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Preface

As of this writing, a few weeks after the health insurance exchanges were opened for enrollment on October 1, 2013, millions of Americans across the nation were beginning to get a first-hand experience with the Affordable Care Act (ACA), nicknamed Obamacare. In a country in which people have been divided almost in the middle on their views, there has been no dearth of speculations on both sides ever since the ACA became law. One side has claimed that the ACA is destined to fail, while the other side has reached the grandiose conclusion that, finally, most Americans will have access to affordable, high-quality health care. We think that such prophetic assertions on both sides are premature. The truth perhaps lies somewhere between the two extremes, but it will not be known for at least a year or two.

Some provisions of the ACA went into effect between 2010 and 2012. They included coverage of children and adults under the age of 26 as dependents under their parents' health insurance plans, elimination of lifetime dollar limits in health plans, increases in annual caps on health care use, inclusion of preventive services with no out-of-pocket expenses, temporary credits to small employers to offset health insurance costs, certain discounts on drugs for Medicare

beneficiaries, and a requirement that health plans spend no less than a certain proportion of the premiums on providing medical care. These mandates, mainly imposed on insurers, were implemented without much ado as most consumers benefited from them. The additional costs were, of course, borne by the insurers. Eventually, however, increased business costs are always passed on to the consumers.

The eventual success or failure of the ACA, or of any other health care reform efforts in the future, will hinge on several factors. Some critical unanswered questions are: Will a large number of young and healthy people enroll through the exchanges to prevent an upward spiral in premium costs, sometimes referred to as a "death spiral?" Will the employment-based health insurance system survive, and, if so, to what extent? Will private insurance companies continue to participate in the government exchanges, or will they hand over the reins to the government at some point? Will the number of providers be sufficient to care for a large influx of the newly insured population? Will Americans have at least the same level of access to health care services that the insured now have, or will access deteriorate for everyone? Will a heavily indebted nation be able to afford the rising levels of spending without causing serious dislocations in the overall economy? Even though there is uncertainty in these areas, this book attempts to inform the readers on these and many other issues based on what is already known and what some of the trends may be pointing to. In most areas, however, we offer known facts so that the readers can apply their critical thinking skills and draw their own conclusions, pro or con.

Reforms under the new law contain several areas aimed at improving the current health care system. The main areas include a reinvigorated emphasis on prevention; incentives for care coordination; incentives for hospitals to improve quality; enhanced quality reporting requirements; federal assistance to improve the primary care infrastructure, although it is quite inadequate; federal support to authorize "generic" (biosimilar) versions of certain biologics; and insurance coverage for low-income citizens and certain vulnerable groups. These reforms have theoretical bases and precedents so that positive outcomes can be expected in the future.

On the flip side, the ACA has created much confusion, uncertainty, and controversy. For employers, even though the mandate to provide health insurance has been delayed until January 2015, complex reporting requirements will increase business costs. Both large and small businesses are juggling with various options in an effort to find optimum solutions. Eventually, many workers will be left with reduced work hours, unaffordable premiums, without family coverage altogether, or complete loss of a job because of how the ACA has been crafted. As an example of the burden many working Americans are likely to face, researchers at the Kaiser Family Foundation estimated that 3.9 million non-working

dependents were in families in which the worker had employment-based coverage but the family did not. These family members would be excluded from getting federal tax credits to subsidize their purchase of health insurance through the government-run marketplaces. On another front, literally millions of Americans have experienced cancellation of their existing privately-purchased health insurance because the policies do not comply with ACA mandates. That these covered individuals were satisfied with their insurance is inconsequential as far as ACA compliance is concerned. The same individuals are finding premiums to be unaffordable when they sign up for coverage through the government-run marketplaces. A last-minute announcement by the Obama administration on November 14, 2013 to allow existing insurance policies to continue for another year under certain conditions seems to have done little to assuage the problem.

The US Supreme Court did not help matters when it upheld half of the law, but let states decide whether they wished to expand their Medicaid programs—as initially intended by the ACA—or opt out. About half the states have opted out, which leaves many vulnerable groups in those states in a state of uncertainty if they are not already covered under Medicaid.

