

Decision Making In Health And Medicine Integrating Evidence And Values

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Relationship Power in Health Care - John B. Livingstone, M.D. 2016-02-24

The personal interface between clinician and patient is a misunderstood subject which can impact all areas of health care. Without adequate training in relationship science clinicians inadvertently contribute to empathic failure, poor medical decision process, difficulty changing health-related behavior, costly variation and derailment of care, extra litigation, and clinician burnout. Relationship Power in Health Care presents new knowledge and skills that empower health care and wellness professionals to become competent facilitators of behavior and lifestyle change, information transfer, and medical decision making in collaboration with their patients. The new approaches are supported by a wide variety of research and clinical evidence, derived from modern psychotherapy, brain biology, and the latest advances in health coaching and nursing science. Putting them to work to improve health care makes good sense both scientifically and ethically. This comprehensive text integrates past health psychology models starting from the 1950s with recent advances made since the 1990s in relationship psychology and interpersonal neurobiology. It also includes videos of brief medical interviews along with analysis of the strategies and tactics used. The tactics outlined and the interview demonstrations, conducted by a highly experienced clinical social worker and nurse Joanne Gaffney, offer a unique opportunity for all clinicians to acquire valuable skills in both clinician self-care and patient care.

Decision Making in Health and Medicine with CD-ROM - Myriam Hunink 2001-11

Tells doctors and students how to evaluate complex clinical information to improve health care.

An Introduction to Medical Decision-Making - Jonathan S. Vordermark II 2019-10-16

This volume presents novel concepts to help physicians and health care providers better understand the thought processes and approaches used in clinical decision-making and how we develop those skills as we transition from being a medical student to post-graduate trainee to independent practitioner. Approaches presented range from simple rules of thumb, pattern recognition, and heuristics, to more formulaic methods such as standard operating procedures, checklists, evidence-based medicine, mathematical modeling, and statistics. Ways to recognize and manage errors and how our decision-making can be improved, are also discussed. An Introduction to Medical Decision-Making presents several innovative techniques to allow the reader to use the principles presented and integrate the ethical, humanistic and social aspects of decision-making with the pragmatic and knowledge-based aspects of clinical medicine. It also highlights how our thinking processes,

emotions, and biases affect decision-making. This invaluable resource will allow students and physicians to evaluate and critically discuss their decisions objectively to become more efficient and effective, and maximize the quality of care they provide.

Ending Medicine's Chronic Dysfunction - Lawrence L Weed 2021-03-25

This book describes an overlooked solution to a long-standing problem in health care. The problem is an informational supply chain that is unnecessarily dependent on the minds of doctors for assembling patient data and medical knowledge in clinical decision making. That supply chain function is more than the human mind can deliver. Yet, dependence on the mind is built into the traditional role of doctors, who are educated and licensed to rely heavily on personal knowledge and judgment. The culture of medicine has long been in denial of this problem, even now that health information technology is increasingly used, and even as artificial intelligence (AI) tools are emerging. AI will play an important role, but it is not a solution. The solution instead begins with traditional software techniques designed to integrate novel functionality for clinical decision support and electronic health record (EHR) tools. That functionality implements high standards of care for managing health information. This book describes that functionality in some detail. This description is intended in part to be a starting point for developers in the open source software community, who have an opportunity to begin developing an integrated, cloud-based version of the tools described, working with interested clinicians, patients, and others. The tools grew out of work beginning more than six decades ago, when this book's lead author (deceased) originated problem lists and structured notes in medical records. The electronic tools he later developed led him to reconceive education and licensure for doctors and other health professionals, which are also part of the solution this book describes.

Medical Decision Making - Harold C. Sox 2013-05-08

This book clearly demonstrates how to best make medical decisions while incorporating clinical practice guidelines and decision support systems for electronic medical record systems. New to this edition is how medical decision making ideas are being incorporated into clinical decision support systems in electronic medical records and also how they are being used to shape practice guidelines and policies.

