Cochrane Methods Statistics

2023

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Highlight:
Delivered online training for statistical editors and statisticians supporting Cochrane groups

Research and development

- Proposed recommendations for random-effects meta-analysis methods to be implemented in RevMan Web. These recommendations were endorsed by Cochrane in September 2022 and implementation is underway.

Best practice and guidance

- Co-organised webinars with Cochrane Training, including:
  - crossnma: An R package to synthesize cross-design evidence and cross-format data using network meta-analysis and network meta-regression.
  - Answering complex hierarchy questions in network meta-analysis.
  - Performing meta-analyses in the case of very few studies.
  - Quantiles of the marginal and conditional dose-response relation based on weighted mixed-effects models.
  - NMAstudio: a fully interactive tool for network meta-analyses.
  - A new approach to evaluating loop inconsistency in network meta-analysis.
  - The ROB-MEN tool to evaluate the risk of bias due to missing evidence in network meta-analysis.

Methods implementation

- Informed the development of Cochrane's Authors Training Materials.
- Provided support to review authors, Cochrane Review Groups and the Methods Support Unit by contributing expertise as peer reviewers and advisers.
- Co-authored Cochrane Reviews.