

## PRISMA 2020 Checklist

Section and Topic	ltem #	Checklist item	Location where item is reported
TITLE	T		
Title	1	Identify the report as a systematic review.	Top Page
ABSTRACT	1		
Abstract	2	See the PRISMA 2020 for Abstracts checklist.	Abstract
INTRODUCTION	1		
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	Background
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	Background
Section and tropic the section and tropic See the full colspan="2">See t			
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	Methods
	6		Methods
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	Methods
Selection process	8		Methods
	9	independently, any processes for obtaining or confirming data from study investigators, and if applicable, details of automation tools used in the	Methods
Data items	10a		Methods
	10b		Methods
-	11		Methods
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.	Methods
-	13a		Methods
	13b		Methods
	13c	Describe any methods used to tabulate or visually display results of individual studies and syntheses.	Methods
	13d		Supplementary
	13e	Describe any methods used to explore possible causes of heterogeneity among study results (e.g. subgroup analysis, meta-regression).	Supplementary
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Certainty assessment	15	Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome.	Supplementary



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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.	Results		
Study characteristics	17	Cite each included study and present its characteristics.	Tables 2-3		
Risk of bias in studies	18	Present assessments of risk of bias for each included study.	Results		
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.	Results		
Results of	20a	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies.	Results		
syntheses	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.	Results		
	20c	Present results of all investigations of possible causes of heterogeneity among study results.	Results		
	20d	Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results.	Results		
Reporting biases	21	Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed.	Results		
Certainty of evidence	22	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed.	Results		
DISCUSSION					
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	Discussion		
	23b	Discuss any limitations of the evidence included in the review.	Discussion		
	23c	Discuss any limitations of the review processes used.	Discussion		
	23d	Discuss implications of the results for practice, policy, and future research.	Conclusion		
OTHER INFORMA	TION				
Registration and protocol	24a	Provide registration information for the review, including register name and registration number, or state that the review was not registered.	Methods		
	24b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	Methods		
	24c	Describe and explain any amendments to information provided at registration or in the protocol.			
Support	25	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	Funding		
Competing interests	26	Declare any competing interests of review authors.	Competing interests		
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.	Supplementary		

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