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C31B2K - ANNABEL HAYNES

Today, in the era of the statins (cholesterol lowering drugs), there is no longer any doubt about the value of lowering blood cholesterol levels. The Cholesterol Wars chronicles the controversy that swirled around the 'lipid hypothesis' of atherosclerosis for so many years. In fact, 'the lower the better' is the position of many clinicians. However, getting to this point has been a long uphill battle marked by heated debate and sometimes violent disagreement. The history of this controversy is told here for its own sake and because remembering it may help us avoid similar

mistakes in the future. Dr. Steinberg and his colleagues have published over 400 papers relating to lipid and lipoprotein metabolism and atherosclerosis reflecting the prominence these authors have in the community. Chronicles the miraculous power of the statins to prevent heart attacks and save lives, of great interest to the many manufacturers of these drugs. Discusses new targets for intervention based on a better understanding of the molecular basis of atherosclerosis.

Benjamin Franklin conceived it. Sir Arthur Conan Doyle endorsed it. Winston Churchill campaigned for it. Kaiser Wilhelm

first employed it. Woodrow Wilson and Franklin Roosevelt went to war with it. Every spring the clocks go forward, and every autumn they go back. Saving the Daylight explores for the first time the contentious, and often entertaining, story of this deceptively simple attempt to regulate the sunlight hours. Throughout its surprisingly controversial history, Daylight Saving Time has been claimed to have influenced a wide variety of areas, including agricultural practices, the reporting of sports scores, street crime, voter turnout and many other, sometimes unexpected aspects of daily life. The book brings together the his-

torical, political and technical aspects of the fascinating story behind the movement for DST, with many light and offbeat anecdotes.

In his highly regarded blog, *Life as a Healthcare CIO*, John Halamka records his experiences with health IT leadership, infrastructure, applications, policies, management, governance, and standardization of data. But he also muses on topics such as reducing our carbon footprint, sustainable farming, mountain climbing, being a husband, father and son

IOM's 1999 landmark study *To Err is Human* estimated that between 44,000 and 98,000 lives are lost every year due to medical errors. This call to action has led to a number of efforts to reduce errors and provide safe and effective health care. Information technology (IT) has been identified as a way to enhance the safety and effectiveness of care. In an effort to catalyze its implementation, the U.S. government has invested billions of dollars toward the development and meaningful use of effective health IT. Designed and properly applied, health IT can be a positive transformative force for delivering safe health care, particularly with computerized pre-

scribing and medication safety. However, if it is designed and applied inappropriately, health IT can add an additional layer of complexity to the already complex delivery of health care. Poorly designed IT can introduce risks that may lead to unsafe conditions, serious injury, or even death. Poor human-computer interactions could result in wrong dosing decisions and wrong diagnoses. Safe implementation of health IT is a complex, dynamic process that requires a shared responsibility between vendors and health care organizations. *Health IT and Patient Safety* makes recommendations for developing a framework for patient safety and health IT. This book focuses on finding ways to mitigate the risks of health IT-assisted care and identifies areas of concern so that the nation is in a better position to realize the potential benefits of health IT. *Health IT and Patient Safety* is both comprehensive and specific in terms of recommended options and opportunities for public and private interventions that may improve the safety of care that incorporates the use of health IT. This book will be of interest to the health IT industry, the federal government, health-care providers and other users of health

IT, and patient advocacy groups.

Medical residents in hospitals are often required to be on duty for long hours. In 2003 the organization overseeing graduate medical education adopted common program requirements to restrict resident workweeks, including limits to an average of 80 hours over 4 weeks and the longest consecutive period of work to 30 hours in order to protect patients and residents from unsafe conditions resulting from excessive fatigue. *Resident Duty Hours* provides a timely examination of how those requirements were implemented and their impact on safety, education, and the training institutions. An in-depth review of the evidence on sleep and human performance indicated a need to increase opportunities for sleep during residency training to prevent acute and chronic sleep deprivation and minimize the risk of fatigue-related errors. In addition to recommending opportunities for on-duty sleep during long duty periods and breaks for sleep of appropriate lengths between work periods, the committee also recommends enhancements of supervision, appropriate workload, and changes in the work environ-

ment to improve conditions for safety and learning. All residents, medical educators, those involved with academic training institutions, specialty societies, professional groups, and consumer/patient safety organizations will find this book useful to advocate for an improved culture of safety.

