

Methods for the Economic Evaluation of Health Care Programmes

Fourth Edition

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Methods For The Economic Evaluation Of Health Care Programmes

M. F. Drummond



Methods For The Economic Evaluation Of Health Care Programmes:

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 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 pharmacists and health care decision makers It is especially relevant for those taking pharmacoeconomics courses

Methods for the Economic Evaluation of Health Care Programmes M. F. Drummond, 1997 Since its publication in 1987 *Methods for the economic evaluation of health care programmes* has become the standard textbook in this field world wide Over the past ten years the field of economic evaluation in health care has expanded considerably with a rapid rise in the number of published studies and wider recognition of their use in health care decision making Developments in economic evaluation have also led to the publication of several guidelines for study methodology most recently those proposed by the United States Public Health Services Panel The new edition of *Methods for the economic evaluation of health care programmes* follows the same basic structure as the first edition The key methodological principles are outlined using a critical appraisal checklist that can be applied to any published study The methodological features of the basic forms of analysis cost analysis cost effectiveness analysis cost utility analysis and cost benefit analysis are then explained in more detail The book has been greatly revised and enlarged especially with respect to cost utility and cost benefit analysis where major methodological developments have taken place New to this edition are chapters on collecting and analysing data and presenting and using economic evaluation results The new edition will be required reading for anyone commissioning undertaking or using economic evaluations in health care and

will be popular with health service professionals health economists and health care decision makers Reviews of the first edition An important contribution to studies on the economic evaluation of medical care British Medical Journal This is essential reading Only if all managers are aware of the powers of economic techniques will they be used sensibly The Health Service Journal UK The methodological chapters on cost analysis and cost utility analysis are gems should become the standard text on the subject at the intermediate level at which it is aimed Medical Decision Making It leaves nothing important in economic evaluation analysis untouched Health Policy and Planning 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 benefit 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 benefit 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 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,B. O'Brien,G. L. Stoddart,1997 *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 **Methods for the Economic Evaluation of Health Care Programmes** ,1997 **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

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

Handbook of Economic Evaluation of HIV Prevention Programs David R. Holtgrave, 2013-06-29 If resources for HIV prevention efforts were truly unlimited then this book would be entirely unnecessary In a world with limitless support for HIV prevention activities one would simply implement all effective or potentially effective programs without regard to expense We would do everything useful to prevent the further spread of the virus that has already claimed hundreds of thousands of lives in the United States and millions of lives worldwide Unfortunately funding for HIV prevention programs is limited Even though the amount of available funding may seem quite large especially in the United States it is still fixed and not sufficient to meet all needs for such programs This was very well illustrated in the summer of 1997 when over 500 community based organizations applied for a combined total of 18 million of HIV prevention funding from the U S Centers for Disease Control and Prevention CDC Less than one fifth of these organizations received support via this funding mechanism Hence although 18 million may seem like a large amount of

money at first blush it is not enough to meet all of the prevention needs that could be addressed by these community based organizations

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

Methods for the economic evaluation of health care programmes M. F. Drummond, George W. Torrance, Gregory Lloyd Stoddart, 1987 Given the increased concern about value for money in the health care sector there is a growing literature in the economic evaluation of health care programmes However to date there are no texts that discuss in detail the methods used in cost effectiveness cost benefit and cost utility studies for those who want to undertake such studies or to assess study results critically Methods for the economic evaluation of health care programmes provides the reader with a well equipped methodological tool kit in order that he or she will be better prepared to tackle aspects of economic evaluation methodology This is accomplished by including discussions of many case studies clear illustrations and a number of simple exercises

Non-Communicable Disease Prevention: Best Buys, Wasted Buys and Contestable Buys Wanrudee Isaranuwatthai, Rachel A. Archer, Yot Teerawattananon, Anthony J. Culyer, 2019-12-12 Non communicable diseases NCDs are the leading cause of death worldwide contributing to over 73% of all deaths annually Each day NCDs cause more than 100 000 deaths 80% of which occur in low and middle income countries NCDs however are largely preventable and a great deal of technical knowledge exists about how to prevent and manage them Why then have we as a global community not been more successful at reducing this NCD burden Does a universal problem not have a universal solution Created by an international consortium of experts this informative and accessible book provides practical guidelines key learning points and dynamic real world case studies to aid NCD program managers policy officers and decision makers in low and middle income countries so that they can assess interventions for the prevention and control of NCDs The book was commissioned by the Prince Mahidol Award Conference PMAC an annual international conference centred on policy of global significance related to public health Non Communicable Disease Prevention Best Buys Wasted Buys and Contestable Buys emphasises the importance of context in NCD control and prevention arguing that the success of an intervention lies in an ability to respond to local needs and environments The book comprises ten chapters which collectively explore the reasons behind and strategies for preventing and managing the NCD burden It spans key themes such as political economy the transferability of economic evidence the role of cross sectoral policies the importance of deliberative processes and health technology assessment This book is written for the benefit of the global health community and is primarily targeted at those individuals who are involved in NCD programs This book will also be of interest to NCD champions policy advocates and educators spearheading the movement for increased visibility of NCDs

