

# Comprehensive Systematic Review Training Curriculum

## Module 1 Introduction to EBHC and Protocol Development

### Day 1

Time	Session	Group Work
0900	Welcome	
0910	Session 1.1: Introduction to evidence based practice and the Joanna Briggs Institute	
1000	Morning Tea	
1015	Session 1.2: Models of evidence based practice and evidence based healthcare	
1045	Session 1.3: Why systematic reviews? The systematic review process	
1130	Session 1.4: Developing a Review Question and inclusion criteria Introduction to software: CReMs demonstration	Group work: Write PICO/PICo questions Report back
1215	Lunch	
1315	Session 1.5: Developing a search strategy to retrieve evidence	Group work: Use review question to construct a concept map that will help guide the search strategy
1400	Session 1.6: Using Boolean logic, MeSH terms and bibliographic databases as research resources	Group work: Searching using a bibliographic database  ReMS Exercise/Develop Own Protocol Group Activity
1445	Afternoon Tea	
1500	Session 1.7: Retrieval of studies Using the review question and inclusion criteria to retrieve studies that will be appraised for inclusion	Group work: Retrieving Studies from a list of titles and abstracts Report back
1545		Group Work: Protocol development in CReMS Report back
1700	Close	

**Module 2 Systematic Review of Quantitative Evidence, Part 1**  
**Day 2**

<b>Time</b>	<b>Presentation</b>	<b>Group Work</b>
0900	Overview/Recap	
0910	Systematic Review of Effectiveness- Introduction	
930	Session 2.1: Critical appraisal of quantitative evidence	
1000	Morning Tea	
1030	Session 2.2: Critical appraisal of RCTs and CCTs	
1100		Group work: Critical appraisal of 2 randomized controlled and clinical controlled trials and the decision to include in the review Report back
1130	Session 2.3: Appraising observational studies	
1200		Group work: Critical appraisal of observational studies Report back
1230	Lunch	
1330	Session 2.4: Appraising diagnostic studies	
1400		Group work: Appraise a diagnostic study Report back
1430	Session 2.5: Appraising prognostic studies	
1500		Group work: Appraise a prognostic study Report back
1530	Afternoon Tea	
1600		Continued work on protocol development
1700	Close	

**Module 2 Systematic Review of Quantitative Evidence, Part 2**  
**Day 3**

<b>Time</b>	<b>Presentation</b>	<b>Group Work</b>
0900	Overview/Recap of first half of quantitative reviews	
0915	Session 2.6 Meta-analysis: Concepts of heterogeneity and data pooling	
0950	Session 2.6 cont: Use of forest plots in relation to meta-analysis	
1030	Morning Tea	
1100	Session 2.7 Data extraction	Group work: Practice extracting quantitative data
1230	Lunch	
1330	Session 2.8 Demonstration using software for Meta-Analysis Trial Using MASTARI	Group work 2.6: Meta-analysis trial using RevMan and MASTARI Feedback
1430	Afternoon Tea	
1500		Group work Protocol Development, continued
1700	Close	

**Module 3: Appraising, Extracting and Pooling Qualitative Evidence  
Day 4**

<b>Time</b>	<b>Presentation</b>	<b>Group Work</b>
0900	Session 3.1: Reviewing evidence arising out of qualitative research Intro to QARI	
0930	Session 3.2: Critical appraisal of evidence arising out of qualitative research	
1000	Morning Tea	
1030		Group Work 3.1 Critical appraisal of evidence arising out of qualitative research Report back
1200	Lunch	
1300	Session 3.3: Introduction to data extraction Metasynthesis	
1330	Session 3.4: QARI demonstration	
1400		Group work 3.2: Metasynthesis and QARI trial Report back
1530	Afternoon Tea	
1600		Group work: Protocol development
1700	Close	

**Module 4: Appraising, Extracting and Pooling Text,  
Expert Opinion & Discourse  
Day 5**

<b>Time</b>	<b>Presentation</b>	<b>Group Work</b>
0900	Overview/Recap	
0910	Session 4.1 Reviewing evidence arising out of expert opinion and discourse.	
0945	Introduction to NOTARI	
1030	Morning Tea	
1100		Group work 4.1: Critical appraisal of evidence arising out of text, expert opinion and discourse Report back
1230	Lunch	
1330		Group work 4.2: NOTARI Trial
1430	Afternoon Tea	
1500		Presentation of Protocols
1630	Evaluations and wrap-up	
1645	Close	