

Medical Statistics For Non-Statisticians

If you have no formal training or qualifications in medical statistics, but need a basic understanding as part of your role, then this course is ideal for you.

What Is The Course About?

Statistics are an important part of the clinical trial process. This course provides a good understanding of the terminology and the methods employed to ensure that clinical trials are designed and analysed appropriately.

By the end of the course, you will be able to:

- Understand the basic principles of medical statistics
 - Understand the importance of statistics in clinical trials
 - Have a greater understanding of the statistical principles in the design of clinical trials
 - Describe study endpoints and how data are described and presented
 - Understand the different elements involved in significance testing and interpret the results of statistical analyses
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The Trainer

Dr Ian Dews

Ian is a qualified medic with more than 25 years of experience of drug development as both an investigator and a pharmaceutical physician. He is a director of a small consultancy company providing drug development and regulatory support to the pharmaceutical and medical device industries. Ian's previous role was as European Director of Drug Development for a global, full service CRO where he was responsible for working with clients to develop compounds from the discovery stage through to the conclusion of clinical research.

Prior to this, Ian was the European Medical Director of a global, full service CRO. In this role he was involved in the writing of Clinical Development Plans and Expert Reports and was responsible for the supervision of global drug development programmes.

He has acted as an investigator in more than 50 hospital clinical trials in the fields of heart failure, angina, hypertension, arrhythmia and clinical pharmacology. He is a key Rostrum trainer, and has been delivering successful courses since its inception in 1987.

Ian is a Fellow of the Faculty of Pharmaceutical Medicine and acts as a Senior Specialist Adviser within the Higher Medical Training programme of the Faculty.

Course Fee: £599 +vat

If you book on the course more than 9 weeks in advance, a 10% discount will be applied.

Location: The Regency Hotel, 100 Queens Gate, South Kensington, London, SW7 5AG

For more information about this or any of our other courses or services, please call us on +44 (0)118 975 4512 or visit our website www.rostrumtrainingsolutions.com

Programme

Medical Statistics for Non-Statisticians

Welcome & Introduction

How Statistics are Used in Clinical Trials

- What is/are statistics?
- The role of the Statistician

Study Design

- Endpoints
- Power and sample size
- Randomisation
- Blinding
- Superiority/Equivalence/Non-inferiority

Data Summary and Analysis

- Data types
- Descriptive statistics
- Hypotheses, p-values and confidence intervals

Analysis Planning

- The Statistical Analysis Plan
- Analysis Sets
- Interim Analyses
- Multiplicity

Analysis and Reporting

- Unblinding
- Final analysis
- Statistical Reports
- Clinical Study Report

Summary & Close