Health Informatics (HI) focuses on the application of Information Technology (IT) to the field of medicine to improve individual and population healthcare delivery, education and research. This extensively updated fifth edition reflects the current knowledge in Health Informatics and provides learning objectives, key points, case studies and references.

Determinants of health - like physical activity levels and living conditions - have traditionally been the concern of public health and have not been linked closely to clinical practice. However, if standardized social and behavioral data can be incorporated into patient electronic health records (EHRs), those data can provide crucial information about factors that influence health and the effectiveness of treatment. Such information is useful for diagnosis, treatment choices, policy, health care system design, and innovations to improve

health outcomes and reduce health care costs. Capturing Social and Behavioral Domains and Measures in Electronic Health Records: Phase 2 identifies domains and measures that capture the social determinants of health to inform the development of recommendations for the meaningful use of EHRs. This report is the second part of a two-part study. The Phase 1 report identified 17 domains for inclusion in EHRs. This report pinpoints 12 measures related to 11 of the initial domains and considers the implications of incorporating them into all EHRs. This book includes three chapters from the Phase 1 report in addition to the new Phase 2 material. Standardized use of EHRs that include social and behavioral domains could provide better patient care, improve population health, and enable more informative research. The recommendations of Capturing Social and Behavioral Domains and Measures in Electronic Health Records: Phase 2 will provide valuable information on which to base problem identification, clinical diagnoses, patient treatment, outcomes assessment, and population health measurement.

In recent years, there has been a growing

awareness of the multiple interrelationships between depression and various physical diseases. The WPA is providing an update of currently available evidence on these interrelationships by the publication of three books, dealing with the comorbidity of depression with diabetes, heart disease and cancer. Depression is a frequent and serious comorbid condition in diabetes, which adversely affects quality of life and the long-term prognosis. Co-occurrent depression presents peculiar clinical challenges, making both conditions harder to manage. Depression and Diabetes is the first book devoted to the interaction between these common disorders. World leaders in diabetes, depression and public health synthesize current evidence, including some previously unpublished data, in a concise, easy-to-read format. They provide an overview of the epidemiology, pathogenesis, medical costs, management, and public health and cultural implications of the comorbidity between depression and diabetes. The book describes how the negative consequences of depression in diabetes could be avoided, given that effective depression treatments for diabetic patients are available. Its practical approach

makes the book ideal for all those involved in the management of these patients: psychiatrists, psychologists, diabetologists, general practitioners, diabetes specialist nurses and mental health nurses.

For nearly twenty years, Laurin Bellg, MD has been present at the bedside of critically ill and dying patients. As she has worked to create an accepting and supportive relationship with them, her patients have shared with her the mysterious experience they sometimes have of apparently seeing beyond our physical world. Dr. Bellg tells her patients' engaging, powerful and sometimes humorous stories in her book, *Near Death in the ICU: Stories from Patients Near Death and Why We Should Listen to Them*, published in 2016 by Sloan Press. She also invites us to consider that bearing witness to a patient's near-death experience is a respectful and important part of medical care, a way for families to support their loved ones, and an important part of the patient's healing. A board-certified critical care physician, Dr. Bellg is the Chair of Medicine and ICU Medical Director for two busy intensive care units in NE Wisconsin. Dr. Bellg has also

contributed to other publications about near-death studies and is an invited speaker throughout the United States on the topic.

Venous thrombosis occurs in all healthcare settings and all specialties in nursing and medicine. It causes more deaths every year than MRSA or road accidents and is not just a topic for experts and specialists. In spite of this, there is a lack of easily accessible information for non-experts on venous thromboembolism (VTE), and consequently the condition is often treated poorly and preventive measures are often used inconsistently. *Prevention and Management of Venous Thromboembolism* takes the first step towards rectifying this dearth of information. It brings together a unique group of vascular surgeons, haematologists and other experts who help shape the management of VTE and is aimed at both the multi-disciplinary teams involved in the day-to-day care of patients with VTE, and allied health professionals and healthcare commissioners. The book's approach is broad and comprehensive and there are separate sections dealing with prevention, diagnosis and treatment. This is an expert-level book accessible to non-

