Reporting checklist for systematic review (with or without a meta-analysis).

Based on the PRISMA guidelines.

Instructions to authors

Complete this checklist by entering the page numbers from your manuscript where readers will find each of the items listed below.

Your article may not currently address all the items on the checklist. Please modify your text to include the missing information. If you are certain that an item does not apply, please write "n/a" and provide a short explanation.

Upload your completed checklist as an extra file when you submit to a journal.

In your methods section, say that you used the PRISMAreporting guidelines, and cite them as:

Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, Shamseer L, Tetzlaff JM, Akl EA, Brennan SE, Chou R, Glanville J, Grimshaw JM, Hróbjartsson A, Lalu MM, Li T, Loder EW, Mayo-Wilson E, McDonald S, McGuinness LA, Stewart LA, Thomas J, Tricco AC, Welch VA, Whiting P, Moher D. The PRISMA York statement: An updated guideline for reporting systematic reviews

			Page
		Reporting Item	Number
Title			
Title	<u>#1</u>	Identify the report as a systematic review	
Abstract			
Abstract	<u>#۲</u>	Report an abstract addressing each item in the PRISMA	
Introduction			
Background/rationale	<u>#٣</u>	Describe the rationale for the review in the context of existing knowledge	
Objectives	<u>#£</u>	Provide an explicit statement of the objective(s) or question(s) the review addresses	

Methods

Eligibility criteria	<u>#0</u>	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses
Information sources	<u>#٦</u>	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
Search strategy	<u>#Y</u>	Present the full search strategies for all databases, registers, and websites, including any filters and limits used
Selection process	<u>#</u> ^	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
Data collection process	<u>#9</u>	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
Data items	#\ <u>*a</u>	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 (for example, for all measures, time points, analyses), and, if not, the methods used to decide which results to collect
Data items	#\•b	List and define all other variables for which data were sought (such as participant and intervention characteristics, funding sources). Describe any assumptions made about any missing or unclear information
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
Effect measures	<u>#17</u>	Specify for each outcome the effect measure(s) (such as risk ratio, mean difference) used in the synthesis or

presentation of results

Synthesis methods	#1٣ <u>a</u>	Describe the processes used to decide which studies were eligible for each synthesis (such as tabulating the study intervention characteristics and comparing against the planned groups for each synthesis (item #°))
Synthesis methods	<u>#17b</u>	Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics or data conversions
Synthesis methods	#17c	Describe any methods used to tabulate or visually display results of individual studies and syntheses
Synthesis methods	#\\d\d	Describe any methods used to synthesise 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
Synthesis methods	<u>#1٣e</u>	Describe any methods used to explore possible causes of heterogeneity among study results (such as subgroup analysis, meta-regression)
Synthesis methods	#\ <u>\f</u>	Describe any sensitivity analyses conducted to assess robustness of the synthesised results
Reporting bias assessment	<u>#1 £</u>	Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases)
Certainty assessment	<u>#10</u>	Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome
Results		
Study selection	#17 <u>a</u>	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 (http://www.prisma-statement.org/PRISMAStatement/FlowDiagram)
Study selection	<u>#17b</u>	Cite studies that might appear to meet the inclusion criteria, but which were excluded, and explain why they were excluded

Study characteristics	<u>#1Y</u>	Cite each included study and present its characteristics
Risk of bias in studies	<u>#11</u>	Present assessments of risk of bias for each included study
Results of individual studies	<u>#19</u>	For all outcomes, present for each study (a) summary statistics for each group (where appropriate) and (b) an effect estimate and its precision (such as confidence/credible interval), ideally using structured tables or plots
Results of syntheses	<u>#</u> Υ• <u>a</u>	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies
Results of syntheses	# Y • b	Present results of all statistical syntheses conducted. If meta-analysis was done, present for each the summary estimate and its precision (such as confidence/credible interval) and measures of statistical heterogeneity. If comparing groups, describe the direction of the effect
Results of syntheses	<u>#۲ · c</u>	Present results of all investigations of possible causes of heterogeneity among study results
Results of syntheses	<u>#۲•d</u>	Present results of all sensitivity analyses conducted to assess the robustness of the synthesised results
Risk of reporting biases in syntheses	<u>#۲1</u>	Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed
Certainty of evidence	<u>#۲۲</u>	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed
Discussion		
Results in context	<u>#۲٣a</u>	Provide a general interpretation of the results in the context of other evidence
Limitations of included studies	<u>#۲۳b</u>	Discuss any limitations of the evidence included in the review
Limitations of the review methods	<u>#۲٣c</u>	Discuss any limitations of the review processes used
Implications	#۲٣ <u>d</u>	Discuss implications of the results for practice, policy, and future research

Other information

<u>#Υξα</u>	Provide registration information for the review, including register name and registration number, or state that the review was not registered
#Y £b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared
#Y £ c	Describe and explain any amendments to information provided at registration or in the protocol
<u>#۲0</u>	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review
<u>#۲٦</u>	Declare any competing interests of review authors
# <u>YV</u>	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
	#Y & b #Y & c #Y 0

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