



EVIDENCE SYNTHESIS I R E L A N D

Introduction to Risk of Bias 2.0 Online – 1 Day (2 x half days)

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

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.

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.

Date/Time:

**Tuesday July 6th
10am – 1pm**

**Wednesday July 7th
10am – 1pm**

Facilitator:

**Luke McGuinness
(University of Bristol)**

Skill level:

Beginner

Prerequisites:

None

Places:

**20 places available for
individuals who are
resident on the island of
Ireland**

Fee:

**€100 (General)
€50 (Student)**

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Course timetable

| Day 1 – Tuesday 6th July 2021 | | |
|-------------------------------|---------------|--|
| 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 |

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Course timetable

| Day 2 – Wednesday 7th July 2021 | | |
|---------------------------------|---------------|--|
| 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: <ul style="list-style-type: none">• 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 |

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