

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.	Page1/Li ne2–3	Title
ABSTRACT				
Abstract	2	See the PRISMA 2020 for Abstracts checklist (Table 2).	Page1-2/Li ne29-56	Abstract
INTRODUCTION				
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	Page2-4/Li ne61-111	Introduction/Paragraph1-2
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	Page4/Li ne112–120	Introduction/Paragraph 3
METHODS	·		·	
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	Page4–5/Li ne130–139	Met hods/Par agr aph2-3
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.	Page4/Li ne124–127	Net hods/Par agr aph1
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	Page4/Li ne124–127	Met hods/Par agr aph1
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.	Page5/Li ne142–158	Nethods/Paragraph4–5
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.	Page5/Li ne142-158	Nethods/Paragraph4–5
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.	Page5/Li ne161–165	Net hods/Par agr aph6
	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.	Page5/Li ne161–165	Met hods/Par agr aph6

assessmentImage: Specify in any reviewers assessed each study and whether they worked independently, and if applicable, details of automation tools used in the process.Page6/Li ne169–182Met hods/FEffect measures12Specify for each outcome the effect measure(s) (e.g. risk ratio, mean difference) used in the synthesis or presentation of results.Page6/Li ne169–182Met hods/FSynthesis methods13aDescribe the processes used to decide which studies were eligible for each synthesis.Page6/Li ne169–182Met hods/F13bDescribe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions.Page6/Li ne169–182Met hods/F13cDescribe any methods used to tabulate or visually display results of individual studies and syntheses.Page6/Li ne169–182Met hods/F	'Par agr aph7 'Par agr aph7 'Par agr aph7 'Par agr aph7 'Par agr aph7 'Par agr aph7
Ended wide 12 Operation of results. Synthesis methods 13a Describe the processes used to decide which studies were eligible for each synthesis. Page6/Li ne169–182 Methods/F 13b Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions. Page6/Li ne169–182 Methods/F 13c Describe any methods used to tabulate or visually display results of individual studies and syntheses. Page6/Li ne169–182 Methods/F 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. Methods/F	(Par agr aph7 (Par agr aph7 (Par agr aph7 (Par agr aph7
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performed, describe the model(s), method(s) to identify the presence and extent of statistical heterogeneity, and software package(s) used.	
13e Describe any methods used to explore possible causes of heterogeneity among study results. Page6/Li ne170–172 Methods/F	'Par agr aph7
13f Describe any sensitivity analyses conducted to assess robustness of the synthesized results. Page6/Li ne181–182 Met hods/F	[/] Par agr aph7
Reporting bias assessment 14 Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases). Page6/Li ne172–175 Methods/F	'Par agr aph7
Certainty assessment 15 Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome. Page6/Li ne178–181 Methods/F	'Par agr aph7
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. Page6/Li ne186–191 Page6/Li ne186–191 Pesult ts/Fure1	′Paragraph1/Fig
16b Cite studies that met many but not all inclusion criteria ('near-misses') and explain why they were excluded. Page6/Li ne186–191 Pesul ts/F	'Par agr aph1
Study characteristics 17 Cite each included study and present its characteristics. Page6/Li ne191 Pesul ts/F le1	(Paragraph1/Tab
Risk of bias in studies 18 Present assessments of risk of bias for each included study. Page6–7/Li ne195–203 Pesul ts/F i gur e2–3/	(Paragraph2–3/F 3/Tbal e2
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. Page6-8/Li ne208-242 Pesult s/F i gur e4-7	/Paragraph4–7/F 7

Results of syntheses	20a	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies.	Page8/Li ne245–248	Results/Paragraph8
	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.	Page68/Li ne208242	Results/Paragraph4-7/ igure4-7
	20c	Present results of all investigations of possible causes of heterogeneity among study results.	Page8/Li ne245-248	Results/Paragraph8
	20d	Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results.	N/A	N∕A
Reporting biases	21	Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed.	Page8/Li ne245–248	Results/Paragraph8/Fig ure8
Certainty of evidence	22	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed.	Page68/Li ne208242	Results/Paragraph4–7/F igure4–7
DISCUSSION				·
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	Page8–9/Li ne251–282	Discussion/Paragraph 1-3
	23b	Discuss any limitations of the evidence included in the review.	Page9/Li ne283–288	Discussion/Paragraph4
	23c	Discuss any limitations of the review processes used.	Page9/Li ne283–288	Di scussi on/Paragraph4
	23d	Discuss implications of the results for practice, policy, and future research.	Page9–10/Li ne292–302	Concl usi ons/Paragraph
OTHER INFORMAT	ION			·
Registration and protocol	24a	Provide registration information for the review, including register name and registration number, or state that the review was not registered.	N/A	N/A
	24b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	N/A	N/A
	24c	Describe and explain any amendments to information provided at registration or in the protocol.	N/A	N/A
Support	25	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	Page10/Li ne306	Fundi ng
Competing interests	26	Declare any competing interests of review authors.	Page10/Li ne311-313	Conflicts of Interest
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.	N∕A	N∕A

Table 2 PRISMA 2020 for Abstracts 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.	Page1/Li ne2–3	Title
BACKGROUND	·			
Objectives	2	Provide an explicit statement of the main objective(s) or question(s) the review addresses.	Page1/Li ne29–30	Abstract/Background
METHODS				
Eligibility criteria	3	Specify the inclusion and exclusion criteria for the review.	Page1–2/Li ne31–34	Abstract/Methods
Information sources	4	Specify the information sources (e.g. databases, registers) used to identify studies and the date when each was last searched.	Page1/Li ne31	Abstract/Methods
Risk of bias	5	Specify the methods used to assess risk of bias in the included studies.	Page2/Li ne34–37	Abstract/Methods
Synthesis of results	6	Specify the methods used to present and synthesize results.	Page2/Li ne37–39	Abstract/Methods
RESULTS				
Included studies	7	Give the total number of included studies and participants and summarise relevant characteristics of studies.	Page2/Li ne40	Abstract/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).	Page2/Li ne40-48	Abstract/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).	Page2/Li ne49–53	Abstract/Discussion
Interpretation	10	Provide a general interpretation of the results and important implications.	Page2/Li ne49–53	Abstract/Discussion
OTHER				1
Funding	11	Specify the primary source of funding for the review.	Page10/Li ne306	Fundi ng
Registration	12	Provide the register name and registration number.	N/A	N/A

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