

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