

# Methods for the Economic Evaluation of Health Care Programmes

Fourth Edition

MICHAEL F. DRUMMOND  
MARK J. SCULPHER  
KARL CLAXTON  
GREG L. STODDART  
GEORGE W. TORRANCE

OXFORD

# Methods For The Economic Evaluation Of Health Care Programmes

**Joseph S. Bertino**



## **Methods For The Economic Evaluation Of Health Care Programmes:**

**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 *Methods for the Economic Evaluation of Health Care Programmes* Michael F. Drummond, Mark J. Sculpher, Karl Claxton, Greg L. Stoddart, George W. Torrance, 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 [Methods for the Economic Evaluation of Health Care Programmes](#) Michael F. Drummond, 2015 9 2 The role of decision analytic models for economic evaluation **Methods for the Economic Evaluation of Health Care Programmes** M. F. Drummond, 1987-01 As concern over costs grows in the health care sector those involved in health economics require a clear understanding of methods used in cost effectiveness cost benefit and cost utility studies This book provides the reader with the necessary methodological tools for undertaking the task of economic evaluation and includes discussions of many case studies helpful illustrations and simple exercises **Methods for the Economic Evaluation of Health Care Programmes** Michael F. Drummond, Mark J. Sculpher, Karl Claxton, Greg L. Stoddart, George W. Torrance, 2015-09-25 The purpose of economic evaluation is to inform decisions intended to improve healthcare The new edition of *Methods for the Economic Evaluation of Health Care Programmes* equips the reader with the necessary tools and understanding required to undertake evaluations by providing an outline of key principles and a tool kit based on the authors own experiences of undertaking economic evaluations Building on the strength of the previous edition the accessible writing style ensures the text is key reading for the non expert reader as no prior knowledge of economics is required The book employs a critical appraisal framework which is useful both to researchers conducting studies and to

decision makers assessing them Practical examples are provided throughout to aid learning and understanding The book discusses the analytical and policy challenges that face health systems in seeking to allocate resources efficiently and fairly New chapters include Principles of economic evaluation and Making decisions in healthcare which introduces the reader to core issues and questions about resource allocation and provides an understanding of the fundamental principles which guide decision making A key part of evidence based decision making is the analysis of all the relevant evidence to make informed decisions and policy The new chapter Identifying synthesising and analysing evidence highlights the importance of systematic review and how and why these methods are used As methods of analysis continue to develop the chapter on Characterising reporting and interpreting uncertainty introduces the reader to recent methods of analysis and why characterizing uncertainty matters for health care decisions The fourth edition of *Methods for the Economic Evaluation of Health Care Programmes* has been thoroughly revised and updated making it essential reading for anyone commissioning undertaking or using economic evaluations in health care including health service professionals health economists and health care decision makers *Theory and Methods of Economic Evaluation of Health Care* Magnus Johannesson,1996-05-31 Most economic evaluations of health care programmes at the moment are cost effectiveness and cost utility analyses The problem with these methods is that their theoretical foundations are unclear This has led to confusion about how to define the costs and health effects and how to interpret the results of these studies In the environmental and traffic safety fields it is instead common to carry out traditional cost bene fit analyses of health improving programmes This striking difference in how health programmes are assessed in different fields was the original motivation for writing this book The aim of the book is to try and provide a coherent framework within cost bene fit analysis and welfare economics for the different methods of economic evaluation in the health care field The book is written in an easily accessible manner and several examples of applications of the different methods are provided It is my hope that it will be useful both for teaching purposes and as a guide for practitioners in the field Glenn C Blomquist John D Graham Rich O Connor and four anonymous referees provided helpful comments on previous versions of the manuscript I would also like to express my gratitude to the following persons for helping me to prepare the manuscript Carl Magnus Berglund Carin Blanksvard Ann Brown and Ziad Obeid **Methods for the Economic Evaluation of Health Care Programmes** M. F. Drummond,B. O'Brien,G. L. Stoddart,1997 *Methods for the Economic Evaluation of Health Care Programmes* ,1997 **Systemic Lupus Erythematosus** George C. Tsokos,Caroline Gordon,Josef S. Smolen,2007-01-01 This new companion to Hochberg et al s Rheumatology masterwork provides new insights into the causes detection and therapy of this challenging disease In this state of the art resource you ll find one stop coverage of all the latest scientific and clinical developments in SLE new concepts in epidemiology disease activity measures and outcomes new concepts in immunoregulation genetic and pathogenic mechanisms new understanding and novel presentation of the processes of tissue organ damage comprehensive coverage of clinical features and the very latest

concepts in treatment Provides the very latest understanding of the pathogenesis of SLE Distills current understanding of the cellular molecular genetic and environmental factors that instigate and drive the disease Includes comprehensive coverage of clinical features including fatigue organ system manifestations overlap syndromes infections and more Conveys the very latest understanding of mechanisms of tissue damage including immune complexes antibodies and other mechanisms that lead to organ damage Contains expert discussion of processes that are responsible for tissue injury a hallmark of this text Incorporates the latest treatment modalities including steroids and non steroidal cytotoxic drug treatment PAP s and therapies on the horizon Discusses the latest treatment options on disease modifying or disease controlling agents

