Cost-Effectiveness Analysis in Health Care

Bayesian Cost-Effectiveness Analysis of Medical Treatments:

- The core idea of efficiency is easy to understand in principle, but difficult to make operational in real-life situations.

- Our simple analytical framework can facilitate the development and interpretation of efficiency indicators.

Cost-Effectiveness Analysis in Health Technology:

- The second edition of Handbook of Practical Program Evaluation offers managers, analysts, consultants, and educators in government, nonprofit, and private institutions a valuable resource that outlines efficient and economical methods for assessing program results and identifying ways to improve program performance.

- The Handbook has been thoroughly revised. Many new chapters have been prepared for this edition, including chapters on logic modeling and evaluation applications for small nonprofit organizations.

- The Handbook of Practical Program Evaluation is a comprehensive resource on evaluation, covering both in-depth program evaluations and performance monitoring.

- It presents evaluation methods that will be useful at all levels of government and in nonprofit organizations.

Bayesian Cost-Effectiveness Analysis of Medical Treatments:

- Despite the pharmaceutical industry's notable contributions to human progress, including the development of miracle drugs for treating cancer, AIDS, and heart disease, there is a growing tension between the industry and the public.

- Government officials and social critics have questioned whether the multibillion-dollar industry is fulfilling its social responsibilities.

- This doubt has been fueled by the national debate over drug pricing and affordable healthcare, and by the battles against epidemic diseases, such as AIDS, in the developing world.

- Debates are raging over how the industry can and should be expected to act.

- The contributions in this book by leading figures in industry, government, NGOs, the medical community, and academia discuss and propose solutions to the ethical dilemmas of drug industry behavior.

- They examine such aspects as the role of intellectual property rights and patent protection, the moral and economic requisites of research and clinical trials, drug pricing, and marketing.

Ethics and the Pharmaceutical Industry:

- 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's designed to inform resource allocation and puts forth the most explicit set of guidelines together with their rationale. The Handbook of Practical Program Evaluation is a comprehensive resource on evaluation, covering both in-depth program evaluations and performance monitoring.

- It presents evaluation methods that will be useful at all levels of government and in nonprofit organizations.

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human health. Taking a practical approach, the book provides a step-by-step approach to assigning a monetary value to the health benefits and disbenefits arising from interventions, using environmental information and epidemiological evidence. It summarizes environmental risk factors and explores how to interpret and understand epidemiological data using concentration-response, exposure-response or dose-response techniques, explaining the environmental interventions available for each environmental risk factor. It evaluates in detail two of the most challenging stages of Cost-Benefit Analysis in ‘discounting’ and ‘accounting for uncertainty’. Further chapters describe how to analyze and critique results, evaluate potential alternatives to Cost-Benefit Analysis, and on how to engage with stakeholders to communicate the results of Cost-Benefit Analysis. The book includes a detailed case study how to conduct a Cost-Benefit Analysis. It is supported by an online website providing solution files and detailing the design of models using Excel. Provides a clear understanding of the core theory of cost-benefit analysis in environmental health interventions. Provides practical guidance using real-world case studies to motivate and expand understanding. Describes the challenging ‘discounting’ and ‘accounting for uncertainty’ problems at chapter length. Supported by a practical case study, online solution files, and a practical guide to the design of CBA models using Excel.

Cost-Effectiveness Modelling for Health Technology Assessment 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.

Applied Methods of Cost-Benefit Analysis in Health Care

Cost-Effectiveness Analysis This second edition of Cost-Effectiveness Analysis in Health reviews issues and methods of assessing healthcare technologies and related programs. It emphasizes methods to perform economic evaluations, such as cost-effectiveness and cost-benefit analysis; methods to assess efficacy, effectiveness, and safety of health care technologies; effectiveness research; and applications to clinical and public policy. The book provides in-depth discussion of the uses and conducting of cost-effectiveness analyses (CEAs) as decision-making aids in public health, health services, and medicine. It explores cost-effectiveness in the context of societal decision making for resource allocation purposes. Chapter topics include: Defining and explaining cost-effectiveness, principles of cost-effectiveness analysis, how to develop a research project, working with costs, probabilities and models, calculating life expectancy, working with health-related quality of life measures, calculating quality-adjusted life years, conducting a sensitivity analysis, preparing your study for publication, working with data, and finding the data you need. For instructors, data sets and other ancillary materials are freely available at http://www.pceo.org."

The Implications of Cost-effectiveness Analysis of Medical Technology 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 technologies, 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 skill set that's immediately applicable in the field.

