PRISMA 2020 checklist

Section/topic	Item No	Checklist item	Reported on Page Number/Line Number	Reported in Section/Paragraph
TITLE				
Title	1	Identify the report as a systematic review.	Page 1/Line 2-3	Title page
ABSTRACT				
Abstract	2	See the PRISMA 2020 for Abstracts checklist.	See Table S2 below	Abstract
INTRODUCTION				
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	Page 6/Line 79-81	Introduction
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	Page 7/Line 93-95	Introduction
METHODS				
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	Page 7/Line 103-108	Methods
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.	Page 8/Line 111-113	Methods
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	Page 8/Line 113-119	Methods
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.	Page 8/Line 122-126	Methods
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.	Page 8-9/Line 129-132	Methods
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.	Page 9-10/Line 145-160	Results
	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 1-4	Another word file with tables
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.	Not applicable	Risk assumption could not be available due to heterogeneity in study outcomes and their reporting of the risk.
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.	Not applicable	Because the risk was not assessed, the effect size could not be measured.
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)).	Not applicable	Synthesis could not be available due to heterogeneity in study outcomes
	13b	Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions.	Not applicable	Synthesis of data could not be performed
	13c	Describe any methods used to tabulate or visually display results of individual studies and syntheses.	Not applicable	Synthesis of data could not be performed
	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	Not applicable	Synthesis of data could not be performed

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		software package(s) used.		
	13e	Describe any methods used to explore possible causes of heterogeneity among study results (e.g. subgroup analysis, meta-regression).	Not applicable	No statistical analysis was performed.
	13f	Describe any sensitivity analyses conducted to assess robustness of the synthesized results.	Not applicable	A quantitative meta-analysis was judged inappropriate because risk assumption could not be performed.
Reporting bias assessment	14	Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases).	Not applicable	There was no missing value.
Certainty assessment	15	Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome.	Not applicable	No formal assessment of study quality or certainty has been generated. This is because the results of each study were so different.
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	Another word file with a flow diagram
	16b	Cite studies that might appear to meet the inclusion criteria, but which were excluded, and explain why they were excluded.	Supplemental file 3	Another word file with supplemental data
Study characteristics	17	Cite each included study and present its characteristics.	Page 9-10/Line 150-160	Results
Risk of bias in studies	18	Present assessments of risk of bias for each included study.	Not applicable	Risk assumption could not be available due to heterogeneity in study outcomes and their reporting of the risk.
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.	Not applicable	Because the risk was not assessed, the effect size could not be measured
Results of syntheses	20a	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies.	Not applicable	Synthesis of data was not performed.
	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 heterogeneity. If comparing groups, describe the direction of the effect.	Not applicable	No statistical analysis was performed.
	20c	Present results of all investigations of possible causes of heterogeneity among study results.	Not applicable	Synthesis of data was not performed.
	20d	Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results.	Not applicable	Synthesis of data was not performed.
Reporting biases	21	Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed.	Not applicable	There was no missing value.
Certainty of evidence	22	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed.	Not applicable	No formal assessment of study quality or certainty has been generated. This is because the results of each

Section/topic	Item No	Checklist item	Reported on Page Number/Line Number	Reported in Section/Paragraph
				study were so different.
DISCUSSION				
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	Page 13/Line 230-234	Discussion
	23b	Discuss any limitations of the evidence included in the review.	Page 17/Line 318-323	Discussion
	23c	Discuss any limitations of the review processes used.	Page 16/Line 318-323	Discussion
	23d	Discuss implications of the results for practice, policy, and future research.	Page 17/Line 330-332	Conclusion
OTHER INFORMATION				
Registration and protocol	24a	Provide registration information for the review, including register name and registration number, or state that the review was not registered.	Not applicable	No protocol was registered
	24b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	Not applicable	No protocol was registered
	24c	Describe and explain any amendments to information provided at registration or in the protocol.	Not applicable	No protocol was registered
Support	25	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	Page 18/Line 347-351	Footnote
Competing interests	26	Declare any competing interests of review authors.	Page 18/Line 344-345	Footnote
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.	Not applicable	All data is already shown in the tables

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. BMJ 2021;372:n71. doi: 10.1136/bmj.n71

PRISMA 2020 for abstracts checklist

Section and Topic	Item #	Checklist item	Reported on Page Nuber/Line Number	Reported on Section/Paragraph
TITLE				
Title	1	Identify the report as a systematic review.	Page 1/Line 2-3	Title page
BACKGROUND				
Objectives	2	Provide an explicit statement of the main objective(s) or question(s) the review addresses.	Page 4/Line 38-40	Abstract
METHODS				
Eligibility criteria	3	Specify the inclusion and exclusion criteria for the review.	Page 4/Line 44-45	Abstract
Information sources	4	Specify the information sources (e.g. databases, registers) used to identify studies and the date when each was last searched.	Page 4/Line 43-44	Abstract
Risk of bias	5	Specify the methods used to assess risk of bias in the included studies.	Not applicable	Risk assumption could not be available due to heterogeneity in study outcomes and their reporting of the risk.
Synthesis of results	6	Specify the methods used to present and synthesise results.	Page 4/Line 45-46	Abstract
RESULTS				
Included studies	7	Give the total number of included studies and participants and summarise relevant characteristics of studies.	Page 4/Line 48-49	Abstract
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).	Page 4/Line 48-55	Abstract
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).	Page 17/Line 321-326	Discussion
Interpretation	10	Provide a general interpretation of the results and important implications.	Page 4-5/Line 57-60	Abstract
OTHER				
Funding	11	Specify the primary source of funding for the review.	Page 19/Line 352-356	Funding
Registration	12	Provide the register name and registration number.	Not applicable	No protocol was registered.

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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.