

# Journal BMC Medicine

Have gaps in health outcomes between the poor and better off grown? Are they larger in one country than another? Are health sector subsidies more equally distributed in some countries than others? Are health care payments more progressive in one health care financing system than another? What are catastrophic payments and how can they be measured? How far do health care payments impoverish households? Answering questions such as these requires quantitative analysis. This in turn depends on a clear understanding of how to measure key variables in the analysis, such as health outcomes, health expenditures, need, and living standards. It also

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requires set quantitative methods for measuring inequality and inequity, progressivity, catastrophic expenditures, poverty impact, and so on. This book provides an overview of the key issues that arise in the measurement of health variables and living standards, outlines and explains essential tools and methods for distributional analysis, and, using worked examples, shows how these tools and methods can be applied in the health sector. The book seeks to provide the reader with both a solid grasp of the principles underpinning distributional analysis, while at the same time offering hands-on guidance on how to move from principles to practice. In the US edition of this international bestseller, Adam Kay

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channels Henry Marsh and David Sedaris to tell us the "darkly funny" (The New Yorker) -- and sometimes horrifying -- truth about life and work in a hospital. Welcome to 97-hour weeks. Welcome to life and death decisions. Welcome to a constant tsunami of bodily fluids. Welcome to earning less than the hospital parking meter. Wave goodbye to your friends and relationships. Welcome to the life of a first-year doctor. Scribbled in secret after endless days, sleepless nights and missed weekends, comedian and former medical resident Adam Kay's *This Is Going to Hurt* provides a no-holds-barred account of his time on the front lines of medicine. Hilarious, horrifying and heartbreaking by turns, this is everything you wanted

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to know -- and more than a few things you didn't -- about life on and off the hospital ward. And yes, it may leave a scar.

Psychotic Disorders:

Comprehensive Conceptualization and Treatments emphasizes a dimensional approach to psychosis--one of the most fascinating manifestations of altered brain behavior--that cuts across a broad array of psychiatric diagnoses from schizophrenia to affective psychosis and organic disorders like epilepsy and dementias. Written by an international roster of over seventy leading experts in the field, this volume comprehensively reviews, critiques, and integrates available knowledge on the etiology, mechanisms, and treatments of

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psychotic disorders, and outlines ways forward in both research and clinical practice towards more objective, mechanistically-based definitions of psychotic disorders. Chapters address topics such as psychosis phenomenology, biomarkers and treatments, the overlaps and interfaces between psychiatric disorders within the psychosis dimension, and novel disease definitions. Furthermore, the volume incorporates findings on potential mechanisms, bridges between various system levels (i.e., genetic, epigenetic, molecular and cellular, brain circuit and function, psychological, social, environmental and cultural) and their interactions, as well as the potential role in causation and/or mediation in psychotic disorders.

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Finally, the volume outlines a broad array of treatment approaches, from the readily available (e.g., psychopharmacology, various modalities of psychotherapy) to the experimental (e.g., cognitive interventions, neuromodulation).

With a concluding section of forward perspectives conjecturing future directions and related challenges, this book aspires to stimulate new knowledge, generate novel frameworks, and carry new directions forward on psychotic disorders.

Issues in Ethics Research and Application / 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Medical Ethics. The editors have built Issues in Ethics Research and

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Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Medical Ethics in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Ethics Research and Application: 2013 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

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Environmental and Low

Temperature Geochemistry

Living Well on the Road

The Elements of Style

HIV Risk Among Youth in Kisumu,

Kenya

Shifting the Clinical Paradigm

Nutrition and Infectious Diseases

How to Implement Evidence-Based

Healthcare

*The purpose of this book is*

*to help scientists,*

*librarians and publishers*

*better understand the*

*dynamic nature of the*

*journal system so they can*

*make more informed decisions*

*regarding electronic*

*journals in the future.*

*Issues in Healthcare*

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*Communication and Information Technology: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Medical Informatics and Decision Making. The editors have built Issues in Healthcare Communication and Information Technology: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Medical Informatics and Decision Making in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative,*

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*informed, and relevant. The content of Issues in Healthcare Communication and Information Technology: 2013 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/>.*

