Biostatistics for Research (Basic/Intermediate)
13 – 15 January 2020

Introduction
Participants will gain a good introduction to biostatistical concepts, particularly in the context of clinical trials and other aspects of clinical research.

Participants will learn the essential statistical considerations in clinical trials. In addition, various functions of the SPSS will also be taught. Participants will learn how to use SPSS for both qualitative and quantitative analysis.

Pre-Requisite
Participants should have statistical knowledge, used SPSS in the course of work and have computer skills (Microsoft Windows and Excel).

This course is not suitable for beginners in statistics.

Course Objectives
To equip participants with the knowledge and skills to design a database and perform basic data processing and analysis using SPSS.

A laptop with SPSS software will be provided.

Course Outline
- SPSS 1/SPSS Basics – Defining Data
- Introduction to Clinical Research Methodology
- Quantitative Analysis: Parametric and Non-Parametric tests
- SPSS 2/Merging files. Exporting files from Excel & Access. Syntax commands
- SPSS 3/Recording data, logical and compute statements. Charts & graphs
- Qualitative Analysis: Determining associations between categorical variables – Chi square, Fisher’s Exact and McNemar test. Use of Odds Ratios and Relative Risks
- Correlation & Linear Regression Association between Quantitative Variables
- Logistic Regression
- Survival Analysis
- Kaplan Meier and Cox regression for Analysis of Quantitative Data with Censoring
- Exercises & Q&A (at the end of each training day)

Course Details
Date: 13 – 15 Jan 2020
Duration: 3 days
Time: 9.00 am - 5.00 pm
Venue: SingHealth InfoTech Training Room
167 Jalan Bukit Merah
Level 3, Connection 1 Tower 5
Fee: $660 per pax (SingHealth)
(incl of 7% GST) $735 per pax (Regular)

Target Audience
Healthcare professionals, clinicians and researchers who wish to gain a good grounding in database design and biostatistical skills.

Teaching Faculty
Dr Chan Yiong Huak is currently Head of the Biostatistics Unit at the Yong Loo Lin School of Medicine, National University Health System. He has been actively providing guidance to medical researchers, conducting training courses in biostatistics and has published extensively in both overseas and local peer-reviewed journals. He is also the Associate Editor of the Singapore Medical Journal.

Registration
Ms Agnes Low
Email: agnes.low.s.m@sgh.com.sg

Quick links
FAQs
PGAHI Programmes
Training Calendar and Directory
Biostatistics for Research (Basic/ Intermediate)
13 – 15 January 2020

Submit your registration form to Ms Agnes Low at agnes.low.s.m@sgh.com.sg by 13 December 2019!

The information provided for course registration is true and accurate to the best of my knowledge. Submission of any false information will render my application void with no refund of registration fee. Submission of my professional certification or qualifications for auditing purpose may be required.

By registering for the course, you agree to the Terms & Conditions of PGAHI.

Quick links: FAQs, PGAHI Programmes, Training Calendar and Directory

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Any cancellation or replacement must be conveyed to PGAHI in writing. A cancellation fee of 50% of course fee will be charged if the cancellation is made before 13 December 2019. There will be no refund of course fee for cancellation on or after 13 December 2019. PGAHI reserves the right to cancel the course and fully refund the amount of registration fee paid to the participants should unforeseen circumstances necessitate it.

☐ For cheque payment, please issue a crossed cheque payable to “Singapore General Hospital Pte Ltd” and mail the cheque attention to Ms Agnes Low, SGH-PGAHI, 20 College Road, Academia, Level 2, Singapore 169856.

☐ For invoice to organisation, please complete the below billing details:

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By providing the information set out in this form and submitting the same to you, I confirm that I have read, understood and consent to the SingHealth Data Protection Policy, a copy of which is available at http://www.singhealth.com.sg/pdpa. Hard copies are also available on request.