Supplement 1. PRIOR checklist

Section and topic	Item #	Checklist item	Location where item is reported
Title			
Title	1a	Identify the report as an overview of reviews in the title.	Page 1
	1b	If the report is an update of a previous overview of reviews, identify it as such in the title.	NA
Abstract			
Abstract	2	Provide a structured summary including, as applicable: background; objectives; data sources; systematic review eligibility criteria, participants, and interventions; number and type of included systematic reviews; systematic review appraisal and synthesis methods; results; strengths and limitations; conclusions and implications of key findings; the funding source(s) for the overview of reviews; the overview of reviews registry name (e.g., PROSPERO) and registration number.	Page 1
Introduction			
Rationale and scope	3a	Describe the clinical rationale for the overview of reviews in the context of what is already known.	Pages 3–4
	3b	Describe why the overview of reviews format is the most appropriate methodology for answering the research question.	Pages 3–4
	3c	Define the scope of the overview of reviews and justify any restrictions to the scope.	Pages 3–4
Objectives	4	Provide a clearly formulated statement of the question(s) being addressed with reference to the clinical (i.e., participants, interventions, comparators, outcomes, time periods, settings) and methodological characteristics (i.e., study design) of the research that will be synthesized.	Pages 3–4
Methods			
Protocol and registration	5a	Indicate if a protocol for the overview of reviews exists. If there is a protocol, indicate where it can be accessed.	Page 4
	5b	If available, provide registration information for the overview of reviews including the registry name and registration number.	Page 4
	5c	Report any deviations from the planned protocol (or state that no deviations occurred), with rationale. Indicate the stage of the overview of reviews at which deviations occurred.	NA
Eligibility criteria	6a	Specify the clinical (i.e., participants, interventions, comparators, outcomes, length of follow up, setting) and methodological characteristics (i.e., study design, years considered, language, publication status) used as criteria for eligibility, providing a rationale. If supplemental primary studies are included, this should be stated with a rationale.	Pages 5–6
	6b	Specify the pre-established definition of a systematic review used as a criterion for inclusion in the overview of reviews.	Pages 5–6
	6c	Specify a plan for how to deal with overlapping systematic reviews.	Pages 7–8
Information sources and search	7a	Describe all information sources in the search for systematic reviews and supplemental primary studies, and the date last searched or consulted. Information sources include: databases with dates of coverage, grey literature sources, contact with content experts, reference lists, and other sources.	Page 6
	7b	Indicate whether the search was peer reviewed, and if so, how and by whom.	Page 6
	7c	Present the full search strategy for all databases and grey literature sources, including any filters and/or limits used, such that it could be repeated. Include the search strategy for each research question.	Supplementary data 2
Study selection	8a	Describe the method and/or software used to track and manage records throughout the selection process.	Page 6
	8b	State the process for selecting systematic reviews and supplemental primary studies. Include how many reviewers were involved and whether any piloting occurred. Indicate the process for resolving discrepancies. If automation (or semi-automation) tools were used, identify the tool and specify how it was used.	Page 6
Data extraction	9a	Describe the method of data extraction from the reports. Include how many reviewers were involved, whether any piloting occurred, and the process for obtaining and confirming incomplete or missing data. Indicate the process for resolving discrepancies. If automation (or semi-automation) tools were used, identify the tool and specify how it was used.	Pages 6–7
	9b	List and define all clinical and methodological characteristics for which data were sought. State the method used to deal with systematic reviews for which an outcome(s) of interest was unavailable.	Pages 6–7
	9c	Describe the method used to collect data on risk of bias in the primary studies included in the systematic reviews. Describe methods used to deal with missing, flawed, or discordant assessments across included systematic reviews. Include how many reviewers were involved and whether any piloting occurred. Indicate the process for resolving discrepancies. Indicate how the appraisals were used in any data synthesis.	Pages 6–7
	9d	State any methods used to deal with overlapping data from primary studies within the included systematic reviews during data extraction. State the method used to illustrate and/or quantify the degree of overlap across included systematic reviews.	Pages 7–8
	9e	State any methods used to deal with discrepant data from primary studies within the included systematic reviews during data extraction.	Page 5
Risk of bias appraisal	10a	Describe methods used for assessing risk of bias or methodological quality of the included systematic reviews Include how many reviewers were involved, whether any piloting occurred, and what tool was used. Indicate the process for resolving discrepancies. If automation (or semi-automation) tools were used, identify the tool and specify how it was used. Indicate how the assessments were used in any data synthesis.	Page 7
	10b	If done, describe the method used to assess risk of bias of the primary studies contained within the included systematic reviews and of supplemental primary studies. Include how many reviewers were involved, what tool was used, and whether any piloting occurred. Indicate the process for resolving discrepancies. If automation (or semi-automation) tools were used, identify the tool and specify how it was used. Indicate how the appraisals were used in any data synthesis.	Pages 7