Other issues associated with the ACA include the bulk of the previously uninsured people still to be left without health insurance (estimated to be around 25 to 30 million), uncertain health care costs, experimentation with untested care delivery models that could create dislocations in access and cost, and controversies and legal actions still in place even after the Supreme Court's ruling that was handed down in June 2012. The latter category includes lawsuits brought by Catholic and other religious

groups based on objections to providing contraceptives mandated by the ACA. On December 31, 2013, US Supreme Court justice, Sonia Sotomayor, an Obama appointee, issued a temporary injunction that blocked the Obama administration from enforcing the birth control mandate for certain Catholic groups. Of course, the Obama administration has objected to Sotomayor's injunction. According to one report, more than 90 legal challenges have been filed around the country, and the ACA could once again be reviewed by the Supreme Court. In addition, the forthcoming November 2014 congressional elections have some Democrats worried because they voted for the now unpopular ACA. They are trying their best to distance themselves from the ACA. No doubt, the ACA faces turbulent times ahead. Hence, confusion and uncertainty are likely to prevail for some time to come.

New to This Edition

This Sixth Edition has undergone some of the most extensive revisions we have ever undertaken. We have done this while maintaining the book's basic structure and layout which, for more than 15 years, has served quite well in helping readers both at home and overseas understand the complexities of the US health care delivery system. Some basic elements of US health insurance and delivery are intentionally retained to assist the growing number of foreign students in US colleges and universities, as well as those residing in foreign countries.

The major updates reflect on two main areas: (1) Regardless of its future, the ACA will radically change health care delivery in the United States, for better or for worse. Because of its far-reaching scope, different

aspects of the ACA are woven through all 14 chapters (see the Topical Reference Guide to the Affordable Care Act for easy reference). The reader will find a gradual unfolding of this complex and cumbersome law so it can be slowly digested. To aid in this process, every chapter ends with a new feature, "ACA Takeaway," as an overview of what the reader would have encountered in the chapter. Details of the law are confined to the context and scope of this book. (2) US health care can no longer remain isolated from globalization. An integrative process in certain domains has been underway for some time. Hence, it has become increasingly important to provide global perspectives, which the readers will encounter in several chapters.

As in the past, this edition has been updated throughout with the latest pertinent data, trends, and research findings available at the time the manuscript was prepared. Copious illustrations in the form of examples, facts, figures, tables, and exhibits continue to make the text come alive. Following is a list of the main additions and revisions:

- Chapter 1:
 - A basic overview of health care reform and the Affordable Care Act (ACA)
 - · Critical global health issues
- Chapter 2:
 - Health insurance under the ACA
 - Measurement of *Healthy People* 2020 goals
 - · Global health indicators
- Chapter 3:
 - E-health and its current applications for consumers
 - New expanded section: Era of Health Care Reform

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• Chapter 4:

- The ACA and physician supply
- Updated information on non-physician providers

• Chapter 5:

- Clinical decision support systems (CDSS) and their benefits
- Introduction to health information organizations (HIOs)
- Introduction to nanomedicine
- Revisions to HIPAA in conjunction with the HITECH law
- Update on remote monitoring technology
- New section on biologics and their regulation by the FDA
- The ACA as it applies to medical devices and biologics

• Chapter 6:

- Adjusted community rating for insurance underwriting under the ACA
- New exhibit to spotlight differences between the two main types of highdeductible/savings plans
- New section, "Private Health Insurance Under the ACA," covering details of the many changes that private insurance plans and employers must comply with
- Changes in Medicare, including changes in reimbursement, required by the ACA
- Recent trends affecting the HI and SMI trust funds
- Ambiguity over Medicaid that creates two different programs and ironies created by the ACA
- Refined DRGs (MS-DRGs) for reimbursement of acute-care inpatient hospital services, and ACA stipulations for hospital reimbursement
- Updated current directions and issues in financing

• Chapter 7:

- Primary Care Assessment Tool
- · Medical home measurement
- Primary care providers in other countries
- Current developments in home health care
- Current developments in community health centers
- Current developments in alternative medicine
- Global trends in health care providers

• Chapter 8:

- New section on hospital utilization and factors that affect hospital employment
- New section on hospital costs

• Chapter 9:

- New section on pharmaceutical management as a cost-control mechanism in managed care
- Introduction to triple-option plans
- New section on managed care and health insurance exchanges under the ACA
- Expanded section on accountable care organizations
- New section on payer–provider integration

• Chapter 10:

