

PRISMA Checklist.docx

PRISMA 2020 Main Checklist

Topic	No.	Item	Location where item is reported
TITLE			
Title	1	Identify the report as a systematic review.	Section 1, Page 1
ABSTRACT			
Abstract	2	See the PRISMA 2020 for Abstracts checklist	
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	Section 1, Line 53-109
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	Section 1, Line 110-118
METHODS			
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	Section 2.1
Information sources	6	Specify all databases, registers, websites, organisations, reference lists and other sources searched or consulted to identify studies. Specify the date when each source was last searched or consulted.	Section 2.1

Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	Section 2.1
Selection process	8	Specify the methods used to decide whether a study met the inclusion criteria of the review, including how many reviewers screened each record and each report retrieved, whether they worked independently, and if applicable, details of automation tools used in the process.	Section 2.2
Data collection process	9	Specify the methods used to collect data from reports, including how many reviewers collected data from each report, whether they worked independently, any processes for obtaining or confirming data from study investigators, and if applicable, details of automation tools used in the process.	Section 2.3
Data items	10a	List and define all outcomes for which data were sought. Specify whether all results that were compatible with each outcome domain in each study were sought (e.g. for all measures, time points, analyses), and if not, the methods used to decide which results to collect.	Section 2.3
	10b	List and define all other variables for which data were sought (e.g. participant and intervention characteristics, funding sources). Describe any assumptions made about any missing or unclear information.	Section 2.3
Study risk of bias assessment	11	Specify the methods used to assess risk of bias in the included studies, including details of the tool(s) used, how many reviewers assessed each study and whether they worked independently, and if applicable, details of automation tools used in the	Section 2.3

process.

Effect measures	12	Specify for each outcome the effect measure(s) (e.g. risk ratio, mean difference) used in the synthesis or presentation of results.	N.a.
Synthesis methods	13a	Describe the processes used to decide which studies were eligible for each synthesis (e.g. tabulating the study intervention characteristics and comparing against the planned groups for each synthesis (item 5)).	Section 3
	13b	Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions.	Section 3, line 311-318
	13c	Describe any methods used to tabulate or visually display results of individual studies and syntheses.	Section 3
	13d	Describe any methods used to synthesize results and provide a rationale for the choice(s). If meta-analysis was performed, describe the model(s), method(s) to identify the presence and extent of statistical heterogeneity, and software package(s) used.	Section 3
	13e	Describe any methods used to explore possible causes of heterogeneity among study results (e.g. subgroup analysis, meta-regression).	Section 3
	13f	Describe any sensitivity analyses conducted to assess robustness of the synthesized results.	N.a.
Reporting bias		Describe any methods used to assess risk of bias due to missing results in a synthesis	

assessment 14 (arising from reporting biases).

N.a.

Certainty
assessment 15 Describe any methods used to assess
certainty (or confidence) in the body of
evidence for an outcome.

N.a.

RESULTS

Study selection 16a Describe the results of the search and
selection process, from the number of
records identified in the search to the number
of studies included in the review, ideally using
a flow diagram. Figure 1

16b Cite studies that might appear to meet the
inclusion criteria, but which were excluded,
and explain why they were excluded.

Appendix A,
Section 2.2

Study
characteristics 17 Cite each included study and present its
characteristics.

N.a.

Risk of bias in
studies 18 Present assessments of risk of bias for each
included study.

N.a.

Results of
individual
studies 19 For all outcomes, present, for each study: (a)
summary statistics for each group (where
appropriate) and (b) an effect estimate and its
precision (e.g. confidence/credible interval),
ideally using structured tables or plots. N.a.

Results of
syntheses 20a For each synthesis, briefly summarise the
characteristics and risk of bias among
contributing studies.

Section 3

20b Present results of all statistical syntheses
conducted. If meta-analysis was done,
present for each the summary estimate and
its precision (e.g. confidence/credible
interval) and measures of statistical

Section 3

heterogeneity. If comparing groups, describe the direction of the effect.

20c Present results of all investigations of possible causes of heterogeneity among study results. N.a.

20d Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results. N.a.

Reporting biases 21 Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed. N.a.

Certainty of evidence 22 Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed. Section 3

DISCUSSION

Discussion 23a Provide a general interpretation of the results in the context of other evidence. Section 4

23b Discuss any limitations of the evidence included in the review. Section 4, line 454-461

23c Discuss any limitations of the review processes used. Section 4

23d Discuss implications of the results for practice, policy, and future research. Section 4

OTHER INFORMATION

Registration and protocol 24a Provide registration information for the review, including register name and registration number, or state that the review To be added in final version

was not registered.

24b Indicate where the review protocol can be accessed, or state that a protocol was not prepared. N.a.

24c Describe and explain any amendments to information provided at registration or in the protocol. Section 2

Support 25 Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review. End of paper

Competing interests 26 Declare any competing interests of review authors. End of paper

Availability of data, code and other materials 27 Report which of the following are publicly available and where they can be found: template data collection forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review. In supplementary information

PRISMA Abstract Checklist

Topic	No.	Item	Reported?
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TITLE

Title	1	Identify the report as a systematic review.	Yes
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BACKGROUND

Objectives	2	Provide an explicit statement of the main objective(s) or question(s) the review addresses.	Yes
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METHODS

Specify the inclusion and exclusion criteria for the

Eligibility criteria	3	review.	No
Information sources	4	Specify the information sources (e.g. databases, registers) used to identify studies and the date when each was last searched.	No
Risk of bias	5	Specify the methods used to assess risk of bias in the included studies.	No
Synthesis of results	6	Specify the methods used to present and synthesize results.	Yes

RESULTS

Included studies	7	Give the total number of included studies and participants and summarise relevant characteristics of studies.	No
Synthesis of results	8	Present results for main outcomes, preferably indicating the number of included studies and participants for each. If meta-analysis was done, report the summary estimate and confidence/credible interval. If comparing groups, indicate the direction of the effect (i.e. which group is favoured).	Yes

DISCUSSION

Limitations of evidence	9	Provide a brief summary of the limitations of the evidence included in the review (e.g. study risk of bias, inconsistency and imprecision).	No
Interpretation	10	Provide a general interpretation of the results and important implications.	Yes

OTHER

Funding	11	Specify the primary source of funding for the review.	No
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Registration 12 Provide the register name and registration number. No

From: Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. MetaArXiv. 2020, September 14. DOI: 10.31222/osf.io/v7gm2. For more information, visit: www.prisma-statement.org