Labor Statistics. Data released 2018. http://www.bls.gov/ces. (1) Does not include public hospitals.



Advancing Health in America

Chart 6.7 - Percent Chart 6.3 -Chart 6.4 - Hospital Chart 6.8 - Percent Chart 6.9 - Impact Chart 6.10 -Chart 6.11 -Chart 6.5 - Average Chart 6.6 - Hospital Chart 6.12 - Impact Chapter 7 -Impact of Employment vs. Percent of Costs by Community Health Weekly Earnings of Employment by Change in of Total Regional of Community Hospital Impact on of Community Employment in Ot.. Employment, Sea.. Employment by H.. Hospitals on U.S. .. Sectors of the U.S.. Hospitals on U.S. Indicators Communituy Ho.. Workers, Hospital.. Occupation Type Category in the In..

Chart 6.8: Percent of Total Regional Employment by Hospitals, 2017



Source: Analysis of American Hospital Association Annual Survey 2017 data and 2017 total non-farm employment data from the Bureau of Labor Statistics.

(1) Does not include farm employment.



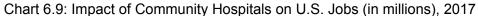
Chart 6.4 -Hospital Employment vs... Chart 6.5 - Average Weekly Earnings of Workers, Hospital.. Chart 6.6 - Hospital Employment by Occupation Type Chart 6.7 - Percent Change in Employment, Sea..

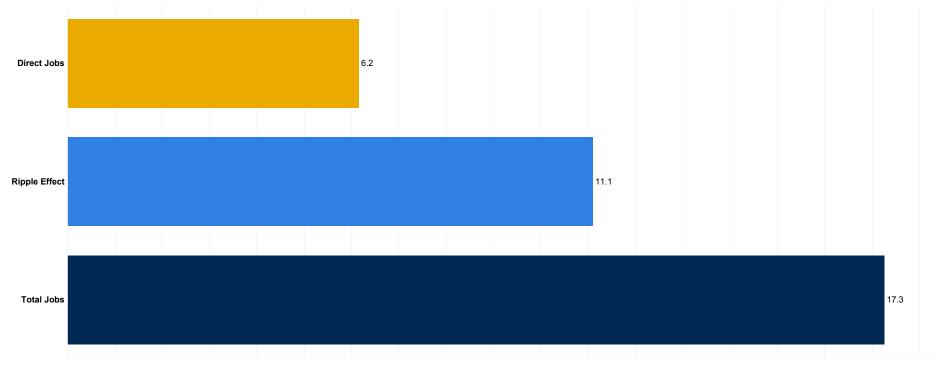
Chart 6.8 - Percent of Total Regional Employment by H...

Chart 6.9 - Impact of Community Hospitals on U.S. ...

Chart 6.10 -Percent of Costs by Category in the In.. Chart 6.11 -Hospital Impact on Sectors of the U.S.. Chart 6.12 - Impact of Community Hospitals on U.S. ..

Chapter 7 -Community Health Indicators Chart 7.1 : U.S. Population Trends and Projections b..



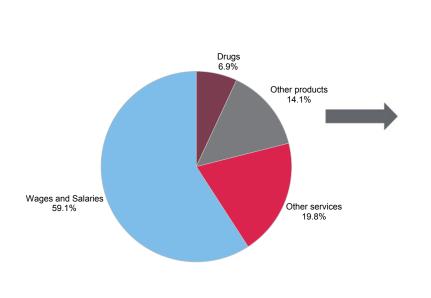


Source: Analysis, using BEA RIMS-II (1997/2006) multipliers, released in 2008, applied to 2017 American Hospital Association Annual Survey data. Note: Multipliers released in 2010 and subsequent years no longer include the national level multipliers needed for this chart. The sum of the direct and ripple effect may be less than or greater than the total contribution due to rounding.



Chart 6.5 -Chart 6.10 -Chart 7.1 : U.S. Chart 7.2 - U.S. Chart 6.6 - Hospital Chart 6.7 - Percent Chart 6.8 - Percent Chart 6.9 - Impact Chart 6.11 -Chart 6.12 - Impact Chapter 7 -Community Health Average Weekly Employment by Change in of Total Regional of Community Percent of Costs by Hospital Impact on of Community Population Trends Population Trends Earnings of Wor.. and Projections b.. and Projections b.. Occupation Type Employment, Sea.. Employment by H... Hospitals on U.S. Category in the In.. Sectors of the U.S.. Hospitals on U.S. Indicators

Chart 6.10: Percent of Costs by Category in the Inpatient Prospective Payment System Hospital Market Basket, 2016





Source: AHA analysis of Centers for Medicare and Medicaid Services data, using base year 2014 weights.

(1) Does not include capital.

(2) Includes postage and telephone expenses.

Note: Base year 2014 Inpatient Prospective Payment System Market Basket weights do not incorporate impact of prescription drug price growth after the measurement period.



Chart 6.6 -Hospital Employment by ..

Chart 6.7 - Percent Change in Employment, Sea..

Chart 6.8 - Percent of Total Regional Employment by H..

Chart 6.9 - Impact of Community Hospitals on U.S. ..

Chart 6.10 -Percent of Costs by Category in the In..

Chart 6.11 -Hospital Impact on Sectors of the U.S..

Chart 6.12 - Impact of Community Hospitals on U.S. .

Chapter 7 -Community Health Indicators

Chart 7.1 : U.S. Population Trends and Projections b..

Chart 7.2 - U.S. Population Trends and Projections b..

Chart 7.3 -Age-Adjusted
Death Rates, Sele...

Chart 6.11: Hospital Impact on Sectors of the U.S. Economy (in \$ billions), 2017

Industries	
Health care and social assistance	\$1,118.09
Manufacturing	\$476.15
Real estate and rental and leasing	\$300.97
Finance and insurance	\$203.10
Professional, scientific, and technical services	\$132.08
Retail trade	\$129.86
Wholesale trade	\$104.06
Information	\$103.96
Transportation and warehousing	\$98.94
Administrative and waste management services	\$98.46
Accommodation and food services	\$81.64
Other services	\$79.62
Management of companies and enterprises	\$63.87
Utilities	\$56.52
Agriculture, forestry, fishing, and hunting	\$46.67
Educational services	\$25.60
Arts, entertainment, and recreation	\$22.71
Mining	\$20.10
Construction	\$15.75
Total	\$3,178.14

Source: Analysis, using BEA RIMS-II (1997/2006) multipliers, released in 2008, applied to 2017 American Hospital Association Annual Survey data. Note: Multipliers released in 2010 and subsequent years no longer include the national level multipliers needed for this chart. (1) Industries may not sum to total due to rounding.



Chart 6.7 -Percent Change in Employment, ... Chart 6.8 - Percent of Total Regional Employment by H...

Chart 6.9 - Impact of Community Hospitals on U.S.

ppact Chart 6.10 Percent of Costs by
U.S. ... Category in the In...

Chart 6.11 Hospital Impact on
Sectors of the U.S..

Chart 6.12 - Impact of Community Hospitals on U.S. ..

Chapter 7 -Community Health Indicators Chart 7.1 : U.S. Population Trends and Projections b..

