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KEY=ANALYSIS - OSBORNE MCCANN

Applied Methods of Cost-effectiveness Analysis in Healthcare [Oxford University Press](#) This book provides the reader with a comprehensive set of instructions and examples of how to perform an economic evaluation of a health intervention, focusing solely on cost-effectiveness analysis in healthcare. **Applied Methods of Cost-Benefit Analysis in Health Care** [Oxford University Press](#) This book provides a comprehensive set of instructions and examples of how to perform a cost-benefit analysis (CBA) of a health intervention, with a particular focus on the use of stated preference survey methods to identify consumer preference data and the use of recent developments in cost-effectiveness analysis within a CBA framework. **Applied Methods of Cost-effectiveness Analysis in Health Care Applied Methods of Cost-Effectiveness Analysis in Healthcare** [CreateSpace](#) Thought-provoking and accessible in approach, this updated and expanded second edition of the **Applied Methods of Cost-effectiveness Analysis in Healthcare** (Handbooks in Health provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for advanced graduate-level students. We hope you find this book useful in shaping your future career. Feel free to send us your enquiries related to our publications to info@risepress.pw **Rise Press Cost-Effectiveness Analysis in Health A Practical Approach** [John Wiley & Sons](#) The field's bestselling reference, updated with the latest tools, data, techniques, and the latest recommendations from the Second Panel on Cost-Effectiveness in Health and Medicine **Cost-Effectiveness Analysis in Health** is a practical introduction to the tools, methods, and procedures used worldwide to perform cost-effective research. Covering every aspect of a complete cost-effectiveness analysis, this book shows you how to find which data you need, where to find it, how to analyze it, and how to prepare a high-quality report for publication. Designed for the classroom or the individual learner, the material is presented in simple and accessible language for those who lack a biostatistics or epidemiology background, and each chapter includes real-world examples and "tips and tricks" that highlight key information. Exercises throughout allow you to test your understanding with practical application, and the companion website features downloadable data sets for students, as well as lecture slides and a test bank for instructors. This new third edition contains new discussion on meta-analysis and advanced modeling techniques, a long worked example using visual modeling software TreeAge Pro, and updated recommendations from the U.S. Public Health Service's Panel on Cost-Effectiveness in Health and Medicine. This is the second printing of the 3rd Edition, which has been corrected and revised for 2018 to reflect the latest standards and methods. Cost-effectiveness analysis is used to evaluate medical interventions worldwide, in both developed and developing countries. This book provides process-specific instruction in a concise, structured format to give you a robust working knowledge of common methods and techniques. **Develop a thoroughly fleshed-out research project Work accurately with costs, probabilities, and models Calculate life expectancy and quality-adjusted life years Prepare your study and your data for publication Comprehensive analysis skills are essential for students seeking careers in public health, medicine, biomedical research, health economics, health policy, and more. Cost-Effectiveness Analysis in Health** walks you through the process from a real-world perspective to help you build a skillset that's immediately applicable in the field. **Distributional Cost-Effectiveness Analysis Quantifying Health Equity Impacts and Trade-Offs** [Oxford University Press, USA](#) Health inequalities blight lives, generate enormous costs, and exist everywhere. This book is the definitive all-in-one guide for anyone who wishes to learn about, commission, and use distributional cost-effectiveness analysis to promote both equity and efficiency in health and healthcare. **Cost-Effectiveness in Health and Medicine** [Oxford University Press](#) A COMPLETE UPDATE AND REVISION OF THE CLASSIC TEXT "At last, a manual of operations for comparing the cost-effectiveness of a preventive service with a treatment intervention." --American Journal of Preventive Medicine Twenty years after the first edition of COST-EFFECTIVENESS IN HEALTH AND MEDICINE established the practical benchmark for cost-effectiveness analysis, this completely revised edition of the classic text provides an essential resource to a new generation of practitioners, students, researchers, and policymakers. Produced by the Second Panel on Cost-Effectiveness in Health and Medicine--a team of 13 experts from fields including decision science, economics, ethics, psychology, and medicine--this new edition is a comprehensive guide to the use of cost-effectiveness analysis as an evaluative tool at the institutional and policy levels. As health care systems face increasing pressure to derive maximum value from expenditures, the guidelines in this new text represent not just the best information available, but a vital guide to health care decision-making in a challenging new era. Completely revised and enriched with examples and expanded coverage, this second edition of COST-EFFECTIVENESS IN HEALTH AND MEDICINE builds on its predecessor's excellence, offering required reading for both analysts and decision makers. **Cost-Effectiveness Analysis Methods and Applications** [SAGE Publications](#) This Second Edition of Cost-Effectiveness Analysis continues to provide the most current, step-by-step guide to planning and implementing a cost analysis study. Henry M. Levin and Patrick J. McEwan use detailed and varied examples from studies and articles, ranging from education to public health, to introduce the principles and practice of cost-effectiveness analysis. The authors take account of both the costs and the effects of selecting alternatives, and suggest methods of minimizing the costs of research. New to this edition: expanded coverage of cost effectiveness from types of technique to use, to