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Official Reports of the Supreme Court United States. Supreme Court 2009
Pain Management and the Opioid Epidemic National Academies of Sciences, Engineering, and Medicine 2017-10-28 Drug overdose, driven largely by overdose related to the use of opioids, is now the leading cause of unintentional injury death in the United States. The ongoing opioid crisis lies at the intersection of two public health challenges: reducing the burden of suffering from pain and containing the rising toll of the harms that can arise from the use of opioid medications. Chronic pain and opioid use disorder both represent complex human conditions affecting millions of Americans and causing untold disability and loss of function. In the context of the growing opioid problem, the U.S. Food and Drug Administration (FDA) launched an Opioids Action Plan in early 2016. As part of this plan, the FDA asked the National Academies of Sciences, Engineering, and Medicine to convene a committee to update the state of the science on pain research, care, and education and to identify actions the FDA and others can take to respond to the opioid epidemic, with a particular focus on informing FDA's development of a formal method for incorporating individual and societal considerations into its risk-benefit framework for opioid approval and monitoring.
Title 42 Public Health Parts 414 to 429 (Revised as of October 1, 2013) Office of The Federal Register, Enhanced by IntraWEB, LLC 2013-10-01 42 CFR Public Health
Sexology for the Wise Omar Zaid 2022-07-29 This essay collection applies wide-ranging optics to myths of LGBT normality. The author compares and contrasts biological, metaphysical, psychological, moral, and social dynamics that define and delimit normal heterosexual duality with elements of the gender confused. He does this in terms that illustrate spiritual and physical absolutes that are denied yet manipulated by postmodern nihilists who serve the occult governance that institutionalizes evil. The heterosexual dyad is rigorously defended as cardinal, essential, existential, naturally hegemonic, and not the least bit ambiguous. Zaid's comprehensive acumen is both frightening and captivating. His race through the Holocene irremediably shakes and changes the reader's world view via this careful amalgamation of Religion, Theology, Scripture, History, Science, Geo-Politics, Human Nature, Magick, Philosophy, and Occult Mystery Systems. Sexology For The Wise is an intense dot-connecting narrative that crosses all bounds of taboo to reveal much we do not wish to acknowledge.
Journal of the American Medical Association 2003
Cancer and the Search for Selective Biochemical Inhibitors, Second Edition E.J. Hoffman 2007-06-25 The world of medicine has become splintered into two factions, that of orthodoxy and its counterpart, alternative or complementary medicine. A problem with alternative medicine is, of course, that of anecdote and hearsay. The solution: the disclosure, in an unassailable fashion, of the underlying biochemical principles for alternative cancer therapies. Cancer and the Search for Selective Biochemical Inhibitors, Second Edition delineates the underlying biochemical principles for alternative cancer therapies. Completely revised and updated, this edition includes coverage of the link between concepts and practices of alternative and conventional medicine. The author examines anticancer plant substances and other alternatives such as Vitamin C, essiac tea, shark cartilage, and cat’s claw. The text also addresses the problem of determining selective and non-toxic enzyme inhibitors for cancer cell metabolic pathways. While an increased number of allopathic professionals are in tune with alternative therapies, the integration of the two factions is far from the norm. Keeping the same format that made its predecessor a benchmark text, this book compares complementary, alternative, and integrative treatments with chemotherapy and other more traditional treatments.
Federal Supplement 1987
Prescription Drugs United States. General Accounting Office 1994
Journal of the House of Representatives of the United States United States. Congress. House 2008 Some vols. include supplemental journals of "such proceedings of the sessions, as, during the time they were depending, were ordered to be kept secret, and respecting which the injunction of secrecy was afterwards taken off by the order of the House".
The Risks of Prescription Drugs Donald Light 2010 The Risks of Prescription Drugs tackles critical questions about the pharmaceutical industry and the privatization of risk. To what extent does the FDA protect the public from serious side effects and disasters? What is the effect of giving the private sector and markets a greater role and reducing public oversight? This volume considers whether current rules and incentives put patients' health at greater risk, the effect of the expansion of disease categories, the industry's justification of high U.S. prices, and the underlying shifts in the burden or risk borne by individuals in the world of pharmaceuticals. "Although many are aware that pharmaceutical industry lobbyists influence policy decisions, few know the full

consequences. This book is enlightening." Jill Quadagno, author of The Transformation of Old Age Security "Clear, concise, and unflinching, this book provides consumers with tools for self-defense and concerned citizens with a road map for rebalancing American medicine." John Abramson, author of Overdosed America: The Broken Promise of American Medicine "This book introduces important debates on pharmaceutical promotion and marketing, needed drug evaluation and regulation, professional conflicts of interest, and increased medicalization of behavior. It explores important trends and policy questions that all engaged citizens should consider." David Mechanic, author of The Truth About Health Care: Why Reform is not Working in America

