

Introduction to Risk of Bias 2.0 (1 Day)

Duration	2 x 0.5 day sessions (1 Day total)
Skill level	Beginner
Target Audience	Healthcare professionals, academics, researchers, decision-makers and Evidence Synthesis Ireland Fellows new to risk-of-bias assessment or who have performed risk-of-bias assessments before but are new to the RoB 2 tool.
Prerequisites	None
Venue	Online
Date	Tuesday July 6 th 10 am – 1 pm Wednesday July 7 th 10am - 1pm
Places	30 places available for individuals who are resident on the island of Ireland

Background

The revised tool for assessing risk of bias in randomised trials (RoB 2) was published in late 2019, building on the established Cochrane risk-of-bias tool first released through the Cochrane Handbook in 2008. This session will introduce the RoB 2 tool.

Aim

To introduce the RoB 2 tool, describe the risk-of-bias domains it considers, provide an overview of how the tool should be applied, and support the application of the tool.

Learning outcomes

In this course, participants will be enabled to:

- Describe the key concepts of the RoB2 tool
- Apply the revised RoB 2 in their reviews

Teaching strategies

The workshop will consist of a mixture of presentations and practical sessions, along with a protected period for Q&A at the end. The practical sessions will be built around a practical “hands-on” risk-of-bias assessment.

Facilitator(s)

Luke McGuinness (University of Bristol)

Course content/timetable

Day 1

Time	Session Title	Session Description
10:00-11:00	Session I	This session will: <ul style="list-style-type: none">• Define “bias” in the context of RoB 2• Introduce the new RoB 2 tool and highlight differences from the established tool• Provide a summary how the tool is applied (preliminary considerations, signalling questions and judgement algorithms)• Introduce Domain 1 (Bias arising from the randomisation process), and walkthrough the domains Signalling Questions and algorithm
11:00-11:30	Practical I	This practical will: <ul style="list-style-type: none">• Familiarise attendees with the preliminary steps of the RoB 2 tool• Give participants an opportunity to apply Domain 1 to an example study
11:30-11:45	Coffee Break	
11:45-12:15	Session II	This session will: <ul style="list-style-type: none">• Discuss effects of interest• Introduce Domain 2 (Bias due to deviations from the intended interventions), and walkthrough the domains Signalling Questions and algorithm
12:15-12:45	Practical II	This practical will: <ul style="list-style-type: none">• Provide participants with an opportunity to apply Domain 2 to an example study
12:45-13:00	Q&A	Protected time for attendee questions

Day 2

Time	Session Title	Session Description
10:00-11:00	Session III	This session will: <ul style="list-style-type: none">• Introduce Domain 3 (Bias due to missing outcome data), and walkthrough the domains Signalling Questions and algorithm• Introduce Domain 4 (Bias in measurement of the outcome), and walk through the domains Signalling Questions and algorithm
11:00-11:30	Practical III	This practical will: Provide participants with an opportunity to apply Domains 3 & 4 to an example study
11:30-11:45	Coffee Break	
11:45-12:15	Session IV	This session will: <ul style="list-style-type: none">• Introduce Domain 5 (Bias due in selection of the reported result), and walkthrough the domains Signalling Questions and algorithm• Describe considerations when reaching an overall judgement• Discuss how results of ROB2 assessments should be used/presented in the review• Introduce tools to support users in applying and visualising the results of RoB 2
12:15-12:45	Practical IV	This practical will: <ul style="list-style-type: none">• Provide participants with an opportunity to apply Domain 5 to an example study• Encourage users to consider how the results of the example assessment could be used in a systematic review.• Allow attendees to practice with some of the tools described in Session IV.
12:45-13:00	Q&A	Protected time for attendee questions