how to interpret the data; the latest information on cost benefits analysis and how to relate it to outcome measures; in-depth chapter-end exercises to enable readers to sharpen their ability to evaluate policy options and program effectiveness; feedback appendix for readers to evaluate their responses to exercises; comprehensive bibliography of methodological sources on cost analysis and educational settings grouped by category. This thorough volume primes the reader to deal with any evaluation situation by studying cost-effective analysis in relation to cost-benefit analysis, cost-utility analysis, and cost-feasibility analysis. **Applied Health Economics for Public Health Practice and Research** [Oxford University Press](#) In today's world of scarce resources, determining the optimal allocation of funds to preventive health care interventions (PHIs) is a challenge. The upfront investments needed must be viewed as long term projects, the benefits of which we will experience in the future. The long term positive change to PHIs from economic investment can be seen across multiple sectors such as health care, education, employment and beyond. **Applied Health Economics for Public Health Practice and Research** is the fifth in the series of Handbooks in Health Economic Evaluation. It presents new research on health economics methodology and application to the evaluation of public health interventions. Looking at traditional as well as novel methods of economic evaluation, the book covers the history of economics of public health and the economic rationale for government investment in prevention. In addition, it looks at principles of health economics, evidence synthesis, key methods of economic evaluation with accompanying case studies, and much more. Looking to the future, **Applied Health Economics for Public Health Practice and Research** presents priorities for research in the field of public health economics. It acknowledges the role played by natural environment in promoting better health, and the place of genetics, environment and socioeconomic status in determining population health. Ideal for health economists, public health researchers, local government workers, health care professionals, and those responsible for health policy development. **Applied Health Economics for Public Health Practice and Research** is an important contribution to the economic discussion of public health and resource allocation. **Bayesian Cost-Effectiveness Analysis of Medical Treatments** [CRC Press](#) Cost-effectiveness analysis is becoming an increasingly important tool for decision making in the health systems. **Cost-Effectiveness of Medical Treatments** formulates the cost-effectiveness analysis as a statistical decision problem, identifies the sources of uncertainty of the problem, and gives an overview of the frequentist and Bayesian statistical approaches for decision making. Basic notions on decision theory such as space of decisions, space of nature, utility function of a decision and optimal decisions, are explained in detail using easy to read mathematics. **Features** Focuses on cost-effectiveness analysis as a statistical decision problem and applies the well-established optimal statistical decision methodology. Discusses utility functions for cost-effectiveness analysis. Enlarges the class of models typically used in cost-effectiveness analysis with the incorporation of linear models to account for covariates of the patients. This permits the formulation of the group (or subgroup) theory. Provides Bayesian procedures to account for model uncertainty in variable selection for linear models and in clustering for models for heterogeneous data. Model uncertainty in cost-effectiveness analysis has not been considered in the literature. Illustrates examples with real data. In order to facilitate the practical implementation of real datasets, provides the codes in Mathematica for the proposed methodology. The motivation for the book is to make the achievements in cost-effectiveness analysis accessible to health providers, who need to make optimal decisions, to the practitioners and to the students of health sciences. Elías Moreno is Professor of Statistics and Operational Research at the University of Granada, Spain, Corresponding Member of the Royal Academy of Sciences of Spain, and elect member of ISI. Francisco José Vázquez-Polo is Professor of Mathematics and Bayesian Methods at the University of Las Palmas de Gran Canaria, and Head of the Department of Quantitative Methods. Miguel Ángel Negrín is Senior Lecturer in the Department of Quantitative Methods at the ULPGC. His main research topics are Bayesian methods applied to Health Economics, economic evaluation and cost-effectiveness analysis, meta-analysis and equity in the provision of healthcare services. **Decision Modelling for Health Economic Evaluation** [Oxford University Press, USA](#) This is a practical guide to the use of modelling techniques, starting with the basics of constructing different forms of model, the population of the model with input parameter estimates, analysis of the results, and progression to the holistic view of models as a tool to inform future research exercises. Key techniques and approaches are discussed, and a comprehensive set of example exercises take the reader through how to conduct decision-analytic modelling. These exercises are supported with templates and solutions made available via the book website. -- **BOOK JACKET. Economic Evaluation in Clinical Trials** [OUP Oxford](#) It is becoming increasingly important to examine the relationship between the outcomes of a clinical trial and the costs of the medical therapy under study. The results of such analysis can affect reimbursement decisions for new medical technologies, drugs, devices or diagnostics. It can aid companies seeking to make claims about the cost-effectiveness of their product, as well as allowing early consideration of the economic value of therapies which may be important to improving initial adoption decisions. It is also vital for addressing the requirements of regulatory bodies. **Economic Evaluation in Clinical Trials** provides practical advice on how to conduct cost-effectiveness analyses in controlled trials of medical therapies.