How to Raise a Drug-Free Kid Joseph A. Califano 2014-09-09 The highly acclaimed comprehensive guide to getting your child through the formative pre-teen, teen, and college years drug-free—now completely revised and updated. Nearly every child will be offered drugs or alcohol before graduating high school, and excessive drinking is common at most colleges. But the good news is that a child who gets to age twenty-one without smoking, using illegal drugs, or abusing alcohol or prescription drugs is virtually certain never to do so. Drawing on more than two decades of research at The National Center on Addiction and Substance Abuse at Columbia University (CASAColumbia), founder Joseph A. Califano, Jr., presents a clear, common-sense guide to helping kids stay drug-free. All parents dream of a healthy, productive, and fulfilling future for their children; Califano shows which specific actions work and what parents can do to teach, protect, and empower their children to have the greatest chance of making that future come true. Teenagers who learn about the risks of drugs from their parents are twice as likely never to try them, and this book provides the tools parents need to prepare their children for those crucial decision-making moments. In this revised and updated edition, Califano tackles some of the newest obstacles standing between our kids and a drug-free life—from social media sites and cell phone apps to the explosion in prescription and over-the-counter drug abuse and the increased dangers and addictive power of marijuana. He reveals what teens can’t or won’t tell their parents about their thoughts on drugs and alcohol, and combines the latest research with his discussions with thousands of parents and teens about the challenges that widespread access to drugs and alcohol present, and how parents can instill in their teens the will and skills to choose not to use. Califano’s insightful and lively guide is as readable as it is informative.

Cancer Pain Eduardo D. Bruera 2009-10-12 This is the second edition of the widely praised book by Drs Eduardo D. Bruera and Russell K. Portenoy on all aspects of cancer pain.

Issues in Clinical Psychology, Psychiatry, and Counseling: 2011 Edition 2012-01-09 Issues in Clinical Psychology, Psychiatry, and Counseling: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Clinical Psychology, Psychiatry, and Counseling. The editors have built Issues in Clinical Psychology, Psychiatry, and Counseling: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Clinical Psychology, Psychiatry, and Counseling in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Clinical Psychology, Psychiatry, and Counseling: 2011 Edition has been produced by the world’s leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Social, Political and Cultural Dimensions of Health Kevin Dew 2016-05-09 This book comprehensively explores social, political and cultural dimensions of health in contemporary society. It addresses many issues and pertinent questions, including the following: Are we over diagnosed and over medicated? How can patients participate in their own care? Do pharmaceutical companies coerce us into medication regimes? What drives inequalities in health outcomes? What is the experience of health care for indigenous communities? Why do different countries have such different health care systems? How do we respond to life-changing conditions? Can we achieve a ‘good death’? How do new genetics shape our identities? Is public health a force of liberation or disempowerment? The book incorporates the range of levels of influence on health, covering individual patient experiences, the health professions, multinational corporations, the state, global organisations as well as examining trends in social organisation, cultural expression and technological developments. It volume provides an accessible, yet in-depth, overview and discussion of the sociology of health. The chapters include an illustrative case study and further readings relating to the topic.

Medications for Opioid Use Disorder Save Lives National Academies of Sciences, Engineering, and Medicine 2019-05-16 The opioid crisis in the United States has come about because of excessive use of these drugs for both legal and illicit purposes and unprecedented levels of consequent opioid use disorder (OUD). More than 2 million people in the United States are estimated to have OUD, which is caused by prolonged use of prescription opioids, heroin, or other illicit opioids. OUD is a life-threatening condition associated with a 20-fold greater risk of early death due to overdose, infectious diseases, trauma, and suicide. Mortality related to OUD continues to escalate as this public health crisis gathers momentum across the country, with opioid overdoses killing more than 47,000 people in 2017 in the United States. Efforts to date have made no real headway in stemming this crisis, in large part because tools that already existâ€"like evidence-based medicationsâ€"are not being deployed to maximum impact. To support the dissemination of accurate patient-focused information about treatments for addiction, and to help provide scientific solutions to the current opioid crisis, this report studies the evidence base on medication assisted treatment (MAT) for OUD. It examines available evidence on the range of parameters and circumstances in which MAT can be effectively delivered and identifies additional research needed.

