



2021

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Highlight:

Hosted the virtual 'A day with ... the Statistical Methods Group', which provided an important forum for bringing together our Cochrane Statistical Methods community



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

- Co-organised webinars with Cochrane Training, including identifying publication bias in meta-analyses of continuous outcomes and comparing test accuracy
- Contributed to other events and workshops including Cochrane Training in Australia and the Advanced Methods and Innovative Technologies for Evidence Synthesis Virtual Methods Symposium



Methods implementation

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