- Limited federal financial incentives to states for additional home- and community-based long-term care services under the ACA
- New model of continuing care at home

• Chapter 11:

- The uninsured under the ACA
- Updated information on the homeless
- Updated information on mental health
- Updated information on the chronically ill
- New section on the migrant populations

- Chapter 12:
 - Current issues in health care cost, access, and quality
 - CMS program related to quality
 - AHRQ quality report card/indicators
 - NCQA and quality measures
- Chapter 13:
 - · Current critical policy issues
 - Future health policy issues/challenges in both the US and abroad
- Chapter 14:
 - Expansion of the framework: Forces of Future Change
 - Revised section on the future of health care reform
 - Perspectives on universal coverage and access vs. single-payer system

As in the previous editions, our aim is to continue to meet the needs of both graduate and undergraduate students. We have attempted to make each chapter complete without making it overwhelming for beginners. Instructors, of course, will choose the sections they decide are most appropriate for their courses.

As in the past, we invite comments from our readers. Communications can be directed to either or both authors:

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We appreciate the work of Xiaoyu Nie in providing assistance in the preparation of selected chapters of this book.

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List of Abbreviations/Acronyms

| A | ALOS—average length of stay |
|---------------------------------------|---|
| AALL—American Association of Labor | AMA—American Medical Association |
| Legislation | AMDA—American Medical Directors |
| AAMC—Association of American | Association |
| Medical Colleges | amfAR—Foundation for AIDS Research |
| AA/PIs—Asian American and Pacific | ANA—American Nurses Association |
| Islanders | APCs—ambulatory payment classifications |
| AAs—Asian Americans | APN—advanced practice nurse |
| ACA—Affordable Care Act | ARRA—American Recovery and |
| ACNM—American College of Nurse- | Reinvestment Act |
| Midwives | ASPR—Assistant Secretary for Preparedness |
| ACO—accountable care organization | В |
| ACPE—American Council on | |
| Pharmaceutical Education | BBA—Balanced Budget Act of 1997 |
| ACS—American College of Surgeons | BPCI—bundled payments for care |
| ADA—American Dental Association | improvement |
| ADA—Americans with Disabilities Act | BPHC—Bureau of Primary Health Care |
| ADC—adult day care | BSN—baccalaureate degree nurse |
| ADLs—activities of daily living | BWC—Biological Weapons Convention |
| ADN—associate's degree nurse | C |
| AFC—adult foster care | |
| AFDC—Aid to Families with Dependent | CAH—critical access hospital |
| Children | CAM—complementary and alternative |
| AHA—American Hospital Association | medicine |
| AHRQ—Agency for Healthcare Research | CAT—computerized axial tomography |
| and Quality | CBO—Congressional Budget Office |
| AIANs—American Indians and Alaska | CCAH—continuing care at home |
| Natives | CCIP—Chronic Care Improvement |
| AIDS—acquired immune deficiency | Program CCRC continuing core retirement |
| syndrome ALF—assisted living facility | CCRC—continuing care retirement community |
| ALT—assisted fiving facility | Community |

XXIII

xxiv List of Abbreviations/Acronyms

CDC—Centers for Disease Control and Prevention CDSS—clinical decision support systems CEO—chief executive officer CEPH—Council on Education for Public Health CF—conversion factor CHAMPVA—Civilian Health and Medical Program of the Department of Veterans Affairs CHC—community health center CHIP—Children's Health Insurance Program CIA—Central Intelligence Agency CMGs—case-mix groups C/MHCs—Community and Migrant Health Centers CMS—Centers for Medicare & Medicaid Services CNA—certified nursing assistant CNM—certified nurse-midwife CNSs—clinical nurse specialists COBRA—Consolidated Omnibus Budget Reconciliation Act of 1985 COGME—Council on Graduate Medical Education CON—certificate-of-need COPC—community-oriented primary care COPD—chronic obstructive pulmonary disease COTA—certified occupational therapy assistant COTH—Council of Teaching Hospitals and Health Systems CPI—consumer price index CPOE—computerized physician order CPT—current procedural terminology CQI—continuous quality improvement CRNA—certified registered nurse anesthetist CT—computed tomography CVA—cardiovascular accident

