INTRODUCTION TO COST-EFFECTIVENESS ANALYSIS IN HEALTH

27 March, 7 August, 16 October

A one-day course that provides an introduction to applying cost-effectiveness analysis in health.

Who is this course designed for?
Policy makers, clinicians, researchers, managers and others making or informing decisions.

Content Overview
This course will provide participants with an understanding of how economic analysis can be used to evaluate health programs and aid decision making. This course consists of short lectures, case studies and practical class exercises and will include the following modules:
- Introduction to Health Economics
- Cost measurement
- Outcome measurement
- Interpretation of economic evaluation results for policy

Course costs
$450 – University/Public Sector – Early Bird
$600 – Private Sector – Early Bird

This introductory course has no assumed knowledge. It represents a good foundation for other courses offered in the series.

DESIGNING ECONOMIC EVALUATION ALONGSIDE CLINICAL STUDIES

28 March

A one-day course providing an overview of economic evaluation alongside randomized controlled trials and other studies, with particular focus on the design and practical aspects.

Who is this course designed for?
Researchers undertaking trials, investigators, managers and other involved in clinical studies.

Content Overview
This course will provide an overview of cost-effectiveness analysis that have been conducted of clinical studies and trials. Practical information on methods for prospectively collecting costs and outcomes data through administrative data linkage and patient surveys will be provided. It will also explain the techniques used to analyse economic data and illustrate this through examples. Issues covered in this course will include:
- Collecting relevant cost data
- Analysing health economic data
- Economic evaluation reporting standards
- Methods to assess quality of life
- Extrapolation, modelling and capturing uncertainty

Course costs
$450 – University/Public Sector – Early Bird
$600 – Private Sector – Early Bird

This course will provide an overview of what is required for conducting a health economic evaluation. These include:
- Study design principles
- Techniques for analyzing costs
- Techniques for analyzing outcomes
- Introduction to decision models
- Markov modelling and applications

Each module is re-enforced by exercises in Excel, TreeAge Pro and Stata. Participants should be familiar with basic statistics and Microsoft Excel. The course will be hands-on and participants will be expected to bring a laptop.

Course costs
$1850 – University/Public Sector – Early Bird
$2850 – Private Sector – Early Bird

PRACTICAL METHODS FOR HEALTH ECONOMIC EVALUATION

29-31 March, 18-20 October

A three-day intensive computer based course in methods for health economic evaluation.

Who is this course designed for?
Those engaged in undertaking cost-effectiveness analysis and resource allocation decision making. Researchers, consultants from public, commercial and academic organisations.

Content Overview
This course involves a series of modules to provide an overview of what is required for conducting a health economic evaluation. These include:
- Valuing outcomes using disability and quality adjusted life years (DALYs and QALYs) and willingness to pay (WTP)
- How time preference can impact on an evaluation
- Quantify outcomes using Markov models, life tables and simulation models

We will include several case examples (e.g. tobacco tax) and class exercises to consolidate understanding.

Course costs
$450 – University/Public Sector – Early Bird
$600 – Private Sector – Early Bird

EVALUATING PUBLIC HEALTH INTERVENTIONS USING ECONOMIC AND EPIDEMIOLOGIC METHODS

17 October

A one-day workshop focusing on evaluation of public and population health programs with a focus on preventive interventions.

Who is this course designed for?
Public sector focused policy makers and researchers.

Content Overview
This course will give an overview of how cost-effectiveness analysis and cost-benefit analysis can be used to evaluate public sector interventions, including screening and prevention programs, and ways to improve access to health care.

We use epidemiological and economic methods to demonstrate how benefits and costs can be quantified. Key concepts covered include:
- Valuing outcomes using disability and quality adjusted life years (DALYs and QALYs) and willingness to pay (WTP)
- How time preference can impact on an evaluation
- Quantify outcomes using Markov models, life tables and simulation models

We will include several case examples (e.g. tobacco tax) and class exercises to consolidate understanding.

Course costs
$450 – University/Public Sector – Early Bird
$600 – Private Sector – Early Bird

ABOUT US

The Health Economics Unit, at the Centre for Health Policy, The University of Melbourne has a strong history of providing post-graduate teaching and ongoing professional courses. Since 2013, we have provided 25 professional courses to over 700 participants. Courses were held domestically at the University of Melbourne, University of Tasmania as well as to external clients in Australia. Further, the Health Economics Unit has provided courses internationally in China.

CONTACT US

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### ECONOMIC EVALUATION: WHICH COURSE IS FOR ME?

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| INTRODUCTORY        | I have little to no previous experience in economic evaluation or health economics | 1-day Introduction to Cost-Effectiveness Analysis in Health | Anyone interested in learning more about economic evaluation | None | • Introduction to key concepts  
• Examples of evaluations  
• Some hands on experience through exercises |
| INTERMEDIATE        | I have some knowledge of health economics and epidemiology, but want to learn about how these can be applied to evaluate public health interventions | 1-day Evaluating Public Health Interventions using Economic and Epidemiologic Methods | Academics and public sector decision makers | Introduction to Cost-Effectiveness in Health course or other introductory economic evaluation training | • Understanding of special considerations for evaluating public health interventions  
• Bring together epidemiological and health economic methods to quantify costs and outcomes. |
|                     | I have some previous knowledge and want more detailed information about how economic evaluation can contribute to my clinical study and what I need to collect. | 1-day Designing Economic Evaluation Alongside Clinical Studies | Those who wish to be involved in clinical studies (including clinicians, project coordinators/managers, other researchers) | Introduction to Cost-Effectiveness in Health course or other introductory economic evaluation training | • Practical guidance to help with designing an economic evaluation and planning for data collection  
• Some illustration of what the final economic evaluation may look like  
• Greater understanding of how economic evaluation can contribute to clinical studies and practice workshop examples |
| ADVANCED            | I have some previous knowledge but want to know more about how to conduct an evaluation myself or be able to critically evaluate one | 3-day Practical Methods for Health Economic Evaluation | Those who wish to be involved in conducting economic evaluation (students, researchers, health economists, industry) | Introduction to Cost-Effectiveness in Health course or other introductory economic evaluation training | • Lots of hands on practice to work with  
• Preparing data  
• Analysing outcome and cost data  
• Building models in TreeAge  
• More advanced discussion of key economic evaluation concepts and techniques |
|                     | I want a more formal qualification and some detailed understanding and practice | Masters of Public Health (Health Economics and/or Economic Evaluation streams) | Those wanting a formal qualification and detailed understanding (students, researchers, clinicians and policy makers) | None | • Introduction to key concepts  
• Opportunity for more in-depth understanding  
• Application of techniques in Stata and TreeAge  
• Practical exercises including assessment |


To register your interest and to be informed of our future course dates, e-mail us at [health-economics@unimelb.edu.au](mailto:health-economics@unimelb.edu.au)