Chart 7.2 - U.S. Population Trends and Projections b.. Chart 7.3 -Age-Adjusted Death Rates, Sele... Chart 7.4 -Number of Persons with Asthma

Chart 6.12: Impact of Community Hospitals on U.S. Economy; All States, DC, and Total U.S., 2017

State Name	Number of Hospital Jobs (FT and PT)	Multiplier for Emplo yment	Effect of Hospital Jobs on Total Jobs in	Percent of Total Emp loyment	Hospital Payroll and Benefits (\$ millio	Multipli er for E arning s	Effect of Hospital Payroll and Benefits on Total Labor	Multiplie r for Out put	Effect of Hospital Expenditures on Total Output in State Econo
U.S.	6,151,392	2.8048	17,253,424	11.86%	\$460,493	2.4031	\$1,106,612	3.2896	\$3,178,425
Alabama	92,924	2.1169	196,711	9.83%	\$5,331	1.7037	\$9,083	1.9624	\$22,758
Alaska	13,310	1.8375	24,457	7.89%	\$1,342	1.5034	\$2,018	1.6847	\$4,452
Arizona	91,249	2.3604	215,384	7.72%	\$6,981	1.8444	\$12,875	2.144	\$33,216
Arkansas	57,592	1.9245	110,836	9.06%	\$3,441	1.6036	\$5,518	1.8265	\$13,466
California	590,720	2.2946	1,355,466	8.03%	\$55,104	1.8917	\$104,240	2.2403	\$248,455
Colorado	86,150	2.4431	210,473	7.93%	\$6,409	1.9477	\$12,484	2.3088	\$32,950
Connecticut	70,454	2.0148	141,951	8.54%	\$5,227	1.7206	\$8,993	2.006	\$23,368
DC	30,851	1.4004	43,204	5.49%	\$2,423	1.2775	\$3,095	1.3038	\$6,118
Delaware	23,384	2.0209	47,257	10.57%	\$1,921	1.6055	\$3,084	1.8608	\$6,234
Florida	327,942	2.3749	778,829	9.01%	\$22,645	1.8666	\$42,270	2.1695	\$106,555
Georgia	160,066	2.4712	395,555	8.90%	\$11,211	1.9637	\$22,016	2.3259	\$57,448
Hawaii	18,521	2.1304	39,457	6.04%	\$1,846	1.6559	\$3,057	1.913	\$7,152
Idaho	34,393	2.1372	73,505	10.30%	\$2,625	1.6109	\$4,229	1.81	\$9,665
Illinois	268,127	2.3903	640,904	10.78%	\$17,847	2.0034	\$35,755	2.4119	\$94,634
Indiana	138,452	2.1345	295,526	9.65%	\$9,856	1.811	\$17,850	2.1338	\$47,403
Iowa	71,501	1.956	139,856	9.03%	\$4,571	1.6286	\$7,445	1.8602	\$17,443
Kansas	64,478	2.0441	131,799	9.47%	\$4,438	1.7094	\$7,587	2.0112	\$17,533
Kentucky	87,784	2.0919	183,635	9.69%	\$6,013	1.7301	\$10,402	2.0211	\$27,338
Louisiana	98,904	2.0276	200,538	10.28%	\$6,038	1.6743	\$10,110	1.8915	\$27,027
Maine	40,467	2.2283	90,173	14.99%	\$2,942	1.7339	\$5,101	1.9861	\$11,046
Maryland	105,106	2.0861	219,262	8.22%	\$7,533	1.7612	\$13,267	2.0473	\$32,611
Massachusetts	191,806	2.1807	418,271	11.82%	\$13,837	1.8146	\$25,108	2.1216	\$63,523
Michigan	217,893	2.2154	482,720	11.18%	\$15,372	1.8037	\$27,727	2.0894	\$66,365
Minnesota	158,037	2.3259	367,578	12.72%	\$10,379	1.8864	\$19,578	2.2206	\$43,080
Micciccioni	E0 200	1.0200	115 011	10.00%	60 700	1 5050	en nnn	1 000	\$4.4.000

Source: Analysis, using BEA RIMS-II (2007/2016) multipliers for hospital NAICS Code 622000, released 2018, applied to American Hospital Association Annual Survey data for 2016. Hospital jobs are total part time and full time jobs. Hospital labor income is defined as payroll plus benefits. The percent of total employment supported by direct and indirect hospital employment is based on 2016 BLS data. Expenditures are defined as total expenditures minus bad debt. In previous years, expenditures were defined as net patient revenue plus other operating revenue.

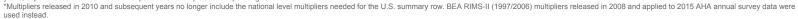




Chart 6.8 -Percent of Total Regional Emplo.. Chart 6.9 - Impact of Community Hospitals on U.S. ...

Chart 6.10 -Percent of Costs by Category in the In..

Chart 6.11 -Hospital Impact on Sectors of the U.S.. Chart 6.12 - Impact of Community Hospitals on U.S. ..

Chapter 7 -Community Health Indicators Chart 7.1 : U.S. Population Trends and Projections b...

Chart 7.2 - U.S. Population Trends and Projections b.. Chart 7.3 -Age-Adjusted Death Rates, Sele... Chart 7.4 -Number of Persons with Asthma Chart 7.5 -Prevalence of Chronic Condition...



Advancing Health in America

Chapter 7

Community Health Indicators

Chart 6.9 -Chart 7.1 : U.S. Chart 7.4 -Chart 7.6 - Percent Chart 6.10 -Chart 6.11 -Chart 6.12 - Impact Chapter 7 -Chart 7.2 - U.S. Chart 7.3 -Chart 7.5 -Community Health Number of Persons Impact of Percent of Costs by Hospital Impact on of Community Population Trends Population Trends Age-Adjusted Prevalence of of Fee-for-Service and Projections b.. Chronic Condition.. Medicare Benefici. Community Hos.. Category in the In.. Sectors of the U.S.. Hospitals on U.S. Indicators and Projections b.. Death Rates, Sele.. with Asthma

Chart 7.1: U.S. Population Trends and Projections by Age, 2016 – 2060

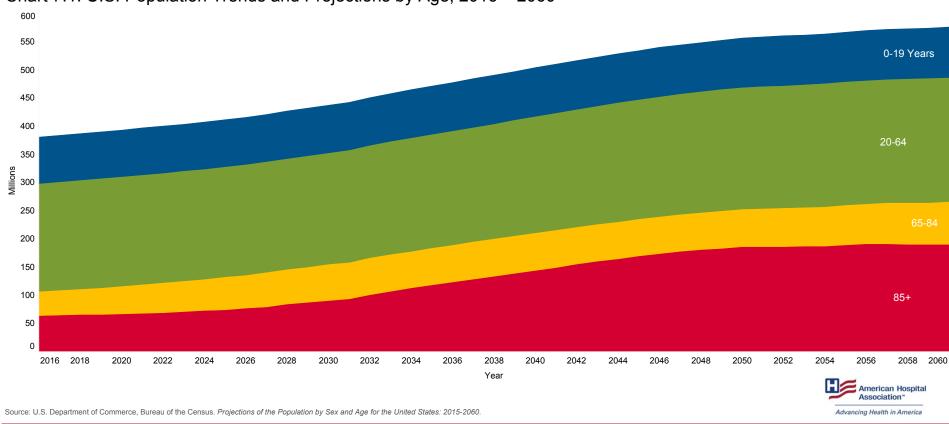
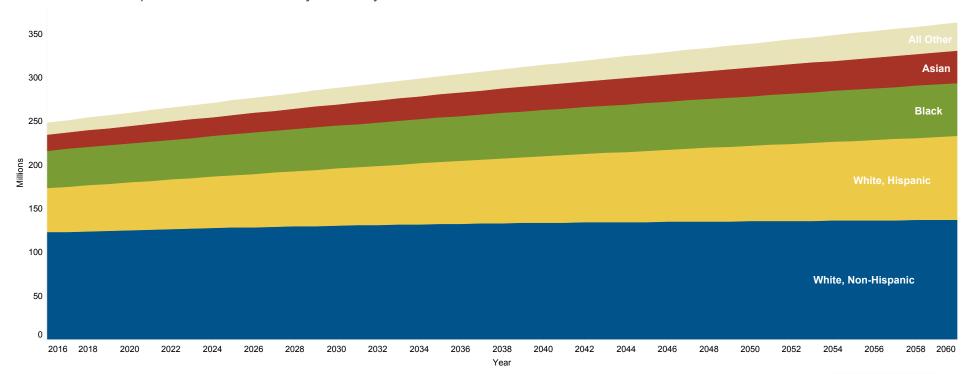


