

Presenting data: how to convey information most effectively

Friday 20th February 2015

About the event:

For information to drive change it must be interpreted and understood. Sometimes important messages are not actioned because they are not conveyed in a way which motivates change. In this seminar we discuss the importance of considering how to present data to your audience. We give some clues on how data might be displayed and tips on how to avoid presenting data. At the end of the day, we anticipate delegates will better understand different methods and techniques that can be used to present data in a way that can optimise impact.

Who should attend:

This event is relevant to:

- Clinicians;
- Early career researchers;
- Hospital administrators;
- Quality managers;
- Clinical research coordinators;
- Clinical informatics;
- Data managers;
- Postgraduate students;
- Quality managers; and
- Those interested in audit and quality.

Venue: The Alfred Medical Research and Education Precinct (AMREP) lecture theatre, 75 Commercial Rd, The Alfred, Melbourne Vic 3004.

This is located 100m west of the Punt and Commercial Rd intersection.

Event date: Friday 20th February 2015

Event time: 9:00am - 3:45pm
(Registration opens at 8:30am)

Cost: \$195 pp (inclusive of GST)

A 20% discount applies for Monash University staff and students with payment via internal transfer. Email cost centre, fund source to crepatientsafety@monash.edu.

Catering provided.

Payment and registration:

<http://aireys.its.monash.edu.au/medicine/product.asp?pID=530&cID=8>
Registration is finalised only once you receive a registration confirmation email from the administrator.

Terms and Conditions: Refunds will not be given if cancellations are advised less than seven days prior to the event. Please note, a colleague is always welcome to attend in your place.

Further venue details, accommodation and parking information can be found on our website at:

<http://www.med.monash.edu.au/sphpm/creps/seminars.html>

Enquiries to Catherine Pound on +61 3 9903 0891 or crepatientsafety@monash.edu.

Finance office use only M15004 / 3260397 CREPS Workshops



MONASH University

School of Public Health and Preventive Medicine



Centre of
Research Excellence
in Patient Safety

Speaker details

(in order of appearance)

Dr Gary Deng is a Lecturer of Statistics at the Department of Statistics, Data Science, and Epidemiology at Swinburne University. He completed both his undergraduate and postgraduate studies at the Department of Econometrics and Business Statistics at Monash University. He has also spent a number of years working as a research fellow at the same department. His main research areas are in spatial econometric modelling and time series modelling. His most recent research interests are in Bayesian variable selection and shrinkage methods and their applications in spatial structure identification.

Dr Jessica Kasza is a biostatistician in the Department of Epidemiology and Preventive Medicine at Monash University. After completing a PhD in 2010 at the University of Adelaide, she spent time at the University of Copenhagen, before returning to the University of Adelaide. She has been at Monash University since April 2013. Her work with registry data has included the development of statistical methodology for the comparison of the performance of healthcare providers, and for the investigation of changes in the performance of providers over time, with major application to the Australian and New Zealand Intensive Care Society Adult Patient Database. In addition to these topics, she is interested in causal inference methods for the comparison of treatments, with particular application to data from the Australia and New Zealand Dialysis and Transplant Registry.

Mr Chris O'Gorman has over 25 years of experience in Health and hospitals holding Executive Director and senior management roles in public teaching hospitals in a casemix/ABF funding environment in Victoria. Since 2009, as a consultant to the Health Roundtable, Chris has led the Costing Improvement Group in the development of peer-based, management costing briefings, highlighting significant, potential savings opportunities across participating health services. The costing group produces cost analysis across the patient journey of Inpatient, Emergency, and Outpatients including standard cost reports, peer comparison briefing reports, and cost vs. revenue analyses for around 40 - 50 hospitals across Australia and New Zealand. Over the last five years, Chris has consulted to a range of organisations including the Victorian Department of Health. Projects include examining the development of performance measures to assist health service performance monitoring, and reviewing the current state and future directions of clinical costing in Victoria in an ABF environment.

