

Seminar

The University of Melbourne

Contemporary cost-of-illness studies catalyzed by population-based health administrative data

Understanding the comparative burden of diseases, risk factors, and the potential impact of interventions is important for strategic health planning and fundamental to economic evaluations. Cost of illness (COI) studies, the most fundamental component to an economic evaluation in health, have been limited by reliance on numerous assumptions, variability in data quality and short time horizons (i.e., focus on acute disease). The availability of large administrative databases and the evolution of costing methods

provide an extraordinary opportunity for COI studies, offering population-based sampling and the ability to apply consistent costing methods. In this seminar, I will 1) review phase-based costing methods to estimate attributable longitudinal health system cost using a matched cohort study design, 2) discuss unique challenges when applying these methods to infectious diseases, and 3) describe opportunities to map phase-specific costs directly onto the health states of a subsequent decision-analytic model.



Dr Beate Sander

Dr. Beate Sander holds a Canada Research Chair in Economics of Infectious Diseases. She is also a Senior Scientist with the Toronto General Hospital Research Institute at UHN and a Professor at the University of Toronto. Dr. Sander's team uses simulation modeling and real-world data to assess the value of infectious disease interventions, informing public policies for pandemic preparedness, response and recovery. She co-chaired Ontario's COVID-19 Modelling Consensus Table, helping to shape Ontario's pandemic response.

Thursday June 29 2023
12pm - 1pm (AEST)

Seminar Room 410
Level 4, 207 Bouverie St
Carlton, VIC 3053

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