



 MONASH University

Needing help with biostatistics?

Introduction to Biostatistics

Friday 20 May 2016

08:45 am – 17:00 pm

The Alfred Centre, Commercial Road, Melbourne

This program has been designed in response to repeated requests from early career researchers for more training and support in the area of biostatistics.

The course is not designed to explore electronic tools or platforms for the management of data; rather it will provide students with grounding in biostatistical theory and concepts to enable their future use of such technologies.

By the end of this program, students will be able to answer the following questions:

Key learning areas:

- What types of variables are there?
- How is data summarised?
- What is a mean and a median?
- What is a standard deviation and a range?
- What type of graphs are there?
- What methods are used to analyse data?
- How is a 2 by 2 table used?
- How should a confidence interval be interpreted?
- How should a p-value be interpreted?
- What is the difference between clinical and statistical significance?
- How is a sample size calculated?
- How are diagnostic tests calculated and interpreted?
- How does one plan the statistical methods for a research project?
- How does one interpret the statistics in a clinical paper?

Introduction to Biostatistics is accredited for 7 ACEM CPD hours and 6 ACRRM core points.

It is highly recommended that students complete the "Introduction to Research Methods" course prior to attending the "Introduction to Biostatistics". Content covered in the Research Methods course will be assumed knowledge for students attending the Introduction to Biostatistics.

- More information on Introduction to Research Methods: <https://alfredtc-professional-development.cvent.com/IRM2016>
- A discounted registration is available for students who attend both courses.
- If you have previously attended the Introduction to Research Methods please contact the Program Coordinator on +61 3 9903 0305 to process your reduced registration for Introduction to Biostatistics.



• \$300 (+ GST) • Registration: <https://alfredtc-professional-development.cvent.com/IB2016> •

• Contact: etc@alfred.org.au +61 3 9903 0305 •