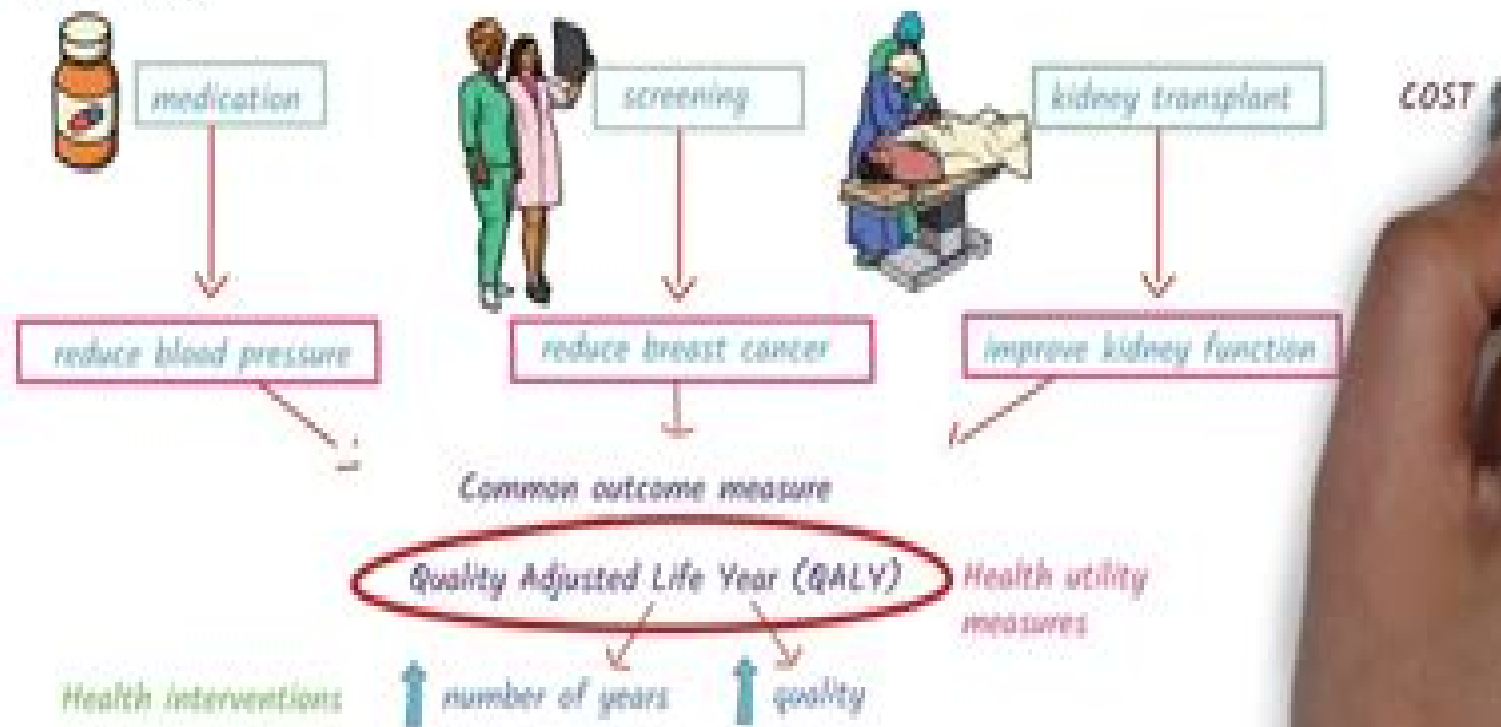


# Health Economic Evaluation

## 3. Cost utility



# Economic Evaluation Of Health Care Interventions

**Michael Seilmaier**



## **Economic Evaluation Of Health Care Interventions:**

**Economic Evaluation** Julia Fox-Rushby, John Cairns, 2005-11-16 There are so many ways in which health might be improved today and as technology improves the opportunities will increase However there are limits to budgets as well as other resources so choices have to be made about what to spend money and time on Economic evaluation can help set out the value of the costs and benefits from competing choices This book examines how to undertake economic evaluation of health care interventions in low middle and high income countries It covers Ways in which economic evaluations might be structured Approaches to measuring and valuing costs and effects Interpreting and presenting evidence Appraising the quality and usefulness of economic evaluations Series Editors Rosalind Plowman and Nicki Thorogood **Essentials of Economic Evaluation in Healthcare** Rachel Elliott, Katherine Payne, 2005 This book is an introduction to economic evaluation for those with little or no knowledge of economics or health economics Essentials of Economic Evaluation in Healthcare gives an overview of economic issues specific to healthcare and describes the main types of economic evaluation cost effectiveness cost utility and cost benefit analysis The use of decision analysis to design and carry out economic evaluations is discussed Preferred statistical methods for handling costs current approaches to dealing with uncertainty and quantifying patient preferences using discrete choice experiments are explained Each chapter contains worked examples and questions With increasing pressure on national healthcare budgets all healthcare professionals should have a basic understanding of the finite nature of healthcare resources and the need to make choices between treatments based on a cost benefit comparison This book will be invaluable to pharmacists and pharmacy students as well as to other healthcare professionals researchers and managers publisher website [Methods for the Economic Evaluation of Health Care Programmes](#) Michael Drummond, 2015 This highly successful textbook is now in its fourth edition and has been extensively updated in order to keep pace with the considerable advances in theory and practice in recent years **Measuring and Valuing Health Benefits for Economic Evaluation** John Brazier, Julie Ratcliffe, Joshua Salomon, Aki Tsuchiya, 2016-11-10 There are not enough resources in health care systems around the world to fund all