Chart 6.10 -Chart 7.2 - U.S. Chart 7.4 -Chart 6.11 -Chart 6.12 - Impact Chapter 7 -Chart 7.1 : U.S. Chart 7.3 -Chart 7.5 -Chart 7.6 - Percent Chart 7.7 - Chronic Percent of Costs Hospital Impact on of Community Community Health Population Trends Population Trends Age-Adjusted Number of Persons Prevalence of of Fee-for-Service Disease by Category in t.. and Projections b.. Sectors of the U.S.. Hospitals on U.S. Indicators and Projections b.. Death Rates, Sele.. with Asthma Chronic Condition.. Medicare Benefici. Prevalence in Me..

Chart 7.2: U.S. Population Trends and Projections by Race, 2016 – 2060



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

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

(2) Black, Asian and all other categories include Hispanic and non-Hispanic individuals



Chart 6.11 -Hospital Impact on Sectors of th... Chart 6.12 - Impact of Community Hospitals on U.S. ..

Chapter 7 -Community Health Indicators

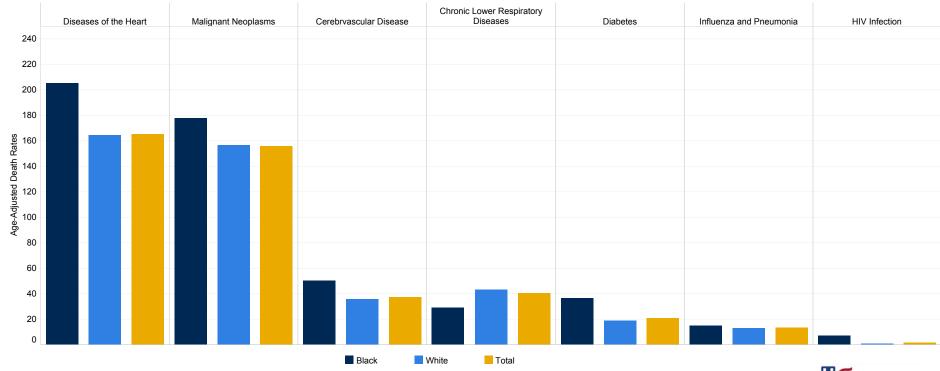
Chart 7.1 : U.S.
Population Trends
and Projections b..

Chart 7.2 - U.S. Population Trends and Projections b.. Chart 7.3 -Age-Adjusted Death Rates, Sele.. Chart 7.4 -Number of Persons with Asthma Chart 7.5 -Prevalence of Chronic Condition... Chart 7.6 - Percent of Fee-for-Service Medicare Benefici.. Chart 7.7 Disease Prevalent

Chart 7.7 - Chronic
Disease
Prevalence in Me..

Chart 7.8 - Chronic
Disease
Emergency Depar..

Chart 7.3: Age-Adjusted Death Rates, Selected Causes, by Race, 2016



Source: National Center for Health Statistics. (2018). Health, United States, 2017. Hyattsville, MD.

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



Chart 6.12 -Impact of Community Hos.. Chapter 7 -Community Health Indicators Chart 7.1 : U.S. Population Trends and Projections b..

Chart 7.2 - U.S.
Population Trends
and Projections b..

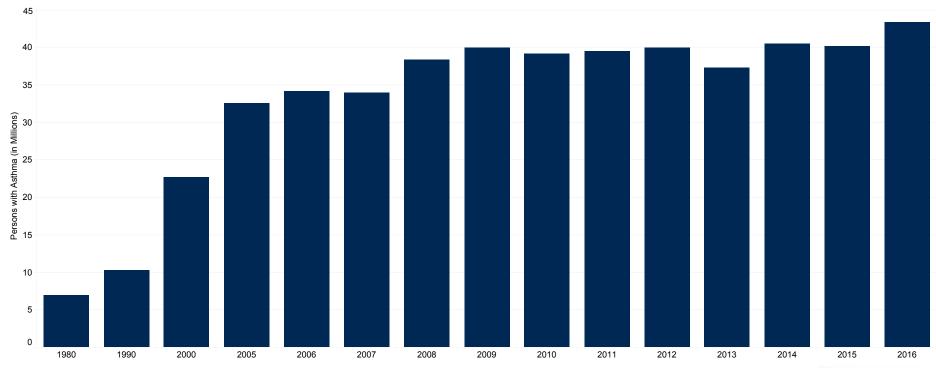
Chart 7.3 -Age-Adjusted Death Rates, Sele. Chart 7.4 -Number of Persons with Asthma Chart 7.5 -Prevalence of Chronic Condition... Chart 7.6 - Percent of Fee-for-Service Medicare Benefici..

Chart 7.7 - Chronic Disease Prevalence in Me..

Chart 7.8- Chronic Disease Emergency Depar...

Chart 7.9- Chronic Disease Readmissions, 20...

Chart 7.4: Number of Persons with Asthma, 1980 – 2016



 $Source: Centers for Medicare \& Medicard Services, Multiple Chronic Conditions, \\ \underline{https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Chronic-Conditions/MCC_Main.html}$



Advancing Health in America

Chart 7.1 : U.S.
Population Trends
and Projections b..

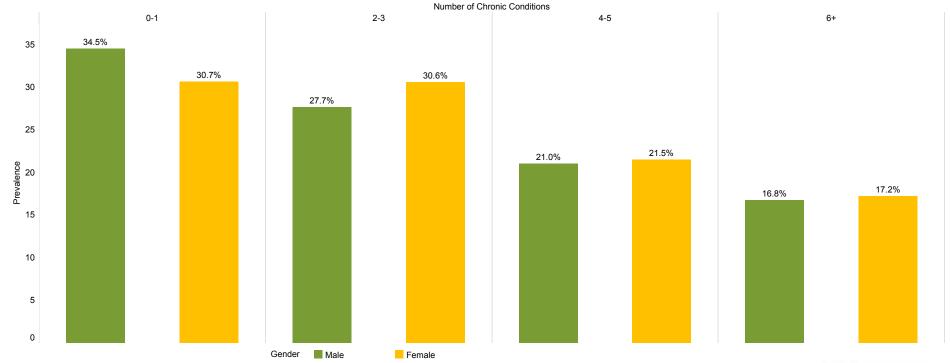
Chart 7.2 - U.S. Population Trends and Projections b.. Chart 7.3 -Age-Adjusted Death Rates, Sele.. Chart 7.4 -Number of Persons with Asthma Chart 7.5 -Prevalence of Chronic Condition.. Chart 7.6 - Percent of Fee-for-Service Medicare Benefici..

Chart 7.7 - Chronic Disease Prevalence in Me..

Chart 7.8- Chronic Disease Emergency Depar.. Chart 7.9- Chronic Disease Readmissions, 20..

