Workshop on
“Fundamentals of Biostatistics, Epidemiology and Data Management”

January 29-31, 2018

Course offered by
Biostatistics Resource and Training Centre (BRTC),
Department of Biostatistics,
Christian Medical College, Vellore, India.
www.cmc-biostatistics.ac.in

Supported by: PATH and CMC-Vellore
Objectives:

- To provide comprehensive training to medical college faculty and IRB members in fundamentals of Biostatistics, Epidemiology and Data Management.
- To empower them in using software for the above topics.
- To provide them with course binder to enable them to do further training.

Methodology

- Theory and Practical sessions.
- Data analysis using SPSS software.
- Sample size calculation using n-master software.
- Data Management using Epi Data software.
- Managing references using Zotero software.
- Course Binder will have the materials that are used in the lectures. The power point presentations, tutorials, practical exercises and practical dataset. This will also include resource materials (references and text materials etc).

Venue:

Biostatistics Resource and Training Centre (BRTC),
Department of Biostatistics,
Christian Medical College,
Bagayam, Vellore - 632 002.

Sponsorship:

Local hospitality (Local Accommodation, Course Fee and Food expense) will be borne by the organizer for only 30 Participants. However, participants will have to bear their own expenses for travel.
Benefits:

- The participants will be given sample size calculation software nMaster 2.0 free of cost (developed and validated at the Biostatistics Resource and Training Centre (BRTC))
- Epi-Data software for data entry
- Zotero for managing references

Selection procedure:

The selection of participants will be finalized by PATH after reviewing the applications and selected participants will be intimated on 22nd January 2018.

The last date for registration is 20th January 2018.

About Faculty:

Dr. L. Jeyaseelan, Professor of Biostatistics at the Department of Biostatistics, Christian Medical College, Vellore. He has been teaching Epidemiology and Clinical Epidemiology for the Masters Program at this Department. He is specialized in Clinical Epidemiology, Bayesian Methods, Bootstrap, and Mixture Distributions. He is the founder of the Biostatistics and Resource and Training Centre (BRTC). He has been organizing short courses in Biostatistics, Epidemiology, and Advanced Statistics Methods for the last 15 years. He is also the founder of the Clinical Data Management Centre (CDMC) to support data management, analyses and report writing for Vaccine
and Drug trials. This is the first ever recognised data management centre in an academic institution in India. He is also member of the DSMB of Department of Biotechnology (DBT) and WHO. He has published over 135 papers in public health and medicine. He is the PI of the nMaster sample size calculation software from this Department. He is Investigator or Co-investigator of nearly 10 Epidemiological studies and about 15 capacity building projects.

**Dr. Thambu David Sudarsanam**, Professor of Medicine at the Christian Medical College Vellore and coordinator of the clinical epidemiology unit in CMC and member of the South Asian Cochrane network. Trained both MBBS and MD General Medicine in the Christian Medical College Vellore. His interests include Infectious diseases, epidemiology and systematic reviews. He is also interested in Nutritional interventions for TB and the problems of HIV and TB co-infection. He is also the coordinator for the PG Research Methodology and Dissertation writing workshops in CMC.

**Mr. A. Rajagopal**, Data Manager at Clinical Data Management Centre (CDMC), Department of Biostatistics, Christian Medical College, Vellore. His area of specialization is development and management of research database in compliance with Good Clinical Practice (GCP) and 21 CFR Part 11 guidelines. He has provided data management support to several observational studies and clinical trials sponsored by WHO, CDC, NIH, etc., He has been teaching
data management for the masters program at this department and also developed and delivered comprehensive data management trainings / workshops to researchers in the country. His involvement in CDM includes Data Management Plan (DMP), Case Report Form (CRF) developments, database design, Electronic Data Capture (EDC), Standard Operating Procedures (SOPs) development, data validation, query management, data lock and archival.

Topics to be covered:

- Descriptive statistics
- Measures of Disease Frequency
- Basics in SPSS software
- Cohort and Cross sectional studies
- Sample size calculation
- Hypothesis testing: comparison of means
- Case control studies
- Non-parametric methods (chi-square)
- Case Report Forms (CRFs) development
- Data Management using Epi-Data software
- Managing references using Zotero software

Course Coordinator

Dr. L. Jeyaseelan,
Professor and Head Coordinator,
Biostatistics Resource and Training Centre (BRTC)
Advanced Clinical Data Management Centre (ACDMC)
Department of Biostatistics, Christian Medical College,
Bagayam, Vellore 632 002. India.

Secretariat / Contact person

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NAME IN CAPITAL: Dr/Mr/Ms/Mrs ________________________________

(AGE) : _______ SEX: M / F

EDUCATIONAL BACKGROUND: ________________________________________________

DESIGNATION: ______________________________________________________________

DEPARTMENT: _______________________________________________________________

INSTITUTION: ________________________________________________________________

ADDRESS: _________________________________________________________________

: ____________________________________________________

STATE: ________________________________________________________________

PHONE & MOBILE: __________________________________________________________

PERSONAL EMAIL: _________________________________________________________

OFFICIAL EMAIL: __________________________________________________________

ACCOMMODATION: REQUIRED / NOT REQUIRED

IF REQUIRED, TENTATIVE DATE & TIME: ARRIVAL ________________________________

DEPARTURE ________________________________

SIGNATURE