Search methods and strategy peer review assessment form for Cochrane intervention updates[[1]](#footnote-1)

For use by a Cochrane Information Specialist, or an expert searcher external to Cochrane, to peer review an update's search methods.

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| Review title |  |
| Authors |  |
| Editorial team |  |

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| Reviewer:  | Email:  | Date of Completion: |

Part A of this form (item 1) is structured around the search-related mandatory requirements for Cochrane intervention reviews as detailed in the MECIR standards for reporting updates. The complete MECIR manual can be found here: <https://community.cochrane.org/mecir-manual>

Part B of this form (items 2-7) presents the [PRESS](https://www.jclinepi.com/article/S0895-4356%2816%2900058-5/fulltext) elements (adapted by the Cochrane Information Specialist Support Team in 2019) for assessing the main database search strategy provided in the update. Where appropriate, each item also details the relevant MECIR conduct standard.

PART A: MECIR ELEMENTS

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| **1. Search for studies****UR3 Describe which sources of information were searched for the update, and how. If any of the sources originally searched were not searched for the update, this should be explained and justified.***See also* [*related conduct standards U6 - Searching*](https://community.cochrane.org/mecir-manual/standards-planning-conduct-and-reporting-updates-cochrane-intervention-reviews-u1-u11-ur1-ur7/deciding-and-performing-update-u1-u11-ur1-ur7/conduct-standards-specific-updates-u6-u11)*, related standards for planning the update* [*U4 – Planning the search*](https://community.cochrane.org/mecir-manual/standards-planning-conduct-and-reporting-updates-cochrane-intervention-reviews-u1-u11-ur1-ur7/deciding-and-performing-update-u1-u11-ur1-ur7/planning-update-u1-u5) |
| A. No revisions | □ |
| B. Revision(s) suggested[[2]](#footnote-2) | □ |
| C. Revision(s) required | □ |

*If “B” or “C,” please provide an explanation or example:*

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**PART B: PRESS ELEMENTS**

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| **2. TRANSLATION/STRUCTURE OF SEARCH****C32 Inform the structure of search strategies in bibliographic databases around the main concepts of the review, using appropriate elements from PICO and study design. In structuring the search, maximize sensitivity whilst striving for reasonable precision.** *See full MECIR item* [*here*](https://community.cochrane.org/mecir-manual/standards-conduct-new-cochrane-intervention-reviews-c1-c75/performing-review-c24-c75/searching-studies-c24-c38) |
| A. No revisions | □ |
| B. Revision(s) suggested | □ |
| C. Revision(s) required | □ |

*If “B” or “C,” please provide an explanation or example:*

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| **3. BOOLEAN AND PROXIMITY OPERATORS****C32 …ensure correct use of the AND and OR operators.** *See full MECIR item* [*here*](https://community.cochrane.org/mecir-manual/standards-conduct-new-cochrane-intervention-reviews-c1-c75/performing-review-c24-c75/searching-studies-c24-c38) |
| A. No revisions | □ |
| B. Revision(s) suggested | □ |
| C. Revision(s) required | □ |

*If “B” or “C,” please provide an explanation or example:*

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| **4. SUBJECT HEADINGS****C33 Identify appropriate controlled vocabulary (e.g. MeSH, Emtree, including 'exploded' terms).** *See full MECIR item* [*here*](https://community.cochrane.org/mecir-manual/standards-conduct-new-cochrane-intervention-reviews-c1-c75/performing-review-c24-c75/searching-studies-c24-c38) |
| A. No revisions | □ |
| B. Revision(s) suggested | □ |
| C. Revision(s) required | □ |

*If “B” or “C,” please provide an explanation or example:*

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| **5. TEXT WORD SEARCHING****C33 … and identify free-text terms (considering, for example, spelling variants, synonyms, acronyms, truncation and proximity operators).** *See full MECIR item* [*here*](https://community.cochrane.org/mecir-manual/standards-conduct-new-cochrane-intervention-reviews-c1-c75/performing-review-c24-c75/searching-studies-c24-c38) |
| A. No revisions | □ |
| B. Revision(s) suggested | □ |
| C. Revision(s) required | □ |

