



Working with PBS Data

Medicine and Device Surveillance CRE, University of South Australia

Are you working with linked health claims data that includes pharmaceuticals? The Pharmaceutical Benefits Scheme data set is a valuable resource for the evaluation of medicines use in Australia. Like all data sets it has some unique characteristics. This training program will enable you to understand the peculiarities of the PBS and MBS data and give hands on experience to successfully work with it.

Introduction to PBS Data
Working with PBS Data

19 February 2019
20-21 February 2019

Presenters

Prof Libby Roughton is a Research Professor at the University of South Australia. Her research interests include public policy concerning medicines, quality use of medicines, health program planning, implementation and evaluation, and medicines safety. Libby has been working with Australian Pharmaceutical Data since 1995 and using linked pharmaceutical data since 2004. She is a member of the Drug Utilisation Subcommittee of the Pharmaceutical Benefits Advisory Committee and the Medication Safety Reference Group of Australian Commission on Safety and Quality.

Assoc. Prof Nicole Pratt is an Associate Research Professor of Biostatistics and Pharmacoepidemiology at the University of South Australia. Her interests are in the development of statistical methods for use in health care data to monitor the use, safety and effectiveness of medicines. Nicole has significant experience in using large health care datasets and her expertise in the evaluation of health data sources is recognised nationally and internationally. Nicole is also a member of the Drug Utilisation Subcommittee of the Pharmaceutical Benefits Advisory Committee and is a member of the Observational Health Data Sciences and Informatics (OHDSI.org) collaboration.

Dr Lisa Kalisch Ellett is an NHMRC Dementia Research Development Fellow with research interests in quality use of medicines, generic medicines and brand substitution, pharmacoepidemiology and pharmaceutical policy. She has been involved in working with large, linked administrative health claims databases, including retrospective analysis of data to identify associations between medicine use and health outcomes, and the impacts of health policy on medicine use. Lisa is a registered pharmacist with clinical experience in the acute care setting, and a focus on aged care pharmacy.

Emmae Ramsay is a statistician with over 10 years' experience. She is a key researcher with the Medicine and Device Surveillance CRE and has worked previously with the Data Management and Analysis Centre. She has developed expertise in the use of large health care datasets through her work with the Veterans' MATES project.

Dr Anna Kemp-Casey is a Research Fellow at the University of South Australia. She has over 10 years of experience working with PBS data and other Australian linked health datasets across multiple jurisdictions. She is a former member of the Drug Utilisation Subcommittee of the Pharmaceutical Benefits Advisory Committee and co-founder of Medicines Use Research Australia.



Program

Introduction to PBS Data

19 February 2019

This day long course is designed for people with limited or no experience in using the PBS data. It will cover the Schedule of Pharmaceutical Benefits, the sections and types of listings, the pharmaceutical coding systems, including the World Health Organization Anatomical Chemical and Therapeutic classification, and defined daily doses. Participants will gain knowledge of issues that affect data analysis, including historical changes, fixed dose combination products, regulations 24 and 25, concessional status, the safety net, under-copayment and section 100. Using Australian examples, participants will be able to practice interpretation data and trends. The workshop will include a hands-on session, where participants are able to use a simulated dataset to enable calculation of trends in utilization, defined daily doses and rolling annual averages. Some knowledge of statistical software is desirable.

Working with PBS Data

20-21 February 2019

This two day course is designed for people with some prior knowledge in using the PBS data, and some knowledge of statistical software is desirable.

Day one will cover working with patient level Pharmaceutical Benefits Data including creating trends, segmented regression analysis for time series data and ascertaining prescription durations. The workshop will include multiple hands-on sessions where participants are able to manipulate the data to create time series trends and to evaluate the effects of interventions on the series.

Day two will cover compliance and persistence studies including methods for compliance and persistence assessment, such as medication possession ratio, proportion of days covered and continuous measure without gaps. We will also create episodes of prescription exposure and episodes of co-administration and Kaplan Meier survival analysis will be presented for analysis persistence studies. The workshop will include a hands-on session where participants are able to manipulate the data to undertake both compliance and persistence assessment and to enable prescription medicine duration episodes and co-administration episodes to be developed.

Administration:

Registration: [Conference Online](#)

Quality Use of Medicines and Pharmacy Research Centre

Date and Time: 19-21 February, 2019 10.00am – 5.00pm

Venue: UniSA, City East Campus, Playford Building, Adelaide CBD

Fees: Day1 only \$500+GST, Days 2&3 only \$750+GST, combined \$1000+GST
(limited student registrations at reduced cost are available)

Inclusions: Morning Tea (on arrival) and Afternoon Tea

Cancellations: Cancellations will incur an administrative fee *Reaistrations may be transferred, please contact us by [email](#)*