Crossing the Quality Chasm - Institute of Medicine 2001-08-19

Second in a series of publications from the Institute of Medicine's Quality of Health Care in America project Today's health care providers have more research

findings and more technology available to them than ever before. Yet recent reports have raised serious doubts about the quality of health care in America. Crossing the Quality Chasm makes an urgent call for fundamental change to close the quality gap. This book recommends a sweeping redesign of the American health care system and provides overarching principles for specific direction for policymakers, health care leaders, clinicians, regulators, purchasers, and others. In this comprehensive volume the committee offers: A set of performance expectations for the 21st century health care system. A set of 10 new rules to guide patient-clinician relationships. A suggested organizing framework to better align the incentives inherent in payment and accountability with improvements in quality. Key steps to promote evidence-based practice and strengthen clinical information systems. Analyzing health care organizations as complex systems, Crossing the Quality Chasm also documents the causes of the quality gap, identifies current practices that impede quality care, and explores how systems approaches can be used to implement change.

Clinical Judgement and Decision Making in Nursing - Mooi Standing 2023-04-05

Clinical judgement and decision making are terms that are frequently used in nursing. But what do they mean and how can they be effectively applied in practice? In straightforward language, this book helps you to develop the necessary skills to make and apply sound clinical decisions. It breaks down the factors involved in decision making and shows you how to use evidence, critical enquiry and reflection to do so with confidence. Key features: - Each chapter is mapped to the 2018 NMC Standards - Thought-provoking case studies and scenarios illustrate decision making in practice - Activities enable you to practise your skills and build confidence in your ability to make effective decisions

Integrating Social Care into the Delivery of Health Care - National Academies of Sciences, Engineering, and Medicine 2019-12-30

Integrating Social Care into the Delivery of Health Care: Moving Upstream to Improve the Nation's Health was released in September 2019, before the World Health Organization declared COVID-19 a global pandemic in March 2020. Improving social conditions remains critical to improving health outcomes, and integrating social care into health care delivery is more relevant than ever in the context of the pandemic and increased strains placed on the U.S. health care system. The report and its related products ultimately aim to help improve health and health equity, during COVID-19 and beyond. The consistent and compelling evidence on how social determinants shape health has led to a growing recognition throughout the health care sector that improving health and health equity is likely to depend "at least in part" on mitigating adverse social determinants. This recognition has been bolstered by a shift in the health care sector towards value-based payment, which incentivizes improved health outcomes for persons and populations rather than service delivery alone. The combined result of these changes has been a growing emphasis on health care systems addressing patients' social risk factors and social needs with the aim of improving health outcomes. This may involve health care systems linking individual patients with government and community social services, but important questions need to be answered about when and how health care systems should integrate social care into their practices and what kinds of infrastructure are required to facilitate such activities. Integrating Social Care into the Delivery of Health Care: Moving Upstream to Improve the Nation's Health examines the potential for integrating services addressing social needs and the social determinants of health into the delivery of health care to achieve better health outcomes. This report assesses approaches to social care

integration currently being taken by health care providers and systems, and new or emerging approaches and opportunities; current roles in such integration by different disciplines and organizations, and new or emerging roles and types of providers; and current and emerging efforts to design health care systems to improve the nation's health and reduce health inequities.

Behavioral Medicine and Integrated Care - Melanie P. Duckworth 2018-10-12

This evidence-to-practice volume deftly analyzes the processes and skills of integrating mental healthcare with primary care, using multiple perspectives to address challenges that often derail these joint efforts. Experts across integrative medicine offer accessible blueprints for smoothly implementing data-based behavioral interventions, from disease management strategies to treatment of psychological problems, into patient-centered, cost-effective integrated care. Coverage highlights training and technology issues, key healthcare constructs that often get lost in translation, and other knowledge necessary to create systems that are rooted in—and contribute to—a robust evidence base. Contributors also provide step-by-step guidelines for integrating behavioral health care delivery in treating cancer, dementia, and chronic pain. Among the topics covered: The epidemiology of medical diseases and associated behavioral risk factors. Provider training: recognizing the relevance of behavioral medicine and the importance of behavioral health consultations and referrals. Screening for behavioral health problems in adult primary care. Health care transformation: the electronic health record. Meeting the care needs of patients with multiple medical conditions. Smoking cessation in the context of integrated care. This depth of clinical guidance makes Behavioral Medicine and Integrated Care an essential reference for practitioners on all sides of the equation, including health psychologists and other professionals in health promotion, disease prevention, psychotherapy and counseling, and primary care medicine.

