

# PRISMA-ScR

## ITEM 12: CRITICAL APPRAISAL OF INDIVIDUAL SOURCES OF EVIDENCE

If done, provide a rationale for conducting a critical appraisal of included sources of evidence; describe the methods used and how this information was used in any data synthesis (if appropriate).

Title	1	Title
Abstract	2	Structured summary
Introduction	3	Rationale
	4	Objectives
Methods	5	Protocol and registration
	6	Eligibility criteria
	7	Information sources
	8	Search
	9	Selection of sources of evidence
	10	Data charting process
	11	Data items
	12	<b>Critical appraisal of individual sources of evidence</b>
	13	Synthesis of results
Results	14	Selection of sources of evidence
	15	Characteristics of sources evidence
	16	Critical appraisal within sources of evidence
	17	Results of individual sources of evidence
	18	Synthesis of results
Discussion	19	Summary of evidence
	20	Limitations
	21	Conclusions
Funding	22	Funding

### Tips for reporting this item:

- Perform this step if it is relevant to the scoping review objectives
- Provide an explanation or rationale for how the appraisal aligns with review objectives
- Describe the methodological approach employed, including tools used, process followed, number of reviewers, and reviewer calibration process
- Describe how the findings from this step were used

### Example:

*“...an in-depth assessment of the conduct of the knowledge synthesis approaches underlying the NMA [network meta-analysis] is lacking. As such, we aimed to explore the characteristics and methodological quality of knowledge synthesis approaches of NMAs. We also aimed to assess the statistical methods applied using the Analysis subdomain of the ISPOR checklist.... The quality of the knowledge synthesis methods was appraised using the AMSTAR tool. The AMSTAR tool was created and validated to assess the methodological quality of systematic reviews of RCTs. The tool measures overall quality, where a score of 8 or higher is considered high quality, 4 to 7 is moderate quality, and 0 to 3 is low quality. Information for quality assessment was incorporated into the data extraction form, which was pilot-tested on a random sample of seven included articles that ranged from low to high quality.”*

Zarin W, Veroniki AA, Nincic V, Vafaei A, Reynen E, Motiwala SS. et al. Characteristics and knowledge synthesis approach for 456 network meta-analyses: a scoping review. *BMC Med.* 2017; 15:3 [PMID: 28052774] doi: 10.1186/s12916-016-0764-6

From: Tricco AC, Lillie E, Zarin W, O'Brien KK, Colquhoun H, Levac D, et al. PRISMA Extension for Scoping Reviews (PRISMA-ScR): Checklist and Explanation. *Ann Intern Med.* 2018;169:467–473. doi:10.7326/M18-0850

More resources are available [here](#). You can provide feedback [here](#).

© Copyrighted by St. Michael's Hospital, Unity Health Toronto 2019. The materials are intended for non-commercial use only. No part of the materials may be used for commercial purposes without the written permission of the copyright owner



**St. Michael's**  
Inspired Care.  
Inspiring Science.