*Health care systems worldwide are faced with the challenge of improving the quality of care. Providing evidence from health research is necessary but not sufficient for the provision of optimal care and so knowledge translation (KT), the scientific study of methods for closing the knowledge-to-action gap and of the barriers and facilitators inherent in the process, is gaining significance. Knowledge Translation in Health Care explains how to use research findings to improve health care in real life, everyday situations. The authors define and describe*

knowledge translation, and outline strategies for successful knowledge translation in practice and policy making. The book is full of examples of how knowledge translation models work in closing the gap between evidence and action. Written by a team of authors closely involved in the development of knowledge translation this unique book aims to extend understanding and implementation worldwide. It is an introductory guide to an emerging hot topic in evidence-based care and essential for health policy makers, researchers, managers, clinicians and

trainees.

*In the realm of health care, privacy protections are needed to preserve patients' dignity and prevent possible harms. Ten years ago, to address these concerns as well as set guidelines for ethical health research, Congress called for a set of federal standards now known as the HIPAA Privacy Rule. In its 2009 report, Beyond the HIPAA Privacy Rule: Enhancing Privacy, Improving Health Through Research, the Institute of Medicine's Committee on Health Research and the Privacy of Health Information concludes that the HIPAA Privacy Rule does not protect privacy as well*

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*as it should, and that it impedes important health research.*

*Prescribing Physical Activity Before and After a Cancer Diagnosis*

*Peer Review in Health Sciences*

*Translational Medicine and Drug Discovery*

*Analyzing Health Equity Using Household Survey Data Examples, Ideas and Case Studies*

*A User's Manual*

*Issues in Healthcare Communication and*

*Information Technology: 2013 Edition*

*The Elements of Style*

*William Strunk concentrated on specific questions of*

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usage—and the cultivation of good writing—with the recommendation "Make every word tell"; hence the 17th principle of composition is the simple instruction:

"Omit needless words." The book was also listed as one of the 100 best and most influential books written in English since 1923 by Time in its 2011 list.

Tomorrow's best physicians will be those who continually learn, adjust, and innovate as new information and best practices evolve, reflecting adaptive expertise in response to practice challenges. As the first volume in the American

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Medical Association's MedEd Innovation Series, The Master Adaptive Learner is an instructor-focused guide covering models for how to train and teach future clinicians who need to develop these adaptive skills and utilize them throughout their careers. Explains and clarifies the concept of a Master Adaptive Learner: a metacognitive approach to learning based on self-regulation that fosters the success and use of adaptive expertise in practice. Contains both theoretical and practical material for instructors and administrators, including guidance on how to implement

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a Master Adaptive Learner approach in today's institutions. Gives instructors the tools needed to empower students to become efficient and successful adaptive learners. Helps medical faculty and instructors address gaps in physician training and prepare new doctors to practice effectively in 21st century healthcare systems. One of the American Medical Association Change MedEd initiatives and innovations, written and edited by members of the ACE (Accelerating Change in Medical Education) Consortium - a unique,

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innovative collaborative that allows for the sharing and dissemination of groundbreaking ideas and projects.

Symptoms in the Pharmacy  
A Guide to the Management of Common Illness  
John Wiley & Sons

A pioneer of open access publishing, BMC has an evolving portfolio of high quality peer-reviewed journals including broad interest titles such as BMC Biology and BMC Medicine, specialist journals such as Malaria Journal and Microbiome, and the BMC series. Expanding beyond biomedicine into the physical sciences,

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mathematics and engineering disciplines, BMC now offers a wider portfolio of subject fields on a single open access platform. At BMC, research is always in progress. We are committed to continual innovation to better support the needs of our communities, ensuring the integrity of the research we publish, and championing the benefits of open research. BMC is part of Springer Nature. BMC Annual Report 2017. This 'Research in Progress' report aims to showcase what BMC represents. By celebrating our successes of the past year and informing you of our future plans, we

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want to show you that BMC shares the same spirit and ambition as the researchers we partner with, and that we are committed to being as forward thinking, fast paced and progressive as the communities we serve.