D DC—doctor of chiropractic DD—developmentally disabled DDS—Doctor of Dental Surgery DHHS—Department of Health and Human Services DHS—Department of Homeland Security DMD—doctor of dental medicine DME—durable medical equipment DoD—Department of Defense DO—doctor of osteopathy DPM—doctor of podiatric medicine DRA—Deficit Reduction Act of 2005 DRGs—diagnostic-related groups DSM-IV—Diagnostic and Statistical Manual of Mental Disorders DTP—diphtheria-tetanus-pertussis E

Ł

EBM—evidence-based medicine EBRI—Employee Benefit Research Institute ECG—electrocardiogram ECU—extended care unit ED—emergency department EHRs—electronic health records EMT—emergency medical technician EMTALA—Emergency Medical Treatment and Labor Act ENP—elderly nutrition program EPA—Environmental Protection Agency EPO—exclusive provider organization ERISA—Employee Retirement Income Security Act ESRD—end-stage renal disease

F
FBI—Federal Bureau of Investigation
FD&C—Federal Food, Drug, and
Cosmetic Act
FDA—Food and Drug Administration
FMAP—Federal Medical Assistance
Percentage

FPL—federal poverty level
FQHC—Federally Qualified Health Center
FTE—full-time equivalent
FY—fiscal year

G

GAO—General Accounting Office
GATS—General Agreement on Trade in
Services
GDP—gross domestic product

GP—general practitioner

Н

HAART—highly active antiretroviral therapy

HCBS—home- and community-based services

HCBW—home- and community-based waiver

HCH—Health Care for the Homeless

HDHP—high-deductible health plan

HEDIS—Health Plan Employer Data and Information Set

HHRG—home health resource group

HI—hospital insurance

HIAA—Health Insurance Association of America

Hib—Haemophilus influenzae B

HIO—health information organization

HIPAA—Health Insurance Portability and Accountability Act

HIT—health information technology

HITECH— Health Information

Technology for Economic and Clinical Health Act

HIV—human immunodeficiency virus

HMO—health maintenance organization

HMO Act—Health Maintenance Organization Act

HPSAs—health professional shortage

HPV—human papillomavirus

HRQL—health-related quality of life

HRSA—Health Resources and Services
Administration

HSA—health savings account

HSAs—health system agencies

HTA—health technology assessment

HUD—Department of Housing and Urban Development

I

IADL—instrumental activities of daily living

ICD-9—International Classification of Diseases, version 9

ICF—intermediate care facility

ICF/IID—intermediate care facilities for individuals with intellectual disabilities

