

Centre For Health Economics Seminar Series 2017

EXTERNAL VALIDITY: A CRITICAL NEED FOR DCEs TO TAKE A KEY POSITION IN MEDICAL DECISION MAKING

Presenter: Dr Esther de Bekker-Grob, Erasmus University
Date: Wednesday 1st February 2017
Time: 12.00pm -1.00pm
Venue: RB Scotton Room
Centre for Health Economics



Abstract:

Ideally, decisions in healthcare regarding patient care are based on evidence from randomized controlled trials and formal meta-analyses. These methods have major strengths and impact on clinical practice. However, their focus on single outcomes limits their use in multi-attribute decisions. The discrete choice experiment (DCE) technique has been introduced in healthcare to arrive at optimal decisions, dealing with multiple outcomes and preference heterogeneity among decision-makers. The DCE application in healthcare has grown exponentially since its introduction in the early nineties. Nevertheless, the lack of insight into external validity hampers DCE taking a key position in medical decision-making: are stated preferences consistent with actual healthcare utilization? In this seminar consideration is given to two topics:

A mixed method approach to empirically and thoroughly test for external validity of DCEs; and Choice task complexity in DCE: the role of 'attribute level overlap' and 'colour coding' to improve choice consistency in DCEs (and possibly external validity of DCEs).

Presenter:

Dr. Esther de Bekker-Grob is an Associate Professor of Health Economics & Health Preferences at the Erasmus University (Department of Health Policy and Management) and Erasmus Medical Centre (Department of Public Health), Rotterdam, the Netherlands. Additionally, she is co-director of the interfaculty Erasmus Choice Modelling Centre. As a response to the strong push towards personalized medicine as well as dealing with scarcity in the allocation of healthcare require, more insight into patients' preferences for medical interventions and economic evaluations is needed. Dr. Esther de Bekker-Grob's research has contributed to these issues using (1) discrete choice experiments (DCEs) - an increasing popular quantitative approach to measure patients' preferences; and (2) semi-Markov and micro simulation models to determine the cost-effectiveness for medical interventions. Her research provided valuable insights that are useful in medical decision-making. It has covered a broad range of (more than 25) medical topics in primary healthcare, clinical care as well as public health. Moreover, Dr. Esther de Bekker-Grob has addressed methodological issues focusing on designing, modelling and validation of DCEs in healthcare. She has 50 peer-reviewed publications to date in high-quality journals, and has obtained about 3.5 million euro funding for her own line of research, including prestigious personal grants.

VISITORS ARE MOST WELCOME

The Seminar Series is free of charge. For further information please phone 9905 0733 or email che-enquiries@monash.edu

Over 25 Years of Health Economics at Monash University