Cost Effectiveness And Benefit Analysis

Using Cost-effectiveness Analysis to Improve Health Care

Cost-benefit and Cost Effectiveness Analysis

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.

Handbook of Practical Program Evaluation

This book, which was first published in 1972, is not a collection of case-studies in cost-benefit analysis, of which there had been already several in use employing techniques of varying degrees of sophistication. Nor is it a manual of instruction with particular orientation for less developed countries, such as those produced under the auspices of the U.N. and the O.E.C.D. What this volume does attempt is to introduce the student of economics to the logic and the concepts used in cost-benefit analysis.

Cost-Effectiveness Analysis in Health

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 actions that affect, in some way, the natural environment as an indirect consequence.

Applied Methods of Cost-effectiveness Analysis in Healthcare

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.

National Applications of Cost-effectiveness and Cost-benefit Analysis

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 care interventions is also assessed straightforwardly. Students of health care as well as health policy analysis and administrators are provided with a considerable solid foundation for undertaking evaluation of complex health care issues. In short, Professor Brent has made the economics of health care evaluation accessible to non-economists in the health care field. Paul L. Soloman, University of Delaware. (CBA) is defined as the application of CBA to policies or actions that have the deliberate aim of environmental improvement or actions that affect, in some way, the natural environment as an indirect consequence. 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 actions that affect, in some way, the natural environment as an indirect consequence. 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 actions that affect, in some way, the natural environment as an indirect consequence. 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 actions that affect, in some way, the natural environment as an indirect consequence.
This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. A practical introduction to cost-benefit analysis through problem solving. This authoritative, market-leading text is known for its consistent application of a nine-step framework for conducting or interpreting a cost-benefit analysis. This edition includes a number of chapters that have been revised and reorganized to make the material cleaner and more accessible.

**Applied Methods of Cost-Benefit Analysis in Health Care**

The Implications of Cost-effectiveness Analysis of Medical Technology

“A comprehensive and authoritative introduction to cost-benefit analysis that aims to be readable and user-friendly.

Cost Benefit, Cost Effectiveness Analysis

“The Guide, in Part I, begins with a brief description of generalized CBA 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).

Cost-effectiveness: Technical report

In times of economic recession, cost-effectiveness and business evaluation assume a very important role in resource planning. All business ventures discover the need to maximize the utility of their limited supply of funds. Here, Levin introduces to administrators and evaluators alike the principles of cost benefit, cost effectiveness analysis.

Cost-benefit Analysis and Health Care Evaluations

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 internationally 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.

Valuing Health Care

Cost-effectiveness

Cost-benefit analysis (CBA) is the systematic and analytical process of comparing benefits and costs in evaluating the desirability of a project or program, often of a social nature and for society as a whole. CBA is fundamental to government decision-making and can be an effective tool for informed decisions on the use of society’s scarce resources. This book highlights the main concepts and principles of cost-benefit analysis used in real-life cases and actual applications. The book contains rich case studies and real-life CBA applications with emphasis both on physical and non-physical projects and infrastructural and beyond. The book also discusses techniques frequently used in applied CBA. The first part of the book introduces the key concepts and principles of CBA before Part Two covers some pertinent issues relating to CBA, such as the recent trend of using behavioral economics and frequent use techniques in applied CBA. Finally, in Part Three, case studies are written up to illustrate how CBA is done, and questions for the reader and students to ponder are raised at the end of each chapter. The scope of the case studies is more than just physical infrastructures but will include public sector policies and programs covering a host of social policies as in health, education, social welfare programmes, and the environment. For each case, there will be illustrations of the key concepts and principles of CBA used. Undertakings analyzed include: the Three Gorges Dam in China the 2008 Beijing Olympics the Costs of Global Warming the Jamuna Bridge in Bangladesh. The case studies, many of which have taken or are to take place in developing countries provide a rich background to the principles and method of the method, and are accompanied by a wealth of explanatory material. As well as being suitable for courses in Cost-Benefit Analysis, Public Finance, Environmental and Health Economics, the book should be of interest to all public policy decision makers and planners.