Principles of Regenerative Medicine

Global Burden of Disease and Risk Factors

Nutrition and Genomics

Biomimetics -- Materials, Structures and Processes

Finding What Works in Health Care

Towards Electronic Journals

How to Read a Paper

Kisumu has shown a rising HIV prevalence over the past sentinel surveillance surveys, and most

new infections are occurring among youth. We conducted a qualitative study to explore risk situations that can explain the high HIV prevalence among youth in Kisumu town, Kenya. Proceeds from the sale of this book go to support an elderly disabled person.

Environmental and Low-Temperature Geochemistry presents conceptual and quantitative principles of geochemistry in order to foster understanding of natural processes at and near the earth's surface, as well as anthropogenic impacts on the natural environment. It provides the reader with the essentials of

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concentration, speciation and reactivity of elements in soils, waters, sediments and air, drawing attention to both thermodynamic and kinetic controls. Specific features include:

- An introductory chapter that reviews basic chemical principles applied to environmental and low-temperature geochemistry
- Explanation and analysis of the importance of minerals in the environment
- Principles of aqueous geochemistry
- Organic compounds in the environment
- The role of microbes in processes such as biomineralization, elemental speciation and reduction-oxidation reactions
- Thorough coverage of the

fundamentals of important geochemical cycles (C, N, P, S) • Atmospheric chemistry • Soil geochemistry • The roles of stable isotopes in environmental analysis • Radioactive and radiogenic isotopes as environmental tracers and environmental contaminants • Principles and examples of instrumental analysis in environmental geochemistry The text concludes with a case study of surface water and groundwater contamination that includes interactions and reactions of naturally-derived inorganic substances and introduced organic compounds (fuels and solvents), and illustrates the importance of interdisciplinary analysis in

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environmental geochemistry.  
Readership: Advanced undergraduate and graduate students studying environmental/low T geochemistry as part of an earth science, environmental science or related program. Additional resources for this book can be found at: [www.wiley.com/go/ryan/geochemistry](http://www.wiley.com/go/ryan/geochemistry).  
Questions about access to scholarship have always raged. The great libraries of the past stood as arguments for increasing access. John Willinsky describes the latest chapter in this ongoing story - online open access publishing by scholarly journals and makes a case for open access as a public good.

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The global popularity of herbal supplements and the promise they hold in treating various disease states has caused an unprecedented interest in understanding the molecular basis of the biological activity of traditional remedies. Herbal Medicine: Biomolecular and Clinical Aspects focuses on presenting current scientific evidence of biomolecular ef

Standards for Systematic Reviews  
Crossing the Quality Chasm  
Knowledge Translation in Health Care  
A New Health System for the 21st Century  
A Bridge to Quality  
Health and Wellness for Travelers

Suggestions to Medical Authors  
and A.M.A. Style Book  
Cancer Immunotherapy  
Principles and Practice, from the  
Society of Immunotherapy of  
Cancer (SITC), is the  
authoritative reference on cancer  
immunobiology and the  
immunotherapy treatments that  
harness the immune system to  
combat malignant disease.  
Featuring five sections and over  
50 chapters covering the Basic  
Principles of Tumor Immunology,  
Cancer Immunotherapy Targets  
and Classes, Immune Function  
in Cancer Patients, Disease  
Specific Treatments and  
Outcomes, and Regulatory

### Aspects of Cancer

Immunotherapy, this book covers all major topics that have shaped the development of immunotherapy and propelled it to its current place at the forefront of cancer treatment innovation. This volume is a comprehensive resource for oncologists and fellows, immunologists, cancer researchers, and related practitioners seeking understanding of the basic science and clinical applications of cancer immunotherapy. As well as presenting the evidence for immune-based cancer treatment, it positions

immunotherapy in the context of other available cancer treatments and provides data on response rates, risks, and toxicities across a variety of diseases. Filled with detailed tables, and instructive illustrations, as well as key points for quick reference, *Cancer Immunotherapy Principles and Practice* simplifies a challenging and dynamic subject. Key Features: Clearly summarizes the basic principles and research supporting cancer immunotherapy clinical translation Contains expert guidance and treatment strategies for all immunotherapy

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classes and agents, including cell-based therapies, monoclonal antibodies, cytokine therapies, checkpoint inhibitors, oncolytic viruses, adjuvant approaches, and treatment combinations

