

Workshop Series 2018 – 19

Design and Conduct of Observational Studies using Epi Info

March 4 – 8, 2019

(Last date of registration: Feb 18, 2018)

Course Director: **Prof. Sanjay Zodpey, Director**

Course Coordinator: **Dr Preeti Negandhi, Additional Professor**



Training Venue:

Indian Institute of Public Health- Delhi

Public Health Foundation of India

Plot 47, Sector 44, Institutional area, Near HUDA City Centre metro station, Gurgaon-122002, Haryana, India

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About the workshop

The application of epidemiological concepts is an essential component of evidence-based public health research. Study design is a key component which decides the outcome of a research project. Trials, although are considered as 'gold standard' for evidence, may not always be feasible to conduct. In such situations, observational studies prove to be valuable tools for establishing relationships between exposures and outcomes. These study designs, however, have certain intrinsic characteristics which need attention at the planning and implementation stages.

This workshop intends to provide an understanding of the aspects related to the design, conduct and analyses of observational studies, elaborating on cross-sectional, case-control and cohort study designs. Additionally, it aims to impart training related to questionnaire/data entry form development, data entry and analyses for these designs using Epi Info, a public domain statistical software for epidemiology developed by Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia (USA), with world-wide applications in disease outbreak investigation, development of disease surveillance systems, etc.

At the end of workshop, the participants will be able to understand and appreciate the use of the various observational study designs, plan a study using these designs considering all their characteristics as well as get a fair understanding of the use of Epi Info for the conduct of observational studies.

Registration Fee

Indian National: 12500 INR per participant

Foreign National: 25000 INR per participant

The registration fee includes course kit, lunch and snacks. Please note that the participants will have to bear their own travel, boarding and lodging expenses. However, the organizers will be able to provide a list of hotels or guest houses near the institute upon request.

Who should attend?

This 5-day workshop is suitable for medical, nursing as well as public health students, clinical and public health researchers, epidemiologists, project managers, research coordinators, data managers and all those who are working in the area of epidemiological research. Applicants are not expected to have previous experience of using Epi Info but must be comfortable with Windows Operating system based software.

Contents

- Introduction to the various observational study designs
- Planning an observational study
- Understanding bias and confounding in observational studies
- Sample size estimations
- Designing data entry forms using Epi Info
- Validating data entry form using logics and skip patterns in Epi Info
- Data export to other statistical software
- Quantitative analyses of observational studies (bivariate and multivariable) using Epi Info

About the faculty

Dr. Preeti Negandhi, MBBS, MD (PSM), MSc, faculty at the institute will be the key resource. She teaches epidemiology, infectious diseases, research methods and health information systems to students of our on-campus as well as distance-learning academic programs. She is also the coordinator for the Post Graduate Diploma in Epidemiology at the institute. She is involved in research in the areas of maternal and child health, disease surveillance and health information systems.

Dr. Shivam Pandey completed his PhD from MRC Lifecourse Epidemiology Unit (University of Southampton), UK and the Indian Institute of Public Health (Delhi) (IIPHD), Public Health Foundation of India. He has successfully completed his PhD in Biostatistics titled "Associations of childhood head growth with health and human capital in adult life and in the next generation" in October 2017. He has a Masters degree in Biostatistics from Manipal University in Karnataka. Shivam has worked on Cardiometabolic Risk Reduction in South Asia (CARRS) Surveillance Study with the Public Health Foundation of India. His areas of interest include repeated measures data analysis and growth modelling, with a special interest in the research related to the Developmental Origins of Health and Disease (DOHaD). Currently he is involved in research and teaching activities at IIPHD.

How to apply?

Interested participants may email their completed registration form at trainings@iiphd.org and submit the fee by E-transfer or by Demand Draft in favor of "Public Health Foundation of India" payable Delhi and dispatch to the key contact person. **Bank details for E-transfer will be shared upon request. We do not accept cash.**

International participants are requested to submit the fee only by E-transfer.