

Workshop Objectives

This hybrid course in Epidemiology, Biostatistics and Demography has an online introductory component spread over 2 weeks prior to the start of the course and an intensive 8-day face-to-face component. Completion of quizzes at the end of online phase is mandatory prior to attending the face-to-face course. The course aims to integrate theory and application in epidemiology, medicine, population health biostatistics and demography.

Who should attend

This workshop is primarily planned for faculty and postgraduate medical/allied health sciences students, PhD students, post-doctorates and others associated with health research. No prior knowledge of research methods or statistics is required.

Organization and delivery

Course faculty will be from St. John's Medical College & Research Institute.

Accommodation

Participants will have to bear their own travel and accommodation expenses. Accommodation inside St. John's campus can be arranged on request.

E-mail: epibio@sjri.res.in

Guest lectures by eminent researchers will be included. All course material will be provided. The participants must bring a laptop of their own. The workshop will use a variety of teaching-learning methods. These include lectures, quizzes, group work, participant presentations, hands-on training using SPSS/Excel, one-to-one discussions and self-directed study.

Registration

Filled registration form (www.sjri.res.in) should be submitted by 15th July, 2018.

Workshop fee includes tuition fee and workshop expenses (meals is optional). Fee is to be paid along with the registration form by:

♦ by NEFT [beneficiary name: St. John's Research Institute; bank name: Bank of Baroda; beneficiary's bank A/c #: 05210100024920; branch: John Nagar, St. John's Medical College, Bangalore-560034; IFSC code: BARB0STJOHN (5th digit zero)]

For further enquiry and registration, contact:

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St. John's Research Institute (SJRI)
St. John's National Academy of Health Sciences,
Bangalore – 560034

Theory and Practice of Epidemiology and Biostatistics (EpiBio)

Hybrid course (online & face-to-face)

Dates:

Online course: 15th – 26th July 2018

On-site course: 31st July – 9th Aug 2018



Venue: St. John's Research Institute,
Bangalore, India

Tuition fee:

Before 15th July: Rs. 8,500/- (for students) &
Rs 12,500/- (for faculty)

After 15th July: Rs 12,500/- (for students) &
Rs 17,500/- (for faculty)

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Online course (15th –26th July 2018):

Health research methods, Introduction to Epidemiology I, Introduction to Biostatistics I, Design of Study Protocol, Review of Literature & Questionnaire Design

EpiBioDem

On-site course: 31st July — 9th Aug 2018

| | | TUESDAY (31 st) | WEDNESDAY (1 st) | THURSDAY (2 nd) | FRIDAY (3 rd) | SATURDAY (4 th) | (5 th) | MONDAY (6 th) | TUESDAY (7 th) | WEDNESDAY (8 th) |
|--------------------|---------------------|---------------------------------------|--|--|--------------------------------|--------------------------------|--------------------|------------------------------|-------------------------------------|---------------------------------|
| Theme | Introduction | | Descriptive/Cross-sectional study | | Experimental Study | Case-control/Cohort | | Miscellaneous | Presentations | Miscellaneous |
| 9:00-9:30 | | Faculty and participants Introduction | Review & feedback | Review & feedback | Review & feedback | Review & feedback | | Review & feedback | Review & feedback | Review & feedback |
| Morning | | Overview & Pre-test | Descriptive Study | Sample Size | Experimental Study | Cohort Study | SUNDAY | Intro to Regression analysis | Group 1 presentation | Qualitative Research |
| | | Introduction to Epidemiology – I | | | | | | | Group 2 presentation | |
| 10:45-11:00 | | Tea | Tea | Tea | Tea | Tea | | Tea | Tea | Tea |
| Pre-lunch | | Intro to Biostatistics - II | Study Formulation | Quality Control in Data Collection | Clinical Trial-Formulation/GCP | Case-Control Study | | Using Word Processor | Group 3 presentation | Scientific Reporting |
| | | | Sampling Technique | Epidemiology Exercises | Randomization & Masking | | | Non-randomized trial designs | Group 4 presentation | Reference Management |
| 12:45-1:45 | | LUNCH | LUNCH | LUNCH | LUNCH | LUNCH | | LUNCH | LUNCH | LUNCH |
| Post-lunch | | Intro to Epi - II | Epidemiology Exercises | Chi-square & Correlation | Randomization Exercises | Epidemiology Exercises | | Disease Screening | Group 5 presentation | Valedictory |
| | | | | | Sample size | Sample size | | | | |
| 3:00-3:15 | | Tea | Tea | Tea | Tea | Tea | | Tea | Tea | |
| Post-tea | | Practicals | Testing of Significance | Regulatory & Ethical Issues; Budgeting | Comparison of Means | Group-work planning | | Non-parametric statistics | Systematic Review/ Grading Evidence | |
| Evening | | Practicals | Practicals | Practicals | Practicals | | Practicals | | | |

Additional 1-day Demography course will continue on 9th Aug 2018. Details on SJRI website—www.sjri.res.in

DEMOGRAPHY

| | THURSDAY (9TH) |
|-------------------|--|
| Morning | Intro to Demography (PM) |
| | Distribution/composition of populations (PM) |
| 10:45-1:00 | Tea |
| Pre-lunch | Health Indicators (AJ) |
| | MCH & Family Welfare Indicators (AJ) |
| 12:45-1:45 | LUNCH |
| Post-lunch | Standardization Exercises (SS) |
| | Demography + Epidemiology exercises (PM) |
| 3:45-4:00 | Tea |