Cochrane Systematic Review Advanced Author Training (1 Day)

Duration	1 day
Skill level	Advanced
Target Audience	Healthcare professionals, academics, researchers, decision makers and Evidence Synthesis Ireland fellows who are actively involved in performing a Cochrane systematic review.
Prerequisites	Ideally participants will have completed their review protocol, developed and conducted their search strategy and begun data extraction and analysis.
Venue	Xxxxx
Registration fee	Xxx

Background

Health care policy and practice decisions should be based on a synthesis of the global body of evidence rather than relying on individual studies. Cochrane Ireland and Evidence Synthesis Ireland promote evidence based healthcare policy and practice by supporting high quality, relevant systematic reviews and other synthesised research evidence.

Aim

This workshop provides authors, actively involved in conducting a Cochrane systematic review, with confidence to assess a wide range of data types. It offers an insight into more complex methods of meta-analysis. This workshop also includes an overview on how to produce a summary of findings table for use in your review.

Learning outcomes

In this course participants will be enabled to:

- Understand how to interpret results and draw conclusions
- Understand more complex meta-analysis methods
- Attain an understanding of how to assess quality of evidence using the GRADE method
- Understand how to create a summary of findings table

Teaching strategies

The workshop will consist of a mixture of short presentations, led by members of the Cochrane Ireland teaching faculty covering analysis methods, risk of bias and exploring heterogeneity. It includes small group activities and plenary discussions, providing participants with the opportunity to develop and refine their protocol. The number of participants for the course is limited to 25.

Facilitators

TBC

Course content/timetable

Advanced Data Analysis for Cochrane Systematic Reviews	
08:30-09:00	Registration and coffee
09:00	Welcome, introduction of presenters and outline of presentations
09:15	The generic inverse variance method of meta-analysis
10.15	Continuous data with zero and small counts
11.00	Break
11:15	Converting other data types to binary form
12.00:	Calculating standard deviations when they are missing from papers, using other reported values
12:45	Lunch
13:15	Using change scores, time-to-event data
14:00	Dealing with multiplicity - outcomes, interventions & crossover trials
14:45	Break
15:00	Assessing quality of evidence using the GRADE method
15:45	Summary of findings tables
16.30	Close