Cost-effectiveness in Health and Medicine

Cost-effectiveness analysis in health care This book provides an introduction to decision analytic cost-effectiveness modelling, giving the theoretical and practical knowledge required to design and implement analyses that meet the methodological standards of health technology assessment organisations. The book guides you through building a decision tree and Markov model and, importantly, shows how the results of cost-effectiveness analyses are interpreted. Given the complex nature of cost-effectiveness modelling and the often unfamiliar language that runs alongside it, we wanted to make this book as accessible as possible whilst still providing a comprehensive, in-depth, practical guide that reflects the state of the art – that includes the most recent developments in cost-effectiveness modelling. Although the nature of cost-effectiveness modelling means that some parts are inevitably quite technical, across the 13 chapters we have broken down explanations of theory and methods into bite-sized pieces that you can work through at your own pace. We have provided explanations of terms and methods as we use them. Importantly, the exercises and online workbooks allow you to test your skills and understanding as you go along.

Bayesian Cost-Effectiveness Analysis with the R package BCEA. 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. A key 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.

Cost-Benefit Analysis of Environmental Health Interventions 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.

Disease Control Priorities, Third Edition (Volume 9) "The Guide, in Part I, begins with a brief description of generalized CEA and how it relates to the two questions raised above. It then considers issues relating to study design, estimating costs, assessing health effects, discounting, uncertainty and sensitivity analysis, and reporting results. Detailed discussions of selected technical issues and applications are provided in a series of background papers, originally published in journals, but included in this book for easy reference in Part II." (from the back cover).

Distributional Cost-Effectiveness Analysis 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.

Cost-Effectiveness in Health and Medicine America’s health care system has become too complex and costly to continue business as usual. Best Care at Lower Cost explains that inefficiencies, an overwhelming amount of data, and other economic and quality barriers hinder progress in improving health and threaten the nation’s economic stability and global competitiveness. According to this report, the knowledge and tools exist to put the health system on the right course to achieve continuous improvement and better quality care at a lower cost. The costs of the system’s current inefficiency underscore the urgent need for a systemwide transformation. About 30 percent of health spending in 2009—roughly $750 billion—was wasted on unnecessary services, excessive administrative costs, fraud, and other problems. Moreover, inefficiencies cause needless suffering. By one estimate, roughly 75,000 deaths might have been averted in 2005 if every state had delivered care at the quality level of the best performing state. This report states that the way health care providers currently train, practice, and learn new information cannot keep pace with the flood of research discoveries and technological advances. About 75 million Americans have more than one chronic condition, requiring coordination among multiple specialists and therapies, which can increase the potential for miscommunication, misdiagnosis, potentially conflicting interventions, and dangerous drug interactions. Best Care at Lower Cost emphasizes that a better use of data is a critical element of a continuously improving health system, such as mobile technologies and electronic health records that offer significant potential to capture and share health data better. In order for this to occur, the National Coordinator for Health Information Technology, IT developers, and standard-setting organizations should ensure that these systems are robust and interoperable. Clinicians and care organizations should fully adopt these technologies, and patients should be encouraged to use tools, such as personal health information portals, to actively engage in their care. This book is a call to action that will guide health care providers; administrators; caregivers; policy makers; health professionals; federal, state, and local government agencies; private and public health organizations; and educational institutions.

Cost-Effectiveness Analysis in Health A illuminating and timely synthesis of methodological and clinical studies showing how medical costs can be established, how the value of clinical outcomes can be assessed, and how difficult choices can be rationally made. The methodological chapters review the conceptual and practical issues involved in estimating and interpreting health care costs, making health status and utility assessments, and statistically analyzing cost-effectiveness and clinical trials. The clinical chapters apply these methods to the major clinical areas of cardiology—primary prevention of coronary artery disease, acute coronary syndromes, angioplasty vs coronary bypass surgery, CABG vs medicine, congestive heart failure, arrhythmias, and cardiac surgery. Additional chapters consider the use of economic studies for policy purposes and the future of Medicare under a balanced budget in an aging America.

Cost-Effectiveness in Health and Medicine 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.

