CAMCCO-L

Knowledge Synthesis for Knowledge Users
Part 2

Course Syllabus   *2024-2025*

ONLINE COURSE

MODULE 5
Methodology

DATE/TIME
Thursday, April 17th, 2025
13:30 to 16:30 EDT

LANGUAGE
English

FREE REGISTRATION
www.camccol.com

DESCRIPTION

Part 2 of this course will explore important topics in evidence synthesis, building on their previous introductory training on knowledge synthesis. Attendees will be introduced to the basic principles and concepts of network meta-analysis (NMA). The key assumptions of NMA, including transitivity and consistency between different sources of evidence in a network will be exemplified.

LEARNING OBJECTIVES

- Demonstrate the basic principles of pairwise meta-analysis
- Identify effect measures used in meta-analysis for dichotomous and continuous outcomes
- Introduce heterogeneity, and common meta-analytical approaches (common and random effects models)
- Describe important aspects of interpreting meta-analysis results using real-life examples
- Understand the usefulness of NMA in medical research
- Communicate how direct and indirect evidence can be combined within NMA and how it is related to pairwise meta-analysis
- Understand principles and prerequisite assumptions in NMA, and investigate heterogeneity, intransitivity, and inconsistency
- Understand and present different methods for ranking interventions
- Become familiar with ways of presenting NMA results

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