UNIVERSITY OF ALBERTA

Introduction to cost effectiveness modeling

Date: May 29 – June 2, 2017
Location: ECHA 5-001
Faculty of Medicine & Dentistry, University of Alberta, Edmonton, Canada
Course Faculty: Dr. Richard Edlin, Dr. Claire Hulme, Dr. Christopher McCabe, and Dr. Michael Paulden

Course Description

This 5 day course is designed to equip individuals who have a basic understanding of cost effectiveness analysis with the skills required to build two types of decision analytic cost effectiveness models; decision trees and Markov models.

Designed and delivered by internationally recognized experts in cost effectiveness analyses, the course will combine focused pedagogic sessions with practical exercises to provide participants with hands-on experience of building the most commonly used types of cost effectiveness models, undertaking deterministic and probabilistic sensitivity analyses, Value of Information Analyses and producing a range of outputs to meet the requirements of reimbursement authorities in North America, Europe and Australasia.

The course is suitable for graduate students, residents and post-doctoral researchers working in academia, public health systems, pharmaceutical and device manufacturers, as well as commercial research organizations. Teaching assistants and additional tutors will be present to support participants in the applied exercise sessions.

Course participants will be provided with a certificate of completion and an accompanying record of achievement in the learning audits completed after each stage of the course. In addition, participants will be provided with MS Excel macros for implementing many of the techniques taught in the course.

The course cost is $900 + GST for public sector and education sector participants and $1300 + GST for private sector participants. Please contact Patti Malcolm at pmalcolm@ualberta.ca to register. Please direct any questions about the course to Dr. Christopher McCabe at mccabe1@ualberta.ca.

Accommodation available at Campus Tower Suite Hotel http://www.campustower.com/ For group rate, reserve before April 28, 2017. Group code: ACT-GFC2634. Call 1-800-709-1824 or book online http://coa.st/1pt6

Course Outline

	Topic	Faculty
Part One	Decision Trees for Cost Effectiveness Analysis	Dr. McCabe and Dr. Hulme
Part Two	Introduction to Sensitivity Analysis	Dr. Edlin and Dr. Paulden
Part Three	Introduction to Markov Cost Effectiveness Models	Dr. McCabe and Dr. Edlin
Part Four	Probabilistic Sensitivity Analysis in Markov Models	Dr. Paulden and Dr. Hulme
Part Five	Outputs from Probabilistic Cost Effectiveness Analysis	Dr. McCabe and Dr. Edlin
Part Six	An Introduction to estimating the value of further research	Dr. Edlin and Dr. Paulden

Faculty Biographies

Dr. Richard Edlin is a Senior Lecturer at the University of Auckland in New Zealand. Richard has published applied and theoretical papers in cost effectiveness analysis, the measurement and valuation of health, and equity in health care resource allocation. Much of his current economic evaluation work involves the cost-effectiveness of screening and treatment in maternal and child health. He has taught economics and health economics to undergraduate and graduate students at the Universities of Sheffield, Leeds and Auckland.

Dr. Claire Hulme is Professor of Health Economics and Head of the Academic Unit of Health Economics at the University of Leeds. Claire's research interest lie in health technology assessment, particularly economic evaluation and decision analytical modelling. Her current portfolio includes trials in oncology, surgery and complex interventions. In addition to evaluation work, her research interests lie in the areas of health and employment and informal care. In the UK she sits on the NIHR Health Technology Assessment Commissioning Board and the Health Education England/NIHR Integrated Clinical Academic Programme Review Panel.

Professor Christopher McCabe is a health economist and Principal Investigator on the Genome Canada funded PACEOMICS project, as well as the recently established Precision Medicine Policy Network. His primary research interest is in the development of efficient research and development processes for biotherapies and devices in the context of value based reimbursement market access hurdles. He has over 150 hundred peer reviewed publications. He holds a Capital Health Endowed Research Chair at the University of Alberta.

Dr. Mike Paulden is an Assistant Professor at the School of Public Health, University of Alberta. His research interests are in health technology assessment, with a particular focus upon the integration of social values into the methods used for the economic evaluations of health care technologies.