

## 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 Techniques in relation to health sciences.

The course aims to integrate theory and application of 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 faculty 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](http://www.sjri.res.in)) should be submitted by 29th June, 2022.

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 Co-Director

Head, Dept of Biostatistics

St. John's Medical College

**Dr Kavya R, MPH**

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

# Theory and Practice of Epidemiology and Biostatistics (EpiBio)

Hybrid course (online & face-to-face)

Dates:

*Online course: 6<sup>th</sup> — 18<sup>th</sup> July 2022*

*On-site course: 19<sup>th</sup> — 27<sup>th</sup> July 2022*



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

**Tuition fee:**

Before 29th June: Rs. 8,000/- (for students) & Rs 12,000/- (for faculty)

After 29th June: Rs 12,000/- (for students) & Rs 17,000/- (for faculty) [plus 18% GST applicable on all fees]

[USD 250/- all incl. for foreign candidates]

E-mail: [epibio@sjri.res.in](mailto:epibio@sjri.res.in)

**Online course (6<sup>th</sup> – 18<sup>th</sup> July 2022):**

Health Research Methods, Introduction to Epidemiology I, Introduction to Biostatistics I, Design of Study Protocol, Review of Literature & Questionnaire Design

**On-site course: 19<sup>th</sup> — 27<sup>th</sup> July 2022**

		TUESDAY (19 <sup>th</sup> )	WEDNESDAY (20 <sup>th</sup> )	THURSDAY (21 <sup>st</sup> )	FRIDAY (22 <sup>nd</sup> )	SATURDAY (23 <sup>rd</sup> )	24 <sup>th</sup>	MONDAY (25 <sup>th</sup> )	TUESDAY (26 <sup>th</sup> )	WEDNESDAY (27 <sup>th</sup> )
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		Review & feedback	Review & feedback	Review & feedback
Morning		Overview	Descriptive Study	Sample Size	Experimental Study	Cohort Study	S U N D A Y	Intro to Regression analysis	Group 1 presentation	Qualitative Research
		Introduction to Epi—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 Epidemiology Exercises	Clinical Trial-Formulation/GCP Randomization & Masking	Case-Control Study		Using Word Processor	Group 3 presentation	Scientific Reporting
			Sampling Technique					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		Test Accuracy Studies	Applied Health Research	Valedictory
					Sample size	Sample size				
3:00-3:15		Tea	Tea	Tea	Tea	Tea		Tea	Tea	
Post-tea		QR code quiz	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 28th July 2022. Details on SJRI website—[www.sjri.res.in](http://www.sjri.res.in)