Includes expert perspectives from leading authorities in the field

Provides information on all FDA-approved immunotherapies, including clinical management and outcome data

Discusses clinical aspects of immunotherapy for individual cancer types, including melanoma and other skin cancers, lung cancers, gynecologic cancers, gastrointestinal cancers,

hematologic cancers, genitourinary cancers, head and neck cancers, sarcomas, brain and other CNS cancers, breast cancer, and pediatric malignancies. Explains regulatory aspects behind the development and approval of immunotherapy drugs Includes Online Access to the Digital Book

This comprehensive and user-friendly volume focuses on the intersection between the fields of nutrition and infectious disease. It highlights the importance of nutritional status in infectious disease outcomes, and the need to recognize the role that

nutrition plays in altering the risk of exposure and susceptibility to infection, the severity of the disease, and the effectiveness of treatment. Split into four parts, section one begins with a conceptual model linking nutritional status and infectious diseases, followed by primers on nutrition and immune function, that can serve as resources for students, researchers and practitioners. Section two provides accessible overviews of major categories of pathogens and is intended to be used as antecedents of pathogen-focused subsequent chapters, as well as to serve as discrete

educational resources for students, researchers, and practitioners. The third section includes five in-depth case studies on specific infectious diseases where nutrition-infection interactions have been extensively explored: diarrheal and enteric disease, HIV and tuberculosis, arboviruses, malaria, and soil-transmitted helminths. The final section addresses cross-cutting topics such as drug-nutrient interactions, co-infections, and nutrition, infection, and climate change and then concludes by consolidating relevant clinical and public health approaches to

addressing infection in the context of nutrition, and thus providing a sharp focus on the clinical relevance of the intersection between nutrition and infection. Written by experts in the field, *Nutrition and Infectious Diseases* will be a go-to resource and guide for immunologists, clinical pathologists, sociologists, epidemiologists, nutritionists, and all health care professionals managing and treating patients with infectious diseases. This book, edited by two innovative leaders in the field, focuses on the new discipline of translational medicine as it

pertains to drug development within the pharmaceutical and biotechnology industry.

Translational medicine seeks to translate biological and molecular knowledge of disease and how drugs work into innovative development strategies that reduce the cost and increase the speed of delivering new medicines for patients. This book outlines general strategies, biomarker development, imaging tools, translational human models and examples of their application to real drug development. The latest thinking is presented by researchers from many of the

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world's leading drug development companies, including Pfizer, Merck, Eli Lilly, Abbott and Novartis, as well as academic institutions and public-private partnerships that support translational research. This book is essential for anyone interested in translational medicine from a variety of backgrounds: university institutes, medical schools, pharmaceutical companies and drug development researchers and decision-makers.

Issues in Education by Subject, Profession, and Vocation: 2013 Edition is a ScholarlyEditions™ book that delivers timely,

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authoritative, and comprehensive information about Health Education Research. The editors have built Issues in Education by Subject, Profession, and Vocation: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Health Education Research in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Education by Subject, Profession, and Vocation: 2013 Edition has been produced by the world ' s leading scientists,

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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/>.

The Basics of Evidence-based  
Medicine and Healthcare

The Master Adaptive Learner

The Access Principle

Issues in Education by Subject,  
Profession, and Vocation: 2013

Edition

This Is Going to Hurt

Radiomics and Its Clinical

Application

Porn Video Shows, Local Brew,

and Transactional Sex

Guidelines for Reporting Health

Research is a practical guide to

choosing and correctly applying the

appropriate guidelines when

reporting health research to ensure

clear, transparent, and useful

reports. This new title begins with

an introduction to reporting

guidelines and an overview of the

importance of transparent reporting,

the characteristics of good

guidelines, and how to use

reporting guidelines effectively in

reporting health research. This

hands-on manual also describes over a dozen internationally recognised published guidelines such as CONSORT, STROBE, PRISMA and STARD in a clear and easy to understand format. It aims to help researchers choose and use the correct guidelines for reporting their research, and to produce more completely and transparently reported papers which will help to ensure reports are more useful and are not misleading. Written by the authors of health research reporting guidelines, in association with the EQUATOR (Enhancing the QUALity and Transparency Of health Research) Network, Guidelines for Reporting Health Research is a helpful guide to producing

publishable research. It will be a valuable resource for researchers in their role as authors and also an important reference for editors and peer reviewers.