This new edition has been extensively rewritten and revised; topics discussed range from design issues such as the types of services that should be measured and price weights, to assessment of quality-adjusted life years. Illustrative materials, case histories and worked examples are included to encourage the reader to apply the methods discussed. These exercises are supported with datasets, programmes and solutions made available online. *Economic Evaluation in Education Cost-Effectiveness and Benefit-Cost Analysis* [SAGE Publications](#) The past decade has seen increased attention to cost-effectiveness and benefit-cost analysis in education as administrators are being asked to accomplish more with the same or even fewer resources, philanthropists are keen to calculate their "return on investment" in social programs, and the general public is increasingly scrutinizing how resources are allocated to schools and colleges. *Economic Evaluation in Education: Cost-Effectiveness and Benefit-Cost Analysis* (titled *Cost-Effectiveness Analysis: Methods and Applications* in its previous editions) is the only full-length book to provide readers with the step-by-step methods they need to plan and implement a benefit-cost analysis in education. Authors Henry M. Levin, Patrick J. McEwan, Clive Belfield, Alyshia Brooks Bowden, and Robert Shand examine a range of issues, including how to identify, measure, and distribute costs; how to measure effectiveness, utility, and benefits; and how to incorporate cost evaluations into the decision-making process. The updates to the Third Edition reflect the considerable methodological development in the evaluation literature, and the greater empiricism practiced by education researchers, to help readers learn to apply more advanced methods to their own analyses. *Cost-Effectiveness Analysis in Health A Practical Approach* [John Wiley & Sons](#) This new third edition contains new discussion on meta-analysis and advanced modeling techniques, a long worked example using visual modeling software TreeAge Pro, and updated recommendations from the U.S. Public Health Service's Panel on Cost-Effectiveness in Health and Medicine. Cost-effectiveness analysis is used to evaluate medical interventions worldwide, in both developed and developing countries. This book provides process-specific instruction in a concise, structured format to give you a robust working knowledge of common methods and techniques. Develop a thoroughly fleshed-out research project Work accurately with costs, probabilities, and models Calculate life expectancy and quality-adjusted life years Prepare your study and your data for publication Comprehensive analysis skills are essential for students seeking careers in public health, medicine, biomedical research, health economics, health policy, and more. *The Guide to Community Preventive Services What Works to Promote Health?* [Oxford University Press](#) The gold standard for evidence-based public health, *The Guide to Community Preventive Services* is a primary resource to improve health and prevent disease in states, communities, independent, nonfederal Task Force on Community Preventive Services, *The Guide* uses comprehensive systemic review methods to evaluate population-oriented health interventions. The recommendations of the Task Force are explicitly linked to the scientific evidence developed during systematic reviews. This volume examines the effectiveness and efficiency of interventions to combat such risky behaviors as tobacco use, physical inactivity, and violence; to reduce the impact and suffering of specific conditions such as cancer, diabetes, vaccine-preventable diseases, and motor vehicle injuries; and to address social determinants of health such as education, housing, and access to care. The chapters are grouped into three broad categories: changing risk behaviors; reducing specific diseases, injuries, and impairments; and methodological background for the book itself. *Prevention Effectiveness A Guide to Decision Analysis and Economic Evaluation* [Oxford University Press](#) As public accountability has increased and resources have become scarcer, public health, like clinical medicine, has been forced to re-examine the benefits and costs of its activities. Decision and economic analysis are basic tools in carrying out that mission. These methods have become standard practice in clinical medicine and health services research. This book, now in its second edition, was written in an effort to apply and adapt that experience with public health situations. The book was originally written to introduce Centers for Disease Control and Prevention staff to the concepts of decision and economic analysis, to provide guidance on methods to maximize comparability of studies, and to provide access to frequently used reference information. It has been adapted to meet the needs of scientists and managers in state and local health departments and managed care organizations as well as students in schools of public health and clinicians for an introductory text --a text that shows how these methods can be applied in population-based practice, to facilitate better comparability of studies, and to solidify understanding of the scientific basis for use of these tools in decision making. Decision makers will learn how these studies are conducted so they can be critical consumers-- understanding the strengths and limitations- and apply findings to policy and practice. The second edition updates and expands upon the standard methodology for conducting prevention effectiveness analyses. Each chapter has been revised or re-written. The chapters on measuring effectiveness, decision analysis, and making