Goal-Directed Decision Making - Richard W. Morris 2018-08-23

Goal-Directed Decision Making: Computations and Neural Circuits examines the role of goal-directed choice. It begins with an examination of the computations performed by associated circuits, but then moves on to in-depth examinations on how goal-directed learning interacts with other forms of choice and response selection. This is the only book that embraces the multidisciplinary nature of this area of decision-making, integrating our knowledge of goal-directed decision-making from basic, computational, clinical, and ethology research into a single resource that is invaluable for neuroscientists, psychologists and computer scientists alike. The book presents discussions on the broader field of decision-making and how it has expanded to incorporate ideas related to flexible behaviors, such as cognitive control, economic choice, and Bayesian inference, as well as the influences that motivation, context and cues have on behavior and decision-making. Details the neural circuits functionally involved in goal-directed decision-making and the computations these circuits perform Discusses changes in goal-directed decision-making spurred by development and disorders, and within real-world applications, including social contexts and addiction Synthesizes neuroscience, psychology and computer science research to offer a unique perspective on the central and emerging issues in goal-directed decision-making

Decision Making in Health and Medicine - M. G. Myriam Hunink 2014-10-16

A guide for everyone involved in medical decision making to plot a clear course through complex and conflicting benefits and risks.

Fundamentals of Clinical Data Science - Pieter Kubben 2018-12-21

This open access book comprehensively covers the fundamentals of clinical data

science, focusing on data collection, modelling and clinical applications. Topics covered in the first section on data collection include: data sources, data at scale (big data), data stewardship (FAIR data) and related privacy concerns. Aspects of predictive modelling using techniques such as classification, regression or clustering, and prediction model validation will be covered in the second section. The third section covers aspects of (mobile) clinical decision support systems, operational excellence and value-based healthcare. Fundamentals of Clinical Data Science is an essential resource for healthcare professionals and IT consultants intending to develop and refine their skills in personalized medicine, using solutions based on large datasets from electronic health records or telemonitoring programmes. The book's promise is "no math, no code" and will explain the topics in a style that is optimized for a healthcare audience.

Decision Making in Health and Medicine : Integrating Evidence and Values - 2001

Making Health Care Whole - Christina Puchalski 2011-06-01

In the last fifteen years, the field of palliative care has experienced a surge in interest in spirituality as an important aspect of caring for seriously ill and dying patients. While spirituality has been generally recognized as an essential dimension of palliative care, uniformity of spiritual care practice has been lacking across health care settings due to factors like varying understandings and definitions of spirituality, lack of resources and practical tools, and limited professional education and training in spiritual care. In order to address these shortcomings, more than forty spiritual and palliative care experts gathered for a national conference to discuss guidelines for incorporating spirituality into palliative care. Their consensus findings form the basis of Making Health Care Whole. This important new resource provides much-needed definitions and charts a common language for addressing spiritual care across the disciplines of medicine, nursing, social work, chaplaincy, psychology, and other groups. It presents models of spiritual care that are broad and inclusive, and provides tools for screening, assessment, care planning, and interventions. This book also advocates a team approach to spiritual care, and specifies the roles of each professional on the team. Serving as both a scholarly review of the field as well as a practical resource with specific recommendations to improve spiritual care in clinical practice, Making Health Care Whole will benefit hospices and palliative care programs in hospitals, home care services, and long-term care services. It will also be a valuable addition to the curriculum at seminaries, schools of theology, and medical and nursing schools.

