



Biostatistics for Research (Basic/ Intermediate)

16 – 18 March 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/ Importing Excel dataset. Merging files. Data integrity and data cleaning. Graphs.
- SPSS 3/ Recording Data, Logical and Compute Statements.
- 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	: 16 - 18 March 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	: S\$ 660 (SingHealth) S\$ 735 (Regular) (inclusive of 7% GST)

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 received his PhD in Mathematics from the University of Newcastle, Australia (1993) and presently is the mentor of the Biostatistics Unit in the Yong Loo Lin School of Medicine, National University Health System, of which he was the head (2004 – 2015). Prior to his previous appointment, he was the head of Biostatistics and Data Management (1997 – 2004) in the Clinical Trials & Epidemiological Research Unit (CTERU), National Medical Research Council (NMRC). Actively involved in conducting research and statistical courses to help researchers in their aims of publication and to enhance their understanding of statistical knowledge. Authored/co-authored more than 500 publications, he also serves as the Specialty (Biostatistics) editor for the Singapore Medical Journal, a committee member of both the Product Vigilance Advisory Committee (PVAC) and the Medicines Advisory Committee (MAC), Health Science Authority (HSA) of Singapore.

Registration

Miss Agnes Low

Email: agnes.low.s.m@sgh.com.sg



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16 – 18 March 2020

Submit your registration form to Agnes Low at agnes.low.s.m@sgh.com.sg by **14 February 2020!**

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](#)

PARTICIPANT'S PARTICULARS		FEE
Name <i>(to be reflected on cert)</i> :		S\$660 (SingHealth) S\$735 (Regular) <i>(inclusive of 7% GST)</i>
Contact no.:	Employee No.:	
Email:		
Profession:		
<input type="checkbox"/> AHP <i>(please indicate)</i> : _____ <input type="checkbox"/> Doctor <input type="checkbox"/> Nurse <input type="checkbox"/> Others: _____		
Department:		
Organisation:		
PRN/ MCR/ Nursing no. <i>(if applicable)</i> :		

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 **14 February 2020**. There will be no refund of course fee for cancellation on or after **14 February 2020**. 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 **Agnes Low, SGH-PGAHI, 20 College Road, Academia, Level 2, Singapore 169856**.

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

BILLING DETAILS	
Bill to:	
Billing address:	
Attention invoice to <i>(name & department)</i> :	
Email of addressee:	Contact no. of addressee:

**Payer to bear all bank charges. PGAHI will not process registration if the amount received is insufficient.*

I consent to Singapore General Hospital and its related corporations (collectively ‘SingHealth’), their agents and SingHealth’s authorised service providers collecting, using, disclosing and/or processing my personal data, in order to send me marketing materials, etc.

I confirm and agree that my consents granted herein do not supersede or replace any other consents which I may have previously provided to SingHealth in respect of my personal data, and are additional to any rights which SingHealth may have at law to collect, use or disclose my personal data.

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.