

RoB 2 implementation and training

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Trusted evidence.
Informed decisions.
Better health.



Overview

- RoB 2 published August 2019
- Approved by Cochrane Scientific Committee
- Cochrane decided on a **gradual, supported rollout** across 2019/2020

- Details here:
<https://methods.cochrane.org/risk-bias-2>



Excel tool

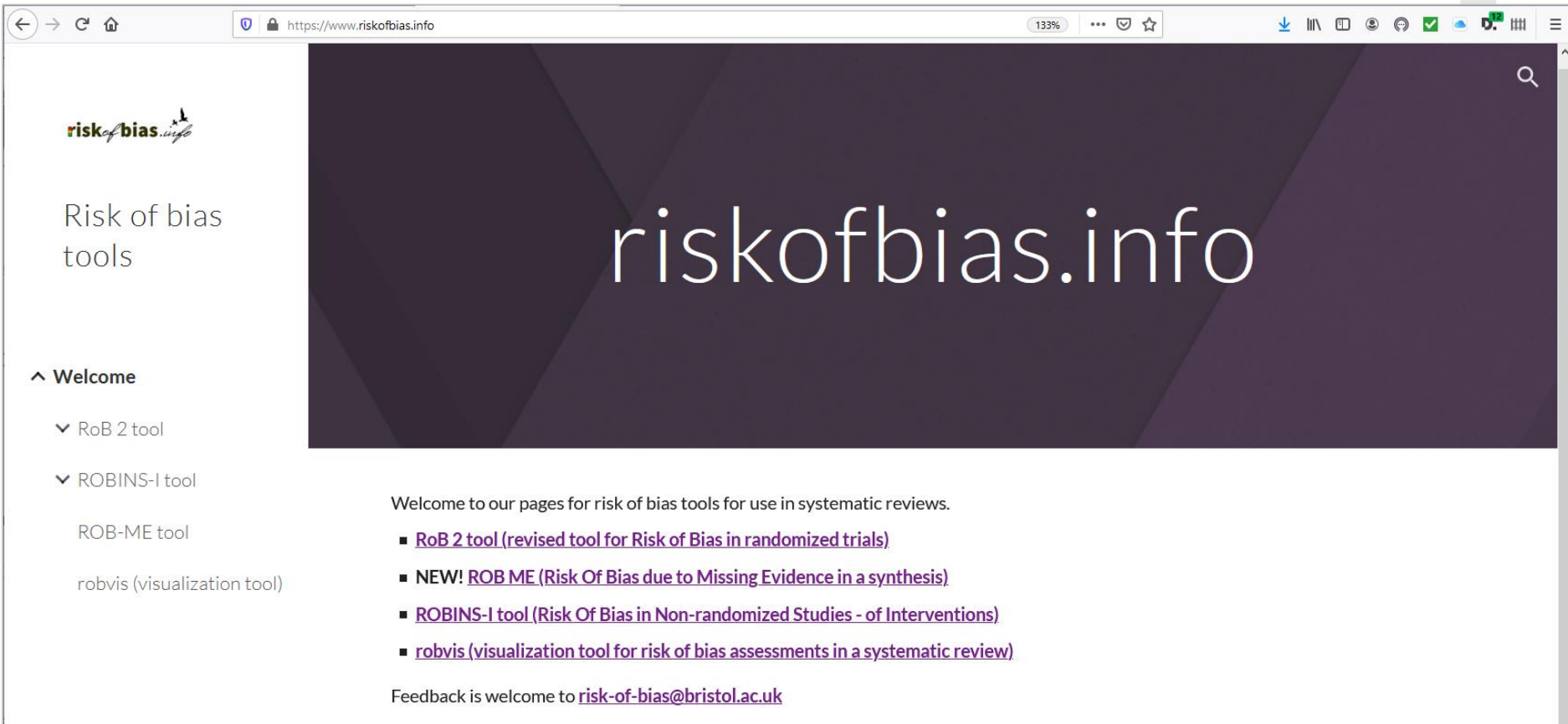
Online platform (coming soon)