Pharmaceutical R & D 1993-01-31 Analyzes the costs, risks, and economic rewards of pharmaceutical R&D and the impact of public policy on both costs and returns. Examines the rapid increase in pharmaceutical R&D that began in the 1980s in the light of trends in science, technology, drug discovery, and health insurance coverage; Government regulation; product liability; market competition; Federal tax policy; and Federal support of prescription drug research. 12 appendices, including a glossary of terms.

Law and the Regulation of Medicines Emily Jackson 2012-03-01 The principal purpose of this book is to tell the story of a medicine's journey through the regulatory system in the UK, from defining what counts as a medicine, through clinical trials, licensing, pharmacovigilance, marketing and funding. The question of global access to medicines is addressed because of its political importance, and because it offers a particularly stark illustration of the consequences of classifying medicines as a private rather than a public good. Two further specific challenges to the future of medicine's regulation are examined separately: first, pharmacogenetics, or the genetic targeting of medicines to subgroups of patients, and second, the possibility of using medicines to enhance well-being or performance, rather than treat disease. Throughout, the emphasis is on the role of regulation in shaping and influencing the operation of the medicines industry, an issue

that is of central importance to the promotion of public health and the fair and equitable distribution of healthcare resources.

Drug Abuse and Addiction in Medical Illness Joris C. Verster 2012-07-06 Drug abuse and addiction are common in clinical practice. Often they interfere with patient treatment or require an alternative approach. Drug Abuse and Addiction in Medical Illness: Causes, Consequences, and Treatment is a major contribution to the literature, a gold standard title offering a comprehensive range of topics for those who care for patients with addiction, conduct research in this area, or simply have an interest in the field. Offering state-of-the-art information for all those working with drug abusing or addicted patients, or for those interested in this topic from other research perspectives, the volume is a first of its kind book -- rich, comprehensive, yet focused, addressing the needs of the very active theoretical, basic, and clinical research in the field. Comprised of 46 chapters organized in four sections and developed by the leading international experts, Drug Abuse and Addiction in Medical Illness: Causes, Consequences, and Treatment covers virtually every core, as well as contemporary, topic on addiction, from the established theories to the most modern research and development in the field. Enhancing the educational value of the volume, every chapter includes an abstract and two boxes summarizing learning objectives and directions for future research. Drug Abuse and Addiction in Medical Illness: Causes, Consequences, and Treatment discusses the topic in a authoritative, systematic manner and is an indispensable reference for all clinicians and researchers interested in this rapidly changing field.

The Risks of Prescription Drugs Donald W. Light 2010-10-14 Few people realize that prescription drugs have become a leading cause of death, disease, and disability. Adverse reactions to widely used drugs, such as psychotropics and birth control pills, as well as biologicals, result in FDA warnings against adverse reactions. The Risks of Prescription Drugs describes how most drugs approved by the FDA are under-tested for adverse drug reactions, yet offer few new benefits. Drugs cause more than 2.2 million hospitalizations and 110,000 hospital-based deaths a year. Serious drug reactions at home or in nursing homes would significantly raise the total. Women, older people, and people with disabilities are least used in clinical trials and most affected. Health policy experts Donald Light, Howard Brody, Peter Conrad, Allan Horwitz, and Cheryl Stults describe how current regulations reward drug companies to expand clinical risks and create new diseases so millions of patients are exposed to unnecessary risks, especially women and the elderly. They reward developing marginally better drugs rather than discovering breakthrough, life-saving drugs. The Risks of Prescription Drugs tackles critical questions about the pharmaceutical industry and the privatization of risk. To what extent does the FDA protect the public from serious side effects and disasters? What is the effect of giving the private sector and markets a greater role and reducing public oversight? This volume considers whether current rules and incentives put patients' health at greater risk, the effect of the expansion of disease categories, the industry's justification of high U.S. prices, and the underlying shifts in the burden of risk borne by individuals in the world of pharmaceuticals. Chapters cover risks of statins for high cholesterol, SSRI drugs for depression and anxiety, and hormone replacement therapy for menopause. A final chapter outlines six changes to make drugs safer and more effective. Suitable for courses on health and aging, gender, disability, and minority studies, this book identifies the Risk Proliferation Syndrome that maximizes the number of people exposed to these risks. Additional Columbia / SSRC books on the privatization of risk and its implications for Americans: Bailouts: Public Money, Private ProfitEdited by Robert E. Wright Disaster and the Politics of InterventionEdited by Andrew Lakoff Health at Risk: America's Ailing Health System-and How to Heal ItEdited by Jacob S. Hacker Laid Off, Laid Low: Political and Economic Consequences of Employment InsecurityEdited by Katherine S. Newman Pensions, Social Security, and the Privatization of RiskEdited by Mitchell A. Orenstein

