

Centre for Statistics
SRM Institute of Science and Technology

Training course on Systematic review and Meta-analysis

About the Course

This training course will introduce methods to perform systematic reviews and meta-analysis. How to formulate research question, define inclusion and exclusion criteria, search for the evidence, extract data, assess the risk of bias, and perform a meta-analysis will be covered in this course.

Course Content

1. Steps in conducting a systematic review
2. Develop research question using PICO framework
3. The process used to collect and extract data
4. Methods to critically assess the risk of bias of the studies
5. Perform and interpret the results of meta-analyses

Course Schedule

| Day | 1st Session 3.15 pm to 4.00 pm | 2nd Session 4.15 pm to 5.00 pm |
|------------|--|--|
| 05.10.2020 | Introduction to systematic review and meta-analysis | Framing a research question |
| 06.10.2020 | Search principles and Risk of bias assessment | Minimizing bias and qualitative synthesis |
| 07.10.2020 | Statistical methods for meta-analysis | Interpretation of results |

Course Date

05th October 2020 – 7th October 2020

Participant Fee

500 INR/Person

Co-ordinator

Dr. M. Bagavandas (Head)

Course Instructors

Dr. Dhivya Karmegam

Mr. G. Saravanan

No of Participants: 73