technically feasible and potentially beneficial health care interventions Difficult choices have to be made and economic evaluation offers a systematic and transparent process for informing such choices A key component of economic evaluation is how to value the benefits of health care in a way that permits comparison between health care interventions such as through costs per quality adjusted life years QALY Measuring and Valuing Health Benefits for Economic Evaluation examines the measurement and valuation of health benefits reviews the explosion of theoretical and empirical work in the field and explores an area of research that continues to be a major source of debate It addresses the key questions in the field including the definition of health the techniques of valuation who should provide the values techniques for modelling health state values the appropriateness of tools in children and vulnerable groups cross cultural issues and the problem of choosing the right instrument This new

edition contains updated empirical examples and practical applications which help to clarify the readers understanding of real world contexts It features a glossary containing the common terms used by practitioners and has been updated to cover new measures of health and wellbeing such as ICECAP ASCOT and AQOL It takes into account new research into the social weighting of a QALY the rising use of ordinal valuation techniques use of the internet to collect data and the use of health state utility values in cost effectiveness models This is an ideal resource for anyone wishing to gain a specialised understanding of health benefit measurement in economic evaluation especially those working in the fields of health economics public sector economics pharmacoeconomics health services research public health and quality of life research

Economic Evaluation of Healthcare Interventions Pizzi,2005      *Economic Evaluation in Health Care* Michael

Drummond,M. F. Drummond,Alistair McGuire,2001 To accompany the hugely successful *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 rapidly advancing field of theory and practice of economic evaluation in health care Written by an internationally acclaimed group of authors the book provides an in depth discussion of the latest theoretical advances and gives comprehensive reviews of the available literature The book covers the main areas of economic evaluation including the methods for measuring costs and outcomes the collection of data alongside clinical studies ways of handling uncertainty discounting and issues relating to the transferability of economic data      **Discounting in the Economic Evaluation of**