experts. Contents: Epidemiology of Venous Thrombosis Risk Assessment for Venous Thromboembolism Primary Prophylaxis of Venous Thromboembolism for Hospital Inpatients Diagnosing Deep Vein Thrombosis Anticoagulants: The Old and the New Endovascular and Surgical Management of Deep Vein Thrombosis Inferior Vena Cava Filters Haematological Disorders Predisposing to Thrombosis Venous Thromboembolism and Malignancy Diagnosis of Pulmonary Embolism The Management of Pulmonary Embolism The Diagnosis and Management of Post-Thrombotic Syndrome Management of Upper Limb Deep Vein Thrombosis Venous Thromboembolism in Primary Care Venous Thromboembolism in Children Setting Up and Running VTE Exemplar Centres Readership: Vascular surgeons, haematologists, cardiologists and graduate students in these fields. Key Features: Unique group authors bringing together vascular surgeons and haematologists Update on the very current issue of venous thromboembolism Prominent authors who help shape the management of venous thrombosis Keywords: Venous; Thrombosis; Embolism; Prevention; Management; Anticoagulants

Kaiser Permanente has implemented the largest nongovernmental electronic health record in the world, serving more than 8.6 million Kaiser Permanente members. Called KP HealthConnect, its impact on patient care outcomes, efficiency, safety, and patient engagement and satisfaction already is of intense interest throughout the health care industry. In this volume, Louise L. Liang, MD, who led the massive KP HealthConnect implementation, collects lessons learned from the organization's successful deployment strategy and highlights ways in which the new technological tools are changing and improving - the health care provided to patients and the operations and culture of the organization. Advance praise for *Connected for Health* "Health care transformation requires leadership and innovation. *Connected for Health* clearly shows there is no shortage of either at Kaiser Permanente. This is a must read for policy makers and practitioners as the lessons are of critical value if we are to achieve quality, affordable care for Americans." —H. Stephen Lieber, president and CEO, Healthcare Information and Management Systems Society "Connected for Health shares what Kaiser Permanente

has learned so far in tapping the vast potential of electronic health records to improve care and expand the frontiers of medical research. It is a journey that should be of great interest to policy leaders in the United States and around the world." —Karen Davis, president, The Commonwealth Fund "This book is destined to become an important part of the critical dialogue on what reforming our health care system really means." —James J. Mongan, MD, Professor of Health Care Policy and Social Medicine, Harvard Medical School "Connected for Health shows how KP HealthConnect is facilitating great team-based care, getting quality right every time, getting patients activated, and freeing caregivers to connect as true healers with their patients." —Margaret E. O'Kane, president, National Committee for Quality Assurance "Effective implementation and use of health information technology is critical to improving the quality, safety, and affordability of health care. This book provides a great opportunity for others to learn from Kaiser Permanente's pioneering efforts." —Janet M. Corrigan, president and CEO, National Quality Forum Previously published as *Strategic Informa-*

tion Management in Hospitals; An Introduction to Hospital Information Systems, Health Information Systems Architectures and Strategies is a definitive volume written by four authoritative voices in medical informatics. Illustrating the importance of hospital information management in delivering high quality health care at the lowest possible cost, this book provides the essential resources needed by the medical informatics specialist to understand and successfully manage the complex nature of hospital information systems. Author of the first edition's Foreword, Reed M. Gardner, PhD, Professor and Chair, Department of Medical Informatics, University of Utah and LDS Hospital, Salt Lake City, Utah, applauded the text's focus on the underlying administrative systems that are in place in hospitals throughout the world. He wrote, "These challenging systems that acquire, process and manage the patient's clinical information. Hospital information systems provide a major part of the information needed by those paying for health care." their components; health information systems; architectures of hospital information systems; and organizational structures for information management.

READY, Set, Change! Simplify and Accelerate Organizational Change, is an essential guide for Human Resource, Project Management and Change Professionals. This guide provides a framework for a simpler and faster approach to help individuals and organizations adopt new programs, technological platforms and systems easily and effectively. Through an engaging narrative story - somewhat in the style of Patrick Lencioni, we meet Elizabeth, an HR Manager who is asked to implement a technology change for the physicians and staff at the Healthcare system where she works. Jake, her best friend and project manager of the Electronic Medical Record system and Allie, an Organizational Change Management consultant. Exploring their experience of challenges and opportunities encountered while implementing change with the READY model, allows the reader to identify with the story and apply the model and approach. This book balances the technical details often associated with Organizational Change Management with an engaging narrative which illustrates the use of the techniques and tools to lead change.

