



Indian Institute of Public Health – Delhi Public Health Foundation of India

Plot 47, Sector 44, Institutional Area, Near HUDA City Centre Metro
Station, Gurugram-122002, Haryana, India



Key contact person: **Ms. Tanuja Bhandari**, Manager – Training Programs
Email: trainings@iiphd.org Ph: +91 124 4722900 (Extn. 4110)

Workshop Series 2022- 23

Sample Size Estimation and Sampling Techniques in Health Research

Aug 30 – Sep 02, 2022

Last date of registration: 16th Aug 2022

Course Director: Prof. Sanjay Zodpey, Director, Indian Institute of Public Health-Delhi
Course Coordinator: Dr. Saurav Basu, Assistant Professor, Indian Institute of Public Health-Delhi

Link to registration form: <http://tof.phfi.org/>

About the course

Sample size estimation is one of the key activities undertaken while designing any research study. An adequate estimate (not less and not more) of sample size is important for ethical, scientific, and logistic reasons. This workshop will introduce the statistical concept behind sample size estimation and go on to have practical exercises for sample size calculation of various study designs and outcome variables.

Appropriate sampling techniques are essential to avoid selection bias and improve the generalizability of study findings. In this workshop, various sampling techniques including randomization methods for experimental designs will be covered with discussions on the advantages and disadvantages of each method.

At the end of the workshop, the participants will be able to decide on the appropriate sample size calculation method for the given study design, appreciate the effect of assumptions on sample size calculation, and choose the appropriate sampling technique given the sample size.

Contents

- Statistical principles for sample size calculation
- Relating study design and analysis with sample size calculation
- Using “nMaster” software for sample size calculation
- Sampling techniques
 - Probability sampling methods
 - Non Probability methods

About the Faculty

Dr. Saurav Basu (MPH, MD, DNB) is currently working as Assistant Professor at the Indian Institute of Public Health, Delhi. He is a post-graduate (MD) in Community Medicine from the Maulana Azad Medical College (University of Delhi). He has published over 100 research articles in indexed journals and is an investigator in several funded research projects.

Who should attend?

This workshop is ideal for physicians, post-graduate medical students, clinical and public health researchers, study coordinators, project managers, medical writers, data managers, pharmaceutical scientists, statisticians, and those working in the health services.

How to Apply?

Interested participants may [Apply Online](#) and submit online registration form or write an email to trainings@iiphd.org. The fee will be submitted by E-transfer, the **bank details for E-transfer will be shared upon applying for the workshop**.

Registration Fee

Indian Professionals: 10000 INR per participant

Foreign National: 20000 INR per participant

*** We have limited seats available; registrations will be confirmed on a first come first serve basis.**