**New to the Ninth Edition**

The ninth edition updates all key financial, utilization, and other data with the latest available information. In addition, it conveys important, ongoing, and interrelated trends in the healthcare delivery system about costs, quality, U.S. demographics, personnel, technology, the political climate, and other factors that affect the system. Based on student feedback on the eighth edition, we have eliminated Appendix A and instead included pertinent acronyms following each chapter. Students repeatedly expressed that listing acronyms on a chapter-by-chapter basis rather than in a separate Appendix would be most valuable to their learning.

**Chapter 1: Overview of Health Care: A Population Perspective**

* Current national health expenditure data
* New comparison of U.S. healthcare costs and health status with other developed countries
* Introduces the Medicare access and CHIP Reauthorization Act of 2015 (MACRA)
* Affordable Care Act tax provisions for insurance, pharmaceutical, and medical device companies.
* New estimates of the annual cost of addictive behaviors
* New report on the extent of medical errors
* Chapter acronyms

**Chapter 2: Benchmark Developments in U.S. Health Care**

* Expanded discussion of the Health Insurance Portability and Accountability Act of 1996 (HIPAA) patient information privacy and security rules
* Discussion of discrete features of the Balanced Budget Act of 1997 relative to ongoing programs
* Updates on states’ enactment of end-of-life legislation
* Addition of the Health Information and Technology for Economic and Clinical Health Act (HITECH) as a benchmark development in U.S. health care
* Updates on Affordable Care Act judicial challenges

**Chapter 3: Health Information Technology**

* Update on the Medicare and Medicaid Electronic Health Record Incentive Program also known as the Meaningful Use Program including new information on Modified Stage 2 and updated statistics on physician and hospital participation rates
* Updated national electronic health record adoption statistics
* New discussion of information blocking and associated Congressional action
* New topic on national conversion to ICD-10 billing codes
* New key terms and chapter acronyms

**Chapter 4: Hospitals: Origin, Organization, and Performance**

* Added definition and the significance of the Triple Aim
* Added definition and the significance of the Two-Midnight Rule
* Added definition and the significance of the Choosing Wisely campaign
* Added information on certification of hospitalists
* Added a new section on the Medicare Access & CHIP Reauthorization Act of 2015 (MACRA) and how this will impact hospitals’ quality reporting and charge capture activities
* New key terms and chapter acronyms

**Chapter 5: Ambulatory Care**

* Update of Patient Protection and Affordable Care Act primary care initiatives, programs, and demonstrations with latest data available on implementation and results, including federally qualified health centers and primary care workforce development
* Increasing hospital employment of physicians
* Research findings and trends on implementation of the patient-centered medical home and accountable care organizations
* Trends in emergency department use and emergence of clinical observation units
* Trends in increasing utilization of urgent care and retail clinics
* Discussion of telehealth
* New key terms and acronyms

**Chapter 6: Medical Education and the Changing Practice of Medicine**

* Description of the new Clinical Informatics Subspecialty
* Description and discussion on the American Board of Medical Specialty’s (ABMS) Maintenance of Certification (MOC) Program
* Delineation of training program accreditation and individual physician board certification activities
* Delineation of the typical training pathway for U.S. physicians
* Update on physician work force training issues and the ratios of generalist to specialist physicians and the changing demand
* New description of the NIH Public Access Policy and discussion of the free and open access to the biomedical literature
* New discussion on the shortage of residency program slots relative to the increasing number of U. S. medical school graduates
* Update on Physician Compare
* New key terms and acronyms

**Chapter 7: The Health Care Workforce**

* Addition of Maintenance of Certification (MOC) for physicians
* Addition of a description of Medical Assistants and the role they play in the modern health care system
* Update on all employment statistics and job outlook for the various health care occupations with the most recent U.S. Census data available
* Update on complementary and integrative health to reflect current definitions and terminology as well as updated complementary and integrative medicine use statistics for adults and children
* Update on the lack of Congressional funding for the National Health Care Workforce Commission in the Affordable Care Act
* Expanded key terms for review

