

## Workshop Objectives

This online course in Health Research Methodology including 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, nutrition, 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
- ◆ **THIS YEAR —> owing to the COVID crisis, there may be no face-to-face course**

## Who should attend

This workshop is primarily planned for faculty and postgraduate medical/nursing/allied health sciences students, PhD students (in any life sciences), 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. The tuition fee for participants from within India is outlined in the front panel of this brochure; the fee for participants from outside India is 200 US dollars (all inclusive). Students must submit proof of current registration as a student in an university.

Filled registration form ([www.sjri.res.in](http://www.sjri.res.in)) can be submitted on a rolling basis till 20th March 2021. The course will be open from 15th of March to 15th of April 2021.

Please visit [www.sjri.res.in](http://www.sjri.res.in)



**Be Aware – Be Protected**

### For further enquiry and registration, contact:

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Bangalore – 560034

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

**Dates (Online course):  
3rd January — 31st January 2022**



### Tuition fee:

Before 25th December 2021: Rs 5,000/- (for students) and Rs 8,000/- (for others)  
After 25th December 2021: Rs 7,000/- (for students) and Rs 10,000/- (for others)  
[plus 18% GST applicable on all fees]

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## 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 Studies	Intro to Regression Analysis	Disease Screening
Session 2	Intro to Epi – I	Intro to Epi – II	Study Formulation	Trial Formulation, Randomization & Masking	Case-Control Stud- ies	Intro to Qualitative Research	Systematic Review/ Grading Evidence
Session 3	Intro to Biostatistics – II	Intro to Biostatistics – II	Sample Size	Sample size	Sample size	Non-randomized trial designs	Scientific Writing
Session 4	Literature Review	Sampling Technique	Quality Control in Data Collection	Chi-square & Correlation	Epidemiology Exercises (Epi Real Time)	Non-parametric statistics	Reference Management (Real Time)
Session 5	Design of Research Protocol	Testing of Significance	Epidemiology Exercises (Epi Real Time)	Regulatory & Ethical Issues; Budgeting (Epi Real Time)	Comparison of Means (Biostat Real Time)	Intro to Word processing	SPSS (Biostat Real Time)
Session 6	Intro to Data Management	Intro to SPSS	SPSS (Biostat Real Time)	SPSS (Biostat Real Time)		SPSS (Biostat Real Time)	

