Biostatistics for Research (Basic/ Intermediate)
15 – 17 July 2019

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: 15 – 17 July 2019
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 per pax (SingHealth)
• S$ 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
The course will be facilitated by any one of the following trainers.

Dr Chan Yong 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.

Dr Shen Liang received her PhD in Statistics from National University of Singapore, and is currently working as senior biostatistician at the Biostatistics Unit in the Yong Loo Lin School of Medicine. She is actively involved in conducting research and statistical courses to help researchers in their aims of publication and to enhance their understanding of reading published articles. She serves as statistical reviewer for the international journal Disease of Colon and Rectum.

Contact & Enquiries
Ms Amelia Lim
Contact No.: (65) 6576 2710
Email: amelia.lim.j.t@sgh.com.sg

Find us on

Uniti Curamus, Semper Discimus - Together We Heal, Forever We Learn
Biostatistics for Research (Basic/Intermediate)  
15 – 17 July 2019

Submit your registration form to Ms Amelia Lim at amelia.lim.j.t@sgh.com.sg by 17 June 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. Click here or refer to PGAHI website for more information.

PARTICIPANT’S PARTICULARS

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name (to be reflected on cert):</td>
<td></td>
</tr>
<tr>
<td>Contact no.:</td>
<td></td>
</tr>
<tr>
<td>Email:</td>
<td></td>
</tr>
<tr>
<td>Profession:</td>
<td></td>
</tr>
<tr>
<td>□ AHP (please indicate):</td>
<td>________________________________</td>
</tr>
<tr>
<td>□ Doctor</td>
<td></td>
</tr>
<tr>
<td>□ Nurse</td>
<td></td>
</tr>
<tr>
<td>□ Others:</td>
<td>________________________________</td>
</tr>
<tr>
<td>Department:</td>
<td></td>
</tr>
<tr>
<td>Organisation:</td>
<td></td>
</tr>
<tr>
<td>PRN/ MCR/ Nursing no. (if applicable):</td>
<td></td>
</tr>
</tbody>
</table>

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 17 June 2019. There will be no refund of course fee for cancellation on or after 17 June 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 Amelia Lim, SGH-PGAHI, 20 College Road, Academia, Level 2, Singapore 169856.

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

BILLING DETAILS

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bill to:</td>
<td></td>
</tr>
<tr>
<td>Billing address:</td>
<td></td>
</tr>
<tr>
<td>Attention invoice to (name &amp; department):</td>
<td></td>
</tr>
<tr>
<td>Email of addressee:</td>
<td>Contact no. of addressee:</td>
</tr>
<tr>
<td>Participant’s Employee no. (if any):</td>
<td></td>
</tr>
</tbody>
</table>

☐ 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.