

DEPARTMENT OF MEDICINE (Unit-2)
Clinical Epidemiology Unit (CEU),
Christian Medical College,
Vellore - 632 002, India.

Dr. T. Vijay Prakash,
Course Co-ordinator

July 24, 2017

Dear Friends,

Greetings.

The Clinical Epidemiology unit (CEU) & Biostatistics Resource and Training Centre (BRTC), at Christian Medical College, Vellore is happy to announce the workshop on **Research Methods for Medical college faculty, Researchers, Epidemiologist / Scientist, and Statisticians / Biostatistician** situated across the country. This workshop is scheduled from August 28 to 30, 2017 at the Biostatistics Resource and Training Centre (BRTC), CMC, Vellore. This program is supported by Clinical Development Services Agency (CDSA), New Delhi and Christian Medical College (CMC), Vellore.

Sponsorship: Travel (Economy class air fare and AC II Tier Train fare) and Local hospitality (Local Accommodation, Course Fee and Food expense) will be borne by the sponsor. Priority will be given to the Government Medical Colleges and Not for Profit Academic Institutions.

Selection procedure: A committee will select the potential participants.

I am herewith attaching the workshop announcement brochure and registration form for your kind attention. I request you kindly depute your staff members who are currently involved in clinical research.

The last date for registration is 12th August 2017.

Please contact us, if you need any additional information.

With kind regards,

Dr. T. Vijay prakash,
Course Co-ordinator

Secretariat / Address for communication

Mr. C. Jayaprakash / Mr. Shankar, Department of Biostatistics, Christian Medical College, Bagayam, Vellore - 632 002.
Telephone: 91 416 2284205, 2262703 Fax No: 91-416-2262703 E-mail: biostats@cmcvellore.ac.in

Workshop on “Research Methods”

(Supported by CDSA, New Delhi and CMC, Vellore)

August 28–30, 2017



Course offered by
Clinical Epidemiology unit (CEU) and
Biostatistics Resource and Training Centre (BRTC),
Christian Medical College,
Vellore, India.

Course Description:

This course is intended to introduce basic concepts that are necessary to do research such as formulating a research question, developing a questionnaire, and assessing reliability and validity of an instrument, besides study designs. The sample size calculations and journal critique guidelines that are design specific will be covered. The principles of basic biostatistical concepts will also be covered. Participants will be given training in using the EPIDATA software to enter and validate data. Zotero software to organize the research related references will be taught with hands on training. The participants (groups) will be given articles to do journal critique and will also be allocated a topic (research question) to develop a protocol and make presentation. The course is targeted towards researchers of varied profession such as medicine, public health, life science, social science, nursing, epidemiology, biostatistics etc.

Who should attend?

Medical Faculty, Researchers, Epidemiologist / Scientist, and Statisticians / Biostatistician who are working on research projects in Government / Academic (not for profit) organizations are encouraged to participate.

Expectations:

Participants are expected to be a member of a group to critically evaluate a paper that will be circulated ahead of workshop .They will

work in groups on developing a protocol which will be assigned at the time of workshop.

Sponsorship:

Travel (Economy class air fare and AC II Tier Train fare) and Local hospitality (Local Accommodation, Course Fee and Food expense) will be borne by the organizer for only 30 Participants.

Selection procedure:

A committee will select the potential participants.

nMaster (Sample Size calculation software - Developed by Dr.L.Jeyaseelan and Team)

The Sample size software nMaster 2.0 will be provided for free of cost.

Venue:

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

The last date for registration is 12th August 2017.

About Faculty:



Dr. Jayaprakash Muliyl former Principal, Professor and Head of Community Medicine, CMC, Vellore. He obtained PhD from Johns Hopkins University, USA. Currently Professor of Emeritus, CMC Vellore. He also has been Chair of Scientific Advisory Committees of ICMR. Advisor for DBT and ICMR in research and policy making. Principal Investigator of many Infectious Disease Research and Vaccine Trials.



Dr. Abraham Peedicayil MBBS, DGO, MPH, MD, FRCOG, Professor and Head, Gynaecologic Oncology Unit, and coordinator of the clinical epidemiology unit in CMC Hospital, Vellore 632004, India. Trained at UNC, Chapel Hill and has been member of the Clinical Epidemiology Unit since 1992. Has been involved in teaching epidemiology and participating in clinical and epidemiological research at CMC, Vellore. Main clinical interest is gynaecological oncology.



Dr. Thambu David Sudarsanam, Professor of Medicine at the Christian Medical College Vellore 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.