Complementary Therapies for Physical Therapy - Judith E. Deutsch 2007-12-10

This is a Pageburst digital textbook; With all the most relevant therapies you need to know discussed in detail, Complementary Therapies for Physical Therapy: A Clinical Decision-Making Approach includes the information you need to incorporate evidence-based complementary therapies into your PT practice. Organized and based on the National Center for Complimentary and Alternative Medicine's classification system, this book begins with a basic overview of CAM therapies and progresses to clinical decision-making and integration of CAM therapies into physical therapy. Helpful boxes and tables throughout the book summarize literature searches, examination findings, and goals for treatment. Plus, case scenarios written by expert CAM practitioners help illustrate the practical uses of alternative therapies within the physical therapy setting to help you incorporate CAM therapies into your everyday practice. PICO (Population, Intervention, Comparison, Outcome) boxes summarize key information and save you time by providing a method

for performing quick and accurate literature searches. Realistic case scenarios show you how various CAM modalities can be incorporated into treatment for therapeutic benefit. The use of the clinical decision-making model prepares you to implement critical-thinking skills across other CAM treatments. Well-referenced content with a focus on literature ensures that content is up-to-date and evidence-based to provide you with the tools you need to search additional areas and keep current with new literature in this constantly changing field. An emphasis on therapies most relevant to rehabilitation ensures you get the information you need to incorporate CAM into your practice. Winner of a 2008 PROSE Award for Professional and Scholarly Excellence. Received top honors in the nursing and allied health book category from the Professional and Scholarly Publishing Division of the Association of American Publishers.

The Hospital and Clinic Improvement Handbook - Boaz Ronen 2018

The essential healthcare guide to doing more with existing resources The healthcare industry faces foundational challenges to how it sustains itself. As the gap between cost and revenue continues to widen, and as cost-effectiveness remains an elusive imperative, the question persists: how can healthcare organizations do more with the same resources? The Hospital and Clinic Improvement Handbook is a practical guide to how operations management -- in particular Lean and the Theory of Constraints (TOC) -- can rapidly advance value and performance in any healthcare organization. Utilizing a systems approach that will be relevant for healthcare managers and executives, it unpacks and demystifies concepts such as performance measures, operations, quality, cost accounting, pricing, and value enhancement, all as they relate to eliminating waste and non-value-adding activities. Enriched with dozens of examples and building on the authors' experience teaching and refining these concepts for healthcare, this text is an essential guide for executives and managers across the industry.

Optimal Living 360 - Sanjay Jain 2014-02-03

A program for making the most out of the present and future The biggest challenge is figuring out how to make decisions that improve your overall quality of life. In Optimal Living 360, Dr. Sanjay Jain introduces Integrative Decision Making, an approach that focuses on the big picture and teaches you how to make decisions to receive the highest return on investment in life. While sharing his life-changing discoveries, Dr. Jain guides you through the process of isolating your core values using his ASPIRES model. He then explains how to integrate those ideals or standards into the decision-making process in aspects of life such as health, money, relationships, leisure, and sex, among others. Each optimal decision you make brings you one step closer to finding balance and taking control. The easy-to-follow technique will help you make the best of any situation and maximize your return on each aspect of your multidimensional life, even if you're on a restrained budget or have minimal resources. Optimal Living 360 is refreshingly comprehensive and a revolutionary approach to personal fulfillment.

Shared Decision Making in Health Care - Glyn Elwyn 2016

First edition published as: Evidence-based patient choice.. Oxford: Oxford University Press, 2001.