information useful for decision makers as well as several appendices are entirely new. *Cost-Effectiveness Analysis Methods and Applications* [SAGE](#) This Second Edition of *Cost-Effectiveness Analysis* continues to provide the most current, step-by-step guide to planning and implementing a cost analysis study. Henry M. Levin and Patrick J. McEwan use detailed and varied examples from studies and articles, ranging from education to public health, to introduce the principles and practice of cost-effectiveness analysis. The authors take account of both the costs and the effects of selecting alternatives, and suggest methods of minimizing the costs of research. New to this edition: expanded coverage of cost effectiveness from types of technique to use, to how to interpret the data; the latest information on cost benefits analysis and how to relate it to outcome measures; in-depth chapter-end exercises to enable readers to sharpen their ability to evaluate policy options and program effectiveness; feedback appendix for readers to evaluate their responses to exercises; comprehensive bibliography of methodological sources on cost analysis and educational settings grouped by category. This thorough volume primes the reader to deal with any evaluation situation by studying cost-effective analysis in relation to cost-benefit analysis, cost-utility analysis, and cost-feasibility analysis. *Health System Efficiency How to Make Measurement Matter for Policy and Management* [Health Policy](#) In this book the authors explore the state of the art on efficiency measurement in health systems and international experts offer insights into the pitfalls and potential associated with various measurement techniques. The authors show that: - The core idea of efficiency is easy to understand in principle - maximizing valued outputs relative to inputs, but is often difficult to make operational in real-life situations - There have been numerous advances in data collection and availability, as well as innovative methodological approaches that give valuable insights into how efficiently health care is delivered - Our simple analytical framework can facilitate the development and interpretation of efficiency indicators. *Bayesian Cost-Effectiveness Analysis with the R package BCEA* [Springer](#) The book provides a description of the process of health economic evaluation and modelling for cost-effectiveness analysis, particularly from the perspective of a Bayesian statistical approach. Some relevant theory and introductory concepts are presented using practical examples and two running case studies. The book also describes in detail how to perform health economic evaluations using the R package BCEA (Bayesian Cost-Effectiveness Analysis). BCEA can be used to post-process the results of a Bayesian cost-effectiveness model and perform advanced analyses producing standardised and highly customisable outputs. It presents all the features of the package, including its many functions and their practical application, as well as its user-friendly web interface. The book is a valuable resource for statisticians and practitioners working in the field of health economics wanting to simplify and standardise their workflow, for example in the preparation of dossiers in support of marketing authorisation, or academic and scientific publications. *Economic Evaluation in Health Care Merging Theory with Practice* [Oxford University Press, USA](#) "To accompany *Methods for Economic Evaluation of Health Care Programmes 2e*', this book is a thorough and rigorous discussion of the methodological principles and recent advances in the field of theory and practice of economic evaluation in health care."--publisher website. *Bayesian Cost-Effectiveness Analysis of Medical Treatments* [CRC Press](#) Cost-effectiveness analysis is becoming an increasingly important tool for decision making in the health systems. *Cost-Effectiveness of Medical Treatments* formulates the cost-effectiveness analysis as a statistical decision problem, identifies the sources of uncertainty of the problem, and gives an overview of the frequentist and Bayesian statistical approaches for decision making. Basic notions on decision theory such as space of decisions, space of nature, utility function of a decision and optimal decisions, are explained in detail using easy to read mathematics. Features Focuses on cost-effectiveness analysis as a statistical decision problem and applies the well-established optimal statistical decision methodology. Discusses utility functions for cost-effectiveness analysis. Enlarges the class of models typically used in cost-effectiveness analysis with the incorporation of linear models to account for covariates of the patients. This permits the formulation of the group (or subgroup) theory. Provides Bayesian procedures to account for model uncertainty in variable selection for linear models and in clustering for models for heterogeneous data. Model uncertainty in cost-effectiveness analysis has not been considered in the literature. Illustrates examples with real data. 