The Pill Book (14th Edition) Harold M. Silverman 2011-07-20 THE CONSUMER’S GUIDE TO PILLS—COMPLETELY REVISED 14th EDITION FOR 2010 WITH MORE THAN 20 IMPORTANT NEW DRUGS AND DOZENS OF NEW BRAND NAMES For more than three decades, millions of consumers have trusted The Pill Book to provide official, FDA-approved information on more than 1,800 of the most commonly prescribed drugs in the United States with guidelines from leading pharmacists. Each drug is profiled in a concise, readable, easy-to-understand entry, making The Pill Book the perfect reference when you have questions about the medications your doctor prescribes. Inside you’ll discover • generic and brand-name listings that can help you save money • What each drug is for, and how it works • usual dosages, and what to do if a dose is skipped • side effects and possible adverse reactions, highlighted for quick reference • interactions with other drugs and food • overdose and addiction potential • alcohol-free and sugar-free medications • the most popular self-injected medications and their safe handling • information for seniors, pregnant and breast-feeding women, children, and others with special needs • cautions and warnings, and when to call your doctor • 32 pages of actual-size color photographs of prescription pills* No home should be without this book! *Not all ereading devices will show the images in color and at the exact size.

Political Science Quarterly 2008

Unnatural Selection Mark Roeder 2014-10-14 Unnatural Selection is the first book to examine the rise of the "technocentric being"—or geek—who personifies a distinct new phase in human evolution. People considered geeks often have behavioral or genetic traits that were previously considered detrimental. But the new environment of the Anthropocene period—the Age of Man—has created a kind of digital greenhouse that actually favors their traits, enabling many non-neurotypical people to bloom. They resonate with the technological Zeitgeist in a way that turns their weaknesses into strengths. Think of Mark Zuckerberg versus the towering, Olympics-bound Winklevoss twins in the movie Social Network. Roeder suggests that the rise of the geek is not so much the product of Darwinian "natural selection" as of man-made—or unnatural—selection. He explains why geeks have become so phenomenally successful in such a short time and why the process will further accelerate, driven by breakthroughs in genetic engineering, neuropharmacology, and artificial intelligence. His book offers a fascinating synthesis of the latest trends in these fields and predicts a twenty-first century "cognitive arms race" in which new technology will enable everyone to become more intelligent and "geek-like."

Improving Drug Safety — A Joint Responsibility Rolf Dinkel 2013-03-07 As the focus on pharmaceuticals has broadened from concern for their cost and effectiveness to their real and potential risks and benefits, a critical question has been raised: whose responsibility is it to improve drug safety? In April 1990, this question became the theme for a conference at Wolfsberg, Switzerland, near the shores of Lake Constance. Called an "international dialogue conference" by its organizers, the meeting brought together leaders from the pharmaceutical industry, regulatory authorities, academia, medicine, consumer organizations and the media. Opening addresses were given by representatives of the Council for International Organizations of Medical Sciences (CIOMS), the International Federation of Pharmaceutical Manufacturers Associations (IFPMA), the Swiss International Pharmaceutical Agency, and the RAD-AR Consortium. This book documents the papers presented and discussions held at this conference, which took the topic of risks and benefits of drug therapy one step further to responsibility. It includes a rich menu of issues for those who care

about the evaluation of drug therapy, the ethics behind it, the expectations of the patient, and the role of traditional and nontraditional drug safety communica tions. The ideas expressed here come from different parts of the world but relate to common drug safety problems, observations, and scientific assessments; they provide insights into innovative approaches, cautious changes, and desired actions. The papers in this volume are broadly divided into conceptual perspectives (ethics, how the knowledge about drug risks and benefits is generated and appraised, the expectations in drug safety) and operational perspectives (communication, discussion, and action).

