PRISMA - COSMIN OUTCOME Measurement Instruments

Full report

# Item 16: Data items

**List and define which data were extracted (e.g., characteristics of study populations and OMIs, measurement properties' results, and aspects of feasibility and interpretability). Describe methods used to deal with any missing or unclear information.**

| | | |
|---|---|---|
| **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:

- List and define all variables for which data were sought. It may be sufficient to report a brief summary of information collected if the data collection and dictionary forms are made available (for example, as additional files or deposited in a publicly available repository).
- Describe methods used to deal with any missing or unclear information from the included studies.

## Examples:

*"[…] data collection involved extracting information on the general characteristics of included studies as follows: (a) instrument, author(s) and year of publication; (b) general construct assessed; (c) APLF [Australian Physical Literacy Framework] domain(s) assessed; (d) targeted age group/grades; (e) sample population/country; (f) sample size, mean age, standard deviation; (g) instrument available translation; (h) completion time (minutes or seconds); (i) recall period; (j) tool sub-scale(s)/number of items; (k) response options; (l) psychometric properties evaluated/statistical tests utilized."*

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.

*"The following data were extracted from the included articles: first author, year of publication, study participants, study setting, study design, study location, and the characteristics and psychometric properties of PROMs [patient-reported outcome measures]."*

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.

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.