*If “B” or “C,” please provide an explanation or example:*

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| **6. SPELLING, SYNTAX, AND LINE NUMBERS** |
| A. No revisions | □ |
| B. Revision(s) suggested | □ |
| C. Revision(s) required | □ |

*If “B” or “C,” please provide an explanation or example:*

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| **7. LIMITS AND FILTERS****C19 … ensuring that relevant time periods … and not restricted by language or publication status.****C34 Use specially designed and tested search filters where appropriate including the Cochrane Highly Sensitive Search Strategies for identifying randomized trials in MEDLINE, but do not use filters in pre-filtered databases e.g. do not use a randomized trial filter in CENTRAL or a systematic review filter in DARE.** *See full MECIR items* [*here*](https://community.cochrane.org/mecir-manual/standards-conduct-new-cochrane-intervention-reviews-c1-c75/performing-review-c24-c75/searching-studies-c24-c38) |
| A. No revisions | □ |
| B. Revision(s) suggested | □ |
| C. Revision(s) required | □ |

*If “B” or “C,” please provide an explanation or example:*

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| **RECOMMENDATION:****Please see the guidance below on recommendations in Editorial Manager** |
| Accept | □ |
| Minor Revision | □ |
| Major Revision | □ |
| Reject | □ |

**Additional comments:**

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**Declaration of conflicts of interest**

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| --- | --- | --- |
| **Do you have any potential conflict of interest?** | □ **Yes (details below)** | □ **No** |
| You should declare and describe any present or past affiliations or other involvement in any organisation or entity with an interest in the outcome of the review that might lead to a real or perceived conflict of interest. This includes acting as an investigator of a study that might be included in this review. You should declare potential conflicts even if you are confident that your judgement is not influenced. |
| **Conflict of interest statement:** |

**Peer referee anonymity and acknowledgement**

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| --- | --- | --- |
|  | **Yes** | **No** |
| I am willing to be identified as the author of this referee feedback | □ | □ |
| I am happy to be acknowledged in the published review | □ | □ |
| I am happy to be acknowledged on the Group’s website | □ | □ |

**Peer reviewer Guidance: First-order and second-order problems in search conduct**

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| **First-order problems (likely to impact recall)** | **Second-order problems (likely to impact precision)** |
| - Errors in conceptualization- Errors using logical operators- Spelling errors- Error in the combination of lines- Missing MeSH terms | - Missing free-text language- Missing free-text and MeSH combinations- Missing spelling variants- Inadequate truncation- Irrelevant free-text language- Inadequate use of limits |

**Peer reviewer Guidance re: Required vs suggested revisions**

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| **Peer Review form items** | **Required revisions** | **Suggested revisions** |
| **Part A (MECIR) – Reporting**  | Missing mandatory MECIR itemsInconsistent methods reporting (e.g., search dates) | Missing highly desirable MECIR items |
| **Part A (MECIR) – Conduct** | Missing mandatory MECIR items | Missing highly desirable MECIR items |
| **Part B (PRESS) – Search strategy** | First order problems | Second order problemsExpert searcher suggestions |

**Peer reviewer Guidance re: Recommendations in Editorial Manager**

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| **Recommendation** | **Revision types** |
| Reject | Many required revisions in Part A (conduct items)Many required revisions in Part BHigh likelihood of missed eligible studiesVery low confidence team could address revisions |
| Major revisions | Required revisions in Part A (conduct items)Required revisions in Part BPossibility of missed eligible studies |
| Minor revisions | Required revisions in Part A (reporting items)Suggested revisions in Part BLow likelihood of missed eligible studies |
| Accept | Suggested or no revisions in Part ASuggested or no revisions in Part BLow likelihood of missed eligible studies |

1. Designed specifically for use with updates of intervention reviews of RCTs. Please use with caution when reviewing updates for other review types. [↑](#footnote-ref-1)
2. Please see the guidance below on suggested vs required revisions. [↑](#footnote-ref-2)