# Types of Economic Evaluation

Type of Analysis	Costs	Consequences	Result
Cost Minimisation	Dollars	Identical in all respects.	Least cost alternative.
Cost Effectiveness	Dollars	Different magnitude of a common <b>measure</b> eg., LY's gained, blood pressure reduction.	Cost per unit of consequence eg. cost per LY gained.
Cost Utility	Dollars	Single or multiple effects not necessarily common. Valued as "utility" eg. QALY	Cost per unit of consequence eg. cost per QALY.
Cost Benefit	Dollars	As for CUA but valued in money. eg willingness-to-pay	Net \$ cost: benefit ratio.

# **Economic Evaluation**

**John Brazier** 

#### **Economic Evaluation:**

**Economic Evaluation** Fox-Rushby, Julia, Cairns, John, 2005-11-01 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 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 
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 Economic Evaluation, Cost-Benefit Analysis, Economic Ethics Felix Ekardt, 2022-06-02 With cost benefit analysis economic sciences cultivate a specific decision making procedure which has also been partially adopted in politics Although economists do not experience the approach as normative on closer examination the approach can be identified as an economic ethics. The present philosophical and at the same time transdisciplinary with special legal and economic components treatment examines the persuasive power of this approach using climate change as an example as the most important sustainability issue The objections raised against the economisation of decision making with regard to the utilitarian tradition such as the criticism of the orientation towards weighing up options the alleged lack of distributive justice or the tendency to describe people in behavioural science as selfish are hardly or not at all convincing on closer examination In several respects however it turns out that cost benefit analysis faces insoluble problems Firstly the theoretical basis of hidden normative cost benefit analysis in philosophical empiricism does not seem tenable This means the idea of empiricism that normative questions must be transformed into questions of factual countable and reproduceable preferences of people Secondly there are massive collisions of cost benefit analysis with a liberal democratic constitutional law whose principles are universal ethical principles This concerns both freedom rights which must not depend on the ability of humans to pay and the model of democracy and respect for the rule of law Thirdly insoluble problems of application arise for cost benefit analyses which are particularly but not only apparent in the context of climate protection in general considerations as in the case of legislation as well as in individual analyses as done when constructing a coal fired power plant A strongly deflated cost benefit analysis could nevertheless contribute factual material such as partial aspects of decision consequences that can actually be depicted in monetary terms to ethical or legal decision making processes In this respect the approach appears helpful and complementary but not beyond that Economic Evaluation in Clinical Trials Henry A. Glick, Jalpa A. Doshi, Seema S. Sonnad, 2014 A practical guide to the techniques and issues involved in conducting economic evaluation in ongoing clinical trials supported with detailed advice on the design and analysis of studies including analysis of cost Belfield, A. Brooks Bowden, Robert Shand, 2017-06-15 The past decade has seen increased attention to cost effectiveness and benefit cost analysis in education as administrators are being asked to accomplish more with the same or even fewer resources philanthropists are keen to calculate their return on investment in social programs and the general public is

increasingly scrutinizing how resources are allocated to schools and colleges Economic Evaluation in Education Cost Effectiveness and Benefit Cost Analysis titled Cost Effectiveness Analysis Methods and Applications in its previous editions is the only full length book to provide readers with the step by step methods they need to plan and implement a benefit cost analysis in education Authors Henry M Levin Patrick J McEwan Clive Belfield Alyshia Brooks Bowden and Robert Shand examine a range of issues including how to identify measure and distribute costs how to measure effectiveness utility and benefits and how to incorporate cost evaluations into the decision making process The updates to the Third Edition reflect the considerable methodological development in the evaluation literature and the greater empiricism practiced by education researchers to help readers learn to apply more advanced methods to their own analyses 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 tty 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 Conor 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 **Economic Evaluation of Pharmacy Services** Zaheer-Ud-Din Babar, 2016-10-15 Economic Evaluation of Pharmacy Services provides the latest on the trend to a more product centered and service centered practice eschewing traditional economic evaluation techniques that focus on product to product comparisons in favor of evaluating processes that measure costs and health outcomes Complete with examples focusing on best practices including various study designs types of pharmacy services and types of outcomes being evaluated the book emphasizes case studies and examples that help readers understand economic evaluation techniques Many of these techniques are transferable across countries especially where there are advanced and stable health systems in place With the help of this practical guide readers will gain a thorough understanding of the application of economic evaluation of pharmacy services Delivers a practical guide for conducting economic evaluations of hospital and community pharmacy services Documents the literature around health economic evaluation and innovative pharmacy services Guides the development of a standardized health economic evaluation tool to evaluate these services **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 The Feasibility of Economic Evaluation of Diagnostic Procedures Judith L. Wagner, 1981 **Technical and Economic** Evaluation of Fertilizer Intermediates for Use by Developing Countries Gordon C. Hicks, 1970 Evaluation of Transport Projects Ginés de Rus, M. Pilar Socorro, Jorge Valido, Javier Campos, 2023-08-01 This book is a guide to the economic evaluation of transport policies and investment projects through cost benefit analysis CBA It covers the CBA of transportation projects and policies and introduces the fundamental concepts of CBA before considering their application in real world settings A distinct focus of the book is on the practical applications of CBA It includes real world examples of CBA such as high speed rail investment and the subsidization of air transport which illustrate the importance of using a rigorous analytical framework to evaluate transport projects and policies The primary objective of this book is to present a basic model for the evaluation of transport projects and policies with explicit assumptions and practical evaluation rules derived from it The rules and measurement criteria derived from this model are applied to the examples mentioned above Overall this book is an excellent resource for students practitioners and policymakers involved in transport economics and evaluation as it provides a comprehensive understanding of the principles and applications of CBA in the transport sector

Economic Evaluation of Projects in the Electricity Supply Industry Hisham Khatib,2003 This fully revised and updated edition takes a broad introductory approach covering market and environmental issues financial analysis and evaluation and clean environmental technologies and costs A valuable reference for engineers economists and financial analysts needing an understanding of the area <a href="Human Use and Economic Evaluation">Human Use and Economic Evaluation (HUEE)</a>, 1985 <a href="Theory and Methods of Economic Evaluation of Health Care">Theory and Methods of Economic Evaluation of Health Care</a> Magnus Johannesson, 2010-12-03 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 tty 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 Conor 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 The feasibility of economic evaluation of diagnostic procedures: the case of CT scanning Judith L. Wagner, 1981 **Economic Evaluation of Sustainable Development** Vinod Thomas, Namrata Chindarkar, 2019-04-16 This book is open access under a CC BY 4 0 license This book presents methods to evaluate sustainable development using economic tools The focus on sustainable development takes the reader beyond economic growth to encompass inclusion environmental stewardship and good governance Sustainable Development Goals SDGs provide a framework for outcomes In illustrating the SDGs the book employs three evaluation approaches impact evaluation cost benefit analysis and objectives based evaluation The innovation lies in connecting evaluation tools with economics Inclusion environmental care and good governance thought of as wicked problems are given centre stage. The book uses case studies to show the application of evaluation tools It offers guidance to evaluation practitioners students of development and policymakers The basic message is that evaluation comes to life when its links with socio economic environmental and governance policies are capitalized on 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

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