CTC Resourcing Solutions

CLINICAL STATISTICS FOR NON-STATISTICIANS

'Everything you need to know – in a day'

10th November 2020

1-Day Course

Overview

In modern global pharmaceutical companies it is becoming increasingly important for non-statisticians to understand the value and application of statistics in order to maximise the value of the data.
This course is designed for professionals working in the pharmaceutical industry with no or little previous knowledge of Statistics as we start right at the beginning with the basics.
It will be non-software focused, but rather understanding the basic statistical concepts, interpreting output and discussing how the knowledge can be applied and integrated efficiently into the job role.

Course Objectives

This basic but wide-ranging course will cover techniques for performing basic statistical techniques on data sets typical to pharma 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. The 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 the focus is on 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 how to become a statistician, but to help to work with statisticians, ask them the right questions and get the maximum value when reviewing statistical output.
The basics of statistics are presented 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 explained.

The following **Key Topics** will be addressed

Part 1: The Basics

- Descriptive Statistics (Summary Measures of Location and Spread)
- Describing Variation (Standard Deviation & Standard Error)
- Presenting Results (p-values & Confidence Intervals)
- Visualisations for presentation and explanation
- Power and Sample Size (incl. Type I and Type II Error)

Part 2: Design Issues

- Choice of Endpoints
- Populations
- Avoiding Bias
- Crossovers vs Parallel Gp
- Equivalence & Non-Inferiority
- Multiplicity
- Missing Data

Who should attend?

The course is aimed to **introduce statistics to people who work on Clinical Trials, but who are not Statisticians** or **Professionals** working **in the** P**harmaceutical Industry** who wish to **gain basic knowledge of the subject.**

Course Leader

Gemma Hodgson, MSc, CStat. has worked in the Pharmaceutical Industry for over 20 years. Gemma began her career at Pfizer working in global teams on major phase III projects. After 13 years at Pfizer working in phase I through to phase IV, Gemma moved to Takeda R&D in London, focusing on close liaison with other departments within the organisation. Since 2012 Gemma has worked for and now runs Qi Statistics Ltd. Gemma has considerable experience in rolling out statistical training programmes to non-statisticians in a variety of industries.

Learning Methodology

Many practical examples are given and the emphasis is on application and understanding rather than the equations and the technical background. The training is interactive as far as possible and will include informal exercises (with answers!) and discussions.

Continuing Education

This course is accredited by the Swiss Association of Pharmaceutical Professionals (SwAPP) and the Swiss Society for Pharmaceutical Medicine (SGPM).

SwAPP Swiss Association of Pharmaceutical Professionals sgpm ashmp

CTC Resourcing Solutions

CLINICAL STATISTICS FOR NON-STATISTICIANS

1-Day Course

REGISTRATION FORM

First Name*: _____

Last Name*:

Company*: _____

Job Title*: _____

Billing Address*: _____

_____

_____

Telephone*: _____

Email Address*: _____

Background: _____

Experience: _____

_____

Are you a CTC employee? ☐ yes ☐ no

Are you a SwAPP member? ☐ yes ☐ no
Are you a SBA member? ☐ yes ☐ no

What do you expect to get from this course?

_____

_____

Do you require help in finding hotel accommodation?
☐ yes ☐ no

Do you wish to receive regular training updates? ☐ yes ☐ no

I agree to the terms and conditions ☐ yes

REGISTRATION INFORMATION

Date:
10th November 2020 (Tue)

Time:
09:00 – 17:00 hrs

Venue:
CTC AG, Münchensteinerstr. 41, CH-4052 Basel

Directions:
Tram 15, tram stop «Grosspeterstrasse»

Registration Fee: CHF 950.00 + 7.7% VAT
15 % reduction for SwAPP and SBA members
Special fees for CTC employees
Special rates available for PhD Students, please contact training@ctcresourcing.com

Registration fees include: Course documentation, refreshments, lunch and a course participation certificate.

Payment: After registration you will receive confirmation and an invoice with instructions on how to complete the bank transfer. Full prepayment is needed prior to the course.

Cancellation Policy:
- Cancellations received **more than 14 days before** course: **100% refund** less bank charges & cancellation fee of CHF 50.00
- Cancellations received **7-14 days before** the course: **50% refund**
- Cancellations received **7 days before** the course: **no refund**

In case of no show. no refund will be made.

Please note that CTC reserves the right to cancel this course or to make minor alterations to the content and timing of the programme or to the identity of the speakers. In the unlikely event of cancellation, delegates will be offered a full refund. CTC will not, however, be held responsible for any related expense incurred by the participant.

Transfer Policy
Subject to agreement from CTC Clinical Trial Consulting AG (CTC) prior to the event, the registration may be transferred to another person from the same company or organization at no extra charge. Updated registration information will be required.

Photography and Video Policy
By attending this training, you give permission for pictures, images etc. of you, captured during the training through video, photo, and/or digital devices, to be used by CTC in promotional materials, publications, and website and waive any and all rights including but not limited to compensation or ownership.

Privacy Policy
At CTC, we're committed to protecting and respecting your privacy. To view our privacy policy, go https://www.ctcresourcing.com/about-us/privacy-policy/

REGISTRATION:

☛ **Email:** training@ctcresourcing.com

☛ **Internet:** www.ctcresourcing.com

☛ **Fax:** +41 61 695 88 67

If you have NOT received an official confirmation 7 days after registering, please call CTC at +41 61 695 88 66 or send an email to training@ctcresourcing.com. THANK YOU!

☐ **These dates do not suite me - Please provide me with new training dates once available:**

First Name*: _____ **Last Name*:** _____

Email Address*: _____