

welcometrust
**Exploiting Existing Data
For Health Research**

Advanced Training Workshop, 4-8th June 2012
University of St Andrews
Geography & Geosciences
Irvine Building
St Andrews KY16 9AL



Presented by [Professor D’Arcy Holman](#)

This is an intensive five-day course on the theory and practice of analysis of large sets of linked administrative health data at an intermediate to advanced level. Advanced principles of health care epidemiology are combined with hands-on practical exercises in the implementation of computing solutions.

Dates Monday 4th June 2012 to Friday 8th June 2012

Registration Fees To register for the Advanced Training Workshop please complete the on-line registration form at [the University of St Andrews online Shop](#)

The fee for the Advanced Workshop is £350, which includes registration, lunches and coffees/teas (the fee for postgraduates and the unwaged will be £140 although the number of such spaces will be limited so please apply early). Registration for the Advanced Workshop will close on **Friday 25th May 2012**. Total places for the Advanced Workshop are limited to 35 so please book early.

Cancellation policy Cancellations after **Friday 25th May 2012** may incur a 50% penalty. All cancellations must be [submitted via email](#) to ship@st-andrews.ac.uk

Professor D’Arcy Holman MBBS(Harv.) PhD Gclaw GAICD FACE FPHALL FAFPHM FAIM

Professor D’Arcy Holman holds the Foundation Chair in Public Health at The University of Western Australia. The world class WA Data Linkage System was instigated by Professor Holman in 1995 as one of only six comprehensive systems of its type in the world. His research interests focus on the use of innovative epidemiological methods to study the utilisation and outcomes of health services. His published works exceed 400 and he has made significant contributions to research training in Australia and by teaching courses by invitation in other locations around the globe. He was recently appointed to the international panel for review of the Canadian Institutes for Health Research and was awarded Permanent Guest Professor status at the School of Medicine at Zhejiang University in the People’s Republic of China. Professor Holman has received the Centenary Medal of Australia for his voluntary services to the Australian health system and in 2006 he was awarded his country’s highest professional honour for his field, the Sydney Sax Public Health Medal, in recognition of his contributions to the promotion and protection of the community’s health.

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Educational objectives

Professor Holman provides students with a theoretical grounding in the classroom on each topic, followed by a training session on the corresponding technological computing solutions. Students use fictitious but realistic linked data files on CD-ROM in the hands-on exercises.

Advanced Analysis of Linked Health Data provides health researchers with the opportunity to build on their pre-existing theoretical knowledge and skills in the analysis of linked health data by exploring a number of advanced topics. Upon completion the participant will:

- ◆ have consolidated their grasp of foundation concepts of health care epidemiology and data analysis
- ◆ possess an advanced understanding of methods for the conceptualisation and construction of valid measures and effect measures of health care utilisation and outcomes based on complex, multi-sourced linked data sets
- ◆ understand complex longitudinal research designs and how to implement them using multi-sourced linked data sets
- ◆ understand case distribution designs and how to implement them using multi-sourced linked data sets
- ◆ have skills in the analysis of linked mortality, institutional, pharmaceutical and primary care health data
- ◆ be able to write computing syntax to prepare complex linked data files for analysis, derive exposure and outcome variables, relate numerators and denominators and produce results from advanced statistical procedures

Course prerequisites

The course assumes that students have completed *Introductory Analysis of Linked Health Data* or have equivalent knowledge. The computing component of the unit assumes a facile competence in the preparation of computing syntax for SPSS, SAS or STATA and familiarity with the statistical analysis of linked data files at an introductory to intermediate level.

Accommodation

You are responsible for booking your own accommodation. There are rooms available in the University Residence New Hall St Andrews at a cost of £43 per night Bed & Breakfast. Please register your requirements when registering on the Online Shop.

Meals - Please note that only Lunches, Teas and Coffees are provided at the Workshop

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You may wish to participate in the following two social events:

Monday 4th June 2012 - 6.30p.m. - Beer & Wine Social Evening

Tuesday 5th June 2012 - 7.30p.m. - Witches Tour

<http://www.st-andrewswitchestour.co.uk/>

Please complete the form on the Online Registration Form.

Getting to St Andrews

<http://www.standrews.co.uk/plan-your-trip-to-st-andrews/getting-to-st-andrews/>

Please direct any further enquiries to ship@st-andrews.ac.uk

EARLY REGISTRATION FOR THE ADVANCED TRAINING WORKSHOP IS RECOMMENDED



University of
St Andrews

600
YEARS



Longitudinal Studies Centre - Scotland
Home of the Scottish Longitudinal Study



DUNDEE

hic
health informatics
centre