Chart 7.10- Chronic Disease Spending Per Capita, 2017

Chart 7.6: Prevalence of Chronic Conditions in Medicare Beneficiaries, by Gender, 2017



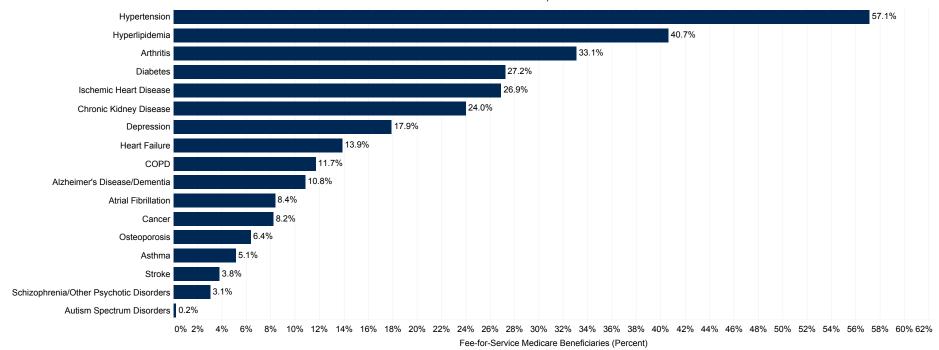
Source: National Center for Health Statistics. (2018). Health, United States, 2017. Hyattsville, MD.

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



Chart 7.1 : U.S. Chart 7.2 - U.S. Chart 7.3 -Chart 7.4 -Chart 7.5 -Chart 7.6 - Percent Chart 7.7 - Chronic Chart 7.8- Chronic Chart 7.9- Chronic Chart 7.10- Chronic Chart 7.11 -Population Population Trends Age-Adjusted Number of Persons Prevalence of of Fee-for-Service Disease Disease Disease Disease Spending Percent of and Projections b.. Trends and Proj.. Death Rates, Sele.. with Asthma Chronic Condition.. Medicare Benefici. Prevalence in Me.. Emergency Depar. Readmissions, 20. Per Capita, 2017 Medicare FFS Be..

Chart 7.6: Percent of Fee-for-Service Medicare Beneficiaries with Chronic Conditions, 2017



Source: Centers for Medicare & Medicaid Services, Multiple Chronic Conditions, https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Chronic-Conditions/MCC Main.html



Chart 7.2 - U.S. Population Trends and Proj.. Chart 7.3 -Age-Adjusted Death Rates, Sele.. Chart 7.4 -Number of Persons with Asthma

Chart 7.5 -Prevalence of Chronic Condition... Chart 7.6 - Percent of Fee-for-Service Medicare Benefici..

Chart 7.7 - Chronic Disease Prevalence in Me..

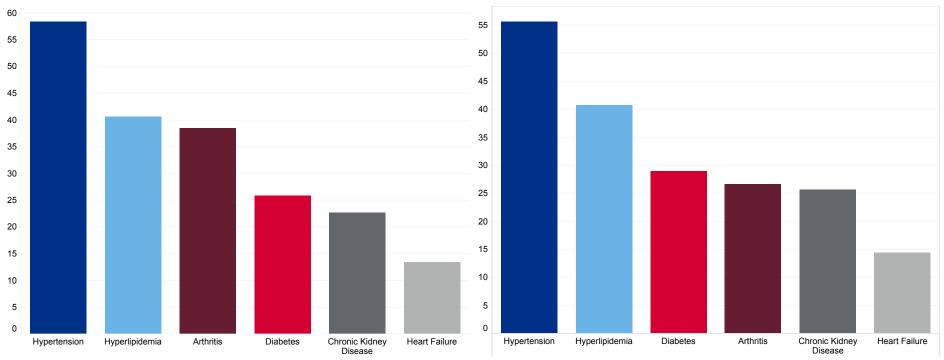
Chart 7.8- Chronic Disease Emergency Depar..

Chart 7.9- Chronic Disease Readmissions, 20...

Chart 7.10- Chronic Disease Spending Per Capita, 2017 Chart 7.11 -Percent of Medicare FFS Be.. Chart 7.12- Per Capita Spending on Chronic Condit...

Chronic Disease Prevalence in Males, Medicare FFS, 2017

Chronic Disease Prevalence in Females, Medicare FFS, 2017

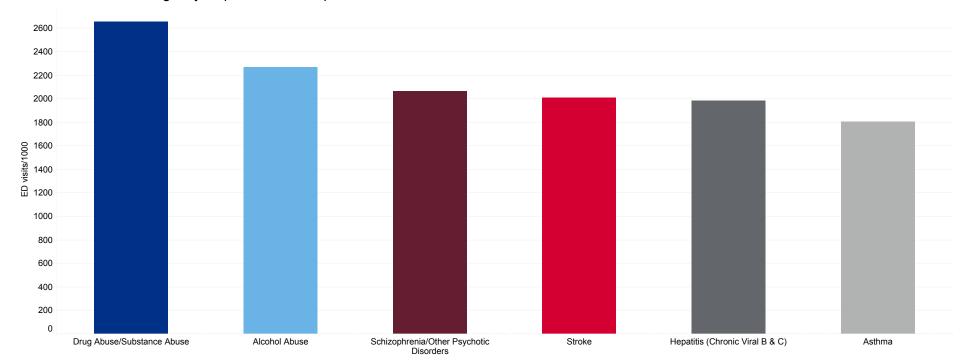


Source: Centers for Medicare & Medicaid Services, Multiple Chronic Conditions, https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Chronic-Conditions/MCC_Main.html



Chart 7.3 -Chart 7.8- Chronic Chart 7.9- Chronic Chart 7.12- Per Chart 7.- Chart Chart 7.4 -Chart 7.5 -Chart 7.6 - Percent Chart 7.7 - Chronic Chart 7.10- Chronic Chart 7.11 -Age-Adjusted Number of Persons Prevalence of of Fee-for-Service Disease Disease Disease Disease Spending Percent of Capita Spending 7.13: Percent Death Rates, S... Medicare Benefici. with Asthma Chronic Condition.. Prevalence in Me.. Emergency Depar.. Readmissions, 20.. Per Capita, 2017 Medicare FFS Be.. on Chronic Condit.. Uninsured by Race

Chronic Disease Emergency Department Visits per 1000 Beneficiaries, 2017



Centers for Medicare & Medicaid Services, Multiple Chronic Conditions, https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Chronic-Conditions/MCC_Main.html



Chart 7.4 -Number of Persons with As..

Chart 7.5 -Prevalence of Chronic Condition..

Chart 7.6 - Percent of Fee-for-Service Medicare Benefici.

Chart 7.7 - Chronic Disease Prevalence in Me..

Chart 7.8- Chronic Disease Emergency Depar.

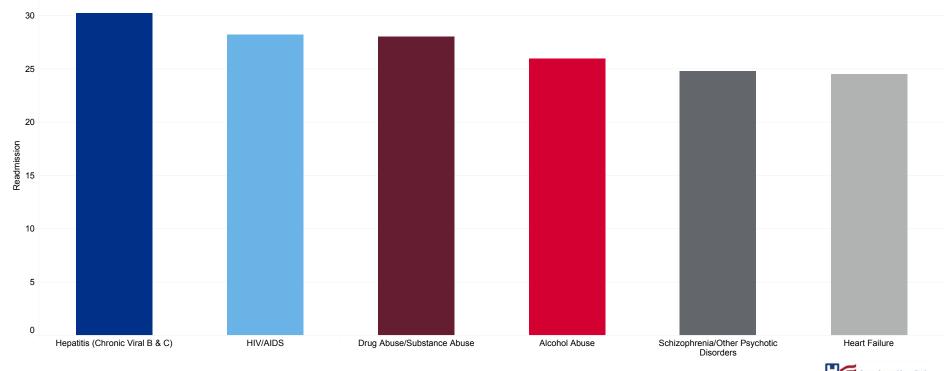
Chart 7.9- Chronic Disease Readmissions, 20.. Chart 7.10- Chronic Disease Spending Per Capita, 2017

Chart 7.11 -Percent of Medicare FFS Be..