Precision Public Health is a new and rapidly evolving field, that examines the application of new technologies to public health policy and practice. It draws on a broad range of disciplines including genomics, spatial data, data linkage, epidemiology, health informatics, big data, predictive analytics and communications. The hope is that these new technologies will strengthen preventive health, improve access to health care, and reach disadvantaged populations in all areas of the world. But what are

the downsides and what are the risks, and how can we ensure the benefits flow to those population groups most in need, rather than simply to those individuals who can afford to pay? This is the first collection of theoretical frameworks, analyses of empirical data, and case studies to be assembled on this topic, published to stimulate debate and promote collaborative work.

"Cold Spring Harbor perspectives in medicine."

This groundbreaking book presents a unique and practical approach to the evolving field of exercise oncology - the study of physical activity in the context of cancer prevention and control. Presenting

the current state of the art, the book is sensibly divided into four thematic sections. Following an opening chapter presenting an overview and timeline of exercise oncology, the chapters comprising part I discuss primary cancer prevention, physical activity and survivorship, and the mechanisms by which these operate. Diagnosis and treatment considerations are discussed in part II, including prehabilitation, exercise during surgical recovery, infusion and radiation therapies, and treatment efficacy. Post-treatment and end-of-life care are covered in part III, including cardio-oncology, energetics and palliative care. Part IV presents behavioral, logistical

and policy-making considerations, highlighting a multidisciplinary approach to exercise oncology as well as practical matters such as reimbursement and economics.

Written and edited by experts in the field, *Exercise Oncology* will be a go-to practical resource for sports medicine clinicians, family and primary care physicians, oncologists, physical therapy and rehabilitation specialists, and all medical professionals who treat cancer patients.

*Guidelines for Reporting Health Research*

*With a Guide to Abbreviation of Bibliographic References ; for the Guidance of Authors, Editors, Compositors, and Proofreaders*

Symptoms in the Pharmacy  
Issues of Ethics, Law, Regulation  
and Communication

Secret Diaries of a Medical  
Resident

A Guide to Techniques and their  
Implementation

Comprehensive Conceptualization  
and Treatments

**The Institute of Medicine  
study Crossing the Quality  
Chasm (2001) recommended  
that an interdisciplinary  
summit be held to further  
reform of health professions  
education in order to  
enhance quality and patient  
safety. Health Professions  
Education: A Bridge to**

**Quality is the follow up to that summit, held in June 2002, where 150 participants across disciplines and occupations developed ideas about how to integrate a core set of competencies into health professions education. These core competencies include patient-centered care, interdisciplinary teams, evidence-based practice, quality improvement, and informatics. This book recommends a mix of approaches to health education improvement,**

**including those related to oversight processes, the training environment, research, public reporting, and leadership. Educators, administrators, and health professionals can use this book to help achieve an approach to education that better prepares clinicians to meet both the needs of patients and the requirements of a changing health care system. This book has established itself as the authoritative text on health sciences peer review. Contributions from the world's leading figures**

**discuss the state of peer review, question its role in the currently changing world of electronic journal publishing, and debate where it should go from here. The second edition has been thoroughly revised and new chapters added on qualitative peer review, training, consumers and innovation.**

**The rapid development of artificial intelligence technology in medical data analysis has led to the concept of radiomics. This book introduces the essential and latest**

**technologies in radiomics, such as imaging segmentation, quantitative imaging feature extraction, and machine learning methods for model construction and performance evaluation, providing invaluable guidance for the researcher entering the field. It fully describes three key aspects of radiomic clinical practice: precision diagnosis, the therapeutic effect, and prognostic evaluation, which make radiomics a powerful tool in the clinical setting. This book is a very useful**

**resource for scientists and computer engineers in machine learning and medical image analysis, scientists focusing on antineoplastic drugs, and radiologists, pathologists, oncologists, as well as surgeons wanting to understand radiomics and its potential in clinical practice. An introduction to the concepts of radiomics In-depth presentation of the core technologies and methods Summary of current radiomics research, perspective on the future of radiomics and the**