**Methods for the Economic Evaluation of Health Care Programmes** M. F. Drummond, 2005 Standard textbook in the field Clearly written in a style accessible to a wide readership with extensive references and boxes to highlight key issues Suitable for both students and practitioners *Global Health Economics: Shaping Health Policy In Low- And Middle-income Countries* Paul Revill, Marc Suhrcke, Rodrigo Moreno-serra, Mark Sculpher, 2020-05-21 This book contains a collection of works showcasing the latest research into global health economics conducted by leading experts in the field from the Centre for Health Economics CHE at the University of York and other partner research institutions Each chapter focuses upon an important topic in global health economics and a number of separate research projects The discussion delves into health care policy evaluation economic evaluation econometric and other analytic methods health equity and universal health coverage consideration of cost effectiveness thresholds and opportunity costs in the health sector health system challenges and possible solutions and others Case study examples from a variety of low and middle income countries LMIC settings are also showcased in the final part of this volume The research presented seeks to contribute toward increasing understanding on how health policy can be enhanced to improve the welfare of LMIC populations It is strongly recommended for public health policymakers and analysts in low and middle income country settings and those affiliated to international health organizations and donor organizations *Neuraxial Therapeutics* Tony Yaksh, Salim Hayek, 2024-01-02 This book is a comprehensive reference of the neuraxial route for the delivery of therapeutics It reviews the historical evolution of this approach from its inception in the later 1800 s to present day This amply referenced text covers basic discussions of spinal anatomy embryogenesis neuraxial vascularity cerebrospinal fluid flow dynamics and parenchymal molecule movement The pharmacokinetic and pharmacodynamic properties of different intrathecal agents are explored in detail with particular reference to clinical correlates in pain and spasticity Particular attention is paid to the issues relevant to preclinical models of intrathecal delivery and the assessment of spinal pathologies arising from acute and chronic intrathecal drug delivery Chapters provide essential discussions of clinical aspects of patient care including patient evaluation and screening trialing and device management troubleshooting problems and addressing complications best practices cost effectiveness and future of the therapy Clinicians and researchers who practice intrathecal therapy and study neuraxial mechanisms will find

Neuraxial Therapeutics to be an invaluable guide to this treatment modality

*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

**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

**Guidelines for Economic Evaluation of Pharmaceuticals** Canadian Coordinating Office for Health Technology Assessment, 1997 Pharmacoeconomics is the application of the methods of economic evaluation of health care programs to interventions involving pharmaceutical products The techniques and these guidelines is to provide assistance to the doer of the analysis or study for the purposes of providing standardized and reliable information for the target audience the user To this end changes to the Guidelines have focused on key areas where there have been significant developments in theory and or methodology These guidelines attempt to be as prescriptive and helpful as possible and to provide opportunities for creativity and innovation The second edition should be useful for directing study design as well as providing a template for the final reports of evaluations

**Pharmacogenomics An Introduction and Clinical Perspective** Joseph S. Bertino, 2013 Pharmacogenomics is comprehensive textbook detailing how genetic makeup affects a body's response to drugs

[The Economic Evaluation of Mental Health Care](#) Martin R. J. Knapp, 1995 This work analyzes the economics of mental health care covering areas such as cost analysis methods estimating costs evaluation of psychiatric reprovisioning comparative equity on community based care reduced list costing decision analysis and an evaluation of costs from 1860 to 1986

[Pharmacoeconomics & Outcomes](#) Dennis W. Grauer, American College of Clinical Pharmacy, 2003 Fully updated and

substantially expanded this second edition of the well known ACCP publication will enable practicing pharmacists and pharmacy students to develop knowledge and skill to measure and evaluate economic and patient based outcomes Learn How to Measure and Evaluate Economic and Patient based Outcomes [Canadian Journal of Psychiatry](#) ,2008 **The DH Register of Cost-effectiveness Studies** James Mason,Michael Drummond,1995 The department of Health has recently published a register of economic evaluations of health care treatments and programmes Register of Cost Effectiveness Studies The objective is to assess the value for money from alternative ways of allocating scarce resources The present paper gives details of an approach for assessing the methodological quality of economic evaluations A worked example of a search in the register together with the interpretation of the existing register and the future reporting of economic evaluations are discussed

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