Chart 7.12- Per Capita Spending on Chronic Condit..

Chart 7.- Chart 7.13: Percent Uninsured by Race Chart 7.14 -Percent of Adults with No Usual So ..

Chronic Disease Readmissions, 2017



Centers for Medicare & Medicaid Services, Multiple Chronic Conditions, https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Chronic-Conditions/MCC_Main.html



Chart 7.5 -Prevalence of Chronic Conditi..

Chart 7.6 - Percent of Fee-for-Service Medicare Benefici.

Chart 7.7 - Chronic Disease Prevalence in Me..

Chart 7.8- Chronic Disease Emergency Depar..

Chart 7.9- Chronic Disease Readmissions, 20.

Chart 7.10- Chronic Disease Spending Per Capita, 2017

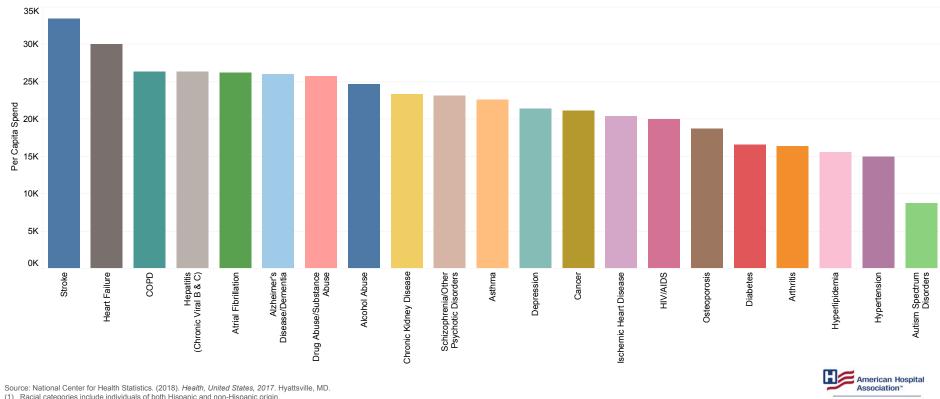
Chart 7.11 -Percent of Medicare FFS Be..

Chart 7.12- Per Capita Spending on Chronic Condit.

Chart 7.- Chart 7.13: Percent Uninsured by Race

Chart 7.14 -Percent of Adults with No Usual So.. Chart 7.15 -Percent of Adults with No Usual So..

Chronic Disease Spending Per Capita, 2017

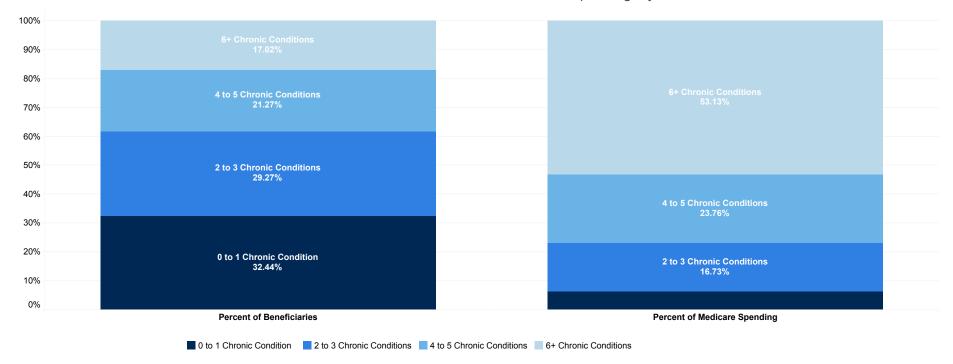


(1) Racial categories include individuals of both Hispanic and non-Hispanic origin.

Advancing Health in America

Chart 7.6 -Chart 7.7 - Chronic Chart 7.8- Chronic Chart 7.9- Chronic Chart 7.10- Chronic Chart 7.11 -Chart 7.12- Per Chart 7.- Chart Chart 7.14 -Chart 7.15 -Chart 7.16 -Percent of Disease Disease Disease Disease Spending Percent of Capita Spending 7.13: Percent Percent of Adults Percent of Adults Percent of Children Fee-for-Service .. Prevalence in Me.. Emergency Depar.. Readmissions, 20.. Per Capita, 2017 Medicare FFS Be .. on Chronic Condit.. Uninsured by Race with No Usual So.. with No Usual So .. with No Unusual ..

Chart 7.11: Percent of Medicare Fee-for-Service Beneficiaries vs. Percent of Medicare Spending, by Number of Chronic Conditions, 2016

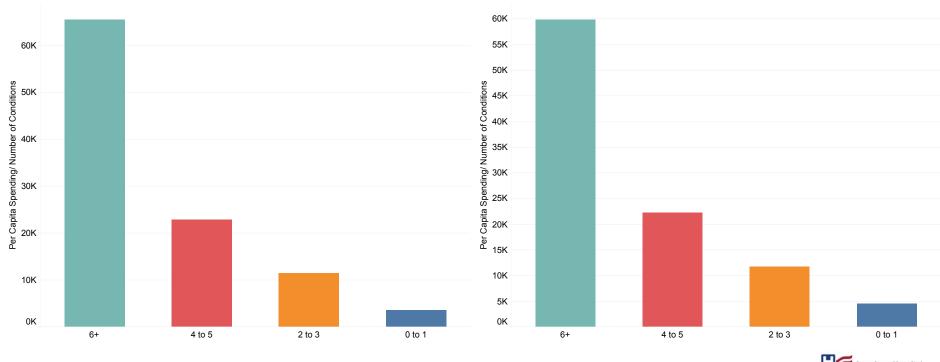


Centers for Medicare & Medicaid Services. Medicare Chronic Condition Dashboard. Data released 2018. Available at: https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Dashboard/chronic-conditions-region/cc_region_dashboard.html.



Chart 7.12: Per Capita Spending on Chronic Conditions in Medicare Beneficiaries, in Males, 2017

Chart 7.12: Per Capita Spending on Chronic Conditions in Medicare Beneficiaries, in Females, 2017



Centers for Medicare & Medicaid Services, Multiple Chronic Conditions, https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Chronic-



Chart 7.8-Chronic Disease Disease Emergency Dep..

Chart 7.9- Chronic Readmissions, 20..

Chart 7.10- Chronic Disease Spending Per Capita, 2017

Chart 7.11 -Percent of Medicare FFS Be..

Chart 7.12- Per Capita Spending on Chronic Condit.

Chart 7.- Chart 7.13: Percent Uninsured by Race

Chart 7.14 -Percent of Adults with No Usual So..

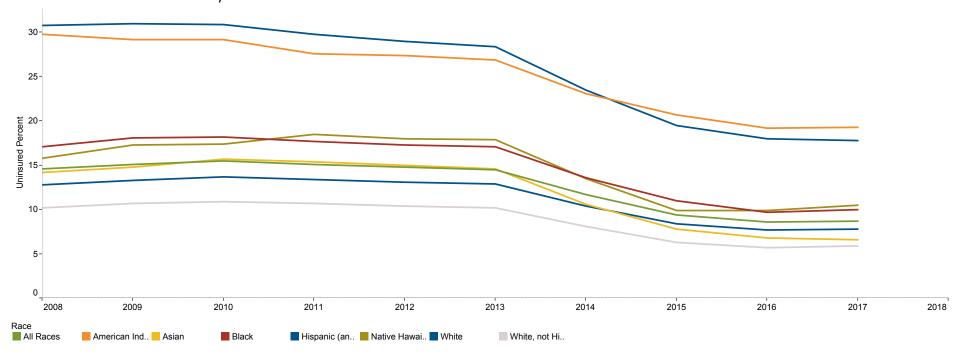
Chart 7.15 -Percent of Adults with No Usual So ..