Deep Brain Stimulation addresses the prac-

tical tips required to program and manage deep brain stimulation devices in the clinic. The number of deep brain stimulation devices worldwide will soon eclipse 200,000 and is an approved surgical treatment for medically refractory neurological movement disorders such as Parkinson disease, tremors, and dystonia. It is, therefore, inevitable that clinicians and nurses will require the necessary tools, and exemplary real-life cases, to manage these complex patients. This book offers a case-based approach to common and uncommon neurologic problems related to deep brain stimulator problems. Each case is a clinical pearl, accompanied by a discussion as well as practical tips to improve patient management.

A comprehensive review the state-of-the-art in atherosclerosis of the arteries of the legs and feet. The authors discuss in detail the primary symptom-claudication-an intermittent pain in the leg or foot while walking, its predisposing factors, the current diagnostic methodologies, the impressive advances in the therapeutic armamentarium, and the need to screen for co-existing coronary artery disease. Additional chapters describe cutting-edge noninvasive angiogra-

phy and vascular flow studies, specific drug therapy for claudication, regression of atherosclerosis therapy, gene therapy, and drug eluting stents for peripheral arterial disease. The authors also examine the epidemiology of LEAD, the effects of smoking and effective smoking cessation programs, its pathogenesis and its association with lipid abnormalities and hypertension, aggressive risk factor modification, and the need to measure the ankle brachial index of every patient over 45.

Americans should be able to count on receiving health care that is safe. To achieve this, a new health care delivery system is needed - a system that both prevents errors from occurring, and learns from them when they do occur. The development of such a system requires a commitment by all stakeholders to a culture of safety and to the development of improved information systems for the delivery of health care. This national health information infrastructure is needed to provide immediate access to complete patient information and decision-support tools for clinicians and their patients. In addition, this infrastructure must capture patient safety information as a by-product of care and use

this information to design even safer delivery systems. Health data standards are both a critical and time-sensitive building block of the national health information infrastructure. Building on the Institute of Medicine reports *To Err Is Human* and *Crossing the Quality Chasm*, Patient Safety puts forward a road map for the development and adoption of key health care data standards to support both information exchange and the reporting and analysis of patient safety data.

The overall goal of this book is to give the reader a state-of-the-art synopsis of the pharmacist services domain. To accomplish this goal, the authors have addressed the social, psychosocial, political, legal, historic, clinical, and economic factors that are associated with pharmacist services. In this book, you will gain cutting-edge insights from learning about the research of experts throughout the world. The findings have relevance for enhancing pharmacist professionalism, pharmacist practice, and the progression of pharmacist services in the future.

Provides the technical details and results of one component of a study to better un-

derstand the role and importance of Electronic Medical Record Systems (EMR-S) in improving health and reducing healthcare costs--the national-level efficiency savings that would be brought about by using Healthcare Information Technology--and the costs the nation would have to incur to realize those savings.

The first textbook on the subject, this is a practical, clinically comprehensive guide to ethical issues in surgical practice, research, and education written by some of the most prominent figures in the fields of surgery and bioethics. Discussions of informed consent, confidentiality, and advance directives--core concepts integral to every surgeon-patient relationship--open the volume. Seven chapters tackle the ethical issues in surgical practice, covering the full range of surgical patients--from emergency, acute, high-risk, and elective patients, to poor surgical risk and dying patients. The book even considers the special relationship between the surgeon and patients who are family members or friends. Chapters on surgical research and education address innovation, self-regulation in practice and research, and the prevention of unwarranted bias. Two chapters

focus on the multidisciplinary nature of surgery, including the relationships between surgery and other medical specialties and the obligations of the surgeon to other members of the surgical team. The economic dimensions of surgery, especially within managed care, are addressed in chapters on the surgeons financial relationships with patients, conflicts of interest, and relationships with payers and institutions. The authors do not engage in abstract discussions of ethical theory; instead, their discussions are always directly relevant to the everyday concerns of practicing surgeons. This well-integrated volume is intended for practicing surgeons, medical educators, surgical residents, bioethicists, and medical students.