**challenges ahead An  
introduction to several  
platforms that are planned  
to be built: cooperation,  
data sharing, software, and  
application platforms  
British Medical Association  
Book Award Winner -  
President's Award of the  
Year 2018 From the author  
of the bestselling  
introduction to evidence-  
based medicine, this brand  
new title makes sense of the  
complex and confusing  
landscape of  
implementation science, the  
role of research impact, and  
how to avoid research**

**waste. How to Implement Evidence-Based Healthcare clearly and succinctly demystifies the implementation process, and explains how to successfully apply evidence-based healthcare to practice in order to ensure safe and effective practice. Written in an engaging and practical style, it includes frameworks, tools and techniques for successful implementation and behavioural change, as well as in-depth coverage and analysis of key themes and topics with a focus on:**

**Groups and teams  
Organisations Patients  
Technology Policy Networks  
and systems How to  
Implement Evidence-Based  
Healthcare is essential  
reading for students,  
clinicians and researchers  
focused on evidence-based  
medicine and healthcare,  
implementation science,  
applied healthcare research,  
and those working in public  
health, public policy, and  
management.  
Psychotic Disorders  
Health Professions  
Education  
Cancer Immunotherapy**

**Principles and Practice  
Precision Public Health  
Preventing the Next  
Pandemic  
Issues in Ethics Research  
and Application: 2013  
Edition  
BMC - Research in Progress  
*Touching on a range of  
disease, from  
leishmaniasis,  
schistosomiasis, and  
Middle East Respiratory  
Syndrome (MERS) to  
COVID-19, Preventing the  
Next Pandemic has  
always been a timely  
goal, but it will be even  
more important in a***

***COVID and post-COVID world.***

***Virtually any disease that results from malfunctioning, damaged, or failing tissues may be potentially cured through regenerative medicine therapies, by either regenerating the damaged tissues in vivo, or by growing the tissues and organs in vitro and implanting them into the patient. Principles of Regenerative Medicine discusses the latest advances in technology***

***and medicine for replacing tissues and organs damaged by disease and of developing therapies for previously untreatable conditions, such as diabetes, heart disease, liver disease, and renal failure. Key for all researchers and institutions in Stem Cell Biology, Bioengineering, and Developmental Biology The first of its kind to offer an advanced understanding of the latest technologies in regenerative medicine***

***New discoveries from leading researchers on restoration of diseased tissues and organs. Healthcare providers, consumers, researchers and policy makers are inundated with unmanageable amounts of information, including evidence from healthcare research. It has become impossible for all to have the time and resources to find, appraise and interpret this evidence and incorporate it into healthcare decisions.***

***Cochrane Reviews***

***respond to this challenge by identifying, appraising and synthesizing research-based evidence and presenting it in a standardized format, published in The Cochrane Library ([www.thecochranelibrary.com](http://www.thecochranelibrary.com)). The Cochrane Handbook for Systematic Reviews of Interventions contains methodological guidance for the preparation and maintenance of Cochrane intervention reviews. Written in a clear and accessible format, it is the essential manual for***

***all those preparing, maintaining and reading Cochrane reviews. Many of the principles and methods described here are appropriate for systematic reviews applied to other types of research and to systematic reviews of interventions undertaken by others. It is hoped therefore that this book will be invaluable to all those who want to understand the role of systematic reviews, critically appraise published reviews or***

***perform reviews themselves.***

***Required reading in many medical and healthcare institutions, How to Read a Paper is a clear and wide-ranging introduction to evidence-based medicine and healthcare, helping readers to understand its central principles, critically evaluate published data, and implement the results in practical settings. Author Trisha Greenhalgh guides readers through each fundamental step of***

***inquiry, from searching the literature to assessing methodological quality and appraising statistics. How to Read a Paper addresses the common criticisms of evidence-based healthcare, dispelling many of its myths and misconceptions, while providing a pragmatic framework for testing the validity of healthcare literature. Now in its sixth edition, this informative text includes new and expanded discussions of study bias,***