Chart 7.16 -Percent of Children with No Unusual .

Chart 7.17 -Percent of Children with No Usual So..

Chart 7.18 -Percent of Individuals with N..

Chart 7.13: Percent Uninsured by Race



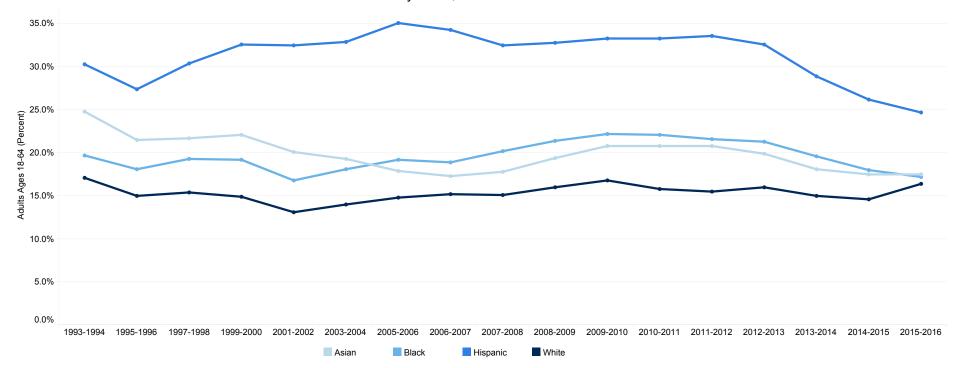
Source: National Center for Health Statistics. (2018). Health, United States, 2017. Hyattsville, MD.

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



Chart 7.9-Chart 7.14 -Chart 7.10- Chronic Chart 7.11 -Chart 7.12- Per Chart 7.- Chart Chart 7.15 -Chart 7.16 -Chart 7.17 -Chart 7.18 -Chart 7.19 -Chronic Disease Disease Spending Percent of Capita Spending 7.13: Percent Percent of Adults Percent of Adults Percent of Children Percent of Children Percent of Percent of Children Readmissions, Per Capita, 2017 Medicare FFS Be .. on Chronic Condit. Uninsured by Race with No Usual So .. with No Usual So .. with No Unusual with No Usual So .. Individuals with N.. with No Health Ca..

Chart 7.14: Percent of Adults with No Usual Source of Care by Race, 1999 - 2016



Source: National Center for Health Statistics. (2018). Health, United States, 2017: With special feature on mortality. https://www.cdc.gov/nchs/hus/index.htm



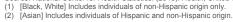
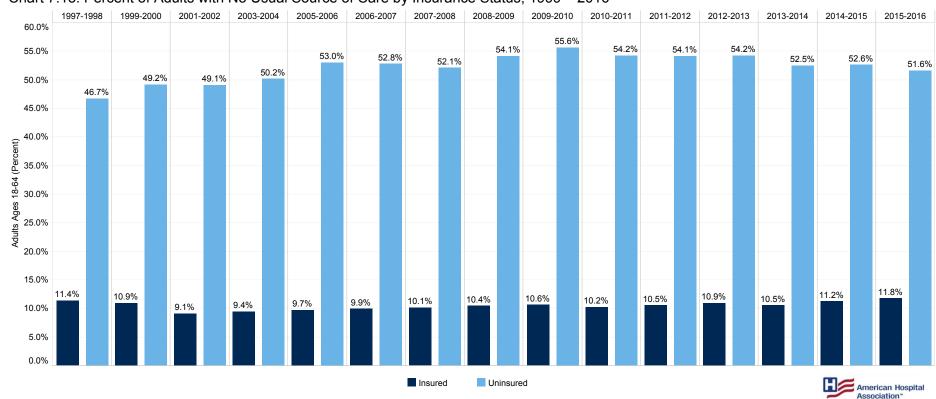




Chart 7.10-Chronic Disease Spending Per C.. Chart 7.11 -Percent of Medicare FFS Be.. Chart 7.12- Per Capita Spending on Chronic Condit... Chart 7.- Chart 7.13: Percent Uninsured by Race

Chart 7.14 -Percent of Adults with No Usual So. Chart 7.15 -Percent of Adults with No Usual So... Chart 7.16 -Percent of Children with No Unusual .. Chart 7.17 -Percent of Children with No Usual So.. Chart 7.18 -Percent of Individuals with N.. Chart 7.19 -Percent of Children with No Health Ca.. Chart 7.20 -Percent of Children with No Dental Vis..

Chart 7.15: Percent of Adults with No Usual Source of Care by Insurance Status, 1999 – 2016



Source: National Center for Health Statistics. (2018). Health, United States, 2017: With special feature on mortality. https://www.cdc.gov/nchs/hus/index.htm



Advancing Health in America

Chart 7.18 -Chart 7.11 -Chart 7.16 -Chart 7.12- Per Chart 7.- Chart Chart 7.14 -Chart 7.15 -Chart 7.17 -Chart 7.19 -Chart 7.20 -Chart 7.21 -Percent of Adults Percent of Adults Percent of Children Percent of Capita Spending 7.13: Percent Percent of Children Percent of Percent of Children Percent of Children Percent of Children with No Usual So. with No Dental Vis.. Medicare FFS B.. on Chronic Condit.. Uninsured by Race with No Usual So. with No Unusual .. with No Usual So .. Individuals with N.. with No Health Ca.. Vaccinated by Ra..

Chart 7.16: Percent of Children with No Usual Source of Care by Race, 1999 – 2016

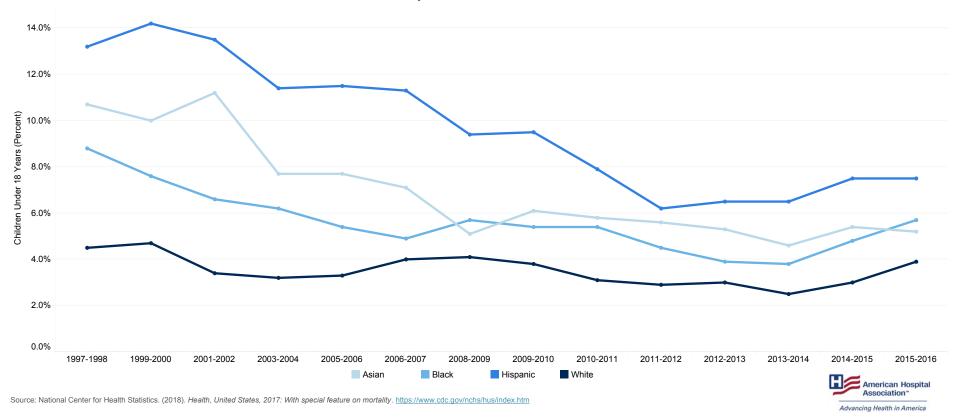
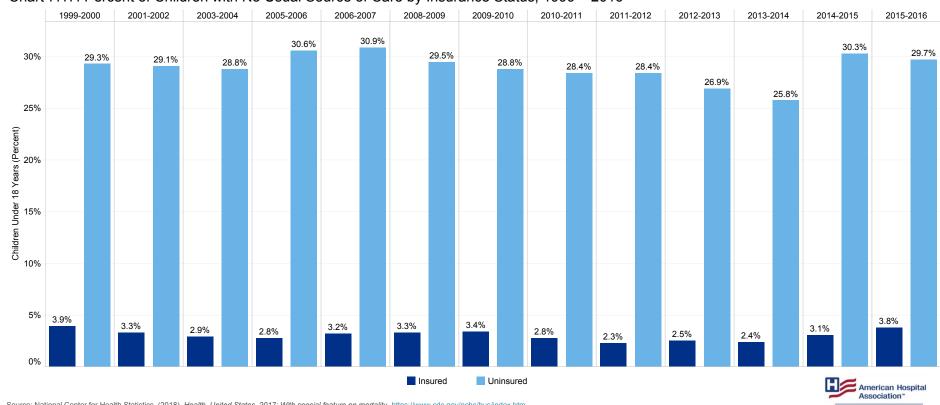