Get the most comprehensive, in-depth coverage on health unit coordinating from the industry's most popular text! Expert authors Elaine Gillingham and Monica Wadsworth Seibel offer in-depth discussion of key theories and concepts surrounding the profession and guide you through the common responsibilities of a health unit coordinator in both traditional and electronic medical record environments. From greeting new patients and dealing with visitors

to transcribing physicians' orders, maintaining statistical reports, and preparing patient charts, this text will prepare you for success across all areas of health unit coordination. Certification Review Guide with mock certification exam is included on the Evolve site with every purchase of the book. Step-by-step instructions on how to perform important procedures include in-depth explanations of key tasks and possible modifications that would meet special requirements. High Priority boxes throughout the text offer useful information such as lists of addresses, organizations, laboratory studies, hospital specialties, health unit coordinator career ladders, helpful hints, and more, related to chapter discussions. Example boxes in the Communication chapters present real-life scenarios that outline the responsibilities of the health unit coordinator in each situation and offer tips on how you can conduct yourself in a professional and helpful manner. Bad handwriting examples give you experience deciphering hard-to-read handwriting that you will encounter in practice. Student-friendly features such as outlines, chapter objectives, vocabulary, and abbreviations are included at the beginning

of each chapter to set the stage for the important information to be covered later in the chapter. References within the text to the companion skills practice manual and online tools direct you to hands-on exercises that stress the practical applications of skills and procedures in a simulated health care environment. NEW! Expanded coverage of the EMR/CPOE explains how the implementation of the electronic medical record/CPOE is changing the role of the Health Unit Coordinator. UPDATED! Coverage of medications, diagnostic procedures, therapies, surgical procedures, and new health care trends keep you up to date on how to perform your role effectively in today's medical environment. NEW! Hot topics in health unit coordinating keep you abreast of issues currently affecting the health unit coordinator such as, the electronic health record/CPOE, physician order entries, preceptorships, and interviewing/background checks, are addressed. NEW! Additional student activities are included in each chapter to help reinforce material, expand your critical thinking and application skills, and prepare you for exams. NEW! Flashcards on Evolve help you review important terminology

and abbreviations that you will use on the job.

The third edition of this book was very well received by researchers working in many different fields of research. The use of that text also gave these researchers the opportunity to raise questions, and express additional needs for materials on techniques poorly covered in the literature. For example, when designing an inter-rater reliability study, many researchers wanted to know how to determine the optimal number of raters and the optimal number of subjects that should participate in the experiment. Also, very little space in the literature has been devoted to the notion of intra-rater reliability, particularly for quantitative measurements. The fourth edition of this text addresses those needs, in addition to further refining the presentation of the material already covered in the third edition. Features of the Fourth Edition include: New material on sample size calculations for chance-corrected agreement coefficients, as well as for intraclass correlation coefficients. The researcher will be able to determine the optimal number raters, subjects, and trials per subject. The

chapter entitled “Benchmarking Inter-Rater Reliability Coefficients” has been entirely rewritten. The introductory chapter has been substantially expanded to explore possible definitions of the notion of inter-rater reliability. All chapters have been revised to a large extent to improve their readability.

This book is a comprehensive guide to the assessment and management of adults with thyroid disorders in daily clinical practice. All important aspects and disorders are considered. Relevant information on basic anatomy, embryology, immunology, and physiology is included to provide a better basis for understanding the development of disease and its diagnosis and treatment. Currently available biochemical tests and other specific diagnostic tools are also considered in detail. The various common thyroid disorders are then discussed in a series of individual chapters that focus on etiology, pathophysiology, symptomatology, diagnosis, and treatment. Numerous high-quality illustrations and concise fact boxes are included. The authors are all experts with wide experience in three disciplines and a long-standing interest in thyroid disease.

The American Medical Association asked RAND Health to characterize the factors that affect physician professional satisfaction. RAND researchers sought to identify high-priority determinants of professional satisfaction by gathering data from 30 physician practices in six states, using a combination of surveys and semistructured interviews. This report presents the results of the subsequent analysis.

