
Tools that Support Knowledge Synthesis

Tool	Phase(s) Supported	Key Features	Free or Purchased
Covidence	study, screening, data extraction, appraisal	Covidence supports importing citations to for both screening stages, conflict resolution, data extraction, and appraisal. Covidence can also generate PRISMA flow diagrams.	Available through UNB Libraries.
Distiller SR	study, screening, data extraction, appraisal	Distiller SR supports importing citations to for both screening stages, conflict resolution, data extraction, and appraisal.	Not free
EPPI Reviewer	study, screening, data extraction, appraisal	EPPI-Reviewer supports screening as well as complex coding structures in narrative syntheses that include reconciliation. EPPI-centre also includes EPPI-Mapper to help visually identify gaps in the evidence and demonstrate the strengths and quantity of evidence.	Not free
JBI SUMARI	study, screening, data extraction, appraisal	JBI SUMARI supports protocol writing, importing citations for both stages of screen, JBI appraisals and data extraction. JBI SUMARI can also generate forest plots and other charts.	Not free
PICO Portal	study, screening, data extraction	PICO Portal supports both stages of screening and data extraction. It also offers a dashboard to view progress and generates PRISMA flow diagrams.	Not free
RevMan Web / RevMan 5	protocol, evidence tables, visualizations of appraisal, meta-analysis	RevMan supports protocol and synthesis writing as well as meta-analysis. RevMan also supports summary tables, risk of bias plots, and other types of tables. RevMan is primarily designed to support Cochrane reviews, but may be useful for other review types.	Free
GRADEPro	evidence tables, overall appraisal of certainty	GRADEPro supports the development of evidence table and appraisal of the overall strength of evidence in a review usign GRADE methodology.	Free*
Yale MeSH Analyzer	search strategy	Yale MeSH Analyzer ingests a list of PMIDs from topic-relevant articles to generate a table that includes the applicable MeSH terms as well as author identified keywords.	Free

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Rayyan	study screening	Rayyan supports importing citations for both stages of screening as well as conflict resolution.	Free*
robvis	appraisal visualization	Robvis supports the development of visualizations for several different risk of bias assessment tools.	Free
CitationChaser	hand searching	CitationChaser is an R package that ingests the list of articles that passed the final screening stage and retrieves both references from those articles and references for articles that have cited them.	Free
Deduplicator	deduplication	Deduplicator supports deduplication of the initial search results in a KS. It can also be used to compare two libraries and remove already-screened articles, which can be useful at the hand searching stage of a review.	Free
ExaCT tool	data extraction	ExaCT helps to automate data extraction from full-text RCTs. It also supports increased efficiency in manual data extraction.	Free
litsearchr	search strategy	Litsearchr ingests a list of articles that are likely to be relevant (as from a conservative search of the topic that is not comprehensive), processes them, and identifies common terminology across the articles. This terminology can be used to support the search design phase.	Free
PubMed PubReMiner	search strategy	PubReminer runs your search through PubMed and analyzes the results, providing frequency tables of popular journals, authors, keywords and MeSH terms. The keywords and MeSH terms can then be used in search development.	Free