Chart 7.12- Per Chart 7.17 -Chart 7.18 -Chart 7.- Chart Chart 7.14 -Chart 7.15 -Chart 7.16 -Chart 7.19 -Chart 7.20 -Chart 7.21 -Chart 7.22 -Percent of Adults Percent of Children Percent of Children Percent of Children Capita Spending 7.13: Percent Percent of Adults Percent of Children Percent of Percent of Children Percent of Women on Chronic Con.. Uninsured by Race with No Usual So. with No Usual So. with No Unusual with No Usual So .. Individuals with N.. with No Health Ca.. with No Dental Vis.. Vaccinated by Ra.. Receiving Mamm..

Chart 7.17: Percent of Children with No Usual Source of Care by Insurance Status, 1999 - 2016

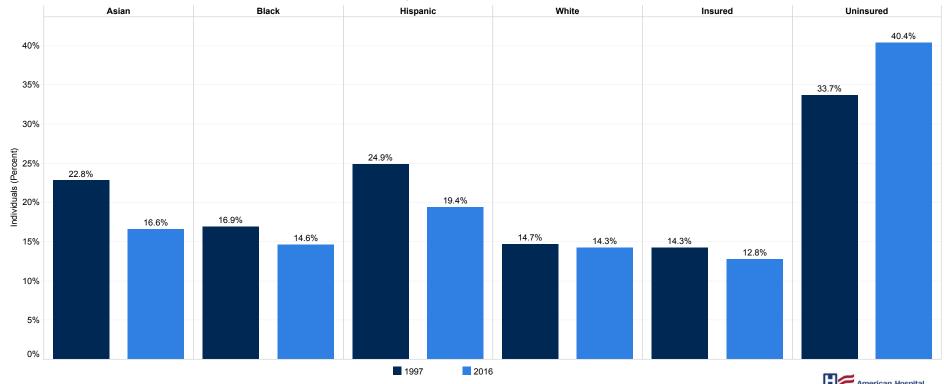


Advancing Health in America

Source: National Center for Health Statistics. (2018). Health, United States, 2017: With special feature on mortality. https://www.cdc.gov/nchs/hus/index.htm

Chart 7.22 -Chart 7.- Chart Chart 7.18 -Chart 7.23 Chart 7.14 -Chart 7.15 -Chart 7.16 -Chart 7.17 -Chart 7.19 -Chart 7.20 -Chart 7.21 -7.13: Percent Percent of Adults Percent of Children Percent of Children Percent of Children Percent of Children Percent of Women Percent of Adults Percent of Percent of Children with No Health Ca.. with No Usual So .. with No Dental Vis... Vaccinated by Ra.. Receiving Mamm.. Uninsured by R.. with No Usual So.. with No Usual So. with No Unusual Individuals with N..

Chart 7.18: Percent of Individuals with No Health Care Visits by Race, Insurance Status, 1997 and 2016



Source: National Center for Health Statistics. (2018). Health, United States, 2017: With special feature on mortality. https://www.cdc.gov/nchs/hus/index.htm

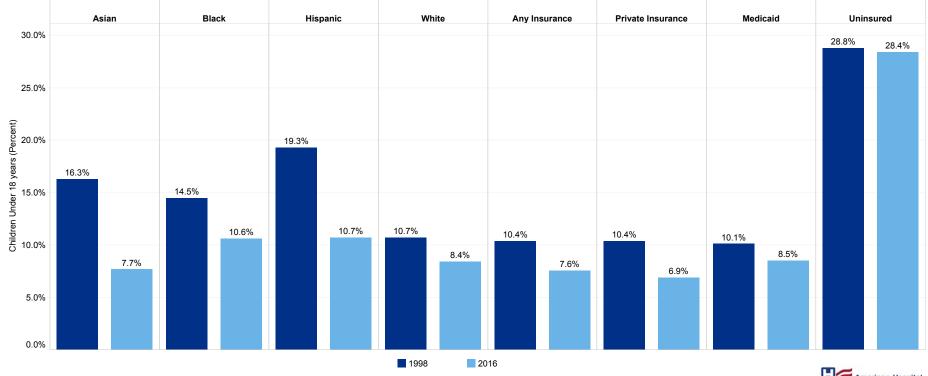
(1) Includes individuals of non-Hispanic origin only.

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



Chart 7.14 -Chart 7.19 -Chart 7.23 Chart 7.24 Chart 7.15 -Chart 7.16 -Chart 7.17 -Chart 7.18 -Chart 7.20 -Chart 7.21 -Chart 7.22 -Percent of Adults Percent of Children Percent of Children Percent of Children Percent of Women Percent of Adults Percent of Children Percent of Percent of Children Receiving Mamm. with No Usual S.. with No Usual So .. with No Unusual with No Usual So .. Individuals with N. with No Health Ca .. with No Dental Vis.. Vaccinated by Ra..

Chart 7.19: Percent of Children with No Health Care Visits by Race, Insurance Status, 1997 and 2016



Source: National Center for Health Statistics. (2018). Health, United States, 2017: With special feature on mortality. https://www.cdc.gov/nchs/hus/index.htm

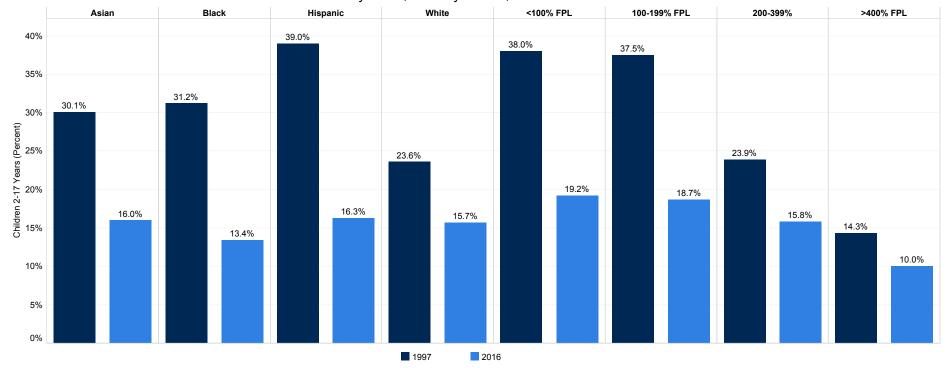
(1) Includes individuals of non-Hispanic origin only.

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



Chart 7.15 -Chart 7.20 -Chart 7.23 Chart 7.24 Chart 7.25 -Chart 7.16 -Chart 7.17 -Chart 7.18 -Chart 7.19 -Chart 7.21 -Chart 7.22 -Percent of Adults Percent of Children 30-Day Percent of Percent of Women with No Health Ca.. with No Dental Vis.. Receiving Mamm.. with No Usual S.. with No Unusual. with No Usual So .. Individuals with N.. Vaccinated by Ra.. Readmission Rate.