Evidence Synthesis for Decision Making in Healthcare - Nicky J. Welton 2012-05-29

In the evaluation of healthcare, rigorous methods of quantitative assessment are necessary to establish interventions that are both effective and cost-effective. Usually a single study will not fully address these issues and it is desirable to synthesize evidence from multiple sources. This book aims to provide a practical guide to evidence synthesis for the purpose of decision making, starting with a

simple single parameter model, where all studies estimate the same quantity (pairwise meta-analysis) and progressing to more complex multi-parameter structures (including meta-regression, mixed treatment comparisons, Markov models of disease progression, and epidemiology models). A comprehensive, coherent framework is adopted and estimated using Bayesian methods. Key features: A coherent approach to evidence synthesis from multiple sources. Focus is given to Bayesian methods for evidence synthesis that can be integrated within cost-effectiveness analyses in a probabilistic framework using Markov Chain Monte Carlo simulation. Provides methods to statistically combine evidence from a range of evidence structures. Emphasizes the importance of model critique and checking for evidence consistency. Presents numerous worked examples, exercises and solutions drawn from a variety of medical disciplines throughout the book. WinBUGS code is provided for all examples. Evidence Synthesis for Decision Making in Healthcare is intended for health economists, decision modelers, statisticians and others involved in evidence synthesis, health technology assessment, and economic evaluation of health technologies.

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EBOOK: Clinical Judgement and Decision-Making in Nursing and Inter-professional Healthcare - Mooi Standing 2010-08-16

"Mooi Standing's book provides an excellent application of the principal concepts of Cognitive Continuum Theory; her presentation is clear, accurate and her inferences show that she has a first rate grasp of the implications of the theory, and what it means for the care of patients. Her work should stand as a monument to the application of psychological theory to nursing care." Professor Emeritus Kenneth R. Hammond, University of Colorado, USA Sound clinical judgement and decision-making is vital to delivery of high quality, patient-centred, nursing and interprofessional healthcare. This book integrates the theory and practice of decision-making to guide and enhance practitioners' understanding and clinical expertise. Mooi Standing presents relevant, contemporary theory and research that relates decision-making to: Professional identity Organization of healthcare Developing knowledge and skills Selecting and applying the most appropriate intervention in clinical practice Real case studies written by various advanced practitioners demonstrate how to apply theory to practice in reviewing, explaining and continually developing clinical judgement and decision-making skills. A patient's account of care received for a serious illness provides a valuable patient-centred insight. The author's new 'reflexive-pragmatism' model summarizes the key knowledge, skills, values and processes of clinical judgement and decision-making, for readers to apply in reviewing and enhancing their own clinical practice. Extensive reflective activities and self assessment tools are included throughout the book. Clinical Judgement and Decision-Making is essential reading for qualified nurses, midwives and allied health professionals undertaking CPD modules in judgement and decision-making, evidence-based practice and reflective practice or studying to be advanced practitioners. Contributors: Kate Dewar, Carolyn Jackson, Peter Ellis, Antonio Sama, Roger Goldsmith, Elizabeth Duck, Douglas MacInnes, Susan Plummer, Hesham Hassan, Michael Standing

COVID-19: Prediction, Decision-Making, and its Impacts - K.C. Santosh 2020-12-11

The book aims to outline the issues of AI and COVID-19, involving predictions, medical support decision-making, and possible impact on human life. Starting with major COVID-19 issues and challenges, it takes possible AI-based solutions for several problems, such as public health surveillance, early (epidemic) prediction, COVID-19 positive case detection, and robotics integration against COVID-19. Beside mathematical modeling, it includes the necessity of changes in innovations and possible COVID-19 impacts. The book covers a clear understanding of AI-driven tools and techniques, where pattern recognition, anomaly detection, machine learning, and data analytics are considered. It aims to include the wide range of audiences from computer science and engineering to healthcare professionals.

Health Decision Support Systems - Joseph K. H. Tan 1998

This textbook is a logical continuation of Dr. Tan's first book, Health

Management Information Systems. For graduate level and upper level undergraduate courses, it explains the use of health decision support systems throughout the health care industry, citing examples from hospitals, managed care organizations and long term care facilities. This book includes learning objectives, case studies and review questions. An Instructor's guide is also available.

