

About The Workshops

1. Basic Systematic Review & Meta-analysis Workshop ~ Locating, Synthesizing & Publishing the Best Evidence Available

This two-day Basic Workshop provides an essential overview of the entire systematic review process, as described in the “Cochrane Handbook for Systematic Reviews of Interventions”. It covers the key topics on developing a focused question (PICO method), effective literature searching, assessing risk of bias of studies, conducting meta-analysis using Review Manager, managing study heterogeneity and interpreting the results (e.g. forest and funnel plots).

2. Network Meta-analysis (NMA) Workshop

Prerequisite: Should have attended the “Basic Systematic Review & Meta-analysis Workshop” or have basic knowledge of meta-analysis and the RevMan software.

The two-day NMA Workshop is a mixture of lectures and practical work. NMA is an extension of direct pair-wise meta-analysis, which synthesizes evidence from both direct and indirect comparisons to estimate and rank clinical effectiveness of three or more interventions. Methods for data-entry, analysis, managing heterogeneity, interpretation and presentation of the results will be covered.

The workshops will be delivered through a mixture of interactive presentations and hands-on computer exercises.

Workshop materials will be provided in soft copies only.



Cochrane Workshops on:

1. Basic Systematic Review & Meta-analysis ~ Locating, Synthesizing & Publishing the Best Evidence Available

16 & 17 July 2018 (Monday & Tuesday)

Day 1: 9.00am – 5.00pm

Day 2: 8.30am – 5.00pm

2. Network Meta-analysis

18 & 19 July 2018 (Wednesday & Thursday)

9.00am – 5.00pm

National University of Singapore
Block MD1 (Tahir Foundation Building), Level 8
12 Science Drive 2
Singapore 117549

Limited seats
for each
workshop!

Jointly Presented By:
Cochrane Singapore,
SCRI Academy,
Singapore Clinical Research Institute
and
NUHS Systematic Review Unit

CPE points are in process of accreditation



Programmes

1. Basic Systematic Review & Meta-analysis Workshop

~ Locating, Synthesizing & Publishing the Best Evidence Available

Day 1 – Monday, 16 July 2018 (Protocol Development & Critical Appraisal)	
08:30	Registration
09:00	Welcome & Objectives
09:15	Introduction to Cochrane Systematic Reviews & the Review Protocol
09:30	Focused Question & the Parallel Group RCT Design
10:15	Morning Break
10:30	Searching for Evidence
11:00	Exercise: Searching for Evidence
11:45	Lunch
12:45	Study Processes, Causes & Effects of Bias
13:15	Appraising Material Bias in a RCT
13:45	Guided Exercise: Appraising Bias with the Cochrane RoB 2.0 Tool
14:15	Exercise: PICO & RoB Data-extraction (Caffeine)
15:00	Afternoon Break
15:15	Demo: Introduction to RevMan & Setting up RoB Table
16:00	Exercise: PICO & RoB Data-entry into RevMan (Caffeine)
17:00	End
Day 2 – Tuesday, 17 July 2018 (Introduction to Analysis)	
08:15	Registration
08:30	Understanding & Interpreting a Meta-analysis
09:15	Understanding Dichotomous Outcome Data for RevMan
10:00	Exercise: Dichotomous Outcome Data Extraction
10:20	Morning Break
10:35	Understanding Continuous Outcome Data for RevMan
11:10	Exercise: Continuous Outcome Data Extraction
11:30	Understanding Count & Rate Outcome Data for RevMan
12:15	Exercise: Survival Outcome Data Extraction
12:30	Lunch
13:30	Understanding & Exploring Heterogeneity in a Systematic Review
14:15	Demo: Setting up Outcome Data Tables & Outcome Data-entry into RevMan
15:00	Afternoon Break
15:15	Understanding the Summary of Findings Table
16:00	Appraise the Certainty of Evidence
16:30	Demo: Creating the Summary of Findings Table using GRADEPro GDT
17:00	End

Programmes (cont'd)

2. Network Meta-analysis (NMA) Workshop

Day 1 – Wednesday, 18 July 2018	
08:30	Registration
09:00	Opening & Welcome Address
09:10	Refresher of Systematic Review Processes
09:30	Overview of Network Meta-analysis
10:00	Morning Break
10:20	Systematic Reviewing for a NMA – Special Considerations
11:00	Introduction to the Research Question & Evidence for the Binary Outcome
11:30	Exercise: Refresher of Pair-wise Meta-analysis using RevMan
12:30	Lunch
13:30	Introduction to Indirect & Multiple Treatment Comparisons Evidence Synthesis
14:00	Exercise: Estimating Effects by ITC & MTC using Revman
15:00	Afternoon Break
15:20	Assumptions & Qualitative Checks for NMA
15:50	Checking the Statistical Consistency Assumption for NMA
16:50	Recap of the Day
17:00	End
Day 2 – Thursday, 19 July 2018	
08:30	Registration
09:00	Overview of the NMA Meta-regression Model
10:00	Morning Break
10:20	Presenting & Interpreting the Results of an NMA
11:20	Exercise: Dataset Structure & Binary Outcome Data-entry in STATA
12:00	Lunch
13:00	Exercise: Conducting an NMA using STATA (Binary Outcome) & Interpreting the Results
14:00	Introduction to the Research Question & Evidence for the Continuous Outcome Practical Exercise
14:30	Exercise: Dataset Structure & Continuous Outcome Data-entry in STATA
15:00	Afternoon Break
15:20	Exercise: Conducting an NMA using STATA (Continuous Outcome) & Interpreting the Results
16:00	GRADE for NMA
16:30	Recap of Workshop & Feedback
17:00	End

Facilitators (Cochrane Singapore)

Director:

Assoc Prof Edwin CHAN
Chief Scientific Officer,
Singapore Clinical Research Institute

Deputy Director:

Dr Luming SHI
Head of Epidemiology
Singapore Clinical Research Institute

Staff Members:

Dr Yoko WONG
Senior Epidemiologist, SCRI

Dr Nisa DE SOUZA
Epidemiologist, SCRI

Dr Qizhi ZHENG
Epidemiologist, SCRI

Ms Joanna LING
Biostatistician, SCRI

Ms Rehena GANGULY
Biostatistician, Cochrane Singapore

Registration Details

Registration Fees (with GST)	
Basic Systematic Review & Meta-analysis Workshop (2 days)	S\$749
Network Meta-analysis Workshop (2 days)	S\$749
Basic Systematic Review & Meta-analysis <u>AND</u> Network Meta-analysis workshops (4 days)	S\$1,284

* *Registration fees can be considered for waiver for first 5 eligible registered Cochrane authors for the Basic Workshop. Please contact the Secretariat for details.*

For registration, please visit:

<https://itumed.nus.edu.sg/psu/registration/index.aspx>

For enquiries, please contact:

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Closing is on
18 June 2018, Monday

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Any cancellation must be conveyed to the Secretariat in writing. There will be no fee refund for any cancellation after 18 June 2018. The Organiser reserves the right to cancel the workshop and fully refund the participants should unforeseen circumstances necessitate it.