***political interference in published reports, medical statistics, big data and more. Offers user-friendly guidance on evidence-based healthcare that is applicable to both experienced and novice readers Authored by an internationally recognised practitioner and researcher in evidence-based healthcare and primary care Includes updated references, additional figures, improved checklists and more How***

***to Read a Paper is an ideal resource for healthcare students, practitioners and anyone seeking an accessible introduction to evidence-based healthcare.***

***Realities for Scientists, Librarians, and Publishers***

***Encyclopedia of Pharmacy Practice and Clinical Pharmacy***

***The Case for Open Access to Research and Scholarship***

***Cochrane Handbook for Systematic Reviews of Interventions***

***Enhancing Privacy,  
Improving Health  
Through Research  
Herbal Medicine  
Biomolecular and Clinical  
Aspects, Second Edition***

Encyclopedia of Pharmacy Practice and Clinical Pharmacy covers definitions, concepts, methods, theories and applications of clinical pharmacy and pharmacy practice. It highlights why and how this field has a significant impact on healthcare. The work brings baseline knowledge, along with the latest, most cutting-edge research. In addition, new treatments, algorithms, standard treatment guidelines, and pharmacotherapies regarding

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diseases and disorders are also covered. The book's main focus lies on the pharmacy practice side, covering pharmacy practice research, pharmacovigilance, pharmacoconomics, social and administrative pharmacy, public health pharmacy, pharmaceutical systems research, the future of pharmacy, and new interventional models of pharmaceutical care. By providing concise expositions on a broad range of topics, this book is an excellent resource for those seeking information beyond their specific areas of expertise. This outstanding reference is essential for anyone involved in the study of pharmacy practice. Provides a 'one-stop' resource for access to information written by world-leading scholars in the field

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Meticulously organized, with articles split into three clear sections, it is the ideal resource for students, researchers and professionals to find relevant information. Contains concise and accessible chapters that are ideal as an authoritative introduction for non-specialists and readers from the undergraduate level upwards. Includes multimedia options, such as hyperlinked references and further readings, cross-references and videos. 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

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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

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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. Nutrigenomics is the rapidly developing field of science that studies nutrient-gene interaction. This field has broad implications for understanding the interaction of human genomics and nutrition, but can also have very specific implications for individual dietary recommendations in light of

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personal genetics. Predicted applications for nutrigenomics include genomics-based dietary guidelines and personalized nutrition based on individual genetic tests. These developments have sweeping ethical, legal and regulatory implications for individuals, corporations and governments. This book brings together experts in ethics, law, regulatory analysis, and communication studies to identify and address relevant issues in the emerging field of nutritional genomics. Contributing authors are experts in the social aspects of biotechnology innovation, with expertise in nutrigenomics. From addressing the concern that nutrigenomics will transform food into medicine

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and undermine pleasures associated with eating to the latest in the science of nutrigenomics, this book provides a world-wide perspective on the potential impact of nutrigenomics on our association with food.

\*Explores the rapidly developing, yet not fully understood, impact of nutrigenomics on the relationship to food medicalization, genetic privacy, nutrition and health. \*Provides ground for further exploration to identify issues and provide analysis to aid in policy and regulation development \*Provides ethical and legal insights into this unfolding science, as well as serving as a model for thinking about issues arising in other fields of science and technology

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A practical and evidence-based guide for student, pre-registration and qualified pharmacists. Symptoms in the Pharmacy is an indispensable guide to the management of common symptoms seen in the pharmacy. With advice from an author team that includes both pharmacists and GPs, the book covers ailments which will be encountered in the pharmacy on a daily basis. Now in its sixth edition Symptoms in the Pharmacy has been fully revised to reflect the latest evidence and availability of new medicines. There are new sections and case studies for 'POM' to 'P' switches including chloramphenicol, sumatriptan, diclofenac, naproxen and amorolfine. This edition features

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colour photographs of skin conditions for the first time enabling the differentiation and diagnosis of common complaints. The public health and illness prevention content have been expanded to support this increasingly important aspect of the pharmacist's work. The book is designed for quick and easy reference with separate chapters for each ailment. Each chapter incorporates a decision-making framework in which the information necessary for treatment and suggestions on 'when to refer' is distilled into helpful summary boxes. At the end of each chapter there are example case studies providing the view of pharmacists, doctors and patients for most conditions

