

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) should be submitted by 14th Nov 2023.

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:

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Course Director

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St. John's Research Institute

Dr Tinku Thomas, PhD

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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: 15th — 20th Nov 2023

On-site course: 21st — 29th Nov 2023



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

Tuition fee:

Before 14th Nov: Rs. 8,500/- (for students) & Rs 12,500/- (for faculty)

After 14th Nov: Rs 10,500/- (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

Online course (15th – 20th Nov 2023):

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

On-site course: 21st — 29th Nov 2023

		TUESDAY (21 st)	WEDNESDAY (22 nd)	THURSDAY (23 rd)	FRIDAY (24 th)	SATURDAY (25 th)	26 th	MONDAY (27 th)	TUESDAY (28 th)	WEDNESDAY (29 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		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 30th Nov 2023. Details on SJRI website—www.sjri.res.in



	THURSDAY (30th)
9:00-9:30	Registration
Morning	Intro to Demography
	Distribution/composition of populations
10:45-11:00	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