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His main research topics are Bayesian methods applied to Health Economics, economic evaluation and cost-effectiveness analysis, meta-analysis and equity in the provision of healthcare services. *Cost-Benefit Analysis and the Environment Further Developments and Policy Use Further Developments and Policy Use* [OECD Publishing](#) This book explores recent developments in environmental cost-benefit analysis (CBA). This is defined as the application of CBA to projects or policies that have the deliberate aim of environmental improvement or are actions that affect, in some way, the natural environment as an indirect consequence *Cost-benefit Analysis and Health Care Evaluations* [Edward Elgar Publishing](#) Professor Brent's book is a superb and much-needed text in the field of health care evaluation. The economic approaches for appraisal of health care programs are presented with greater clarity than any other available text. A comprehensive review of cost-minimization, cost-effectiveness analysis, cost utility analysis, and cost benefit analysis is given in a simple and yet very insightful manner that pointedly demonstrates their fundamental principles, methodological requirements, and common linkages for evaluation research. The book skilfully merges theory and application of the economic analyses of health care, combining the latest literature with adroit illustrations of required methodologies and easily understandable examples that inform the reader of how empirical evaluation research should be conducted. Major evaluation concerns about the appropriateness of discounting health benefits, the appropriate discount (interest) rate, and intangible benefits and costs are critically appraised. Not only is the criterion of economic efficiency of health care programs explored directly and with lucidity, but the important social question of the equity of health interventions is also assessed straightforwardly. Students of health care as well as health policy analysts and administrators are provided with a considerable solid foundation for undertaking evaluation of complex health care issues. In short, Professor Brent has even made the economics of health care evaluation accessible to non-economists in the health care field. Paul L. Solano, University of Delaware, US Cost benefit analysis is the only method of economic evaluation which can effectively indicate whether a health care treatment or intervention is worthwhile. This book attempts to build a bridge between cost benefit analysis, as developed by economists, and the health care evaluation literature which relies on other evaluation approaches such as cost-minimization, cost-effectiveness analysis and cost utility analysis. Robert Brent explains the many different ways in which these other valuation techniques can be converted into cost benefit analysis and examines both the traditional (human capital) and modern (willingness to pay) approaches. Case studies are used throughout to explain and illustrate the various methodologies being examined. The author follows an applied economics approach, in which methods and ideas are evaluated according to practicability and not according to their theoretical purity. Ultimately, he resolves a number of disputes and makes some new, but subtle, contributions by reinterpreting, correcting and extending existing work. The book covers the topic in an accessible manner, from the foundations to the frontiers of the field, and clearly explains all the necessary economic principles along the way. *Cost Benefit Analysis and Health Care Evaluations* will be invaluable to students and researchers of economics, public policy and health care policy, as well as policymakers and health care practitioners. It can also be used as a comprehensive introductory text by anyone

with an interest in cost benefit analysis. Disease Control Priorities, Third Edition (Volume 9) Improving Health and Reducing Poverty [World Bank Publications](#) As the culminating volume in the DCP3 series, volume 9 will provide an overview of DCP3 findings and methods, a summary of messages and substantive lessons to be taken from DCP3, and a further discussion of cross-cutting and synthesizing topics across the first eight volumes. The introductory chapters (1-3) in this volume take as their starting point the elements of the Essential Packages presented in the overview chapters of each volume. First, the chapter on intersectoral policy priorities for health includes fiscal and intersectoral policies and assembles a subset of the population policies and applies strict criteria for a low-income setting in order to propose a "highest-priority" essential package. Second, the chapter on packages of care and delivery platforms for universal health coverage (UHC) includes health sector interventions, primarily clinical and public health services, and uses the same approach to propose a highest priority package of interventions and policies that meet similar criteria, provides cost estimates, and describes a pathway to UHC. Occupational Outlook Handbook Field Trials of Health Interventions A Toolbox [Oxford University Press, USA](#) Before new interventions can be used in disease control programmes, it is essential that they are carefully evaluated in "field trials", which may be complex and expensive undertakings. Descriptions of the detailed procedures and methods used in trials that have been conducted in the past have generally not been published. As a consequence, those planning such trials have few guidelines available and little access to previously accumulated knowledge. In this book the practical issues of trial design and conduct are discussed fully and in sufficient detail for the text to be used as a "toolbox" by field investigators. The toolbox has now been extensively tested through use of the first two editions and this third edition is a comprehensive revision, incorporating the many developments that have taken place with respect to trials since 1996 and involving more than 30 contributors. Most of the chapters have been extensively revised and 7 new chapters have been added. Design & Analysis of Clinical Trials for Economic Evaluation & Reimbursement An Applied Approach Using SAS & STATA [CRC Press](#) Economic evaluation has