



Network Meta-Analysis Workshop

Traditional meta-analytical techniques within systematic reviews focus on synthesising evidence from trials comparing two interventions at a time. However, health care decisions rarely relies on the comparison of two interventions to make decisions, but rather all available treatment options. Network meta-analysis (NMA) is an extension to pair-wise meta-analysis and allows for the comparison of multiple treatments in a systematic review simultaneously in a network of trials.

Considering the rising demand for network meta-analysis and the limited regional capacity, the Division of Epidemiology and Biostatistics is facilitating a three-day internationally benchmarked NMA workshop using STATA, including an evidence synthesis symposium for South Africa researchers to present their work on the area.

The aim of the workshop is to develop local and regional capacity in conducting systematic reviews using network meta-analysis in STATA for health researchers and students.

Course objectives:

By the end of the workshop participants should be able to:

1. Understand and apply pairwise and NMA in STATA
2. Evaluate NMA assumptions and confidence in NMA results
3. Appropriately report NMA results

Workshop prerequisites:

The course is aimed at clinicians, students and researchers. Participants should be familiar with systematic reviews and meta-analysis and have a basic knowledge of biostatistics. Prior knowledge of STATA would be advantageous but not necessary as the software will be introduced to newcomers. Computers with STATA will be provided to all participants at the venue.

The workshop will be co-facilitated by an international NMA expert (Prof Dimitri Mavridis, University of Ioannina, Greece) together with the Division of Epidemiology and Biostatistics.

Course dates:

25-27 March 2020

Course Fee: R 3 500

For application details, contact Liesel Esterhuizen (lesterhuizen@sun.ac.za)



Programme Overview

Day 1 includes the NMA symposium

Date	Morning session (8:30-12:00)	Afternoon session (13:00-17:00)
Day 1	Network meta-analysis Symposium Open event. For more info click here	Introduction to STATA Introduction to STATA practical
Day 2	Overview of pairwise meta-analysis, meta-regression and small study effect Pairwise meta-analysis and meta-regression practical	Planning for NMA NMA theory
Day 3	NMA practical in STATA	Evaluating NMA assumptions Ranking of interventions Evaluating confidence of NMA results

Further details:

Registration will be from 8:00-8:30.

Venue: Stellenbosch University Faculty of Medicine and Health Science Library, Digital Commons e-classroom, Teaching building, 3rd Floor.

Time: The training will begin promptly at **8:30** and end approximately at **17:00**.

Dress code: Sessions are informal, please wear whatever you are comfortable in.

Preparation: You do not need to prepare anything for the workshop. Course material will be made available via SUNOnline.

Applicants are expected to submit a brief motivation, considering the workshop prerequisites as space is limited.

If you have any queries regarding content or non-administrative questions. Please contact Michael (mmccaul@sun.ac.za)