**Chapter 8: Financing Health Care**

* Most current national health care expenditure data with updated graphics
* Update on private health insurance coverage and costs
* Throughout the chapter, integration of ACA provisions in terms of system effects on payment and quality parameters for Medicare and Medicaid
* Current Medicare and Medicaid enrollment data
* Discussion of the federal financial impacts of the ACA implementation
* Organization of Medicare cost containment and quality initiatives by decade
* Introduction of Medicare and CHIP Reauthorization Act of 2015 (MACRA) into Medicare and Medicaid programs
* 2016 Medicaid managed care reform modernization legislation
* Parameters for Medicaid quality assessment of adult and children services
* Discussion of ACA Medicaid expansion results to date
* Addition of disproportionate share hospital payments in Medicaid section
* Update on health insurance marketplaces
* New key terms and acronyms

**Chapter 9: Long-term Care**

Updated:

* Projections of older American population
* Data on all forms of long-term care accommodations
* Data on long-term care resident characteristics, costs, and payment sources
* Data on nursing home ownership
* Data on number and dollar value of informal long-term caregivers
* Data on continuing care retirement and life care communities

Reports on:

* Ground-breaking 2012 National Study of Long-term Care Providers (NSLTCP)
* Emerging states’ initiatives to expand paid family medical leave

**Chapter 10: Behavioral Health Services**

* New data and figures on the prevalence of all mental illness and serious mental illness by age groups, gender, and race/ethnicity
* Updated data and figures on types of neuropsychiatric disorders
* New cost data for behavioral health services
* New discussion of the impact of the Affordable Care Act insurance and Medicaid expansions on access to behavioral health services
* New review of homelessness and incarceration among mentally ill persons
* New discussion of behavioral health manpower shortages and evolving personnel changes in delivery of behavioral health treatment
* New discussion of the integration of psychiatric and primary care services through the evidence-based collaborative care model

**Chapter 11: Public Health and the Role of Government**

* Enhanced descriptions of federal, state, and local roles in U.S. health care and public health
* New figure on distribution of DHHS funds by program for FY 2017 budget
* New 2017 information on the Department of Health and Human Services programs and budgets
* Healthy People 2020 progress report
* New detailed discussion of the roles and responsibilities of state and local public health departments
* New tables outlining major state and local health department activities
* New discussion of research findings on state and local health department relationships
* Updated report on the deployment of the ACA Public Health Fund
* New discussions of domestic public health challenges: gun violence, opioid addiction, lead poisoning, and chronic disease management
* New discussion of recent and current U.S./global public health infectious disease challenges and implications: Ebola, pandemic influenza, Severe Acute Respiratory Syndrome (SARS), and Zika virus
* Additional key terms and acronyms

**Chapter 12: Research: How Health Care Advances**

* New and updated section on evidence-based medicine
  + The hierarchy of evidence
  + Detailed example using the Women’s Health Initiative to describe the differences between observational studies and randomized controlled clinical trials
  + Definitions of systematic reviews, randomized controlled clinical trials, observational studies, case series, and expert opinion
  + Discussion of the ethics of randomized controlled clinical trials
* Clarification of the terms Big Data and Big Data Analytic for observational studies
* Discussion of the influence of the pharmaceutical industry over medical education and student-led push back
* Information on research ethics per the ACA Sunshine Act
* Updated Future Challenges section
* New key terms and acronyms

**Chapter 13: Future of Health Care**

* Current overview of federal policies and regulations on population-based approaches to medical care and associated payment reforms including the Medicare Access and CHIP Reauthorization Act of 2015
* Update on health care technology trends and costs
* Updates on health system mergers and acquisitions and their effects
* Review of Congressional funding actions on ACA provisions
* Updated information on the future of employer-sponsored health insurance and the adoption of high-deductible health insurance plans