**Health Care** M. Krahn,A. Gafni,McMaster University. Centre for Health Economics and Policy Analysis, CHEPA,1992

**Economic Evaluation in Healthcare** Gordon Mallarkey,1999 The purpose of economic evaluations in healthcare is to affect decision making So how do you determine the best use of scarce resources in terms of benefits gained from expenditures The purpose of this book is to review the methods of economic evaluation and how they may be used optimally and with practical results It includes review articles on familiar analytical tools opinion papers on areas of contention and guidelines on how to apply and analyse economics tools methods and models      **Methods for the Economic Evaluation of Health Care Programmes** M. F. Drummond,2005 This highly successful textbook is now available in its third edition Over the years it has become the standard textbook in the field world wide It mirrors the huge expansion of the field of economic evaluation in health care since the last edition was published in 1997 This new edition builds on the strengths of previous editions being clearly written in a style accessible to a wide readership 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 are then explained in more detail with special emphasis of the latest views on productivity costs the characterisation of uncertainty and the concept of net benefit The book has been greatly revised and expanded especially concerning analysing patient level data and decision analytic modelling There is discussion of new methodological approaches including cost effectiveness acceptability curves net benefit regression probabilistic sensitivity analysis and value of information analysis

There is an expanded chapter on the use of economic evaluation including discussion of the use of cost effectiveness thresholds equity considerations and the transferability of economic data This new edition is required reading for anyone commissioning undertaking or using economic evaluations in health care and will be popular with health service professionals health economists pharmacand health care decision makers It is especially relevant for those taking pharmacoeconomics courses

**Cost-benefit Analysis and Health Care Evaluations** Robert J. Brent, 2004-01-01

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      **Economic Evaluation in U.S. Health Care** Laura Pizzi, Jennifer Lofland, 2006 Economic Evaluation in U S Health Care provides an overview of the methodologies that can be applied to both drug and non drug interventions The text addresses the perspectives of different stakeholders involved in the application of economic evaluation in the U S including manufacturers health plans and the government in order to give students a thorough understanding of how methods are applied to decision making and health policy The authors provide case studies for students to apply methods to real life situations      **Handling Uncertainty when Performing Economic Evaluation of Healthcare Interventions** A. H. Briggs, Alastair Gray, NHS R & D HTA Programme (Great Britain), National Co-ordinating Centre for HTA (Great Britain), Great Britain. Standing Group on Health Technology, NHS R & D HTA Programme (Great Britain). Commissioning Board, 1999      Opportunity Costs and Uncertainty in the Economic Evaluation of Health Care Interventions P. Sendi, A. Gafni, S. Birch, McMaster University. Centre For Health Economics and Policy Analysis, 2000      Decision Modelling for Health Economic Evaluation Andrew Briggs, Mark Sculpher, Karl Claxton, 2006-08-18 In financially constrained health systems across the world increasing emphasis is being placed on the ability to demonstrate that health care interventions are not only effective but also cost effective This book deals with decision modelling techniques that can be used to estimate the value for money of various interventions including medical devices surgical procedures diagnostic technologies and pharmaceuticals Particular emphasis is placed on the importance of the appropriate representation of uncertainty in the evaluative process and the implication this uncertainty has for decision making and the need for future research This highly practical guide takes the reader through the key principles and approaches of modelling techniques It begins with the basics of constructing different forms of the model the population of the model with input parameter estimates analysis of the results and progression to the holistic view of models as a valuable tool for informing future research exercises Case studies and exercises are supported with online templates and solutions This book will help analysts understand the contribution of decision analytic modelling to the evaluation of health care programmes ABOUT THE SERIES Economic evaluation of health interventions is a growing specialist field and this series of practical handbooks will tackle in depth topics superficially addressed in more general health economics books Each volume will include illustrative material case histories and worked examples to encourage the reader to apply the methods discussed with supporting material provided online This series is aimed at health economists in academia the pharmaceutical industry and the health sector those on advanced health economics courses and health researchers in associated fields      *The Practice of Discounting Economic Evaluation of Health Care Interventions* Dave Smith, Hugh Gravelle, University of York. Centre for Health Economics, 2000      *Economic Evaluation of Interventions for Occupational Health and Safety* Emile Tompa, Anthony J Culyer, Roman Dolinschi, 2008-08-21 Undertaking economic evaluations of workplace based occupational health and safety interventions can be difficult reflected by the significant lack of literature evidence and guidance on the

