| Section/topic | Item No | Checklist item | Reported on Page Number/Line Number | Reported on Section/Paragraph |
|---------------------------|------------|---|---|----------------------------------|
| TITLE | • | | | |
| Title | 1 | Identify the report as a systematic review, meta-analysis, or both. | page 1 / line 1 to 2 | Title /Paragraph 1 |
| ABSTRACT | | | | |
| Structured summary | 2 | Provide a structured summary including, as applicable: background; objectives; data sources; study eligibility criteria, participants, and interventions; study appraisal and synthesis methods; results; limitations; conclusions and implications of key findings; systematic review registration number. | page 2/ line 28 to 49 | Abstract/Paragraph 1 to 4 |
| INTRODUCTION | | | | |
| Rationale | 3 | Describe the rationale for the review in the context of what is already known. | page 3/ line 52 to 87 | Introduction/Paragraph 1 |
| Objectives | 4 | Provide an explicit statement of questions being addressed with reference to participants, interventions, comparisons, outcomes, and study design (PICOS). | page 4/ line 87 to 91 | Introduction/Paragraph 1 to 2 |
| METHODS | | | | |
| Protocol and registration | 5 | Indicate if a review protocol exists, if and where it can be accessed (e.g., Web address), and, if available, provide registration information including registration number. | page 4/ line 92 to 95 | Methods/Paragraph 1 |
| Eligibility criteria | 6 | Specify study characteristics (e.g., PICOS, length of follow-up) and report characteristics (e.g., years considered, language, publication status) used as criteria for eligibility, giving rationale. | page 5/line 103 to 123 | Methods/Paragraph 2 to 3 |
| Information sources | 7 | Describe all information sources (e.g., databases with dates of coverage, contact with study authors to identify additional studies) in the search and date last searched. | page 4 / line 95 to 102 | Methods/Paragraph 1 |
| Search | 8 | Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated. | page 4/ line 95 to 102 | Methods/Paragraph 1 |
| Study selection | 9 | State the process for selecting studies (i.e., screening, eligibility, included in systematic review, and, if applicable, included in the meta-analysis). | page 4/ line 95 to 102 | Methods/Paragraph 1 |
| Data collection process | 10 | Describe method of data extraction from reports (e.g., piloted forms, independently, in duplicate) and any processes for obtaining and confirming data from investigators. | page 5/ line 124 to 130 | Methods/Paragraph 4 |
| Data items | 11 | List and define all variables for which data were sought (e.g., PICOS, funding sources) and any assumptions and simplifications made. | page 5/ line 125 to 130 | Methods/Paragraph 4 |

| Risk of bias in individual studies | 12 | Describe methods used for assessing risk of bias of individual studies (including specification of whether this was done at the study or outcome level), and how this information is to be used in any data synthesis. | page 6/ line 144 to 148 | Methods/Paragraph 7 |
|------------------------------------|----------|--|---------------------------|--------------------------|
| Summary measures | 13 | State the principal summary measures (e.g., risk ratio, difference in means). | page 5/ line 132 to 143 | Methods/Paragraph 6 |
| Synthesis of results | 14 | Describe the methods of handling data and combining results of studies, if done, including measures of consistency (e.g., I²) for each meta-analysis. | page 5,6/ line 132 to 143 | Methods/Paragraph 6 to 7 |
| Risk of bias across studies | 15 | Specify any assessment of risk of bias that may affect the cumulative evidence (e.g., publication bias, selective reporting within studies). | page 6/ line 144 to 148 | Methods/Paragraph 7 |
| Additional analyses | 16 | Describe methods of additional analyses (e.g., sensitivity or subgroup analyses, meta-regression), if done, indicating which were pre-specified. | page 6/ line 132 to 143 | Methods/Paragraph 6 |
| RESULTS | | | | |
| Study selection | 17 | Give numbers of studies screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally with a flow diagram. | page 6/ line 152 to 154 | Result/Paragraph 1 |
| Study characteristics | 18 | For each study, present characteristics for which data were extracted (e.g., study size, PICOS, follow-up period) and provide the citations. | page 6/ line 155 to 173 | Result/Paragraph 2 |
| Risk of bias within studies | 19 | Present data on risk of bias of each study and, if available, any outcome level assessment (see item 12). | page 8/ line 222 to 229 | Result/Paragraph 9 |
| Results of individual studies | 20 | For all outcomes considered (benefits or harms), present, for each study: (a) simple summary data for each intervention group (b) effect estimates and confidence intervals, ideally with a forest plot. | page 8/ line 202 | Result/Paragraph 4 to 8 |
| Synthesis of results | 21 | Present results of each meta-analysis done, including confidence intervals and measures of consistency. | page 7/ line 174 | Result/Paragraph 4 to 8 |
| Risk of bias across studies | 22 | Present results of any assessment of risk of bias across studies (see Item 15). | page 8/ line 222 to 229 | Result/Paragraph 9 |
| Additional analysis | 23 | Give results of additional analyses, if done (e.g., sensitivity or subgroup analyses, meta-regression [see Item 16]). | page 8/ line 202 | Result/Paragraph 4 to 8 |
| DISCUSSION | | | | |
| Summary of evidence | 24 | Summarize the main findings including the strength of evidence for each main outcome; consider their relevance to key groups (e.g., healthcare providers, users, and policy makers). | page 9/ line 232 | Discussion/Paragraph 1 |
| Limitations | 25 | Discuss limitations at study and outcome level (e.g., risk of bias), and at review-level (e.g., incomplete retrieval of identified research, reporting bias). | page 11/ line 293 to 301 | Discussion/Paragraph 8 |
| Conclusions | 26 | Provide a general interpretation of the results in the context of other evidence, and implications for future research. | page 11/ line 302 to 304 | Discussion/Paragraph 9 |
| | <u> </u> | I | I . | <u> </u> |

| FUNDING | | | | | | | |
|---------|----|---|-------------------|---------------------|--|--|--|
| Funding | 27 | Describe sources of funding for the systematic review and other support (e.g., supply of data); role of funders for the | page 12/ line 308 | Funding/Paragraph 1 | | | |
| | | 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

For more information, visit: www.prisma-statement.org.

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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.