(Continued on next page)

Supplement 1. Continued

Section and topic	Item #	Checklist item	Location where item is reported
Synthesis	11a	Describe the approach to synthesizing the results from the systematic reviews (and supplemental primary studies, if they are included). Provide a rationale for the chosen synthesis method.	Page 7
	11b	Describe methods used to investigate heterogeneity, indicating which were prespecified.	Page 7
	11c	Describe methods used to assess the robustness of the overview of reviews' findings, indicating which were pre-specified.	NA
Certainty of evidence	12	Describe methods used to assess the certainty of the evidence for each pre-defined outcome. Include how many reviewers were involved and whether any piloting occurred. Indicate the process for resolving discrepancies.	Page 7
Results			
Study selection	13a	Give numbers of records screened, assessed for eligibility, and included in the overview of reviews, with a flow diagram. Provide reasons for excluded records at the full text stage. Provide a justification if supplemental primary studies were included.	Page 8
	13b	Provide a list of excluded records with the main reason for exclusion.	Supplementary data 3
Study characteristics	14	For each included systematic review and supplemental primary study, provide the citation and present the clinical and methodological characteristics for which data were extracted.	Page 10
Primary study overlap	15	Include a visual representation of the extent of overlap of primary studies across systematic reviews and/or quantify the degree of overlap statistically. Indicate the amount of weight the overlapping studies contributed to the analyses.	Page s10–11 Supplementary data 5
Risk of bias	16a	Present data on the overall and domain-specific methodological quality and/or risk of bias of each included systematic review. Include a brief justification for each quality and/or risk of bias rating. If available, present the methodological quality and/or risk of bias rating by outcome for each included systematic review.	Page 10 Supplementary data 4
	16b	To the extent that it is feasible, present data on the overall and domain-specific risk of bias of each primary study contained within the individual systematic reviews and each supplemental primary study. If available, present the risk of bias ratings by outcome for each primary study and supplemental primary study.	Page 10
Synthesis of results	17a	For all outcomes, summarize the evidence (i.e., direction and magnitude of effect with measures of precision) from the included systematic reviews and supplemental primary studies (if included).	Pages 11–12 Tables 1 and 2
	17b	Provide results of analyses used to investigate heterogeneity.	NA
	17c	Provide results of sensitivity analyses used to assess the robustness of the findings.	NA
Certainty of evidence	18	Present results of any assessment of certainty of evidence for each pre-defined, clinically important outcome of interest.	NA
Discussion			
Summary of evidence	19a	Summarize the main findings, including any discrepancy in findings across the included systematic reviews and supplemental primary studies (if included). Include the certainty of evidence for each clinically important outcome.	Page 12
	19b	Provide a general interpretation of the outcomes of interest in the context of other evidence. Briefly discuss implication for future research, practice, and policy.	Pages 12–17
Applicability of the evidence	20	Comment on the applicability of the findings to real world conditions. Consider the relevance of the findings to key groups, e.g., healthcare providers, policymakers, patients.	Pages 12–18
Limitations	21	Discuss limitations, with focus on those at the overview of reviews level and the systematic review level. When supplemental primary studies are included, study-level limitations should also be discussed.	Page 17–18
Other information			
Funding and conflicts of interest	22	At the overview of reviews level, report on: (1) all authors' actual and perceived financial and non-financial conflicts of interest, (2) sources of support for the work and explanations of their role of funders, if any, in the overview or reviews, and (3) whether the study authors had access to primary study data, with an explanation of the nature and extent of access, including whether access is ongoing.	Page 19
Author information	23a	Describe the contributions of individual authors and identify the guarantor of the review.	Page 19
	23b	Provide contact information for the corresponding author.	Page 19
Data availability	24	Report on the availability of data and materials related to the overview of reviews, and where and under which conditions these may be accessed.	Page 19

NA, not available.