***Introduction to Risk of Bias 2.0 (1 Day)***

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| **Duration** | 2 x 0.5 day sessions (1 Day total) |
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| **Skill level** | Beginner |
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| **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 |
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| **Venue** | Online |
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| **Date**  **Places** | Tuesday July 6th 10 am – 1 pm  Wednesday July 7th 10am - 1pm  30 places available for individuals who are resident on the island of Ireland |
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**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**

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| Time | Session Title | Session Description |
| 10:00-11:00 | Session I | This session will:   * 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:   * 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:   * 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:   * 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**

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| Time | Session Title | Session Description |
| 10:00-11:00 | Session III | This session will:   * 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:   * 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:   * 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 |