

Item 30a: Discussion - Interpretation of results

Provide a general interpretation of the results in the context of other evidence.

Title	1	Title
Abstract	2	See tip sheets for Abstracts
Summary	3	Plain language summary
Open Science	4	Registration and protocol <i>a. Registration information</i> <i>b. Accession of protocol</i> <i>c. Protocol amendments</i>
	5	Support
	6	Competing interests
	7	Availability of data and other materials
Introduction	8	Rationale
	9	Objectives
Methods	10	Followed guidelines
	11	Eligibility criteria
	12	Information sources
	13	Search strategy
	14	Selection process
	15	Data collection process
	16	Data items
	17	Study risk of bias assessment
	18	Measurement properties
	19	Synthesis methods <i>a. Eligibility processes</i> <i>b. Methods for synthesis</i> <i>c. Causes of inconsistency</i> <i>d. Sensitivity analyses</i>
	20	Certainty assessment
Results	21	Formulating recommendations
	22	Study selection <i>a. Results of search and selection</i> <i>b. Excluded reports with reasons</i>
	23	OMI characteristics <i>a. Characteristics of OMIs</i> <i>b. Interpretability aspects of OMIs</i> <i>c. Feasibility aspects of OMIs</i>
	24	Study characteristics
	25	Risk of bias in studies
	26	Results of individual studies
	27	Results of syntheses <i>a. Results of syntheses conducted</i> <i>b. Results of causes of inconsistency</i> <i>c. Results of sensitivity analyses</i>
	28	Certainty of evidence
	29	Recommendations
Discussion	30	Discussion <i>a. Interpretation of results</i> <i>b. Limitations of evidence</i> <i>c. Limitations of review processes</i> <i>d. Implications</i>



Tips for reporting this item:

- Provide a summary of the key findings in relation to the rationale and objective of the review.
- Provide a general interpretation of the results in the context of other evidence.

Examples:

“No single tool reported all nine psychometric properties outlined by the COSMIN methodology. Measurement properties frequently reported included construct validity, structural validity, and internal consistency. Content validity and cross-cultural validity were the most rarely reported. No studies reported measurement error and responsiveness. These mirror findings of a recently published review of motor competence assessments for children and adolescents, which highlighted that construct validity was frequently reported whereas content validity was the least evaluated psychometric property.”

Essiet IA et al. A systematic review of tools designed for teacher proxy-report of children’s physical literacy or constituting elements. *Int. J. Behav. Nutr. Phys. Act.*, 2021;18(1):1-48. <https://doi.org/10.1186/s12966-021-01162-3>.

“Musculoskeletal disorders account for one-third of all reviews on the COSMIN database. At least three reviews have evaluated the measurement properties of PROMs [patient-reported outcome measure] following primary knee replacement. These studies found that many PROM instruments had limited evidence to support their measurement properties, justifying the need for further research. We are not aware of previous reviews that have examined the measurement properties of PROMs following discretionary revision knee replacement. While many of the goals from discretionary revision knee replacement are shared with primary knee replacement, there are important differences in the patient populations and disease processes being treated and the surgical interventions themselves. [...] As such, the evidence for PROMs developed in primary knee replacement cannot necessarily be assumed to be transferable across.”

Sabah SA et al. Patient-reported outcome measures following revision knee replacement: a review of PROM instrument utilisation and measurement properties using the COSMIN checklist. *BMJ Open*, 2021;11(10):e046169. <https://doi.org/10.1136/bmjopen-2020-046169>.

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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