Emergency Medicine Decision Making: Critical Issues in Chaotic Environments - Scott Weingart 2006

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Evidence-Based Emergency Medicine, a highly readable primer, will be the first book to teach EBM principles and their clinical application with the unique mindset and needs of the Emergency Medicine physician in mind. This one-of-a-kind guide discusses the search, evaluation, and proper use of the literature of emergency medicine, from textbooks to trials and qualitative studies to systematic reviews. It reveals how and where to find the quality information needed when seconds count. Fully exploring medical decision making using cognitive psychology, Bayesian analysis and more, it shows how to apply the knowledge they provide to achieve superior diagnosis and management of ED patients. The avoidance of medical errors is emphasized through the precepts of critical thinking and heuristics.

Essential Decision Making and Clinical Judgement for Nurses E-Book - Carl Thompson 2009-07-17

This book provides the skills and knowledge to use information effectively when exercising professional judgement and clinical decisions. By integrating theory with practical examples, it provides an overview of the key issues facing nurses in decision making today. Review of up-to-date research into clinical professional judgement and decision making. Focus on evidence and skills and knowledge relevant to nursing practice. Combines current theory with analysis of applications in practice. Learning exercises and self-assessment components in each chapter. Comprehensive coverage of subject.

Medical Device Data and Modeling for Clinical Decision Making - John R. Zaleski 2011

This cutting-edge volume is the first book that provides you with practical guidance on the use of medical device data for bioinformatics modeling purposes. You learn how to develop original methods for communicating with medical devices within healthcare enterprises and assisting with bedside clinical decision making. The book guides in the implementation and use of clinical decision support methods within the context of electronic health records in the hospital environment. This highly valuable reference also teaches budding biomedical engineers and bioinformaticists the practical benefits of using medical device data. Supported with over 100 illustrations, this all-in-one resource discusses key concepts in detail and then presents clear implementation examples to give you a complete understanding of how to use this knowledge in the field.

Decision Making in Health and Medicine - M. G. Myriam Hunink 2014-10-16

Decision making in health care involves consideration of a complex set of diagnostic, therapeutic and prognostic uncertainties. Medical therapies have side effects, surgical interventions may lead to complications, and diagnostic tests can produce misleading results. Furthermore, patient values and service costs must be considered. Decisions in clinical and health policy require careful weighing of risks and benefits and are commonly a trade-off of competing objectives: maximizing quality of life vs maximizing life expectancy vs minimizing the

resources required. This text takes a proactive, systematic and rational approach to medical decision making. It covers decision trees, Bayesian revision, receiver operating characteristic curves, and cost-effectiveness analysis, as well as advanced topics such as Markov models, microsimulation, probabilistic sensitivity analysis and value of information analysis. It provides an essential resource for trainees and researchers involved in medical decision modelling, evidence-based medicine, clinical epidemiology, comparative effectiveness, public health, health economics, and health technology assessment.

Helping people share decision making - 2012

How Doctors Think - Jerome Groopman 2008-03-12

On average, a physician will interrupt a patient describing her symptoms within eighteen seconds. In that short time, many doctors decide on the likely diagnosis and best treatment. Often, decisions made this way are correct, but at crucial moments they can also be wrong—with catastrophic consequences. In this myth-shattering book, Jerome Groopman pinpoints the forces and thought processes behind the decisions doctors make. Groopman explores why doctors err and shows when and how they can—with our help—avoid snap judgments, embrace uncertainty, communicate effectively, and deploy other skills that can profoundly impact our health. This book is the first to describe in detail the warning signs of erroneous medical thinking and reveal how new technologies may actually hinder accurate diagnoses. *How Doctors Think* offers direct, intelligent questions patients can ask their doctors to help them get back on track. Groopman draws on a wealth of research, extensive interviews with some of the country's best doctors, and his own experiences as a doctor and as a patient. He has learned many of the lessons in this book the hard way, from his own mistakes and from errors his doctors made in treating his own debilitating medical problems. *How Doctors Think* reveals a profound new view of twenty-first-century medical practice, giving doctors and patients the vital information they need to make better judgments together.

