

Workshop Objectives

This online course in Epidemiology and Biostatistics has 2 introductory modules and 5 substantive modules. Completion of quizzes at the end of the introductory modules is mandatory prior to continuing to the substantive modules.

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 course 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
- ◆ The sessions will be delivered in two formats: real-time sessions are live sessions (for which the timings will be intimated in advance); and the other sessions are pre-recorded videos. The live sessions will be recorded and made available to those who miss them

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.

Registration

Registration is now open.

Filled registration form (www.sjri.res.in) can be submitted till 2nd November 2020 (and late registration till 5th November 2020). The course will be open from 5th November to 22nd November 2020.

Please visit www.sjri.res.in

- ◆ **THIS YEAR —> owing to the COVID crisis, there will be no face-to-face EpiBio course**



Be Aware – Be Safe

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

Epidemiology and Biostatistics Fundamentals — Online (EpiBio Funda Online)

70:30 course

[70% of sessions are pre-recorded videos
& 30% are live online classes]



Dates: 5th — 22nd November 2020

Tuition fee:

Upto 2nd Nov 2020: Rs 6,000/- (for faculty)
and Rs 4,000/- (for students)

Late entry till 5th Nov 2020: Rs 8,000/- (for
faculty) and Rs 6,000/- (for students)
[plus 18% GST applicable on all fees]

Epidemiology and Biostatistics Fundamentals — Online (*EpiBio Funda Online*)

	Module 1	Module 2	Module 3	Module 4	Module 5	Module 6	Module 7
Theme	Introduction	Introduction	Descriptive/ Cross-sectional study	Experimental study	Case-control/ Cohort Study	Miscellaneous	Miscellaneous
Session 1	Health Research methods	Questionnaire Design	Descriptive Study	Experimental Study	Cohort Study	Intro to Regression Analysis	Disease Screening
Session 2	Intro to Epidemiology – I (Real Time)	Intro to Epidemiology – II	Study Formulation	Trial Formulation/GCP Randomization & Masking	Case-Control Study	Intro to Qualitative Research (Real Time)	Systematic Review/ Grading Evidence
Session 3	Intro to Biostatistics-I	Intro to Biostatistics-II	Sample Size	Sample Size	Sample Size	Non- Randomized Trial Design	Reference Management
Session 4	Literature Review	Sampling Technique	Quality Control in Data Collection	Regulatory & Ethical Issues; Budgeting	Chi-square & Correlation (Real Time)	Using Word Processor	Scientific Reporting
Session 5	Design of Research Protocol	Testing of Significance (Real Time)	Epidemiology Exercises Discussion (Real Time)	Comparison of Means (Real Time)	Epidemiology Exercises Discussion (Real Time)	Non-parametric statistics (Real Time)	Epibio Feedback/ Review
Session 6	Intro to Data Management	SPSS - Practical (Real Time)	SPSS - Practical (Real Time)	SPSS - Practical (Real Time)	Biostats Discussion (Real Time)	SPSS - Practical (Real Time)	SPSS - Practical (Real Time)

Real-time sessions are Live sessions (timings for which will be communicated in advance; all other sessions will be recorded sessions)