Dr. Vijay Prakash T Assitant Professor , Department of Medicine , Christian Medical College, Vellore. He has completed both undergraduate and post graduate training from CMC vellore and is currently a faculty at this Institution. He is involved in co-ordinating research among undergraduate and post graduate students and also teaches research methodologies to students. His interests include studying immunological basis of infectious diseases and developing guidelines for management of chronic diseases.



Dr. Shuba Kumar, is a Social Scientist and holds a doctorate in Medical and Social Psychiatry. She received her training in Social Science and Epidemiology from the University of Newcastle, Australia under the INCLEN (International Clinical Epidemiology Network) programme. She has been a lead investigator on research projects on women's reproductive health, domestic violence, mental health and HIV care and support programmes. She is also the sitting member of ethical committees in institutions such as Christian Medical College- Vellore, Madras Diabetes Research Foundation, Indian Institute of Technology and the Tuberculosis Research Foundation.



Rani Mohanraj is a Psychologist and is also trained in Epidemiology and Bio-statistics at the University of Washington. She is one of the founder members of Samarth, a NGO engaged in social science research and training since 2007 in the capacity of Co-Investigator, Principle Investigator and Consultant. Since 2002, she has been working in many research studies on mental health issues of depression, suicide, post traumatic stress in women, stigma and discrimination among persons with HIV, and the development of counseling interventions. Her main areas of interest are Mental Health, Behavioural and Social Science research in chronic diseases, Monitoring and Evaluation, and Questionnaire Development. She is also trained in qualitative research methods and analysis.



Dr. L. Jeyaseelan, Professor and Head 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. Visalakshi Jeyaseelan, Senior Lecturer, Department of



Biostatistics, Christian Medical College, Vellore, has been working as a faculty for the past 12 years. She has also had a Masters Degree in Public Health in Biostatistics from the University of North Carolina, Chapel Hill, USA. She has been serving as a resource person in most of the shortcourses conducted in the

Department. She is a member of the IRB in this institution. Her interest mainly lies in Clinical Trials, Bootstrap techniques and Bayesian modeling. She also helps the Biostatistics Masters students in their dissertation. She is involved in teaching post graduate medical students within the institution and in other medical colleges. Her role in updating herself mainly arises from the challenging consultations as she regularly helps the post graduate medical students and faculty in CEU for their research. She has 31 publications so far.

Course content:

❖ Research Basics:

- Formulating a Research Question: (Asking and Framing Relevant RQ).
- Developing a questionnaire /CRF Guidelines
 - Group work and Group presentations
- Reliability and Validity of an instrument

❖ Research Designs:

- Case series and Case control study design.
 - Sample Size Calculation using nMaster2.0
 - Journal Critique guidelines
- Cross Sectional Studies / Cohort studies.
 - Sample Size Calculations nMaster2.0
 - Journal critique guidelines
- Randomized Controlled Trials (RCT)
 - Sample Size Calculations nMaster2.0
 - Journal critique guidelines

❖ Biostatistical Methods:

- Normal Distribution, SE and 95% CI, t and Chi-square test
- Correlation Regression, Lineal and Logistic Regression (concepts and examples)

❖ Data Organization and QC and Reference Manager:

- EPIDATA Lecture and Practical
- Zotero Lecture and Practical

❖ Others:

- Protocol Development
- Critical Appraisal

Course Co-ordinator

Dr. T. Vijay Prakash,
Clinical Epidemiology Unit (CEU),
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Secretariat / Address for communication

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Phone: (0416) 2262703, 2284205

**WORKSHOP ON “RESEARCH METHODS”
AUGUST 28–30, 2017**

REGISTRATION FORM

NAME IN CAPITAL : DR/MR/MS/MRS _____
(FOR CERTIFICATE PURPOSE)

AGE : _____ **SEX: M / F**

EDUCATIONAL BACKGROUND : _____

DESIGNATION : _____

DEPARTMENT : _____

INSTITUTION : _____

ADDRESS : _____

: _____

STATE : _____

PHONE & MOBILE : _____

PERSONAL EMAIL : _____

OFFICIAL EMAIL : _____

TENTATIVE DATE & TIME: ARRIVAL _____

DEPARTURE _____

NOTE: THE FILLED APPLICATION FORM SHOULD BE SENT TO THE FOLLOWING ADDRESS BY AUGUST 12, 2017.

The Course Co-ordinator,
Department of Biostatistics,
Christian Medical College,
Bagayam, Vellore - 632 002.

Email: biostats@cmcvellore.ac.in

SIGNATURE