Chart 7.20: Percent of Children with No Dental Visits by Race, Poverty Status, 1997 and 2016



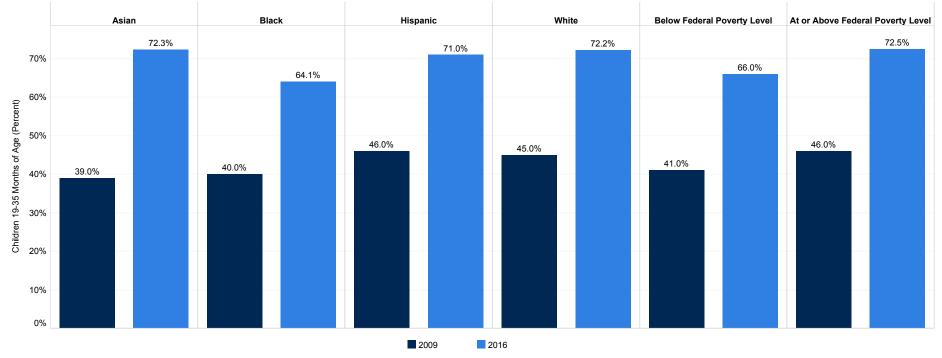
Source: National Center for Health Statistics. (2018). Health, United States, 2017: With special feature on mortality. https://www.cdc.gov/nchs/hus/index.htm

- (1) Includes individuals of non-Hispanic origin only.
- (2) Includes individuals of Hispanic and non-Hispanic origin.(3) FPL = federal poverty level.



Chart 7.25 -30-Day Chart 7.16 -Chart 7.21 -Chart 7.23 Chart 7.24 Chart 7.17 -Chart 7.18 -Chart 7.19 -Chart 7.20 -Chart 7.22 -Percent of Children Percent of Percent of Children Percent of Percent of Children Percent of Children Percent of Women Readmission Rate. Receiving Mamm.. Children with N.. with No Usual So .. Individuals with N.. with No Health Ca.. with No Dental Vis.. Vaccinated by Ra..

Chart 7.21: Percent of Children Vaccinated by Race, Poverty Status, 2009 and 2016



Source: National Center for Health Statistics. (2018). Health, United States, 2017: With special feature on mortality. https://www.cdc.gov/nchs/hus/index.htm (1) Vaccinations include DTP, Polio, MMR, Hib, Hepatitis B, Varicella and PCV.

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

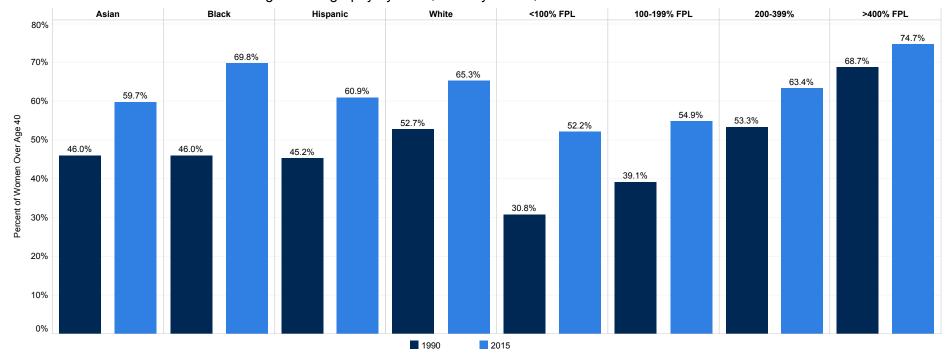
(4) FPL = federal poverty level.



⁽²⁾ Classification methodology changed for the Influenza Type B vaccine—before January 2009, NIS did not distinguish between Hib vaccine product types, so children who received three doses of the vaccine that required four doses were misclassified as fully vaccinated.

Chart 7.25 -30-Day Chart 7.16 -Chart 7.22 -Chart 7.23 Chart 7.24 Chart 7.17 -Chart 7.18 -Chart 7.19 -Chart 7.20 -Chart 7.21 -Percent of Children Percent of Children Percent of Children Percent of Children Percent of Women Percent of Percent of with No Usual So.. with No Dental Vis.. Vaccinated by Ra.. Receiving Mamm.. Readmission Rate. Children with N.. Individuals with N.. with No Health Ca..

Chart 7.22: Percent of Women Receiving Mammography by Race, Poverty Status, 1994 and 2015



Source: National Center for Health Statistics. (2018). Health, United States, 2017: With special feature on mortality. https://www.cdc.gov/nchs/hus/index.htm

(1) Women over 40 years of age.

(2) Indicates use of mammography in two years prior to 1994 and 2013.

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

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

(5) FPL = federal poverty level.

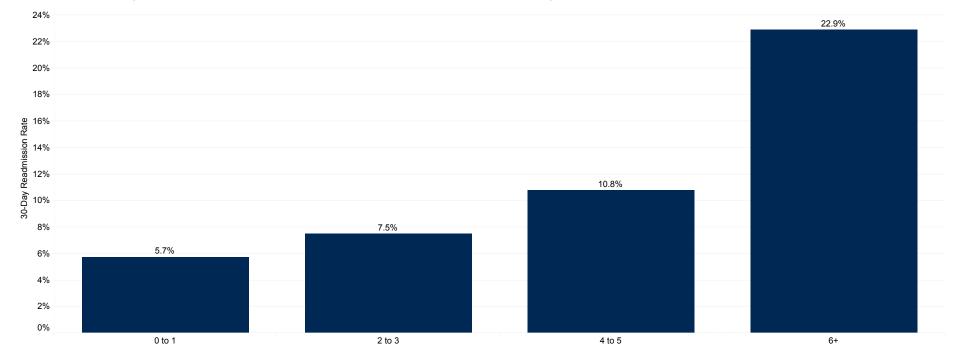


Chart 7.22 -Percent of Women Receiving Mamm.. Chart 7.25 -30-Day Readmission Rate.. Chart 7.23 Chart 7.24 Chart 7.16 -Chart 7.17 -Chart 7.18 -Chart 7.19 -Chart 7.20 -Chart 7.21 -Percent of Percent of Children Percent of Percent of Children Percent of Children Percent of Children Children with N... with No Usual So.. Individuals with N.. with No Health Ca.. with No Dental Vis.. Vaccinated by Ra..

Chart 7.19 -Percent of Children Chart 7.22 -Percent of Women Receiving Mamm.. Chart 7.25 -30-Day Readmission Rate.. Chart 7.23 Chart 7.24 Chart 7.16 -Chart 7.17 -Chart 7.18 -Chart 7.20 -Chart 7.21 -Percent of Children with No Usual So.. Percent of Percent of Percent of Children Percent of Children Children with N... Individuals with N.. with No Health Ca.. with No Dental Vis.. Vaccinated by Ra..

Chart 7.16 -Chart 7.23 Chart 7.24 Chart 7.25 -Chart 7.17 -Chart 7.18 -Chart 7.19 -Chart 7.20 -Chart 7.21 -Chart 7.22 -Percent of Children Percent of Children Percent of Children Percent of Women 30-Day Percent of Percent of Children Percent of with No Dental Vis.. Vaccinated by Ra.. Receiving Mamm. Readmission Rate.. Children with N.. with No Usual So .. Individuals with N.. with No Health Ca..

Chart 7.25: 30-Day Readmission Rate for Medicare Fee-for-Service Beneficiaries by Number of Chronic Conditions, 2016



Source: Centers for Medicare & Medicaid Services. Medicare Chronic Condition Dashboard. Data released 2019. https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Chronic-Conditions/CCDashboard.html (1) Includes 15 CMS identified chronic conditions Chart added in Chartbook 2013.