Evidence into Practice - Laurita M Hack 2013-01-03

The first text to provide comprehensive coverage of the three areas integral to evidence-based practice—clinical expertise, understanding patient values and circumstances, and analyzing evidence from the literature! This integration is the heart of the optimal practitioner-patient relationship and the path to the very best patient care.

Brain, Decision Making and Mental Health - Nima Rezaei 2023-01-26

Brain, Decision Making, and Mental Health acknowledges that thinking is not a constant phenomenon but varies considerably across cultures. Critical thinking is particularly important in bridging thinking divisions and its applicability across sciences, particularly medical sciences. We see critical thinking as educable and the arts as means to achieve this purpose. We address the multidimensional relationship between thinking and health and related mechanisms. Thinking mainly affects emotion regulation and executive function; in other words, both mental and physical health are related as a function of thoughts. Considering the thinking-feeling-emotion regulation/executive function pathway, it would be reasonable to propose thinking capacities-based interventions to impact emotion regulation and executive function, such as mindfulness and psychotherapy. We review decision-making taking place in integrated and social contexts and discuss the decision-making styles-decision outcomes relation. Finally, artificial thinking and intelligence prepare us for decision-making outside the human mind.

Bioethics, Public Health, and the Social Sciences for the Medical Professions -

Amy E. Caruso Brown 2019-07-18

This unique textbook utilizes an integrated, case-based approach to explore how the domains of bioethics, public health and the social sciences impact individual patients and populations. It provides a structured framework suitable for both educators (including course directors and others engaged in curricular design) and for medical and health professions students to use in classroom settings across a range of clinical areas and allied health professions and for independent study. The textbook opens with an introduction, describing the intersection of ethics and public health in clinical practice and the six key themes that inform the book's core learning objectives, followed by a guide to using the book. It then presents 22 case studies that address a broad spectrum of patient populations, clinical settings, and disease pathologies. Each pair of cases shares a core concept in bioethics or public health, from community perspectives and end-of-life care to medical mistakes and stigma and marginalization. They engage learners in rigorous clinical and ethical reasoning by prompting readers to make choices based on available information and then providing additional information to challenge assumptions, simulating clinical decision-making. In addition to providing a unique, detailed clinical scenario, each case is presented in a consistent format, which includes learning objectives, questions and responses for self-directed learning, questions and responses for group discussion, references, and suggested further reading. All cases integrate the six themes of patient- and family-centered care; evidence-based practice; structural competency; biases in decision-making; cultural humility and awareness of the culture of medicine; and justice, social responsibility and advocacy. The final section discusses some challenges to evaluating courses and learning encounters that adopt the cases and includes a model framework for learner assessment.

New Perspectives in Medical Records - Giovanni Rinaldi 2017-03-18

This book provides innovative practical suggestions regarding the production and management of medical records that are designed to address the inconsistencies and errors that have been highlighted especially in relation to national eHealth programs. Challenges and lessons that have emerged from the use of clinical information and the design of medical records are discussed, and principles underpinning the implementation of health IT are critically examined. New trends in the use of clinical data are explored in depth, with analysis of issues relating to integration and sharing of patient information, data visualization, big data analytics, and the requirements of modern electronic health records. The spirit pervading the book is one of co-production, in which the needs of practitioners are taken into account from the outset. Readers will learn the basic concepts of how clinical information emanating from the doctor-patient relationship can be effectively integrated with genetic and environmental data and analyzed by complex algorithms with the goal of improving medical decision making and patient care. The book, written by European experts and researchers, will be of interest to all stakeholders in the field, including doctors, technicians, and policy makers.