Departments of Labor, Health and Human Services, Education, and Related Agencies Appropriations for 2008 United States. Congress. House. Committee on Appropriations. Subcommittee on the Departments of Labor, Health and Human Services, Education, and Related Agencies 2007

Children and the Law Katherine Hunt Federle 2012-10-19 The study and practice of juvenile law is inherently interdisciplinary--a successful practitioner must understand not only the legal implications in the field, but also have a solid grounding in child psychology, child development, neuroscience, sociology, criminology, and social work. The best child-advocates in the law have a firm familiarity with and understanding of the value these other disciplines provide. Children and the Law is a unique coursebook that will revolutionize the way students learn and apply juvenile law. By incorporating the interdisciplinary topics necessary to understand the best practices in child law, author Katherine Federle has carefully selected a vast array of articles, studies, research, cases and statutes that allow students to best understand the law and also help bridge the divide between theory and practice. The book is separated into four main sections: Children and Crime, Children and Protection, Children and Restraints on Freedom, and Children and Decision-Making. Each section in Children and the Law also includes a series of questions, exercises, and problems that encourage students to critically examine legal doctrine and policy in light of available scientific and socio-scientific scholarship.

Warning, the Growing Danger of Prescription Drug Diversion United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Commerce, Manufacturing, and Trade 2012

Shared Responsibility, Shared Risk Jacob Hacker 2012-01-19 How can the American social welfare system be repaired so that workers and families receive adequate protection and, if necessary, provision from the ravages of the market? This book addresses this fundamental problem and analyses how the 'privatization of risk' has increased hardships for American families and increased inequality. It also proposes a series of solutions that would distribute the burdens of risks more broadly and expand the social safety net.

Code of Federal Regulations 2005 Special edition of the Federal Register, containing a codification of documents of general applicability and future effect ... with ancillaries.

Effects of Prescription Drugs During Pregnancy United States. Congress. House. Committee on Science and Technology. Subcommittee on Investigations and Oversight 1982

Good Pharma Donald W. Light 2015-06-30 Drawing on key concepts in sociology and management, this history describes a remarkable institute that has elevated medical research and worked out solutions to the troubling practices of commercial pharmaceutical research. Good Pharma is the answer to Goldacre's Bad Pharma: ethical research without commercial distortions.

Medicare Prescription Drug, Improvement, and Modernization Act of 2003 CCH Incorporated 2004-01-01

Syringe Exchange Programs and the Opioid Epidemic Joaquin Jay Gonzalez III 2022-01-28 Syringe exchange programs and safe injection services are outside-the-box interventions increasingly being used by governments, nonprofits and citizens to address dire issues percolating in tandem with America's burgeoning opioid epidemic. People who inject drugs (PWID)--almost a million Americans annually--commonly use painkillers such as heroin and fentanyl, as well as methamphetamine, benzodiazepines, barbiturates and cocaine. Yet the users themselves are often obscured or marginalized by the bigger picture. This collection of essays covers policies and practices aimed at preventing both opioid-related deaths and related infections of hepatitis and HIV.

Women Under the Influence 2006

Silent Cells Anthony Ryan Hatch 2019-04-30 A critical investigation into the use of psychotropic drugs to pacify and control inmates and other captives in the vast U.S. prison, military, and welfare systems For at least four decades, U.S. prisons and jails have aggressively turned to psychotropic drugs—antidepressants, antipsychotics, sedatives, and tranquilizers—to silence inmates, whether or not they have been diagnosed with mental illnesses. In Silent Cells, Anthony Ryan Hatch demonstrates that the pervasive use of psychotropic drugs has not only defined and enabled mass incarceration but has also become central to other forms of captivity, including foster homes, military and immigrant detention centers, and nursing homes. Silent Cells shows how, in shockingly large numbers, federal, state, and local governments and government-authorized private agencies pacify people with drugs, uncovering patterns of institutional violence that threaten basic human and civil rights. Drawing on publicly available records, Hatch unearths the coercive ways that psychotropics serve to manufacture compliance and docility, practices hidden behind layers of state secrecy, medical complicity, and corporate profiteering. Psychotropics, Hatch shows, are integral to “technocorrectional” policies devised to minimize public costs and increase the private profitability of mass captivity while guaranteeing public safety and national security. This broad indictment of psychotropics is therefore animated by a radical counterfactual question: would incarceration on the scale practiced in the United States even be possible without psychotropics?

