

## Workshop Objectives

This hybrid course in Epidemiology and Biostatistics has an online introductory component spread over 1 week 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.

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 Excel/Jamovi, 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 April 2025.

Workshop fee includes tuition fee and workshop expenses. 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



SCAN  
To  
REGISTER

**Dr Tinku Thomas, PhD**

Course Co-Director  
Head, Dept of Biostatistics  
St. John's Medical College

E-mail:

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080 49467030

**Dr Kavya R, MPH**

Course Coordinator  
St. John's Research Institute  
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St. John's Medical College &  
Research Institute  
Bangalore – 560034, India

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## 15th Annual Short Course

# Theory and Practice of Epidemiology and Biostatistics (EpiBio)

Hybrid course (online & face-to-face)

CME credit points will be awarded by KMC



Dates:

*Online course:*

5<sup>th</sup> — 11<sup>th</sup> May 2025

*On-site course:*

13<sup>th</sup> — 21<sup>st</sup> May 2025

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

**Tuition fee:**

Before 26th Apr: Rs. 9,500/- (for students) & Rs 12,500/- (for faculty)

From 26th Apr: Rs 11,000/- (for students) & Rs 17,000/- (for faculty) [plus 18% GST applicable on all fees]

Rs 1000/- for Demography course

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

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

**Online course (5<sup>th</sup> – 11<sup>th</sup> May 2025):**

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

St. John's Medical College & Research Institute  
Bangalore – 560034, India

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**On-site course: 13<sup>th</sup> – 21<sup>st</sup> May 2025**

		TUESDAY (13 <sup>th</sup> )	WEDNESDAY (14 <sup>th</sup> )	THURSDAY (15 <sup>th</sup> )	FRIDAY (16 <sup>th</sup> )	SATURDAY (17 <sup>th</sup> )	18 <sup>th</sup>	MONDAY (19 <sup>th</sup> )	TUESDAY (20 <sup>th</sup> )	WEDNESDAY (21 <sup>st</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 - 1	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	Experimental Study - 2	Case-Control Study		Non-parametric statistics	Group 3 presentation	Journal Review
			Sampling Technique	Epidemiology Exercises	Sample size			Scientific Reporting	Group 4 presentation	Valedictory
12:45-1:45		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH		LUNCH	LUNCH	LUNCH
Post-lunch		Intro to Epi - II	Epidemiology Exercises	Chi-square & Correlation	Epidemiology Exercises	Using Word Processor		Test Accuracy Studies	Applied Health Research	
					Non-randomized trial designs	Group-work planning-2				
3:00-3:15		Tea	Tea	Tea	Tea	Tea		Tea	Tea	
Post-tea		Group-work planning-1/ QR code quiz	Testing of Significance	Regulatory & Ethical Issues; Budgeting	Comparison of Means			Referencing	Systematic Review/ Grading Evidence	
Evening		Practicals	Practicals	Practicals	Practicals		Practicals			

Additional 1-day Demography course will continue on 22<sup>nd</sup> May 2025. Details on SJRI website—[www.sjri.res.in](http://www.sjri.res.in)

