PRISMA 2009 Checklist

Section/topic	#	Checklist item
TITLE		
Title	1	Identify the report as a systematic review, meta-analysis, or both.
ABSTRACT		
Structured summary	2	Provide a structured summary including, as applicable: background; objectives; data sou participants, and interventions; study appraisal and synthesis methods; results; limitation implications of key findings; systematic review registration number.
INTRODUCTION		
Rationale	3	Describe the rationale for the review in the context of what is already known.
Objectives	4	Provide an explicit statement of questions being addressed with reference to participant outcomes, and study design (PICOS).
METHODS		
Protocol and registration	5	Indicate if a review protocol exists, if and where it can be accessed (e.g., Web address), registration information including registration number.
Eligibility criteria	6	Specify study characteristics (e.g., PICOS, length of follow-up) and report characteristics language, publication status) used as criteria for eligibility, giving rationale.
Information sources	7	Describe all information sources (e.g., databases with dates of coverage, contact with st additional studies) in the search and date last searched.
Search	8	Present full electronic search strategy for at least one database, including any limits use repeated.
Study selection	9	State the process for selecting studies (i.e., screening, eligibility, included in systematic included in the meta-analysis).
Data collection process	10	Describe method of data extraction from reports (e.g., piloted forms, independently, in d for obtaining and confirming data from investigators.
Data items	11	List and define all variables for which data were sought (e.g., PICOS, funding sources) a simplifications made.
Risk of bias in individual studies	12	Describe methods used for assessing risk of bias of individual studies (including specific done at the study or outcome level), and how this information is to be used in any data s
Summary measures	13	State the principal summary measures (e.g., risk ratio, difference in means).
Synthesis of results	14	Describe the methods of handling data and combining results of studies, if done, includi (e.g., I^2) for each meta-analysis.

Section/topic	#	Checklist item
Risk of bias across studies	15	Specify any assessment of risk of bias that may affect the cumulative evidence (e.g., pu reporting within studies).
Additional analyses	16	Describe methods of additional analyses (e.g., sensitivity or subgroup analyses, meta-re which were pre-specified.
RESULTS		

Study selection	17	Give numbers of studies screened, assessed for eligibility, and included in the review, w each stage, ideally with a flow diagram.
Study characteristics	18	For each study, present characteristics for which data were extracted (e.g., study size, F provide the citations.
Risk of bias within studies	19	Present data on risk of bias of each study and, if available, any outcome level assessme
Results of individual studies	20	For all outcomes considered (benefits or harms), present, for each study: (a) simple sum intervention group (b) effect estimates and confidence intervals, ideally with a forest plot
Synthesis of results	21	Present results of each meta-analysis done, including confidence intervals and measure
Risk of bias across studies	22	Present results of any assessment of risk of bias across studies (see Item 15).
Additional analysis	23	Give results of additional analyses, if done (e.g., sensitivity or subgroup analyses, meta-
DISCUSSION		
Summary of evidence	24	Summarize the main findings including the strength of evidence for each main outcome; key groups (e.g., healthcare providers, users, and policy makers).
Limitations	25	Discuss limitations at study and outcome level (e.g., risk of bias), and at review-level (e. identified research, reporting bias).
Conclusions	26	Provide a general interpretation of the results in the context of other evidence, and impli
FUNDING		
Funding	27	Describe sources of funding for the systematic review and other support (e.g., supply of systematic review.

From: Moher D, Liberati A, Tetzlaff J, Altman DG, The PRISMA Group (2009). Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement. PLoS Med 6(7): e1000097.doi:10.1371/journal.pmed1000097

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