|  | **A PSI Training Course on** |
| --- | --- |
| **Tues 14th November 2017**<br>**Reading, UK** | **Statistics Fundamentals for Clinical Trials for Non-Statisticians (or 'How to speak stats in a day!')**<br><br>**Presented by**<br><br>**Gemma Hodgson**<br>(Qi Statistics Ltd) |

This basic but wide-ranging course covers techniques for investigating, visualising and performing basic statistical techniques on data sets typical to industry settings. There are many basic concepts that need to be understood before statistics can be used to its full potential to give useful and informative answers. This course ensures that these concepts are understood in a non-technical way and then demonstrated using data examples.

Mathematical details are kept to a necessary minimum and we focus on the interpretation of statistical output and illustrate applications with data from dummy clinical trials or published data. The objective of the course is not to teach you how to become a statistician, but to help you work with statisticians and get the maximum value from statistical output.

The course will consist of lectures, practical examples and discussions. There will not be any computer exercises.

**Target Audience:**

This is a 1-day course, aimed to introduce statistics to people who work on Clinical Trials, but who are not Statisticians. No previous knowledge of Statistics is assumed as we start right at the beginning with the basics. Many practical examples are given and the emphasis is on application and understanding rather than the equations and the technical background.

The basics of statistics are discussed to give background and a common base to start from and the applications and use of statistics in drug development is then discussed. The role of the statistician and their ability to help with decision making is also discussed.

It also serves as a useful refresher course to those who once studied statistics as part of a college course.

**The following key topics will be addressed:**

1. Types of Data

2. Measures of location and variability

3. Basic Inference

4. Power calculations and Sample Sizing

5. Design Issues

For more information on specific topics, please contact the presenter direct on gemma@qistatistics.co.uk

About the presenter:

**Gemma Hodgson, Qi Statistics Ltd. http://www.qistatistics.co.uk**

Gemma Hodgson has worked in the Pharmaceutical industry for 20 years. After receiving her first degree from Imperial College (Maths with Statistics) and then an MSc in Medical Statistics from London School of Tropical Hygiene and Medicine, Gemma began her career at Pfizer in Sandwich working in experienced global teams on major phase 3 projects. After 13 years at Pfizer and working in all phases of development, from phase 1 to phase 4, Gemma then moved to Takeda R &D in London where she worked on later phase projects, focussing on close liaison with other departments within the organisation. In 2012 Gemma left Takeda to work for a statistical training and consultancy firm, Qi Statistics Ltd, where training of non-statisticians and explaining statistical concepts to non-scientific audiences is key. Gemma has a broad interest in the application of statistics and is an experienced trainer to all types of audience, specialising in translating technical concepts into everyday English.

**Course runs from:**  **0945 – 17:00 (registration from 9:15)**

**Registration**

| Please register online at **www.psiweb.org** and click on Events; payment now available online. Registration costs (includes lunch and refreshments) ||
| --- | --- |
| **Registration before 13ᵗʰ October 2017** | **Registration on or after 13ᵗʰ October 2017** |
| £425 plus vat | £495 plus vat |

PSI aims to be fully inclusive and endeavours to accommodate delegates with disabilities wherever possible.  Please help us to help you by letting us know if you require additional facilities or have any special requirements.  Please contact us on +44 (0)1730 715 235 or at PSI@mci-group.com for further information.