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covered. These easy-to-follow-chapters can be read cover to cover or turned to for quickreference. This useful guide should be kept close at hand forfrequent consultation.  
Vaccine Diplomacy in a Time of Anti-science

Exercise Oncology  
Artificial Intelligence and Medical Big Data  
Moving from Evidence to Practice  
Annual Review,  
A Guide to the Management of Common Illness  
The book presents an outline of current activities in the field of biomimetics and integrates a variety of applications

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comprising biophysics, surface sciences, architecture and medicine. Biomimetics as innovation method is characterised by interdisciplinary information transfer from the life sciences to technical application fields aiming at increased performance, functionality and energy efficiency. The contributions of the book relate to the research areas: - Materials and structures in nanotechnology and biomaterials - Biomimetic approaches to develop new forms, construction

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principles and design methods in architecture - Information and dynamics in automation, neuroinformatics and biomechanics Readers will be informed about the latest research approaches and results in biomimetics with examples ranging from bionic nano-membranes to function-targeted design of tribological surfaces and the translation of natural auditory coding strategies.

Strategic health planning, the cornerstone of initiatives designed to achieve health improvement

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goals around the world, requires an understanding of the comparative burden of diseases and injuries, their corresponding risk factors and the likely effects of intervention options. The Global Burden of Disease framework, originally published in 1990, has been widely adopted as the preferred method for health accounting and has become the standard to guide the setting of health research priorities. This publication sets out an updated assessment of the situation, with an

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analysis of trends observed since 1990 and a chapter on the sensitivity of GBD estimates to various sources of uncertainty in methods and data.

Stressed out? Eating badly? Skipping the gym? Sleeping with your phone rather than your partner? Experiencing brain fog and lack of focus? Then this book is for you. Linden Schaffer was an overworked, stressed out, on-the-go professional who found time to refocus, recharge, and recommit to wellness on the road. Now

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she is sharing her secrets, identifying the obstacles that keep you from experiencing true wellness and, with scientifically backed-data, showing how you too can learn to embrace wellness. Learn what it feels like to recommit to the things that help us feel more energized, more focused, and more mindful of those activities in which we engage. Living Well on the Road helps readers to identify those areas of life that need recharging, and brings greater awareness to those

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in search of a way to find wellness, happiness, and overall well-being even as they move through their busy days. Whether on the road, in the office, or at home, any reader can find ways to dramatically improve their mental focus and physical wellness if they implement the ideas and advice found within these pages. In *Living Well on the Road*, readers will find: a practical real-world approach to understanding and managing your wellness a researched and scientifically investigated how-to manual

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that encourages a healthier way to manage your lifestyle personal accounts of how small changes can lead to major positive life changes easy to implement tactics proven to reduce stress and sick days increased productivity and creativity through refocused attention feel-good experiences that take 5-minutes and release the stress and tension of your workday from body and mind Healthcare decision makers in search of reliable information that compares health interventions

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increasingly turn to systematic reviews for the best summary of the evidence. Systematic reviews identify, select, assess, and synthesize the findings of similar but separate studies, and can help clarify what is known and not known about the potential benefits and harms of drugs, devices, and other healthcare services. Systematic reviews can be helpful for clinicians who want to integrate research findings into their daily practices, for patients to make well-informed choices

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about their own care, for professional medical societies and other organizations that develop clinical practice guidelines. Too often systematic reviews are of uncertain or poor quality. There are no universally accepted standards for developing systematic reviews leading to variability in how conflicts of interest and biases are handled, how evidence is appraised, and the overall scientific rigor of the process. In *Finding What Works in Health Care* the Institute

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of Medicine (IOM) recommends 21 standards for developing high-quality systematic reviews of comparative effectiveness research. The standards address the entire systematic review process from the initial steps of formulating the topic and building the review team to producing a detailed final report that synthesizes what the evidence shows and where knowledge gaps remain. Finding What Works in Health Care also proposes a framework for improving the quality of the science

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underpinning systematic reviews. This book will serve as a vital resource for both sponsors and producers of systematic reviews of comparative effectiveness research.

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