The Implications of Cost-Effectiveness Analysis of Medical Technology This second edition of Cost Effectiveness Analysis in Health Care reviews issues and methods of assessing health care technologies and related programs. It emphasizes methods to perform economic evaluations, such as cost-effectiveness and cost-benefit analysis; methods to assess efficacy, effectiveness, and safety of health care technologies; effectiveness research; and applications to clinical and public policy. The book provides in-depth discussion of the uses and conducting of cost-effectiveness analyses (CEAs) as decision-making aids in public health, health services, and medicine. It explores cost-effectiveness in the context of societal decision making for resource allocation purposes. Chapter topics include: Defining and explaining cost-effectiveness, principles of cost-effectiveness analysis, how to develop a research project, working with costs, probabilities and models, calculating life expectancy, working with health-related quality of life measures, calculating quality-adjusted life years, conducting a sensitivity analysis, preparing your study for publication, working with data, and finding the data you need. "For instructors, data sets and other ancillary materials are freely available at http://www.pceo.org/"

Cost Analysis in Primary Health Care

Valuing Health for Regulatory Cost-Effectiveness Analysis Much evidence suggests that the US does not achieve good value for its health care spending. This book provides a unique perspective on this problem by considering the economic, social, political, and ethical factors that contribute to it, and by seeking to show how experience can guide better policy making in the future.

Cost-benefit and Cost-effectiveness Analysis in Health Care 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 skillfully 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.

Using Cost-effectiveness Analysis to Improve Health Care 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.

Cost and Cost-effectiveness Analysis of Health Intervention 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.
Best Care at Lower Cost

Cardiovascular Health Care Economics

Applying Cost Analysis to Public Health Programs

Disease Control Priorities, Third Edition (Volume 4) 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.

Cost-Effectiveness Analysis in Health

The Implications of Cost-effectiveness Analysis of Medical Technology: Background Paper #2 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: 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.

Prevention Effectiveness 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 Angel 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.

The Implications of Cost-effectiveness Analysis of Medical Technology: 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.


Statistical Analysis of Cost-Effectiveness Data Cost-effectiveness in health and medicine presents a consensus of experts on appropriate methods for standardizing the conduct of CEA s for use in policy arenas. Standardization is of particular importance for CEA, because it allows comparisons of the costs and health outcomes of alternative methods of improving health, such as public health programs and medical technologies. The book provides a detailed discussion of the theoretical background underlying areas of controversy, and uses theory to guide explicit recommendations for study conduct.

Economic Evaluation in Clinical Trials

Cost-benefit Analysis and Health Care Evaluations This manual is designed to provide primary health care program managers with guidance on how to use cost analysis and cost-effectiveness analysis as tools to achieve better understanding and management of resource flows. Although it has been prepared primarily for program managers at national, regional, and district levels, other health professionals can learn from it through a short training course or by individual study. Part A introduces unit financial costs and provides a first look at the effectiveness of health services, in six modules: what costs are, using cost data, planning the study, calculating costs, measuring effectiveness, and calculating unit financial costs. Part B covers other kinds of costs and compares costs and effectiveness estimates. Topics of the three modules as follows: measuring and using economic costs, household costs, and cost-effectiveness analysis. In part C, several important uses of cost and cost-effectiveness data for planning and management are discussed and illustrated. Future costs, financial analysis, and managerial efficiency are the topics of the three modules. A set of exercises to be used with the individual modules follow. Appendices contain the following: annualization factors; 10 resources for further reading, including guidelines and methods and case studies; and an index. (YLB)

Applied Methods of Cost-effectiveness Analysis in Healthcare 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.

Making Choices in Health Bibliografi, usa. The substance and structure of the text follow the book's title: Principles, practice and potential. Chapter 1 provides background on the nature, magnitude, and causes of the health care cost problem, concluding with a discussion of the cost containment ideas and activities. Chapter 2 introduces the reader to cba-cea, discussing the chapter closes with some recent developments indicating the current intensity of interest in cba-cea in both health professional and policy circles. Chapter 3, on principles, presents the methodology of cba-cea. Chapter 4, on practice, examines the health care cba-cea literature by presenting our empirical analysis of trends in the growth and character of the literature, identifying substantive topics of interest. Chapter 5, on potential, evaluates the health policy uses and future usefulness of cba-cea.

Secondary Analysis of Electronic Health Records Mental, neurological, and substance use disorders are common, highly disabling, and associated with significant premature mortality. The impact of these disorders on the social and economic well-being of individuals, families, and societies is large, growing, and underestimated. Despite this burden, these disorders have been systematically neglected, particularly in low- and middle-income countries, with pitifully small contributions to scaling up cost-effective prevention and treatment strategies. Systematically compiling the substantial existing knowledge to address this inequity is the central goal of this volume. This evidence-base can help policy makers in resource-constrained settings as they prioritize programs and interventions to address these disorders.

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