In the emergency and trauma setting, accurate and consistent interpretation of imaging studies are critical to the care of acutely ill and injured patients. This book offers a comprehensive review of acute pathologies commonly encountered in the emergency room as diagnosed by radiologic imaging. It is organized by anatomical sections that present the primary ER imaging areas of the acute abdomen, pelvis, thorax, neck, head, brain and spine, and osseous structures. For each section, the common diagnoses are concisely described and are accompanied by relevant clinical facts and key teaching points that emphasize the importance of radiologic interpretation in clinical patient management. The role of modalities such as plain radiography, computed tomography, ultra-

sound, magnetic resonance imaging, and nuclear medicine imaging in managing emergency conditions is highlighted. The Second Edition is thoroughly updated and includes over 400 images and multiple choice questions in each chapter. Emphasizing the core concepts in emergency radiology, this book is a valuable resource for radiologists, residents, and fellows.

Contemporary spinal surgeons, whether orthopedic or neurosurgeons, are increasingly recognizing minimally invasive spine surgery (MISS) as a desirable option to manage advanced degenerative diseases. MISS techniques minimize blood loss, surgical site pain, and speed recovery. Thus, the marriage of MISS with adult spinal deformity was a natural one. Currently, the techniques, technologies, and education of surgeons have finally reached a point where MISS deformity surgeries are becoming commonplace. Nevertheless, the field is young enough that no comprehensive texts have addressed the unique challenges faced by surgeons exploring this evolving field. This book will fill the gap.

This revised, updated second edition draws together the basic science, patholo-

gy, epidemiology and treatment possibilities in progressive multiple sclerosis. Each chapter addresses specific aspects of progressive multiple sclerosis providing an extensive review of the current literature and a discussion of the likely mechanisms of tissue injury relevant to the disease. New additions to the second edition include a description of clinical scales used to determine levels of disability; recent trials specifically directed at reducing disease progression; rehabilitation; and an in depth discussion of the similarities and differences between primary and secondary multiple sclerosis. The biological processes underlying disease progression are elucidated as are specific pathophysiological mechanisms. The basic science of axonal degeneration and the clinical understanding of progressive multiple sclerosis are discussed in the context of emerging and future therapies for disease progression as are trials which have been and will be conducted for progressive multiple sclerosis. An overview of biomarkers for the disease is included and existing symptomatic therapies for progressive multiple sclerosis are covered in detail. Progressive Multiple Sclerosis, Second Edition is ideal for both gen-

eral neurologists and those with a specialist interest in multiple sclerosis. It will also be of interest to neurologists in training and other medical professionals treating this common disease.

As technology, legislation, and industry practices continue to evolve rapidly, the health information management profession has become increasingly dynamic, complex, and essential. TODAY'S HEALTH INFORMATION MANAGEMENT, Second Edition, helps you prepare for success in this high-demand field by mastering both the fundamental principles and cutting-edge practices that define modern HIM. The Second Edition includes revised and updated content reflecting the latest trends, technology, and industry best practices, including new material on HIPAA, e-HIM, information systems, data quality, informatics, and current CAHIIM standards and RHIT/RHIA certification exam requirements. This trusted text includes everything you need to succeed in one of today's fastest-growing and most rewarding professions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This text provides a comprehensive, state-of-the-art review of this new and emerging field, as the number of men who suffer from post-prostatectomy incontinence increases by greater than 10,000 per year. How to evaluate and manage this devastating disorder has become a necessary part of nearly every urologic practice. This book serves a valuable resource for physicians with an interest in managing patients with post-prostatectomy incontinence. In addition, treatment includes algorithms and suggested office evaluation that will help guide conservative management that is appropriate for most patients. The text provides insight into the history of male incontinence surgery, as well as the current surgical techniques for the operative management of post-prostatectomy incontinence in those who fail conservative management. This text reviews current data regarding surgical outcomes for the most common and newly developed incontinence procedures, as well as step-by-step descriptions of the key surgical steps necessary for success. All chapters are written by world renowned experts in this field and include the most up to date clinical information.

This is a meticulously detailed chronological record of significant events in the history of medical informatics and their impact on direct patient care and clinical research, offering a representative sampling of published contributions to the field. The History of Medical Informatics in the United States has been restructured within this new edition, reflecting the transformation medical informatics has undergone in the years since 1990. The systems that were once exclusively institutionally driven – hospital, multihospital, and outpatient information systems – are today joined by systems that are driven by clinical subspecialties, nursing, pathology, clinical laboratory, pharmacy, imaging, and more. At the core is the person – not the clinician, not the institution – whose health all these systems are designed to serve. A group of world-renowned authors have joined forces with Dr Marion Ball to bring Dr Collen’s incredible work to press. These recognized leaders in medical informatics, many of whom are recipients of the Morris F. Collen Award in Medical Informatics and were friends of or mentored by Dr Collen, carefully reviewed, editing and updating his draft chapters. This has resulted in the

most thorough history of the subject imaginable, and also provides readers with a roadmap for the subject well into later in the century.

