



**SGH
PGAHI**

POSTGRADUATE
ALLIED HEALTH INSTITUTE

Biostatistics for Research (Advance)

11 – 13 May 2020

Introduction

The course, an extension of Biostatistics for Research (Basic/Intermediate) provides participants with practical skills and deeper knowledge in biostatistical concepts and analyses techniques.

Pre-Requisite

This course is recommended for participants who have previously enrolled for the Biostatistics for Research (Basic/Intermediate) Course.

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

Course Objectives

To equip participants with the knowledge and skills to design a database and perform data processing and analysis using SPSS. There will be exercises for participants to practice.

A laptop with SPSS software will be provided.

Course Outlines

- Basic and Intermediate Revisit
- Multinomial, Ordinal & Conditional Logistic Regression
- Linear Regression vs General Linear Model (GLM)
- Linear Mixed Models & GLM
- Repeated Measures GLM vs Mixed Model
- Generalized Estimating Equations (GEE)
- Poisson Regression & Weighted Logistic Regression
- ROC Analysis – Development of Risk Score Models
- Principal Components Analysis, Factor & Reliability Analysis
- Exercises and Q&A (at the end of each training day)

Target Audience

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

Course Details

Date	: 11 – 13 May 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\$ 740 per pax (SingHealth) S\$ 820 per pax (Regular) (inclusive of 7% GST)
	With VCF Funding* :
	S\$ 574 per pax (Singaporean/PR)
	S\$ 738 per pax (Foreigner)

**For NCSS member VWOs and MSF-funded VWOs only. Should PGAHI's reimbursement with NCSS be unsuccessful, the balance of course fees will be billed to the participant's organisation.*

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

Ms Amelia Lim

Email: amelia.lim.j.t@sgh.com.sg



Quick links

[FAQs](#)

[PGAHI Programmes](#)

[Training Calendar and Directory](#)



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11 – 13 May 2020

Submit your registration form to Ms Amelia Lim at amelia.lim.j.t@sgh.com.sg by **13 Apr 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

Name (to be reflected on cert):

Contact no.:

Email:

Profession:

AHP (please indicate): _____ Doctor Nurse Others: _____

Department:

Organisation:

PRN/ MCR/ Nursing no. (if applicable):

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 Apr 2020**. There will be no refund of course fee for cancellation on or after **13 Apr 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 **Ms Amelia Lim, 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 (name & department):

Email of addressee:

Contact no. of addressee:

Participant's Employee no. (if any):

- 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.