Associate Professor Arul Earnest is an Associate Professor with the Biostatistics Unit in the School of Public Health and Preventive Medicine, Monash University. His current research interest is in Bayesian spatio-temporal models. For more than 15 years, Arul has provided consultative and collaborative methodological input to various collaborators. The outcome for some of this work has been more than 120 publications in a variety of peer-reviewed international journals, including BMC Health Services Research, BMJ and JAMA, numerous presentations, as well as several research awards. He has extensive experience in conducting talks on biostatistics and research methodology.

Ms Sophie Dyson is an actuary specialising in healthcare data analytics. Her current position is as General Manager of Data Analytics Development at CMC Insurance Solutions (CMCIS), a subsidiary of the Capital Markets Cooperative Research Centre

(continued overleaf)

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Speaker profiles

(CMCRC). In this role, Sophie combines commercial healthcare analytics software development and consulting with an involvement in the CMCRC's Health Market Quality research program. Sophie has spent the last 13 years working in healthcare in a wide variety of roles: actuarial pricing, product design, reserving and risk management advice to the private health insurance industry; strategic and policy advice to government agencies and healthcare NGOs; financial modelling and funding advice to public and private sector clients; ambulance infrastructure project management and operational improvement.

Dr Kathleen Gray is a Senior Research Fellow in the Health and Biomedical Informatics Centre at the University of Melbourne, and a Fellow of the Australasian College of Health Informatics. Her research spans e-health and e-learning and the influence of the Internet in healthcare and biomedicine - especially on scholarly practice; on citizen participation; and on the health workforce. She coordinates the Health specialisation within Melbourne University's IT and Information Systems Masters degrees. She has held academic development roles in health and life sciences, and information management roles in health and education. She has qualifications in linguistics, education, environmental science and library and information science.

Dr Guillermo Lopez Campos holds a BSc in Chemistry, with specialty in Biochemistry and Molecular Biology and a PhD in Molecular Biology. He has extensive experience in clinical bioinformatics and biomedical informatics. He started his career in the Bioinformatics Unit at the Spanish National Institute of Health "Carlos III" in 1998, where he worked until he joined The University of Melbourne in July 2012. His areas of research interest include information models and analysis to facilitate new approaches of precision medicine in cancer and infectious disease.

Associate Professor Geoff Morgan has more than 20 years' experience in environmental epidemiological research, as well as environmental health policy and education. The results of his research have been translated into environmental health and health services policy and his current work includes epidemiological studies into: the health effects of air pollution from various sources including bushfires and wood heaters; the effects of drinking water quality on health; the health effects of heatwaves; the relationship between neighbourhood walkability and health; modelling service delivery for rural and remote health services in Australia.

PROGRAM

Time	Area covered	Speaker and Organisation
0830	REGISTRATION (arrival tea/coffee)	
Session 1		
0900 - 0920	Opening address	
0920 - 0950	Spatial heterogeneity: implications for understanding disease distribution	Dr Gary Deng, Swinburne University
0950 - 1020	Outcomes over time: presenting data and testing for changes	Dr Jessica Kasza, Monash University
1020 - 1050	Getting traction with Clinicians - using health roundtable data to improve performance	Mr Chris O'Gorman, The Health Roundtable
1050 - 1120	MORNING TEA (30 minutes)	
Session 2		
1120 - 1200	How <i>not</i> to analyse and present data	A/Prof Arul Earnest, Monash University
1200 - 1230	Using data to improve quality and control healthcare costs	Ms Sophie Dyson, Capital Markets Cooperative Research Centre
1230 - 1250	Panel	
1250 - 1340	LUNCH (50 minutes)	
Session 3		
1340 - 1410	Applying principles from computer science, statistics, mathematics, and engineering to health data	Dr Guillermo Lopez Campos, The University of Melbourne
1410 - 1440	Presenting health data to patients: who's doing what, why, and how well?	Dr Kathleen Gray, The University of Melbourne
1440 - 1510	Mapping disease – using routinely collected health data to investigate spatial patterns of disease	A/Prof Geoff Morgan, University of Sydney
1510 - 1545	Panel	
1545	CLOSE	