

HERC Seminar Series

Estimating survival: Does patient reported quality of life matter?

Michelle Tew, Research Assistant at the Centre for Health Policy, Melbourne School of Population and Global Health, The University of Melbourne

Time and Date: Wednesday 17th October 2018, 11.30am

Venue: Richard Doll Building, 1st Floor Main Meeting Room, University of Oxford Old Road Campus, Headington, OX3 7LF



Abstract: Standard approaches to modelling outcomes commonly include a range of predictors such as age, sex and co-morbidities. However, there is growing evidence that quality-of-life (QoL) is also an important predictor of mortality.

Whilst the effects of standard risk factors have been adequately captured to describe mortality in most models, the omission of QoL indicates the assumption of full independence between QoL and life expectancy (LE). This omission could give rise to systematic bias when measuring quality-adjusted life years (QALYs).

Using data from a registry cohort of patients undergoing total knee replacement (TKR), potential correlations between baseline utility, change in utility and survival are explored using parametric survival models. Outcomes such as LE, QALYs, and incremental cost-effectiveness ratios (ICERs) were calculated and compared.

Biography: Michelle Tew is a Research Assistant at the Centre for Health Policy, Melbourne School of Population and Global Health. She completed her postgraduate training in Public Health specialising in Health Economics and Economic Evaluation at the University of Melbourne (MPH; Australia) and in Pharmacy at the University of Nottingham (MPharm; UK). Since 2015, she has worked on a number of costing studies including analysing costs associated with Caesarean section for overweight women and in the implementation of a sepsis protocol pathway. She has worked with large datasets, in particular with BreastScreen Victoria data, and contributed to a return on investment study for the Victorian Department of Health. She is also part of the team providing economic evaluation for the Medical Services Advisory Committee (MSAC) at the Department of Health to inform decisions about listing of new Medicare items.

All welcome to attend. Seminars last approximately 1 hour. Email herc@dph.ox.ac.uk to (un)subscribe to the mailing list. We look forward to your attendance. Stephen Rocks: 2018/19 *Convenor HERC seminar series.*

