Health Economics from Theory to Practice

Optimally informing related decisions of reimbursement, research and regulation in practice.

22 – 24 November 2017
IHMRI Building, Room G32.01
University of Wollongong
The course teaches best practice for optimally addressing joint reimbursement, research and regulation (efficiency monitoring, funding pricing) decisions and policies associated with cost effectiveness analysis, health technology assessment and health system practice.

OBJECTIVES

Using seminars and tutorial-based learning with methods provided in Excel spreadsheets, the course provides participants with the principles, practical skills, methods and software to:


4. Best compare cost effectiveness of multiple strategies with use of expected net-loss curves and frontiers, which directly and simply inform societal decision making of optimal strategies for reimbursement at any threshold value with current evidence and the potential future value of future research (Eckermann Briggs and Willan 2008; Eckermann and Willan 2011).

5. Best compare cost effectiveness of multiple outcomes under uncertainty (McCaffrey 2012; McCaffrey et al. 2013, 2014), critical for comparisons of areas such as palliative care, but also transparency, generalizability and robust decision interpretation of events and utility weights underlying adjusted life year analysis.

6. Undertake efficiency measurement and funding across health-care providers consistent with maximizing health system net benefit (Eckermann 2004; Eckermann and Coelli 2013). The NBCT method naturally extends multiple strategy methods in HTA (see 4 above) to enable budget constrained net benefit maximizing of quality care in incentive practice, while preventing cost-shifting and cream skimming incentives.
Course Structure

Day 1: Reimbursement: principles and methods for optimising decision making under uncertainty

0845–0900 Arrival with tea and coffee
0900–1030 Principles and practice of economic evaluation in health technology assessment: coverage, comparability, opportunity costs and thinking outside the box
1030–1045 Morning Tea Break
1045–1215 Frankenstein’s Monster or Vampire of Trials: avoiding inferential fallacies in evidence synthesis and translation
1215–1300 Lunch
1300–1400 Decision Analysis, and Decision Tree Methods
1415–1445 Extrapolating cost-effectiveness evidence for a jurisdiction of interest
1445–1515 Afternoon Tea Break
1515–1615 Principles and practical methods for economic evaluation of community based health promotion and prevention programs
1615–1700 Beyond QALYs – the importance of multiple outcome domains, particularly in palliative care

Day 2: Research and reimbursement under uncertainty: Optimal trial design within and across jurisdictions

0900 – 1000 Probabilistic Sensitivity Analysis (PSA) — from parameter uncertainty to net benefit uncertainty
1000–1100 Joint Research and reimbursement decisions: Value of information (VoI) to decision makers & principles for efficient trial design
1100–1115 Morning Tea Break
1115–1215 Optimal global trial design and decision making
1215–1245 VOI and pricing with optimal global trial design: Better aligning manufacturer and decision maker interest and enabling feasible risk sharing.
1245–1330 Lunch
1330–1430 Best informing societal decisions when comparing two or more strategies: the cost-disutility plane and expected net loss curves and frontiers
1430–1500 Tutorial: ENL curves and frontiers
1500–1530 Afternoon Tea Break
1530–1700 Multiple outcome comparisons—robust presentation and summary measures

Day 3: Research, reimbursement and regulation in practice

0900–11.00 The net benefit correspondence theorem: creating incentives for evidence based medicine in practice
1100–1115 Morning Tea Break
1115–1215 Bridging the Silos: maximising quality within a budget
1215–1300 Lunch
1300–1400 Health Shadow price and the opportunity cost of reimbursement: the economically meaningful threshold value
1400–1500 Opportunity cost of reimbursement: the economically meaningful threshold value
1500–1530 Afternoon Tea Break
14-15 – 1545 Health care policy with an ageing population: where should health and aged care reforms be heading?
Speakers

DR NIKKI MCCAFFREY
Faculty of Medicine, Nursing and Health Sciences, Flinders University

Nikki McCaffrey is a health economist with a pharmacy background and over ten years’ experience in health technology assessment and health economic analysis in palliative care. She works for Flinders Health Economics Group and the Palliative Care Clinical Studies Collaborative (PaCCSC), a national collaboration of researchers engaged in Phase III studies in palliative care.

