

## Workshop Objectives

This intensive 9-day course in Epidemiology and Biostatistics introduces research methodologies, epidemiological designs, and statistical analyses in relation to health sciences. The course aims to integrate theory and application in epidemiology, medicine, public health and biostatistics.

- ◆ The workshop is designed to address each study design using a specific example
- ◆ The study designs and associated statistical methods will be dealt with together such that the gap in knowledge in adopting a statistic to a study design will be addressed
- ◆ Hands-on experience for both designing a study and performing statistical analysis will be provided

## Who should attend

This workshop has been primarily planned for junior faculty and postgraduate medical/allied health sciences students, PhD students, post-doctorates and others associated with health research. No prior knowledge of research methodology or statistics is required.

## Organization and delivery

Course faculty will be from the Division of Epidemiology, Biostatistics and Population Health at SJRI. Guest lectures by eminent researchers will be included.

The workshop will use a variety of teaching-learning methods. These include lectures, group work, participant presentations, hands-on training using SPSS/Excel/Epi Info, one-to-one discussions, pre-test, post-test and self-directed study.

All course material will be provided. The participants may bring a laptop of their own.

## Registration

Filled registration form should be submitted by 30<sup>th</sup> June, 2013.

Workshop fee to be paid along with the registration form as demand draft (DD) drawn in favour of St. John's Research Institute, Bangalore. The fee covers tuition, workshop material, breakfast, lunch and tea for all days.

## Accommodation

Participants will have to bear their own expenses for travel and accommodation. However, single or shared accommodation can be arranged for the participants inside St. John's campus. Options are available outside the campus as well, within walking distance.

### For further enquiry and registration, contact:

Dr Prem K. Mony, MD  
Course Director  
Head, Division of Epidemiology & Biostatistics  
St. John's Research Institute

Dr Tinku Thomas, PhD  
Course Coordinator  
Division of Epidemiology & Biostatistics  
St. John's Research Institute

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

St. John's Research Institute (SJRI)  
St. John's National Academy of Health Sciences,  
Bangalore – 560 034

# *Theory and Practice of Epidemiology and Biostatistics (EpiBio)*

Dates: 22—31 July 2013



**Venue:** Biorepository Conference hall,  
St. John's Research Institute

**Workshop fee:** Rs. 7000/- (seven thousand only)

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

## EpiBio course: 22<sup>nd</sup>— 31<sup>st</sup> July 2013

	MONDAY (22 <sup>nd</sup> )	TUESDAY (23 <sup>rd</sup> )	WEDNESDAY (24 <sup>th</sup> )	THURSDAY (25 <sup>th</sup> )	FRIDAY (26 <sup>th</sup> )	SATURDAY (27 <sup>th</sup> )	28 <sup>th</sup>	MONDAY (29 <sup>th</sup> )	TUESDAY (30 <sup>th</sup> )	WEDNESDAY (31 <sup>st</sup> )
<b>Theme</b>	Introduction		Descriptive/Cross-sectional study		Case-control/Cohort	Experimental study		Miscellaneous	Presentations	Miscellaneous
<b>9:00-9:30</b>	Registration & Inauguration	Review & feedback	Review & feedback	Review & feedback	Review & feedback	Review & feedback		Review & feedback	Review & feedback	Review & feedback
<b>Morning</b>	Orientation to Indian Health Scenario	Literature Review	Descriptive Study	Sample Size	Case-control & Cohort Studies	Experimental Study	S U N D A Y	Ecologic study	Group 1 presentation	Scientific Reporting
	Introduction to Adult Learning							Statistical significance	Group 2 presentation	
<b>10:45-11:00</b>	Tea	Tea	Tea	Tea	Tea	Tea		Tea	Tea	
<b>Pre-lunch</b>	Health Research Methods	Intro to Biostatistics - II	Study Formulation	Questionnaire Design & Data Collection	Study Formulation	Randomization & Masking		Statistical significance	Group 3 presentation	Qualitative Research
	Intro to Epi - I		Study Population		Epidemiological Measures	Study formulation		Health Economics	Group 4 presentation	Wrap up session
<b>12:45-</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>		<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>
<b>Post-lunch</b>	Intro to Biostatistics - I	Intro to Epi - II	Epidemiological Measures	Inferential Statistics	Sampling & Sample size	Sampling & Sample size		Disease Screening	Systematic Review/ Grading Evidence	
					Data Collection					
<b>3:00-3:15</b>	Tea	Tea	Tea	Tea	Tea	Tea		Tea	Tea	
<b>Post-tea</b>	Design of Study Protocol	Questionnaire Design	Testing Significance	Regulatory & Ethical Issues; Budgeting	Statistical methods	Groupwork planning		Non-parametric statistics	Applied Epidemiology	
<b>Evening</b>	Practicals	Practicals	Practicals	Practicals	Practicals		Practicals	Practicals		

Additional 2-day Demography course will continue on  
1-2 August 2013. Details on SJRI website—<http://www.sjri.res.in>



# Theory and Practice of Epidemiology & Biostatistics (EpiBio) 2013

St John's Research Institute, Bangalore 560034

22- 31 July 2013



## Registration Form

<b>Name of Participant &amp; Designation</b>			
<b>Name of the Institution</b>			
Contact Address			
Telephone/ Cell number			
Email address			
Accommodation required (Yes/No)			
(If yes, please tick choice)	Within Campus		Outside Campus (AC)
	(non-AC) Approx Rs 600/day	(AC) Approx Rs 1500/day	Approx Rs 3000/day
Agreeable for shared accommodation (Yes/No)			
Food preference (Veg/Non-veg)			
Reason for interest in the workshop			
Two main expectations from the workshop	1.  2.		
Any other information which you like to share			

### Important notes on registration:

1. A separate registration form needs to be filled for each participant
2. Accommodation can be arranged based on your preference

### Contact for further enquiry:

Dr Prem Mony, M.D.  
Course Director  
Head, Division of Epidemiology & Biostatistics  
St. John's Research Institute  
Bangalore – 560034

Dr Tinku Thomas, PhD  
Course Coordinator  
Division of Epidemiology & Biostatistics  
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