become an essential component of clinical trial design to show that new treatments and technologies offer value to payers in various healthcare systems. Although many books exist that address the theoretical or practical aspects of cost-effectiveness analysis, this book differentiates itself from the competition by detailing Methods for the Economic Evaluation of Health Care Programmes [Oxford University Press, USA](#) Since its publication in 1987, Methods for the economic evaluation of health care programmes has become the standard textbook in this field world-wide. Over the past ten years, the field of economic evaluation in health care has expanded considerably, with a rapid rise in the number of published studies, and wider recognition of their use in health care decision-making. Developments in economic evaluation have also led to the publication of several guidelines for study methodology, most recently those proposed by the United States Public Health Services Panel. The new edition of Methods for the economic evaluation of health care programmes follows the same basic structure as the first edition. The key methodological principles are outlined using a critical appraisal checklist that can be applied to any published study. The methodological features of the basic forms of analysis (cost analysis, cost-effectiveness analysis, cost-utility analysis, and cost-benefit analysis) are then explained in more detail. The book has been greatly revised and enlarged, especially with respect to cost-utility and cost-benefit analysis, where major methodological developments have taken place. New to this edition are chapters on collecting and analysing data, and presenting and using economic evaluation results. The new edition will be required reading for anyone commissioning, undertaking, or using economic evaluations in health care, and will be popular with health service professionals, health economists, and health-care decision makers. Reviews of the first edition: 'An important contribution to studies on the economic evaluation of medical care...' (British Medical Journal) 'This is essential reading. Only if all managers are aware of the powers of economic techniques will they be used sensibly' (The Health Service Journal (UK)) 'The methodological chapters on cost analysis and cost utility analysis are gems... should become the standard text on the subject at the intermediate level at which it is aimed.' (Medical Decision Making) 'It leaves nothing important in economic evaluation analysis untouched.' (Health Policy and Planning) Secondary Analysis of Electronic Health Records [Springer](#) This book trains the next generation of scientists representing different disciplines to leverage the data generated during routine patient care. It formulates a more complete lexicon of evidence-based recommendations and support shared, ethical decision making by doctors with their patients. Diagnostic and therapeutic technologies continue to evolve rapidly, and both individual practitioners and clinical teams face increasingly complex ethical decisions. Unfortunately, the current state of medical knowledge does not provide the guidance to make the majority of clinical decisions on the basis of evidence. The present research infrastructure is inefficient and frequently produces unreliable results that cannot be replicated. Even randomized controlled trials (RCTs), the traditional gold standards of the research reliability hierarchy, are not without limitations. They can be costly, labor intensive, and slow, and can return results that are seldom generalizable to every patient population. Furthermore, many pertinent but unresolved clinical and medical systems issues do not seem to have attracted the interest of the research enterprise, which has come to focus instead on cellular and molecular investigations and single-agent (e.g., a drug or device) effects. For clinicians, the end result is a bit of a "data desert" when it comes to making decisions. The new research infrastructure proposed in this book will help the medical profession to make ethically sound and well informed decisions for their patients. Meta-Analysis, Decision Analysis, and Cost-Effectiveness Analysis Methods for Quantitative Synthesis in Medicine [OUP USA](#) Public health and in health policy courses at the undergraduate and graduate level. Statistical Analysis of Cost-Effectiveness Data [John Wiley & Sons](#) The statistical analysis of cost-effectiveness data is becoming increasingly important within health and medical research. Statistical Analysis of Cost-Effectiveness Data provides a practical book that synthesises the huge amount of research that has taken place in the area over the last two decades. Comprising an up-to-date overview of the statistical analysis of cost-effectiveness data, the book is supported by numerous worked examples from the author's own experience. It has been written in a style suitable for medical statisticians and health care professionals alike. Key features include: an overview of statistical methods used in the analysis of cost-effectiveness data. coverage of Bayesian methodology. illustrated throughout by worked examples using real data. suitability for health care professionals with limited statistical knowledge. discussion of software used for data analysis. An essential reference for biostatisticians and health economists engaged in cost-effectiveness analysis of health-care interventions, both in academia and industry. Also of interest to graduate students of biostatistics, public health and economics. Valuing Health for Regulatory Cost-Effectiveness Analysis [National Academies Press](#) Promoting human health and safety by reducing