Dr McCaffrey has been successful as: a researcher, applying qualitative and quantitative approaches in palliative care economic evaluation, outcome measurement, the quality use of medicines, healthy ageing and epidemiology; a health technology evaluator, critiquing applications to the Australian Pharmaceutical Benefits Advisory Committee; and a pharmaceutical adviser, providing guidance to over 40 GPs regarding the cost-effective use of medicines.

Dr McCaffrey is an investigator on competitive research grants totalling more than A$4 million. Her original research includes:

- Comparison in cost-disutility space to best inform risk neutral or risk averse decision makers when comparing more than two strategies with multiple outcomes in health technology assessment;
- Outcome measurement in palliative care economic evaluations, including the development of disease specific preference based economic measures;
- Evaluation of community models of palliative care; and
- Development of discrete choice attributes from qualitative data.

Dr McCaffrey is an advisory group member for the Specialist Palliative Care and Advance Planning Advisory Service for Aged Care, a national project funded by the government ($14.95 mill), a research executive member of the South Australian Palliative Care Clinical Network, and a PaCCSC Scientific Committee board member.

Formal academic qualifications include an honours degree in pharmacy, postgraduate diplomas in clinical pharmacy and health economics and policy, a master’s degree in prescribing sciences and pharmacoeconomics, and a doctoral degree in health economics.

PROFESSOR SIMON ECKERMAN
Sydney Business School, University of Wollongong

Simon Eckermann is Senior Professor of Health Economics at the Australian Health Services Research Institute and University of Wollongong.

His original research and collaborations have established missing links between optimal decision making in research, reimbursement and regulation in practice and are extensively published in the highest impact health economics and decision making journals, and clinical and policy journals with his applied research.

Related principles and methods have been taught by Professor Eckermann to more than 500 students from a wide range of clinical, research, policy and health technology assessment backgrounds since 2000, with the ‘Health Economics from Theory to Practice’ course he established with Professor Willan in 2005 consistently rated by participants as the best course of its type internationally.

The related Health Economics from Theory to Practice text (Eckermann 2017) combines principles and robust methods for jointly optimising:

(i) Evidence synthesis and translation (Eckermann, Coory and Willan 2009, 2011);
(ii) Comparisons of multiple strategies (Eckermann, Briggs and Willan 2008; Eckermann and Willan 2011);
(iii) Evaluation of health promotion and prevention programs allowing for network multiplier effects (Eckermann et al 2014);
(iv) Health care efficiency and providers in practice consistent with maximising net benefit in allowing for quality of care (Eckermann and Coelli 2013; Eckermann 2004);
(v) Multiple domain comparisons, particularly critical to evaluation of areas such as palliative care (McCaffrey et al 2015);
(vii) Adoption, pricing and financing of new technology consistent with the health shadow price (Pelkasry 2012, 2014, Eckermann and Bekasry 2014) and;
(viii) Health and aged care policy reform for budget constrained successful ageing of baby boomer populations policy (Eckermann 2014; Eckermann and Sheridan 2016; Eckermann, Sheridan and Ivers 2016).

He is a CI on competitive research grants totalling more than A$25 million since 2005 and actively sits on and undertakes guideline revision and health economics educational activities for National decision bodies including the Pharmaceutical Benefits Advisory Committee Economic Sub-Committee (PBAC ESC 2005-2010), National Palliative Care Trials Scientific Committee (2006-2014), Prostheses List Advisory Committee (2012-2014), Victorian Cancer Agency (2015-) and Food Standards ANZ (2017-) as well as various NHMRC grant review committees.
REGISTRATION

The three-day workshop fees include all seminar and tutorial teaching materials, plus lunch each day.

Academic / Public Sector: A$1195

Private / Commercial Sector: A$1995

If you wish to register for the three-day Health Economics: From Theory to Practice: Optimally Informing Related Decisions of Reimbursement, Research and Regulation in Practice, visit:

www.sydneybusinessschool.edu.au/about/events/health-economics

To purchase the book, Health Economics from Theory to Practice - Optimally Informing Joint Decisions of Research, Reimbursement and Regulation with Health System Budget Constraints and Community Objectives, visit:


Registration Closing Date: 10 November 2017

Cancellation Policy

A refund will be returned less AUD$100 administration fee for a cancellation up to 10 November 2017.

THERE WILL BE NO REFUNDS after 10 November 2017.

Workshop size strictly limited to 25 delegates.

For further information please contact:

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