Economic Analysis in Health Care Stephen Morris, Nancy Devlin, David Parkin, 2007-06-04 Health economics is concerned with the evaluation of the effectiveness of health care particularly by examining the social opportunity costs of alternative

forms of treatment The peculiar nature of the market for health care that doctors have a major influence on both supply and demand has attracted attention as has the study of the options available for financing such services Economic Analysis in Health Care provides a comprehensive coverage of both the economics of health care systems and the evaluation of health care technologies It has been written as a core textbook for advanced undergraduate and postgraduate students with knowledge of economic analysis and will appeal to an international audience Adopts an international perspective using examples and case studies from the UK the rest of Europe and other countries Contains detailed exposition of the economic theory alongside relevant examples and applications Focuses on both market related and economic evaluation aspects of health economics some books focus purely on market related aspects Strong author team with very broad experience of writing and teaching health economics

Economic Evaluation in Genomic and Precision Medicine ,2023-04-19

Economic Evaluation in Genomic and Precision Medicine provides an in depth examination of essential concepts protocols and applications of economic evaluation in genomic and precision medicine Contributions from leading international medical geneticists and health economists compile new ways to effectively assess the costs and outcomes of different genomic care pathways implement cost effective medical interventions and enhance the value of genomic and precision healthcare Foundational chapters and discipline specific case studies cover topics ranging from the economic analysis of genomic trial design to health technology assessment of next generation sequencing ethical aspects economic policy in genomic medicine and pricing and reimbursement in clinical genomics Introduces clinicians researchers and students to essential concepts protocols and applications of economic evaluation in genomic and precision medicine Demonstrates through foundational chapters and discipline specific case studies how to assess the relative costs and outcomes of different genomic care pathways and implement cost effective budgets Establishes clear precedents on how genomic technologies can be leveraged to simultaneously reduce costs and enhance the value of healthcare Features contributions from leading international medical geneticists and health economists that are actively evolved in economic assessments of genomic and precision medicine

Economic Evaluation of Mental Health Interventions Huajie Jin,2023-10-25 **Journal of the Medical**

Association of Thailand ,2008-06 The journal of Medical Association of Thailand publishes original and review articles including case report that relate to the study or research on diseases epidemiology drug or vaccine that have the influence on clinical course treatment and prevention of human illness

The Advanced Handbook of Methods in Evidence Based Healthcare Andrew Stevens,Keith Abrams,John Brazier,Ray Fitzpatrick,Richard Lilford,2001-01-02 This handbook is an

excellent reflection of the growing maturity and methodological sophistication of the field of Health Technology Assessment The Handbook covers a spectrum of issues from primary evidence clinical trials through reviews and meta analysis to identifying and filling gaps in the evidence Up to date clearly written and well edited the handbook is a needed addition to any personal or professional library dealing with Health Technology Assessment Professor David Banta TNO Prevention and

Health The Netherlands This text presents the most advanced knowledge on methodology in health care research and will form the backbone of many future studies Paula Roberts Nurse Researcher The effectiveness revolution both in research and clinical practice has tested available methods for health services research to the extreme How far can observational methods routine data and qualitative methods be used in health care evaluation What cost and outcome measures are appropriate and how should data be gathered With the support of over two million pounds from the British Health Technology Assessment Research Programme the research project for this Handbook has led to both a synthesis of all of the existing knowledge in these areas and an agenda for future debate and research The chapters and their authors have been selected through a careful process of peer review and provide a coherent and complete approach to the field The handbook has been a unique collaboration between internationally regarded clinicians statisticians epidemiologists social scientists health economists and ethicists It provides the most advanced thinking and the most authoritative resource for a state of the art review of methods of evaluating health care and will be required reading for anyone involved in health services research and management

Systemic Lupus Erythematosus E-Book George Tsokos, Caroline Gordon, Josef S. Smolen, 2007-02-23 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 will 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

Enjoying the Melody of Appearance: An Emotional Symphony within **Methods For The Economic Evaluation Of Health Care Programmes**

In a world used by monitors and the ceaseless chatter of fast communication, the melodic elegance and psychological symphony created by the written word often disappear into the backdrop, eclipsed by the constant noise and interruptions that permeate our lives. But, set within the pages of **Methods For The Economic Evaluation Of Health Care Programmes** a stunning literary value overflowing with organic feelings, lies an immersive symphony waiting to be embraced. Constructed by an outstanding composer of language, that captivating masterpiece conducts viewers on a mental trip, well unraveling the concealed songs and profound affect resonating within each carefully constructed phrase. Within the depths of this touching analysis, we will investigate the book is key harmonies, analyze its enthralling writing fashion, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

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