

## Network Meta-Analysis Workshop

January 12<sup>th</sup> – 13<sup>th</sup>, 2026 - Virtual

### Monday, January 12<sup>th</sup>, 2026

11:00 am – 11:10 am CST	Welcome and course overview
11:10 am – 11:40 am CST	<p><u>Plenary</u>: Overview of network meta-analysis (NMA) in systematic reviews and guidelines: Definitions, rationale, and benefits</p> <p>M. Hassan Murad</p>
11:40 am – 12:30 pm CST	<p><u>Plenary</u>: Systematic review steps for NMA</p> <p>Developing the PICO, identifying nodes, conducting the search, performing screening and data extraction, and preparing data for analysis</p> <p>Yngve Falck-Ytter &amp; Shahnaz Sultan</p>
12:30 pm – 1:30 pm CST	Lunch break
1:30 pm – 1:45 pm CST	<p><u>Plenary</u>: The assumptions of NMA: Homogeneity, transitivity and coherence</p> <p>Philipp Dahm</p>
1:45 pm – 2:15 pm CST	<p><u>Plenary</u>: Basic statistical background of NMA</p> <p>M. Hassan Murad</p>
2:15 pm – 3:00 pm CST	<p><u>Plenary</u>: NMA output: Direct, indirect, and network estimates</p> <p>Reem Mustafa</p>
3:00 pm – 3:30 pm CST	Break
3:30 pm – 4:00 pm CST	<p><u>Plenary</u>: NMA output: Ranking of interventions</p> <p>M. Hassan Murad</p>
4:00 pm – 4:30 pm CST	<p>Small group: Homogeneity, transitivity and coherence</p> <ul style="list-style-type: none"> <li>Appraise a published article for intransitivity and incoherence</li> </ul> <p>M. Hassan Murad, Reem Mustafa, Philipp Dahm &amp; Shahnaz Sultan</p>
4:30 pm CST	<b>Adjourn Day 1</b>



# Network Meta-Analysis

A workshop using the GRADE approach

**Tuesday, January 13<sup>th</sup>, 2026**

**11:00 am – 12:15 pm CST**    Plenary: GRADE approach for assessing the certainty of NMA  
Reem Mustafa

**12:15 pm – 1:00 pm CST**    ***Hands-on Exercise***: Assessing the certainty of the evidence from a NMA

**1:00 pm – 1:30 pm CST**    Lunch break; Adjourn for those not joining R session

**OPTIONAL SESSION: CONDUCTING A NETWORK META-ANALYSIS USING R**

**1:30 pm – 2:30 pm CST**    Plenary: Introduction to R and conducting NMA  
M. Hassan Murad

**2:30 pm – 3:00 pm CST**    Small group: Getting set up in R: Basic functions, package and data upload  
M. Hassan Murad, Yngve Falck-Ytter, and Madelin Siedler

**3:00 pm – 4:30 pm CST**    ***Hands-on Exercise***: Performing NMA in R

**4:30 pm CST**    **Adjourn**