PRISMA - COSMIN OUTCOME Measurement Instruments

Full report

Item 28: Certainty of evidence

# Present assessments of certainty (or confidence) in the body of evidence for each measurement property of an OMI assessed.

| | | |
|---|---|---|
| **Title** | 1 | Title |
| **Abstract** | 2 | See tip sheets for Abstracts |
| **Summary** | 3 | Plain language summary |
| **Open Science** | 4 | Registration and protocol<br>*a. Registration information*<br>*b. Accession of protocol*<br>*c. Protocol amendments* |
| | 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<br>*a. Eligibility processes*<br>*b. Methods for synthesis*<br>*c. Causes of inconsistency*<br>*d. Sensitivity analyses* |
| | 20 | Certainty assessment |
| | 21 | Formulating recommendations |
| **Results** | 22 | Study selection<br>*a. Results of search and selection*<br>*b. Excluded reports with reasons* |
| | 23 | OMI characteristics<br>*a. Characteristics of OMIs*<br>*b. Interpretability aspects of OMIs*<br>*c. Feasibility aspects of OMIs* |
| | 24 | Study characteristics |
| | 25 | Risk of bias in studies |
| | 26 | Results of individual studies |
| | 27 | Results of syntheses<br>*a. Results of syntheses conducted*<br>*b. Results of causes of inconsistency*<br>*c. Results of sensitivity analyses* |
| | **28** | **Certainty of evidence** |
| | 29 | Recommendations |
| **Discussion** | 30 | Discussion<br>*a. Interpretation of results*<br>*b. Limitations of evidence*<br>*c. Limitations of review processes*<br>*d. Implications* |

**Tips for reporting this item:**

- Report the overall level of certainty in the body of evidence (such as high, moderate, low, or very low) for each synthesized result.
- Communicate certainty in the evidence wherever synthesized results are reported (that is, evidence summary tables, results, conclusions). Use a format appropriate for the section of the review.

**Examples:**

*In a review examining the measurement properties of patient-reported outcome measures following knee replacement, the authors presented a table combining the certainty of the evidence with the overall ratings of the measurement property (item #27a). The authors also report the overall rating with the certainty of the evidence in the main text.*

*"The quality of the evidence for measurement properties of the included PROMs [patient-reported outcome measures] is provided in table 7. […] The only measurement property to receive a 'sufficient' rating was reliability for both the KOOS and the LEAS, supported by 'low' and 'moderate' quality evidence, respectively."*

The E&E contains a reproduced version of Table 7.

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.

*In a review examining the measurement properties of patient- and proxy-reported outcomes targeted at children with impairment of the upper limb, the authors presented a table combining the certainty of the evidence with the summarized results and the overall ratings of the measurement property (item #27a).*

The E&E contains an abridged version of this table.

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.

From: Elsman 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.

More resources are available at www.prisma-cosmin.ca.