

Item 2.7: Risk of bias

Specify the methods used to assess risk of bias in the included studies.

Title	2.1	Title
Open Science	2.2	Funding
	2.3	Registration
Background	2.4	Objectives
Methods	2.5	Eligibility criteria
	2.6	Information sources
	2.7	Risk of bias
	2.8	Measurement properties
Results	2.9	Synthesis methods
	2.10	Included studies
Discussion	2.11	Synthesis of results
	2.12	Limitations of evidence
	2.13	Interpretation



Tips for reporting this item:



- Specify the method(s) used to assess risk of bias in the included studies.
- If the review was conducted following established guidance, methods used to assess risk of bias (item #2.7), rate the results of a measurement property (item #2.8), and synthesize the results (item #2.9) can be summarized into a general statement referring to that guidance (see last example).



Examples:

“Methodological quality of the included studies was evaluated using the COnsensus-based Standards for the selection of health Measurement INstruments (COSMIN) risk of bias checklist.”

Fan Y et al. Patient-reported outcome measures for masticatory function in adults: a systematic review. *BMC Oral Health*, 2021;21:1-17. <https://doi.org/10.1186/s12903-021-01949-7>.

“The Agency for Healthcare Research and Quality (AHRQ) checklists was used to assess the risk of bias for each included study.”

He Q et al. The validity and reliability of quality of life questionnaires in patients with ankylosing spondylitis and non-radiographic axial spondyloarthritis: a systematic review and meta-analysis. *Health Qual. Life Outcomes*, 2022;20(1):116. <https://doi.org/10.1186/s12955-022-02026-5>.

“Data extraction and quality assessment (including a risk of bias evaluation) of the included studies was undertaken [...] in accordance with COSMIN guidelines.”

Kalle J et al. Quality of patient-and proxy-reported outcomes for children with impairment of the upper extremity: a systematic review using the COSMIN methodology. *Journal of Patient-Reported Outcomes*, 2022;6(1):1-17. <https://doi.org/10.1186/s41687-022-00469-4>.

See the [E&E](#) for more examples.

From: Elsmann EBM, Mokkink LB, Terwee CB, Beaton D, Gagnier JJ, Tricco AC, et al. Guideline for reporting systematic reviews of outcome measurement instruments (OMIs): PRISMA-COSMIN for OMIs 2024. *J Clin Epidemiol*, 2024. <https://doi.org/10.1016/j.jclinepi.2024.111422>.

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