subject Particular difficulties include complex labour legislation differences in the perception of health risks associated with work experiences amongst workplace parties and policy makers the burden of costs and consequences being borne by different stakeholders in the system conflicting incentives and priorities between the multiple stakeholders lack of consensus about what ought to count as a benefit or cost of intervening or not intervening multiple providers of indemnity and medical care coverage and industry specific human resources practices making it difficult to identify all work related illnesses and injuries In addition most health economics methods books are designed for use in a clinical setting which cannot be adapted for the workplace setting In the face of such barriers it is not surprising that few studies of occupational health and safety interventions contain an economic evaluation This book aims to lay the foundations for a systematic methodology of economic evaluation of workplace interventions by identifying the main barriers to research of high quality and practical relevance and proposing a research strategy to remedy these weaknesses Context chapters provide a wealth of background material ranging from a presentation of the broad conceptualization of work and health to suggestions for strategies in confronting the dearth of data often experienced by occupational health and safety researchers They take into account the varying institutional and regulatory approaches in different international jurisdictions Specific topic chapters delve into the principles and application of economic evaluation methods relevant to this setting study design type of analysis costs consequences uncertainty and equity are all covered providing guidance on analytical and decision making challenges The concluding chapter synthesizes the summaries conclusions challenges and recommendations from across the book presenting these in a reference case

Applied Methods of Cost-effectiveness Analysis in Healthcare Alastair M. Gray, Philip M. Clarke, Jane L. Wolstenholme, Sarah Wordsworth, 2010-10-14 The third volume in the Handbooks in Health Economic Evaluation series this book provides the reader with a comprehensive set of instructions and examples of how to perform an economic evaluation of a health intervention It focuses solely on cost effectiveness analysis in health care The book is developed out of the Advanced Methods of Cost Effectiveness Analysis course taught at the University of Oxford and the four main sections mirror the four principal components of the course Outcomes Costs Modelling using decision trees and Markov models and Presenting cost effectiveness results

ABOUT THE SERIES Series editors Alastair Gray and Andrew Briggs

Economic evaluation of health intervention is a growing specialist field and this series of practical handbooks tackles in depth topics superficially addressed in more general economics books Each volume includes illustrative material case histories and worked examples to encourage the reader to apply the methods discussed with supporting material provided online The series is for health economists in academia the pharmaceutical industry and the health sector those on advanced health economics courses and health researchers in associated fields

*Getting Health Economics into Practice* David Kernick, 2018-08-11 Fifty years ago medicine was straightforward Doctors had limited therapeutic options and patients did as they were told Today an array of medical interventions is putting increasing pressure on limited resources patients are

questioning everything and doctors are uncertain of their role Health economists hoped to offer important insights to aid decision making but their technical frameworks bore little resemblance to the practical requirements of end users Now this book presents the concepts and insights that health economics has to offer in a way that is accessible to every healthcare decision maker Getting Health Economics into Practice is for all those who are involved in the planning commissioning and delivery of healthcare It illuminates the practical value that the concepts and principles of health economics can offer decision makers at all levels Comprehensive and extensive it is the first such book to be edited by a clinician rather than a health economist with contributions from an expert panel of specialists This approach ensures it is accessible and useful in the everyday work of health professionals It is relevant for all healthcare sectors in particular for Primary Care Trusts and is essential reading for managers researchers and especially practitioners *Measuring and Valuing Health Benefits for Economic Evaluation* John Brazier, 2007-01-11 With limited resources and funding it is impossible to invest in all potentially beneficial health care interventions Choices have to be made and this practical guide allows the reader to measure and value the benefits of interventions a key component of economic evaluation which then permits comparisons between interventions

**Discounting in the Economic Evaluation of Health Care Interventions** Murray Krahn, Amiram Gafni, 1992



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