exposures to risks and harms through regulatory interventions is among the most important responsibilities of the government. Such efforts encompass a wide array of activities in many different contexts: improving air and water quality; safeguarding the food supply; reducing the risk of injury on the job, in transportation, and from consumer products; and minimizing exposure to toxic chemicals. Estimating the magnitude of the expected health and longevity benefits and reductions in mortality, morbidity, and injury risks helps policy makers decide whether particular interventions merit the expected costs associated with achieving these benefits and inform their choices among alternative strategies. Valuing Health for Regulatory Cost-Effectiveness Analysis provides useful recommendations for how to measure health-related quality of-life impacts for diverse public health, safety, and environmental regulations. Public decision makers, regulatory analysts, scholars, and students in the field will find this an essential review text. It will become a standard reference for all government agencies and those consultants and contractors who support the work of regulatory programs. Economic Evaluation in Genomic Medicine [Academic Press](#) Economic Evaluation in Genomic Medicine introduces health economics and economic evaluation to genomic clinicians and researchers, while also introducing the topic to health economists. Each chapter includes an executive summary, questions, and case studies, along with supplementary online materials, including process guides, maps, flow charts, diagrams, and economic evaluation spreadsheets to enhance the learning process. The text can easily be used as course material for related graduate and undergraduate courses, providing a succinct overview of the existing, state-of-the-art application of economic evaluation to genomic healthcare and precision medicine. Interrelates economic evaluation and genomic medicine Instructs healthcare professionals and bioscientists about economic evaluation in genomic medicine Teaches health economists about application of economic evaluation in genomic medicine Introduces health economics and economic evaluation to clinicians and researchers involved in genomics Includes process guides, maps, flow charts and diagrams Handbook of EHealth Evaluation An Evidence-Based Approach To order please visit <https://onlineacademiccommunity.uvic.ca/press/books/ordering/> Cost-Effectiveness in Health and Medicine [Oxford University Press](#) A unique, in-depth discussion of the uses and conduct of cost-effectiveness analyses (CEAs) as decision-making aids in the health and medical fields, this volume is the product of over two years of comprehensive research and deliberation by a multi-disciplinary panel of economists, ethicists, psychometricians, and clinicians. Exploring cost-effectiveness in the context of societal decision-making for resource allocation purposes, this volume proposes that analysts include a "reference-case" analysis in all CEAs designed to inform resource allocation and puts forth the most explicit set of guidelines (together with their rationale) ever defined on the conduct of CEAs. Important theoretical and practical issues encountered in measuring costs and effectiveness, evaluating outcomes, discounting, and dealing with uncertainty are examined in separate chapters. Additional chapters on framing and reporting of CEAs elucidate the purpose of the analysis and the effective communication of its findings. Cost-Effectiveness in Health and Medicine differs from the available literature in several key aspects. Most importantly, it represents a consensus on standard methods--a feature integral to a CEA, whose principal goal is to permit comparisons of the costs and health outcomes of alternative ways of improving health. The detailed level at which the discussion is offered is another major distinction of this book, since guidelines in journal literature and in CEA-related books tend to be rather general--to the extent that the analyst is left with little guidance on specific matters. The focused overview of the theoretical background underlying areas of controversy and of methodological alternatives, and, finally, the accessible writing style make this volume a top choice on the reading lists of analysts in medicine and public health who wish to improve practice and comparability of CEAs. The book will also appeal to decision-makers in government, managed care, and industry who wish to consider the uses and limitations of CEAs. Distributional Cost-Effectiveness Analysis Quantifying Health Equity Impacts and Trade-Offs [Oxford University Press](#) Distributional cost-effectiveness analysis aims to help health care and public health organisations make fairer decisions with better outcomes. Whereas standard cost-effectiveness analysis provides information about total costs and effects, distributional cost-effectiveness analysis provides additional information about fairness in the distribution of costs and effects - who gains, who loses, and by how much. It can also provide information about the trade-offs that sometimes occur between efficiency objectives, such as improving total health, and equity objectives, such as reducing unfair inequality in health. This is a practical guide to a flexible suite of economic methods for quantifying the equity consequences of health programmes in high-, middle- and low-income countries. The methods can be tailored and combined in various ways to provide useful information to different decision-makers in different countries with different distributional equity concerns. The handbook is primarily aimed at postgraduate students and