

2nd Pharmacoepidemiology Research Network Symposium

Friday 25 November 2016, 10:00am – 4:30pm

St Margaret's College, Dunedin

Valentine Common Room

PROGRAMME

9:30am – 10.00am	REGISTRATION AND REFRESHMENTS
10:00am – 10:10am	WELCOME Lianne Parkin, Epidemiologist, Department of Preventive and Social Medicine, Dunedin School of Medicine, University of Otago
SESSION ONE	KEYNOTE SESSION Chair: Lianne Parkin
10:10am – 11:00am	Alan Brookhart, Professor of Epidemiology and Medicine, University of North Carolina, Chapel Hill <i>Estimating the effect of potentially preventable medication non-adherence</i>
11:00am – 11:15am	BREAK
SESSION TWO	COMPLETED WORK Chair: Simon Horsburgh
11:15am – 11:30am	Erin McKergow, Medical Student, Dunedin School of Medicine, University of Otago <i>Demographic and regional disparities in insulin pump utilisation in a setting of universal funding: a New Zealand nationwide study</i>
11:30am – 11:45pm	Daniel Myall, Mathematician, New Zealand Brain Research Institute, Christchurch <i>Epidemiology of Parkinson's in New Zealand: sex, age, and future burden</i>
11:45pm – 12:00pm	Toni Pitcher, Research Fellow, New Zealand Brain Research Institute, Christchurch <i>Parkinson's disease in New Zealand: ethnic and regional analyses</i>
12:00pm – 12:15pm	Karyn Maclennan, formerly Project Manager, Department of Preventive and Social Medicine, Dunedin School of Medicine, University of Otago <i>Public knowledge and desire for knowledge about drug safety issues: a survey of the general public in New Zealand</i>
12:15pm – 1:15pm	LUNCH

SESSION THREE	MAKING SENSE OF DATA Chair: Katrina Sharples
1:15pm – 1:30pm	Alan Brookhart, Professor of Epidemiology and Medicine, University of North Carolina, Chapel Hill <i>Visualizing individual-level patient data</i>
1:30pm – 2:00pm	Jason Arnold, Manager, Analysis, PHARMAC <i>Making sense of big data</i>
2:00pm – 2:15pm	Sarah Donald, PhD Candidate, Department of Preventive and Social Medicine, Dunedin School of Medicine, University of Otago <i>Disentangling age at dispensing – patient category mismatches in the Pharmaceutical Collection</i>
2:15pm – 2:30pm	Matthew Dwyer, Information Analyst, Analytical Services, Ministry of Health <i>Pharmaceutical Collection updates from the Ministry of Health</i>
2:30pm – 3:00pm	AFTERNOON TEA
SESSION FOUR	WORK IN PROGRESS Chair: Jimmy Zeng
3:00pm – 3:15pm	Josh Quon, Medical Student, Dunedin School of Medicine, University of Otago <i>Co-prescribing in simvastatin users: are guidelines being followed?</i>
3:15pm – 3:45pm	Jason Arnold, Manager, Analysis, PHARMAC Sarah Radke, Research Fellow, National Institute for Health Innovation, UniServices, University of Auckland <i>Electronic prescribing systems and individual-level data about medication use in hospital</i>
SESSION FIVE	PANEL DISCUSSION Chair: Lianne Parkin
3:45pm – 4:30pm	Chris James, Group Manager, Medsafe Scott Metcalfe, Chief Advisor Population Medicine / Deputy Medical Director, PHARMAC Tim Stokes, Professor of General Practice, Dunedin School of Medicine, University of Otago <i>Future directions and priorities for research into the utilisation and safety of medicines and medical devices</i>
6:00pm	INFORMAL DINNER AT OMBRELLOS

KEYNOTE SPEAKER

M. Alan Brookhart is a Professor of Epidemiology and Medicine at UNC Chapel Hill. His research is focused primarily on the development and application of statistical and epidemiologic methods for studies of prescription medications, vaccines, and other exposures using large clinical and healthcare utilisation databases. In this area, he has made contributions to the development of quasi-experimental approaches that can be used to estimate causal effects in the presence of unmeasured or poorly recorded confounding variables. He has also been involved with the development of propensity score and marginal structural model methodology and has also developed new epidemiologic approaches for studying patterns of use medications and healthcare services. Substantively, his research focuses primarily on patients with end-stage renal disease. Professor Brookhart has published over 200 papers in leading journals in medicine, epidemiology, and biostatistics. He serves on the Editorial Board of *Pharmacoepidemiology and Drug Safety*, *American Journal of Kidney Disease*, and *Observational Research*.