

Guidance for Reporting Systematic Reviews of Outcome Measurement Instruments (PRISMA-COSMIN for OMIs 2024): Checklist and Explanation

PRISMA: Preferred Reporting Items for Systematic reviews and Meta Analyses

COSMIN: COnsensus-based Standards for the selection of health Measurement INstruments

Summary

PRISMA-COSMIN for OMIs 2024 was developed to improve the reporting of systematic reviews of OMIs to make them more transparent and reproducible. This guideline will facilitate end-users, such as patients, clinicians, and researchers, to select the most appropriate OMI for a specific application. PRISMA-COSMIN for OMIs 2024 consists of two checklists

- full systematic review reports (54 (sub)items),
- systematic review abstracts (13 items),

their respective Explanation & Elaboration documents, and a flow diagram.

Resources

PRISMA-COSMIN for OMIs 2024 is housed on the websites of the EQUATOR network, PRISMA, COSMIN, and www.prisma-cosmin.ca.

To promote its uptake, a social media campaign to increase awareness, a short video explaining the resources available to guide reporting systematic reviews of OMIs, 1-page tip sheets outlining how to report each item, and patient-targeted materials have been created. They can be found here: www.prisma-cosmin.ca.

Reference: Elsmann EB, 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 Pat Rep Outcomes* (2024), <https://doi.org/10.1186/s41687-024-00727-7>.

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What was the problem?

- Guidelines on how to conduct systematic reviews of OMIs exist, but key information is often missing in published reports
- A reporting guideline specifically for systematic reviews of OMIs does not exist

What was the objective?

- To develop a stand-alone PRISMA extension for systematic reviews of OMIs: PRISMA-COSMIN for OMIs 2024

How was the study conducted?

- The development process followed the Enhancing the QUALity and Transparency Of health Research (EQUATOR) guidelines and integrated patient/public involvement
- Items to be included in PRISMA-COSMIN for OMIs 2023 were identified through a literature search and expert consultation
- Consensus for items was sought through a 3-round international Delphi study with 109 panelists and workgroup meeting with 24 participants
- Sixty-five authors of OMI systematic reviews pilot tested the guideline, which was then finalized during a 2-day end-of-project meeting

What did the study find?

- Forty-nine candidate reporting items were generated through a literature search and expert consultation
- After the 3-round Delphi study and workgroup meeting, consensus for inclusion was obtained for 54 items
- Pilot testing validated the results of the Delphi study, and minor changes in wording and structure further improved the guideline

What does the guideline look like?

- PRISMA-COSMIN for OMIs 2024 consists of **two checklists** (full systematic review reports and systematic review abstracts), their respective **Explanation & Elaboration documents** detailing the rationale and examples for each item, and a **flow diagram**
- The full reports checklist contains 54 (sub)items addressing the review's title, abstract, plain language summary, open science, introduction, methods, results, and discussion
- The abstract checklist contains 13-items including items pertaining to the paper's title

Why is this important?

- Complete and transparent reporting of systematic reviews of OMIs is essential to foster reproducibility and allow end-users to select the most appropriate OMI for a specific application