To Err Is Human Institute of Medicine 2000-03-01 Experts estimate that as many as 98,000 people die in any given year from medical errors that occur in hospitals. That's more than die from motor vehicle accidents, breast cancer, or AIDSâ€"three causes that receive far more public attention. Indeed, more people die annually from medication errors than from workplace injuries. Add the financial cost to the human tragedy, and medical error easily rises to the top ranks of urgent, widespread public problems. To Err Is Human breaks the silence that has surrounded medical errors and their consequenceâ€"but not by pointing fingers at caring health care professionals who make honest mistakes. After all, to err is human. Instead, this book sets forth a national agendaâ€"with state and local implicationsâ€"for reducing medical errors and improving patient safety through the design of a safer health system. This volume reveals the often startling statistics of medical error and the disparity between the incidence of error and public perception of it, given many patients' expectations that the medical profession always performs perfectly. A careful examination is made of how the surrounding forces of legislation, regulation, and market activity influence the quality of care provided by health care organizations and then looks at their handling of medical mistakes. Using a detailed case study, the book reviews the current understanding of why these mistakes happen. A key theme is that legitimate liability concerns discourage reporting of errorsâ€"which begs the question, "How can we learn from our mistakes?" Balancing regulatory versus market-based initiatives and public versus private efforts, the Institute of Medicine presents wide-ranging recommendations for improving patient safety, in the areas of leadership, improved data collection and analysis, and development of effective systems at the

level of direct patient care. To Err Is Human asserts that the problem is not bad people in health careâ€"it is that good people are working in bad systems that need to be made safer. Comprehensive and straightforward, this book offers a clear prescription for raising the level of patient safety in American health care. It also explains how patients themselves can influence the quality of care that they receive once they check into the hospital. This book will be vitally important to federal, state, and local health policy makers and regulators, health professional licensing officials, hospital administrators, medical educators and students, health caregivers, health journalists, patient advocatesâ€"as well as patients themselves. First in a series of publications from the Quality of Health Care in America, a project initiated by the Institute of Medicine

Epidemiology of Women's Health Ruby T. Senie 2014 With contributions from leading authorities in the field, this text explores the major health challenges & conditions that specifically affect women.

Public Health Reports 1978

Opioids in Cancer Pain Mellar P. Davis 2009-05-28 Opioids can be effective in relieving pain in more than 90% of cancer patients. However, often irrational fears from both patients and clinicians persist about the potential for addiction, meaning treatable pain continues to be tolerated. This book offers clear guidelines on the use of opioids when managing cancer pain.

Public Health Reports 1978

The End of Medicine as We Know it -- and why Your Health Has a Future Harald H. H. W. Schmidt 2022 Medicine itself is sick. We hardly understand any disease and therefore need to chronically treat symptoms but not the causes. Consequently, drugs and other therapies help only very few patients; yet we are pumping more and more money into our healthcare system without any added value and neglect prevention. Thus, the internationally renowned physician scientist, Harald H.H.W. Schmidt, MD, PhD, PharmD, professor at Maastricht University, predicts the end of medicine as we know it. On a positive note, digitization will radically change healthcare and lead to one of the greatest socioeconomic revolutions of mankind. He is one of the pioneers of "systems medicine", a complete redefinition of what we call a "disease", how we organize medicine and how we use Big Data to heal rather than treat, and to prevent rather than cure. In this book the author first proves the deep crisis of medicine, and then also describes how medicine will become more precise, more preventive, safer and, surprisingly, more affordable. "Dr. Harald Schmidt convincingly explains the limitations in the current practice of medicine and the need for big data and a systems approach." Ferid Murad MD, PhD, Nobel Laureate in Medicine 1998 "Visionary, provocative, and full of insights. Professor Schmidt gives a unique and authoritative perspective to the past, present and future of medical science and clinical practice. And all presented in such an inimitable style." Prof. Robert F. W. Moulds, MBBS PhD FRACP, Former Dean Royal Melbourne Hospital Clinical School of the University of Melbourne, Australia The translation was performed with the help of artificial intelligence (machine translation by the service DeepL.com). Subsequent human revision including updating of each chapter was carried out mainly with a view to internationalization of the content, so that the book reads differently from a simple translation in terms of style and timeliness.