

2023 SUMMER NEWSLETTER

Dear PRISMA-COSMIN advisors and collaborators,

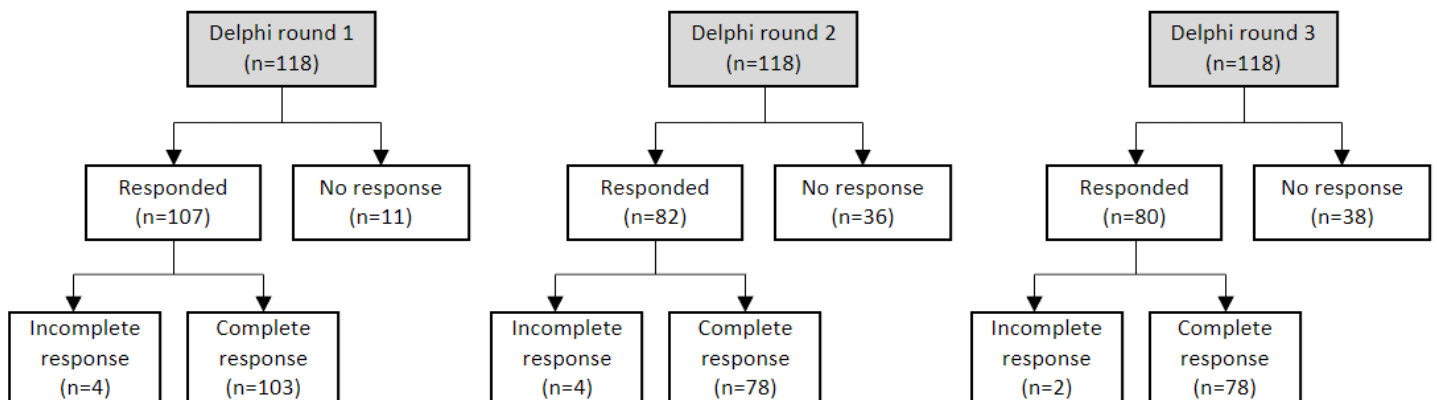
Greetings from Toronto! We hope this newsletter finds you well. As we have reached some important milestones in the project, we'd like to share the team's accomplishments to date, and inform you about upcoming phases of the project. Please feel free to reach out to us if you have any questions or concerns regarding this update. We hope you enjoy reading this newsletter!

The PRISMA-COSMIN for Outcome Measurement Instruments Steering Committee: Ellen Elsmar, Nancy Butcher, Caroline Terwee, Wieneke Mokkink, Maureen Smith, Cathie Hofstetter, Joel Gagnier, Andrea Tricco, Dorcas Beaton, David Moher, and Martin Offringa



Delphi study (April – September 2022)

We have completed a three round Delphi study with panelists from various backgrounds, including members of the technical advisory group and knowledge user group, authors from other reporting guidelines, editors of relevant journals, individuals who co-authored at least three systematic reviews of outcome measurement instruments, and a select group of patients and members of the public. Response rates for each round are outlined below. After 3 rounds, agreement ($\geq 67\%$) on inclusion and wording was reached for 44 reporting items.



Name of the guideline

In Delphi Round 3, panelists were asked for their preference regarding the name of the guideline, to facilitate maximum uptake. A majority (63%) preferred a name in which “COSMIN” was included. Therefore, the name of the guideline will be *PRISMA-COSMIN for Outcome Measurement Instruments*.

Scope of the guideline

The guideline is intended for reporting systematic reviews of outcome measurement instruments in which at least one measurement property of at least one instrument is appraised. These systematic reviews support decision-making on the suitability of an outcome measurement instrument.

Workgroup meeting (November 2022)

Eleven items without consensus for inclusion and wording were discussed at a 3-hour hybrid workgroup meeting, attended by 24 people representing various stakeholder groups. Consensus was reached for inclusion and wording of 10 items, and exclusion of 1 item. At the meeting, we also discussed the writing process of the Explanation and Elaboration (E&E) document.