Achieving Person-Centred Health Systems - Ellen Nolte 2020-06-30

The idea of person-centred health systems is widely advocated in political and policy declarations to better address health system challenges. A person-centred approach is advocated on political, ethical and instrumental grounds and believed to benefit service users, health professionals and the health system more broadly. However, there is continuing debate about the strategies that are available and effective to promote and implement 'person-centred' approaches. This book brings

together the world's leading experts in the field to present the evidence base and analyse current challenges and issues. It examines 'person-centredness' from the different roles people take in health systems, as individual service users, care managers, taxpayers or active citizens. The evidence presented will not only provide invaluable policy advice to practitioners and policymakers working on the design and implementation of person-centred health systems but will also be an excellent resource for academics and graduate students researching health systems in Europe.

Clinical Decision Support - Robert A. Greenes 2011-04-28

This book examines the nature of medical knowledge, how it is obtained, and how it can be used for decision support. It provides complete coverage of computational approaches to clinical decision-making. Chapters discuss data integration into healthcare information systems and delivery to point of care for providers, as well as facilitation of direct to consumer access. A case study section highlights critical lessons learned, while another portion of the work examines biostatistical methods including data mining, predictive modelling, and analysis. This book additionally addresses organizational, technical, and business challenges in order to successfully implement a computer-aided decision-making support system in healthcare delivery.

Life and Death Decision Making - Baruch A. Brody 1988

Integrating theory with realistic case studies, this book examines the practical application of moral theory in clinical decision-making. With forty composite cases based on actual clinical experiences, the author describes key moral problems raised by modern medicine. He then demonstrates how these dilemmas can be resolved using a problem-solving framework termed pluralistic casuistry. This approach is pluralistic in that it accepts the relevance of many different moral grounds, drawn from different traditional moral theories, each of which may seem self-contained and hence in conflict with other claims. Consequently, the author stresses the need to achieve a synthesis of these traditional moral theories, rather than treating them as competitors. His approach is casuistical in the sense that it considers the important differences between the cases at issue and applies the different moral appeals in different ways. The richly detailed case studies will challenge readers, clarify the ethical issues involved, and indicate how theory and practice can be integrated. Containing a multiplicity of factors faced in clinical crises, they are ideal for group discussions concerning the ways in which theory relates to actual life-or-death situations.

Clinical Decision Analysis - Milton C. Weinstein 1980

Disease Control Priorities in Developing Countries - Dean T. Jamison 2006-04-02

Based on careful analysis of burden of disease and the costs of interventions, this second edition of 'Disease Control Priorities in Developing Countries, 2nd edition' highlights achievable priorities; measures progress toward providing efficient, equitable care; promotes cost-effective interventions to targeted populations; and encourages integrated efforts to optimize health. Nearly 500 experts - scientists, epidemiologists, health economists, academicians, and public health practitioners - from around the world contributed to the data sources and methodologies, and identified challenges and priorities, resulting in this integrated, comprehensive reference volume on the state of health in developing countries.

Ending Medicine's Chronic Dysfunction - Lawrence L Weed 2021-03-25

This book describes an overlooked solution to a long-standing problem in health

care. The problem is an informational supply chain that is unnecessarily dependent on the minds of doctors for assembling patient data and medical knowledge in clinical decision making. That supply chain function is more than the human mind can deliver. Yet, dependence on the mind is built into the traditional role of doctors, who are educated and licensed to rely heavily on personal knowledge and judgment. The culture of medicine has long been in denial of this problem, even now that health information technology is increasingly used, and even as artificial intelligence (AI) tools are emerging. AI will play an important role, but it is not a solution. The solution instead begins with traditional software techniques designed to integrate novel functionality for clinical decision support and electronic health record (EHR) tools. That functionality implements high

standards of care for managing health information. This book describes that functionality in some detail. This description is intended in part to be a starting point for developers in the open source software community, who have an opportunity to begin developing an integrated, cloud-based version of the tools described, working with interested clinicians, patients, and others. The tools grew out of work beginning more than six decades ago, when this book's lead author (deceased) originated problem lists and structured notes in medical records. The electronic tools he later developed led him to reconceive education and licensure for doctors and other health professionals, which are also part of the solution this book describes.