

## PRISMA 2020 Checklist

Section/topic	ltem No	Checklist item	Reported on Page Number/Line Number	Reported on Section/Paragraph
TITLE				
Title	1	Identify the report as a systematic review.	4	Title
ABSTRACT				
Abstract	2	See the PRISMA 2020 for Abstracts checklist (Table 2).	3 (60 - 84)	Abstract
INTRODUCTION				
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	85-103	Introduction
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	101-103	Introduction
METHODS				
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	114-118	Eligibility criteria
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.	106-107	Data search
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	Supplementary appendix	supplementary appendix
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.	114-118	eligibility criteria
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.	120-125	Article review
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.	127-128	Statistical analysis
	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.	Table 1	Table 1

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 process.	Newcastle- Ottawa scale 5 (115 – 117)	Methods Data search
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.	Hazard ratio 9 (129 – 131)	Methods Statistical Analysis
Synthesis methods	13a	Describe the processes used to decide which studies were eligible for each synthesis.	5 (118- 122)	Methods Eligibility criteria for articles
	13b	Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions.	NA	NA
	13c	Describe any methods used to tabulate or visually display results of individual studies and syntheses.	Table 1	Table 1
	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.	6 (133 – 138)	Methods Statistical Analysis
	13e	Describe any methods used to explore possible causes of heterogeneity among study results.	NA	NA
	13f	Describe any sensitivity analyses conducted to assess robustness of the synthesized results.	NA	NA
Reporting bias assessment	14	Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases).	NA	NA
Certainty assessment	15	Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome.	6 (131 – 133)	Methods Statistical Analysis
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.	6 (140 – 145)	Results
	16b	Cite studies that met many but not all inclusion criteria ('near-misses') and explain why they were excluded.	NA	NA
Study characteristics	17	Cite each included study and present its characteristics.	Table 1	Table 1
Risk of bias in studies	18	Present assessments of risk of bias for each included study.	Supplementary data	Supplementary data
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.	6-9 (146-231)	Results

Results of 20a			TT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies.	Table 1 and supple data 1	Table 1 and supple data 1
syntheses 20t	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 heterogeneity. If comparing groups, describe the direction of the effect.	Figure 2;221-227	Results
200	Present results of all investigations of possible causes of heterogeneity among study results.	NA	NA
200	Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results.	NA	NA
Reporting biases 21	Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed.	Supple data 2	Supple data 2
Certainty of 22 evidence	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed.	NA	NA
DISCUSSION	·		
Discussion 23a	Provide a general interpretation of the results in the context of other evidence.	228-259	Discussion
231	Discuss any limitations of the evidence included in the review.	260-264	Discussion
230	Discuss any limitations of the review processes used.	260-264	Discussion
230	Discuss implications of the results for practice, policy, and future research.	260-264	Discussion
OTHER INFORMATION			
Registration and 24a protocol	Provide registration information for the review, including register name and registration number, or state that the review was not registered.	NA	NA
24	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	Not prepared	NA
240	Describe and explain any amendments to information provided at registration or in the protocol.	NA	NA
Support 25	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	35	Title page
Competing 26 interests	Declare any competing interests of review authors.	273	Title page
Availability of data, 27 code and other materials	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.	Studies and search criteria	Studies and search criter

## Table 2 PRISMA 2020 for Abstracts checklist

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TITLE				
Title	1	Identify the report as a systematic review.	4	Title
BACKGROUND				
Objectives	2	Provide an explicit statement of the main objective(s) or question(s) the review addresses.	66	Methodology
METHODS				
Eligibility criteria	3	Specify the inclusion and exclusion criteria for the review.	NA	NA
Information sources	4	Specify the information sources (e.g. databases, registers) used to identify studies and the date when each was last searched.	69-70	Results
Risk of bias	5	Specify the methods used to assess risk of bias in the included studies.	68	methodology
Synthesis of results	6	Specify the methods used to present and synthesize results.	65-68	Methodology
RESULTS			•	
Included studies	7	Give the total number of included studies and participants and summarise relevant characteristics of studies.	70	Results
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).	71-78	Results
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).	80-81	Discussion
Interpretation	10	Provide a general interpretation of the results and important implications.	NA	NA
OTHER	•	·	-	
Funding	11	Specify the primary source of funding for the review.	No funding source was used	NA
Registration	12	Provide the register name and registration number.	NA	NA

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\*As the checklist was provided upon initial submission, the page number/line number reported may be changed due to copyediting and may not be referable in the published version. In this case, the section/paragraph may be used as an alternative reference.