analysts specialising in cost-effectiveness analysis but is also accessible to a broader audience of health sector academics, practitioners, managers, policymakers and stakeholders. As well as offering an overview for research commissioners, users, and producers, the book includes systematic technical guidance on how to simulate and evaluate distributions, with accompanying hands-on spreadsheet training exercises, and discussions about how to handle uncertainty about facts and disagreement about values, and the future challenges facing this young and rapidly evolving field of study. Business Chemistry Practical Magic for Crafting Powerful Work Relationships [John Wiley & Sons](#) A guide to putting cognitive diversity to work Ever wonder what it is that makes two people click or clash? Or why some groups excel while others fumble? Or how you, as a leader, can make or break team potential? Business Chemistry holds the answers. Based on extensive research and analytics, plus years of proven success in the field, the Business Chemistry framework provides a simple yet powerful way to identify meaningful differences between people's working styles. Who seeks possibilities and who seeks stability? Who values challenge and who values connection? Business Chemistry will help you grasp where others are coming from, appreciate the value they bring, and determine what they need in order to excel. It offers practical ways to be more effective as an individual and as a leader. Imagine you had a more in-

depth understanding of yourself and why you thrive in some work environments and flounder in others. Suppose you had a clearer view on what to do about it so that you could always perform at your best. Imagine you had more insight into what makes people tick and what ticks them off, how some interactions unlock potential while others shut people down. Suppose you could gain people's trust, influence them, motivate them, and get the very most out of your work relationships. Imagine you knew how to create a work environment where all types of people excel, even if they have conflicting perspectives, preferences and needs. Suppose you could activate the potential benefits of diversity on your teams and in your organizations, improving collaboration to achieve the group's collective potential. *Business Chemistry* offers all of this--you don't have to leave it up to chance, and you shouldn't. Let this book guide you in creating great chemistry! *Economic Evaluation in Education Cost-Effectiveness and Benefit-Cost Analysis* [SAGE Publications](#) The past decade has seen increased attention to cost-effectiveness and benefit-cost analysis in education as administrators are being asked to accomplish more with the same or even fewer resources, philanthropists are keen to calculate their "return on investment" in social programs, and the general public is increasingly scrutinizing how resources are allocated to schools and colleges. This text (titled *Cost-Effectiveness Analysis* in its previous editions) is the only full-length book to provide readers with the step-by-step methods they need to plan and implement a benefit-cost analysis in education. The authors examine a range of issues, including how to identify, measure, and distribute costs; how to measure effectiveness, utility, and benefits; and how to incorporate cost evaluations into the decision-making process. The updates to the Third Edition reflect the considerable methodological development in the evaluation literature, and the greater empiricism practiced by education researchers, to help readers learn to apply more advanced methods to their own analyses. SAGE congratulates author Henry M. Levin, winner of the 2017 AERA Distinguished Contributions to Research in Education Award. *Encyclopedia of Health Economics* [Newnes](#) The *Encyclopedia of Health Economics* offers students, researchers and policymakers objective and detailed empirical analysis and clear reviews of current theories and policies. It helps practitioners such as health care managers and planners by providing accessible overviews into the broad field of health economics, including the economics of designing health service finance and delivery and the economics of public and population health. This encyclopedia provides an organized overview of this diverse field, providing one trusted source for up-to-date research and analysis of this highly charged and fast-moving subject area. Features research-driven articles that are objective, better-crafted, and more detailed than is currently available in journals and handbooks Combines insights and scholarship across the breadth of health economics, where theory and empirical work increasingly come from non-economists Provides overviews of key policies, theories and programs in easy-to-understand language *Defining the Value of Medical Interventions Normative and Empirical Challenges* [Kohlhammer Verlag](#) Defining the value in health care and elaborating appropriate value-propositions for health care beneficiaries poses numerous empirical and normative challenges. Different methods of Health Technology Assessments (HTAs) embedded in various interdisciplinary approaches of defining the value of health care have been established in recent years. Current initiatives aim to develop and combine transnational attempts to define an overall acceptable range for value-based healthcare interventions. In this book international scholars with background in medicine, philosophy, health-economics and further disciplines, who participated in an interdisciplinary conference in 2019 combine in-depth analyses with reflections informed by multidisciplinary debates on a pressing issue in healthcare.