- RevMan 5
- RevMan Web

robvis

Covidence (in development)

The recommended way to do RoB 2 assessments at the moment



The screenshot shows a web browser window displaying the homepage of riskofbias.info. The browser's address bar shows the URL https://www.riskofbias.info. The page features a dark purple header with the text 'riskofbias.info' in white. On the left side, there is a navigation menu with the following items: 'Risk of bias tools', 'Welcome', 'RoB 2 tool', 'ROBINS-I tool', 'ROB-ME tool', and 'robvis (visualization tool)'. The main content area contains a welcome message and a list of tools:

Welcome to our pages for risk of bias tools for use in systematic reviews.

- [RoB 2 tool \(revised tool for Risk of Bias in randomized trials\)](#)
- **NEW!** [ROB ME \(Risk Of Bias due to Missing Evidence in a synthesis\)](#)
- [ROBINS-I tool \(Risk Of Bias in Non-randomized Studies - of Interventions\)](#)
- [robvis \(visualization tool for risk of bias assessments in a systematic review\)](#)

Feedback is welcome to risk-of-bias@bristol.ac.uk

Summary: resources for Cochrane authors/editors

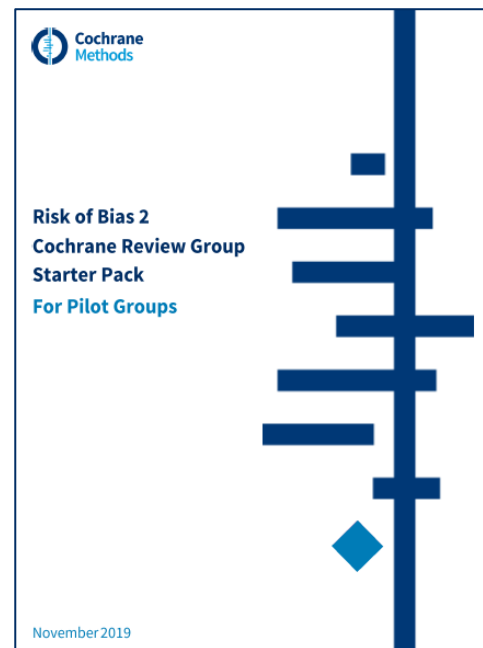
➤ Support

- RoB 2 Pilot project
 - RoB 2 Pilot Starter Pack & FAQs
 - monthly webinar clinics
- Methods Support Unit

➤ Training

- Cochrane Handbook
- Interactive learning module
- Updating standard author training materials (coming soon)
- RoB2 webinar series

<https://training.cochrane.org/rob-2-learning-live-webinar->



CRG / Author team
join the Pilot



Protocol
assessment



Kick off call



Review
assessment

currently 75 reviews
(in 36 CRGs)

Methods Support Unit

CRG
Methods Support Unit
Authors
Implementation team
RevMan Web
developers

Methods Support Unit

- first review from the pilot soon to be published in CDSR
- accompanying editorial

The starter pack

- List of guidance and training available
- Links to tools to implement RoB 2
- Protocol considerations
- Interim recommendations for cluster-randomized and cross-over trials (tools not yet released)
- Reporting RoB in the review
- Tips
- FAQs (will move to web pages)



Risk of bias

Click on one or more cells to see and compare the Support for judgement for that bias, or click on a bias header to open all bias in that column.