Guide for Cost-effectiveness and Cost-benefit Analysis of State and Local Ground Water Protection Programs

Military Cost-Benefit Analysis

Papers describing the state of the art in cost benefit and cost effectiveness analysis.

Cost-Benefit Analysis

Cost-effectiveness in Health and Medicine

Cost-benefit analysis of Environmental Health Interventions clearly articulates the core principles and fundamental methodologies underlying the modern economic assessment of environmental intervention on human health. Taking a practical approach, the book provides a step-by-step approach to assigning a monetary value to the 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: (i) 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.

Distributinal Cost-Effectiveness Analysis

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-effectiveness 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.

Cost-benefit Analysis Sample 2

This is the first comprehensive book on Military Cost-Benefit Analysis and provides novel approaches to constructing cost-benefit analysis and affordability analysis amidst an uncertain defense environment and closely fiscal prospects. Lifting the veil on military Cost-Benefit Analysis, this volume offers several new practical tools designed to guide defense investments (and divestments), combined with a selection of real-world applications. The widespread employment of Cost-Benefit Analysis offers a unique opportunity to transform legacy defense forces into efficient, effective, and accountable 21st century organizations. A synthesis of economics, statistics and decision theory, CBA is currently used in a wide range of defense applications in countries around the world: (i) to shape national security strategy, (ii) to set acquisition policy, and (iii) to inform critical investments in people, equipment, infrastructure, services and supplies. As sovereign debt challenges aquestrate national budgets, and emerging threats disrupt traditional notions of security, this volume offers valuable tools to navigate the political landscape, meet calls for fiscal accountability, and boost the effectiveness of defense investments to help guarantee future peace and stability. A valuable resource for scholars, practitioners, novices and experts, this book offers a comprehensive overview of Military Cost-Benefit Analysis and will appeal to anyone interested or involved in improving national security, and will also be of general interest to those responsible for major government programs, projects or policies.

Health System Efficiency
Elements of Cost-Benefit Analysis (Routledge Revivals)

The aim of Cost-Benefit Analysis for Developing Countries is to interpret, expand and evaluate the principles of project appraisal using the approach recommended by the World Bank. Robert Brent challenges a number of their findings, particularly through the inclusion of the 'numbers effect', the number of people affected by a development project, as a separate social objective. The book is based on a combination of sound economic theory and extensive empirical research, and case studies are used throughout to illustrate the theory. The author analyses, from an applied perspective, the most recent developments in project appraisal. Cost-Benefit Analysis for Developing Countries will be essential reading for students with an interest in development economics, development studies, public policy and comparative economic systems as well as policy makers and practitioners in international organisations and developing countries.

Cost-Benefit Analysis

The Implications of Cost-effectiveness Analysis of Medical Technology

A unique presentation of the basics that are needed to understand cost-benefit analysis and put it to immediate use.

A Guide for Cost-effectiveness and Cost-benefit Analysis of State and Local Ground Water Protection Programs

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 put 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—so the extent that the analysis 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.

Making Choices in Health

Economic Evaluation in Education

Cost-effectiveness

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 Analysis and the Environment Recent Developments

The benefits of flushing were found to closely parallel the objectives: Increased customer satisfaction, compliance with drinking water standards, avoidance of water quality fees and fines, maintenance of pipe infrastructure, and discovery of system problems. Four cost categories were studied (1) financial (tangible) costs to the utility, (2) financial (tangible) costs to the customers, (3) intangible costs to the utility, and (4) intangible costs to the customers. Utilizing one or more methods of flushing, several elements were needed in order to be effective: preplanning, having a detailed approach, proper scheduling, and ample public notification. Details of all aspects are covered in this report.

Ethics and the Pharmaceutical Industry

Cost-effectiveness and Cost-benefit Analysis in Information Science

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.

Cost-Benefit Analysis

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.

Cost and Benefit Analysis of Flushing

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.

Cost-effectiveness and Cost-benefit Analysis of Air Quality Regulations

Cost-Benefit Analysis and the Environment Further Developments and Policy Use