ICF/MR—intermediate care facilities for mentally retarded

ID—intellectual disability

IDD—intellectually/developmentally disabled

IDEA—Individuals with Disabilities Education Act

IDS—integrated delivery systems

IDU—injection drug use

IHR—International Health Regulations

IHS—Indian Health Service

IMGs—international medical graduates

INS—Immigration and Naturalization Service

IOM—Institute of Medicine

IPA—independent practice association

IPAB—Independent Payment Advisory Board

IRB—Institutional Review Board

IRF—inpatient rehabilitation facility

IRMAA—income related monthly adjustment amount

IRS—Internal Revenue Service

IS—information systems

IT—information technology

IV—intravenous

xxvi List of Abbreviations/Acronyms

| L | WIOAS—medically underserved areas |
|---------------------------------------|--|
| LPN—licensed practical nurse | N |
| LTC—long-term care | |
| LTCH—long-term care hospital | NAB—National Association of Boards |
| LVN—licensed vocational nurse | of Examiners of Long-Term Care Administrators |
| M | NADSA—National Adult Day Services |
| MA—Medicare Advantage | Association Association |
| MA-PD—Medicare Advantage | NAPBC—National Action Plan on Breast |
| Prescription Drug Plan | Cancer |
| MA-SNP—Medicare Advantage Special | NCCAM—National Center for |
| Needs Program | Complementary and Alternative |
| MBA—master of business administration | Medicine |
| MCOs—managed care organizations | NCHS—National Center for Health |
| MD—doctor of medicine | Statistics |
| MDS—minimum data set | NCQA—National Committee for Quality |
| MedPAC—Medicare Payment Advisory | Assurance |
| Commission | NF—nursing facility |
| MEPS—Medical Expenditure Panel | NGC—National Guideline Clearinghouse |
| Survey | NHC—neighborhood health center |
| MFS—Medicare Fee Schedule | NHE—national health expenditures |
| MHA—master of health administration | NHI—national health insurance |
| MHS—multihospital system | NHS—British National Health Service |
| MHSA—master of health services | NHSC—National Health Service Corps |
| administration | NIAAA—National Institute of Alcohol |
| MLP—midlevel provider | Abuse and Alcoholism |
| MLR—medical loss ratio | NICE—National Institute for Health and |
| MMA—Medicare Prescription Drug, | Clinical Excellence |
| Improvement, and Modernization Act | NIDA—National Institute on Drug Abuse |
| MMR—measles-mumps-rubella vaccine | NIH—National Institutes of Health |
| MPA—master of public administration/ | NIMH—National Institute of Mental |
| affairs | Health |
| MPFS—Medicare Physician Fee Schedule | NP—nurse practitioner |
| MPH—master of public health | NPC—nonphysician clinician |
| MR/DD—mentally retarded, | NPP—nonphysician practitioner |
| developmentally disabled | NRA—Nurse Reinvestment Act of 2002 |
| MRHFP—Medicare Rural Hospital | NRP— National Response Plan |
| Flexibility Program | 0 |
| MRI—magnetic resonance imaging | |
| MSA—metropolitan statistical area | OAM—Office of Alternative Medicine |
| MS-DRGs—Medicare severity diagnosis- | OBRA—Omnibus Budget Reconciliation |
| related groups | Act OD doctor of ontomotry |
| MSO—management services organization | OD—doctor of optometry |

SMI—supplementary medical insurance

PPOs—preferred provider organizations OI—opportunistic infections PPS—prospective payment system OMB—Office of Management and Budget **OPPS**—Outpatient Prospective Payment PROs—peer review organizations PSO—provider-sponsored organization System OSHA—Occupational Safety and Health PSROs—professional standards review Administration organizations OT—occupational therapist PsyD—doctor of psychology OWH—Office on Women's Health PTA—physical therapy assistant PTCA—percutaneous transluminal P coronary angioplasty PTs—physical therapists P4P—pay-for-performance PA—physician assistant Q PACE—Program of All-Inclusive Care for the Elderly QALY—quality-adjusted life year PAHP—Pandemic and All-Hazards QI—quality indicator Preparedness Act QIOs—quality improvement organizations PASRR—Preadmission Screening and R Resident Review PBMs—pharmacy benefits management R&D—research and development companies RAI—resident assessment instrument PCCM—primary care case management RBRVS—resource-based relative value PCGs—primary care groups scales PCIP—Pre-Existing Condition Insurance RHIO—Regional Health Information Plan Organization PCM—primary care manager RICs—rehabilitation impairment PCP—primary care physician categories PDAs—personal digital assistants RN—registered nurse PDP—stand-alone prescription drug plan RUG-III—Resource Utilization Groups, PERS—personal emergency response version 3 systems RUGs—resource utilization groups PET—positron emission tomography RVUs—relative value units PFFS—private fee-for-service RWJF—Robert Wood Johnson Foundation PharmD—doctor of pharmacy S PhD—doctor of philosophy PHI—personal health information SAMHSA—Substance Abuse and Mental Health Services Administration PHO—physician—hospital organization PhRMA—Pharmaceutical Research and SARS—severe acute respiratory syndrome Manufacturers of America SAV—small area variations PHS—public health service SES—socioeconomic status PMPM—payment per member per month SHI—socialized health insurance POS—point-of-service plan SHOP—small business health options PPD—per-patient day rate program

PPM—physician practice management

xxviii List of Abbreviations/Acronyms

SNF—skilled nursing facility
SPECT—single-photon emission
computed tomography
SSI—Supplemental Security Income
STDs—sexually transmitted diseases

T

TAH—total artificial heart
TANF—Temporary Assistance for Needy
Families
TCU—transitional care unit
TEFRA—Tax Equity and Fiscal
Responsibility Act
TFL—TriCare for Life
TPA—third-party administrator
TQM—total quality management

U

UCR—usual, customary, andreasonable UR—utilization review

\mathbf{V}

VA—Department of Veterans Affairs VBP—value-based purchasing VHA—Veterans Health Administration VISN—Veterans Integrated Service Network VNA—Visiting Nurses Association

\mathbf{W}

WHO—World Health Organization WIC—Special Supplemental Nutrition Program for Women, Infants, and Children

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