Reporting items in the two draft checklists

Similar to the original PRISMA 2020 guideline, PRISMA-COSMIN for Outcome Measurement Instruments will consist of one checklist with reporting items for the full report, and one separate checklist with reporting items for the abstract.

Checklist #1: Systematic review full report

Contains 41 (sub)items. Compared to the original PRISMA 2020 checklist, it includes:

- 17 *original* PRISMA 2020 items – exactly the same items as in the PRISMA 2020
- 18 *modified* PRISMA 2020 items – from PRISMA 2020, but content is modified
- 6 *new* items – added to PRISMA-COSMIN for Outcome Measurement Instruments
- 7 original PRISMA 2020 items have been *deleted* – not present in PRISMA-COSMIN for Outcome Measurement Instruments

Checklist #2: Systematic review abstract

Contains 13 items. Compared to the original PRISMA 2020 for Abstracts checklist, it includes:

- 9 *original* PRISMA 2020 items – exactly the same as in PRISMA 2020 for Abstracts
- 3 *modified* PRISMA 2020 items – included in PRISMA 2020 for Abstracts, but content is modified
- 1 *new* item – added to PRISMA-COSMIN for Outcome Measurement Instruments

Drafting the E&E document (December 2022 – March 2023)

Teams of writers and reviewers (22 persons in total) have drafted texts for the Explanation & Elaboration (E&E) documents (one for full reports and one for abstracts). The two E&E documents include the following for each item:

- a. An explanation of why an item is important to report
- b. Essential elements that need to be reported and possibly additional elements
 - i. Templates for data visualization will be included for relevant items
- c. Examples of good reporting from published systematic reviews of outcome measurement instruments



Presenting PRISMA-COSMIN for Outcome Measurement Instruments

Three abstracts have been submitted and accepted for presentation at the ISOQOL conference in Calgary, 18-21 October 2023:

1. An abstract outlining the development process of PRISMA-COSMIN for Outcome Measurement Instruments. This abstract has been accepted as an **oral brief**, and will be presented by Ellen Elsman, the postdoctoral research fellow who leads the project.
2. An abstract detailing the patient and public involvement component of PRISMA-COSMIN for Outcome Measurement Instruments. This abstract has been accepted as an **oral presentation**, and will hopefully be presented by both Ellen Elsman and Maureen Smith. Maureen is a member of the steering committee as a patient/public partner and co-leads the patient/public involvement component of the project. She has applied for a scholarship to attend the conference.
3. An abstract about the methodological quality of recently published systematic reviews of outcome measurement instruments. This abstract has been accepted as a **poster presentation**, and will be presented by Ellen Elsman. This abstract serves as a prelude to PRISMA-COSMIN for Outcome Measurement Instruments, showing the need for reporting guidance to improve the quality of this type of systematic reviews.

Pilot testing the guideline (May – June 2023)

We asked pilot testers to use the draft guideline (i.e., the checklists with reporting items accompanied by the Explanation & Elaboration documents) for their systematic review and give us feedback on how to improve the guideline. In total, 92 individuals signed up to be a pilot tester, and 59 completed the pilot test in full. To identify potential pilot testers, we reached out to:

- People in our network who we knew are conducting a systematic review of outcome measurement instruments
- Corresponding authors of recently published (2022/2023) systematic reviews of outcome measurement instruments
- Contact persons who registered their systematic reviews of outcome measurement instruments in PROSPERO between 2020 and 2023

We are currently incorporating the results of pilot testing into the guideline.

End-of-project meeting (June 2023)

A two-day end-of-project meeting took place on June 28 and 29, 2023. During these days, the steering committee met in Toronto to finalize PRISMA-COSMIN for Outcome Measurement Instruments based on the feedback received from pilot testing. Besides finalizing the guideline, we discussed the following during dedicated 60-90 minute hybrid sessions:

What:

Pilot testing results
Patient/public involvement
Publication strategy
Data visualization in systematic reviews
Knowledge translation
PRISMA-COSMIN endorsement

Who:

Pilot testers (n=5) and patient/public contributors (n=4)
Patient/public contributors (n=4)
Steering committee
Data visualization/systematic review experts (n=7)
Expert in knowledge translation
Editors of key journals (n=8)