Research and development

- An empirical study comparing the impact of using different statistical methods for random effects meta-analysis applied to meta-analyses in the Cochrane reviews. Specifically, examining the impact of using different heterogeneity variance estimators (Paule-Manel, Restricted Maximum Likelihood, and DerSimonian and Laird) and different methods for confidence interval calculation for the summary effect estimate (Hartung-Knapp-Sidik-Jonkman, Wald-type).

Best practice and guidance

- Lead on and contribute to several chapters of the Cochrane Handbook and co-developing Cochrane standard author training materials.
- The Kilim plot: a tool for visualizing network meta-analysis results for multiple outcomes.
- Synthesis without meta-analysis (SWiM) in systematic reviews: reporting guideline.

Methods implementation

- Webinar series in collaboration with Cochrane Training: Meta-analysis of joint longitudinal and time-to-event data.
- Identifying effective components of complex interventions: Component network meta-analysis.
- Identifying publication bias in meta-analyses of continuous outcomes.