

Workshop Objectives

This hybrid course in Epidemiology and Biostatistics 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 introduces research methods, epidemiological designs, and statistical analyses in relation to health sciences. The course aims to integrate theory and application in epidemiology, clinical medicine, public health, and biostatistics.

- ◆ The workshop is designed to address each study design using a specific example
- ◆ The study designs and associated biostatistical methods will be dealt with together such that the knowledge gap in adopting a statistic to a study design will be addressed

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.

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 3rd July, 2017.

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)]

Accommodation

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

For further enquiry and registration, contact:

Dr Prem K. Mony, MD
Course Director
Head, Division of Epidemiology & Population Health
St. John's Research Institute

Dr Tinku Thomas, PhD
Course Coordinator
Biostatistics Unit
St. John's Research Institute

E-mail: epibio@sjri.res.in

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: 18th— 26th July 2017



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

Tuition fee:

Before 3rd July: Rs. 8,500/- (for students) &
Rs 12,500/- (for faculty)

After 3rd July: Rs 12,500/- (for students) &
Rs 17,500/- (for faculty)

[additional 15% service tax applicable on all fees]

E-mail: epibio@sjri.res.in

Online course (1st –12th July 2017):

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

On-site course: 18th -26th July 2017

| | | TUESDAY (18 th) | WEDNESDAY (19 th) | THURSDAY (20 th) | FRIDAY (21 st) | SATURDAY (22 nd) | 23 rd | MONDAY (24 th) | TUESDAY (25 th) | WEDNESDAY (26 th) |
|--------------------|---------------------|--------------------------------|--|------------------------------------|---------------------------------|---------------------------------|--|-------------------------------|-------------------------------------|--|
| Theme | Introduction | | Descriptive/Cross-sectional study | | Experimental Study | Case-control/Cohort | | Miscellaneous | Presentations | Miscellaneous |
| 9:00-9:30 | | Registration & Inauguration | Review & feedback | Review & feedback | Review & feedback | Review & feedback | S U N D A Y | Review & feedback | Review & feedback | Review & feedback |
| Morning | | Overview & Pre-test | Descriptive Study | Sample Size | Experimental Study | Cohort Study | | Intro to Regression analysis | Group 1 presentation | Regulatory & Ethical Issues; Budgeting |
| | | Introduction to Adult Learning | | | | | | 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 | Referencing |
| 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 | Systematic Review/ Grading Evidence | Valedictory |
| | | | | | Sample size | Sample size | | | | |
| 3:00-3:15 | | Tea | Tea | Tea | Tea | Tea | | Tea | Tea | |
| Post-tea | | Practicals | Testing of Significance | Qualitative Research | Comparison of Means | Group-work planning | Non-parametric statistics | Applied Health Research | | |
| Evening | | Practicals | Practicals | Practicals | Practicals | | Practicals | | | |

Additional 1-day Demography course will continue on 27th July 2017. Details on SJRI website—www.sjri.res.in



Online course (1st –12th July 2017):

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

EpiBioDem

On-site course: 18th -26th July 2017

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|--------------------|---------------------|--------------------------------|--|------------------------------------|---------------------------------|---------------------------------|--|-------------------------------|-------------------------------------|--|
| Theme | Introduction | | Descriptive/Cross-sectional study | | Experimental Study | Case-control/Cohort | | Miscellaneous | Presentations | Miscellaneous |
| 9:00-9:30 | | Registration & Inauguration | Review & feedback | Review & feedback | Review & feedback | Review & feedback | S U N D A Y | Review & feedback | Review & feedback | Review & feedback |
| Morning | | Overview & Pre-test | Descriptive Study | Sample Size | Experimental Study | Cohort Study | | Intro to Regression analysis | Group 1 presentation | Regulatory & Ethical Issues; Budgeting |
| | | Introduction to Adult Learning | | | | | | | 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 |
| 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 | Systematic Review/ Grading Evidence | Valedictory |
| | | | | | Sample size | Sample size | | | | |
| 3:00-3:15 | | Tea | Tea | Tea | Tea | Tea | | Tea | Tea | |
| Post-tea | | Practicals | Testing of Significance | Qualitative Research | Comparison of Means | Group-work planning | Non-parametric statistics | Applied Health Research | | |
| Evening | | Practicals | Practicals | Practicals | Practicals | | Practicals | | | |

Additional 1-day Demography course will continue on 27th July 2017. Details on SJRI website—www.sjri.res.in



| | |
|-------------------|---|
| | THURSDAY (27th) |
| 9:00-9:30 | Registration |
| Morning | Intro to Demography |
| | Distribution/composition of populations |
| 10:45-1:00 | Tea |
| Pre-lunch | Demographic processes & measurements |
| | Demography exercises |
| 12:45-1:45 | LUNCH |
| Post-lunch | Cause of death –Verbal autopsy |
| | Death certification & ICD-10 coding |
| 3:00-3:15 | Tea |
| Post-tea | Comparison of populations |
| | Family planning |

Theory and Practice of Epidemiology & Biostatistics (EpiBio) 2015

St John's Research Institute, Bangalore 560034

18th – 26th July 2017



Registration Form

| | | | |
|---|---------------------------------|-----------------------------|--------------------------------|
| Name of Participant & Designation | | | |
| Name of the Institution | | | |
| Contact Address (incl. telephone number) | | | |
| Email ID | | | |
| Accommodation required (Yes/No) | | | |
| (If yes, please tick choice) | Within Campus | | Outside Campus |
| | (non-A/c) Approx Rs 1100/day | (A/c) Approx Rs 2500/day | (A/c) -- Approx Rs 3000/day |
| Agreeable to sharing room (Yes/No) | | | |
| Food preference (Veg/Non-veg) | | | |
| Reason for interest in the workshop | | | |
| Two main expectations from the workshop | 1. 2. | | |
| Any other information which you would like to share | | | |

Important notes on registration:

1. A separate registration form needs to be filled for each participant
2. Participants wishing to attend the **1-day Demography course** need to pay an additional Rs 1000/- towards registration fee
3. Participants who wish to bring own lunch during the course can pay Rs 2000/- less towards the fee

Contact for further enquiry:

Dr Prem K. Mony, M.D.
Course Director
Head, Division of Epidemiology & Population Health
St. John's Research Institute
Bangalore – 560034

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