

Use of Meta-Analyses in Nutrition Research and Policy: Best Practices of Conducting Meta-Analysis

The Second in the Series

MONDAY, SEPTEMBER 25, 2023

Purpose

The second in the series, this workshop will address best practices for conducting a Meta-Analysis, especially in the context of nutrition. The objectives of the session are:

- To use best practices for screening data for potential data errors.
- To utilize a system for evaluation of risk of bias of study design.
- To utilize a system for evaluation of study results, including precision and consistency of estimates, and the potential for publication bias.
- To explain how to interpret the results of meta-analysis (mean difference, CI, p-value, I², direction), and what to do if assumptions are violated, and whether it is expected to have higher statistical heterogeneity for nutrition studies.

12:00 PM

Welcome

Janet Tooze, *Wake Forest University; Planning Committee Member*

12:10 PM

Presentations

Moderator: Janet Tooze, Wake Forest University; Planning Committee Member

Presenters:

Best Practices of Meta-Analysis in Nutrition Research: A Case Study of Food Marketing Evidence Synthesis to Inform Policy Guidelines

Emma Boyland, *University of Liverpool*

Andrew Jones, *Liverpool John Moores University*

George Wells, *University of Ottawa*

1:10 PM

Panel Discussion

George Wells, *University of Ottawa*

Emma Boyland, *University of Liverpool*

Andrew Jones, *Liverpool John Moores University*

Elie Akl, *American University of Beirut*

Joseph Beyene, *McMaster University*

M. Hassan Murad, *Mayo Clinic*

1:50 PM

Closing Remarks

Russell J de Souza, *McMaster University; Planning Committee Member*

MEETING ADJOURNS