Covering every aspect of shoulder arthroplasty from initial assessment to comprehensive postoperative rehabilitation, *Shoulder Arthroplasty: Principles and Practice*, provides highly illustrated, authoritative guidance on the fastest growing arthroplasty procedure. Dr. Joseph Zuckerman, former president of the American Shoulder and Elbow Surgeons and the American Academy of Orthopaedic Surgeons, has assembled a team of world-renowned contributing authors who clearly explain and demonstrate—in print and in video—the techniques they utilize to achieve successful outcomes. This one-stop reference is an ideal resource for surgeons at all levels of experience who wish to further enhance their ability to perform shoulder replacement.

Collecting Sexual Orientation and Gender Identity Data in Electronic Health Records: Workshop Summary reviews the statement of task set to the committee which required them to collect sexual orientation and gender identity data in electronic

health records. This report summarizes the invited presentations and facilitated discussions about current practices around sexual orientation and gender identity data collection, the challenges in collecting these data, and ways in which these challenges can be overcome. Areas of focus for the workshop include the clinical rationale behind collecting these data, standardized questions that can be used to collect these data, mechanisms for supporting providers and patients in the collection of these data, technical specifications involved in creating standards for sexual orientation and gender identity data collection and exchange, and policy considerations related to the health information technology (HIT) Meaningful Use process being overseen by the Department of Health and Human Services. This report summarizes the workshop agenda, select invited speakers and discussants, and moderate the discussions. Invited participants will include lesbian, gay, bisexual, and transgender (LGBT) health care consumer advocates, providers with experience working with LGBT populations, HIT vendors and other HIT specialists, health care administrators, and policy makers.

This report identifies promising policy options to spur the creation of new medical technologies that will reduce total U.S. health care spending or will provide health benefits that justify any increase in spending.

This book presents a compilation of topics related to primary total knee arthroplasty. The chapters cover, in a clear and didactic way, the current themes, written by experts from the area, from different parts of the world. Topics related to the three surgical phases (before surgery, during surgery, and after surgery) are discussed here. This is very important because the surgeon is not a "factory worker." First of all, it is a medicine doctor who has to feel and understand the particularities of each patient. Demographic studies show an aging population. Osteoarthritis and inflammatory diseases are becoming much more prevalent. In addition, a worldwide epidemic of trauma has led to the need for arthroplasties much more frequently. Therefore, total knee arthroplasty will be an increas-

ingly important subject.

Leveraging Technology Metrics provides an authoritative, insiders perspective on standardizing the data collection process, maintaining accuracy of information, and translating technology metrics into actionable business results. Featuring CTOs and CIOs from some of the top companies in the nation, this book provides best practices for harnessing reliable data that will keep the entire company in line with corporate goals. Whether tracking scope creep on a project, evaluating expected returns, or designating total cost of ownership, these experts emphasize the importance of early involvement in business plans and only approving projects that can be assessed with hard-hitting metrics. The authors also reveal how, aside from increased organizational efficiency, leveraging the right metrics can build stronger relationships between departments, and position IT as an asset to the business rather than a cost center. Since there is no shortage of data for IT staff, additional topics address the challenge of selecting the most

relevant statistics and managing the growing role of technology in all facets of the business. The different niches represented and the breadth of perspectives presented enable readers to get inside some of the top technology minds of today, as these executives offer their strategies for glean- ing the most accurate and relevant information and communicating results in clear business terms.

This first reference to comprehensively address both the medical and surgical management of diseases affecting the colon, this source spans the wide array of colorectal disorders including rectal prolapse, irritable bowel syndrome, benign and malignant colonic tumors, fissures and ulcers, and Crohn's colitis, among other ailments. With chapters by
Confidentiality of patient records : hearing before the Subcommittee on Health of the Committee on Ways and Means, House of Representatives, One Hundred Sixth Congress, second session, February 17, 2000.