Legend:  Low risk of bias  High risk of bias  Some concerns

Table Risk of bias for analysis 1.1 ADL Outcomes - Immediately after intervention

Study	Bias					Overall
	Randomisation process	Deviations from intended interventions	Missing outcome data	Measurement of the outcome	Selection of the reported results	
Ada 2013						
Blinded outcome assessment using a validated measure, in which assessors were trained						
Burgar 2011						
Some data						
Dromerick 2009						
Some data						
English 2015						
Some data						
GAPS 2004						
Blinded outcome assessment, using a reliable and valid measure						
Lincoln 1999						
Some data						
Wang 2004						
Some data						

Table Risk of bias for analysis 1.1 ADL Outcomes - Medium term outcomes

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Abstract

Plain language summary

Authors' conclusions

Background

Objectives

Methods

Results

Discussion

Appendices

Information

Authors

History

References

Characteristics of studies

Risk Of Bias

Data and analyses

 Figures and tables

 Related content

Investigate sensitivity - 1.1 Headache

Odds ratio

Risk ratio

Risk difference

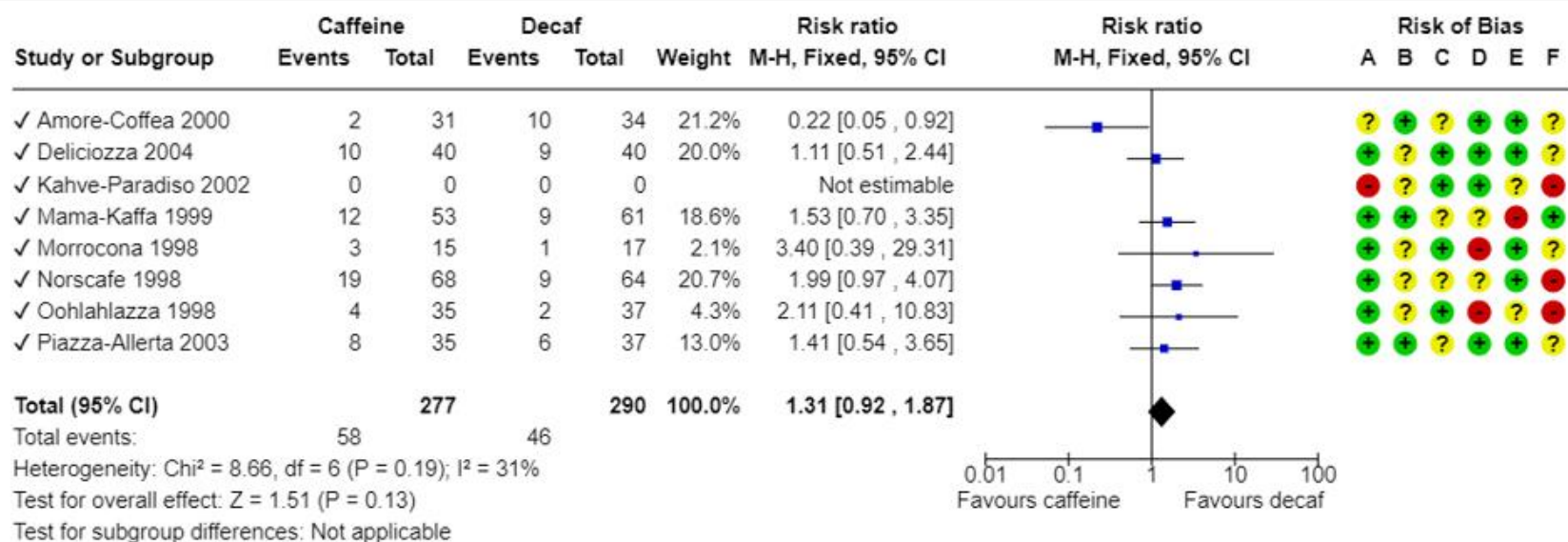
Fixed effect

Random effects

Scale

100

Save image



Risk of bias legend

- (A) Bias arising from the randomization process
- (B) Bias due to deviations from intended interventions: Headache
- (C) Bias due to missing outcome data: Headache
- (D) Bias in measurement of the outcome: Headache
- (E) Bias in selection of the reported result: Headache
- (F) Overall bias: Headache