

Statistics for Critical Appraisal of Health Research

This course is suitable for health care professionals who want to develop their skills in evidence based practice or those who are involved in or planning a research project.

The course is less suited to people with no prior knowledge in statistics or those with a high level of experience in bio-statistics. However it is an opportunity to refresh your knowledge of statistical methods in the critical appraisal of health research literature.

Participants will be required to attend all four sessions.

Dates:	Week 1: Thursday 9th October Week 2: Thursday 16th October Week 3: Thursday 23rd October Week 4: Thursday 30th October
Time:	9am to 11.30am (8.45-9am tea / coffee provided)
Venue:	Griffith University Mount Gravatt campus Psychology Building M24 Room 2.37
Cost:	Free, limited places, bookings essential

Week 1: Study Designs: Describes different types of experimental & observational studies and relevant sampling methods for each study design.

Week 2: Estimation: Describes different types of data and how to summarise the data, measuring variability, distributions, confidence intervals, and sampling error.

Week 3: Tests of Significance: Describes significant testing for different types of data. Including hypothesis testing, p-values, and type 1 & 2 errors; also chi-squared and non-parametric tests.

Week 4: Clinical Measurement: Describes tests for comparisons of risks. Also to discuss diagnostic tests and sensitivity and specificity testing. Will summarise and review topics covered in the course.

The course will draw on examples from health related journal articles to discuss the application of study designs and interpretation of the statistical methods described above.

About the Trainer: Robert Ware has been teaching medical statistics to UQ students and QLD Health staff since 2003. He gained his PhD in numerical approximation in Christchurch in 2002 and is currently employed as a Lecturer with the University of Queensland School of Population Health, where he works on a wide range of applied statistics problems with colleagues from a wide range of backgrounds.

Bookings: Fax registration form to 07 3382 1338 or Email Xanthe Golenko x.golenko@griffith.edu.au or call 07 3382 1337.

This workshop series is presented by Griffith PHCRED
funded by the Australian Government