## Appendix 1. PRISMA Checklist

<table>
<thead>
<tr>
<th>Section/topic</th>
<th>#</th>
<th>Checklist item</th>
<th>Reported on page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITLE</td>
<td>1</td>
<td>Identify the report as a systematic review, meta-analysis, or both.</td>
<td></td>
</tr>
<tr>
<td>ABSTRACT</td>
<td>2</td>
<td>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.</td>
<td>3</td>
</tr>
<tr>
<td>INTRODUCTION</td>
<td>3</td>
<td>Describe the rationale for the review in the context of what is already known.</td>
<td>5,6</td>
</tr>
<tr>
<td>Objectives</td>
<td>4</td>
<td>Provide an explicit statement of questions being addressed with reference to participants, interventions, comparisons, outcomes, and study design (PICOS).</td>
<td>6</td>
</tr>
<tr>
<td>METHODS</td>
<td>5</td>
<td>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.</td>
<td>6</td>
</tr>
<tr>
<td>Protocol and registration</td>
<td>6</td>
<td>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.</td>
<td>7,8</td>
</tr>
<tr>
<td>Eligibility criteria</td>
<td>7</td>
<td>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.</td>
<td>8</td>
</tr>
<tr>
<td>Information sources</td>
<td>8</td>
<td>Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated.</td>
<td>8 and Table 2</td>
</tr>
<tr>
<td>Search</td>
<td>9</td>
<td>State the process for selecting studies (i.e., screening, eligibility, included in systematic review, and, if applicable, included in the meta-analysis).</td>
<td>8</td>
</tr>
<tr>
<td>Study selection</td>
<td>10</td>
<td>Describe method of data extraction from reports (e.g., piloted forms, independently, in duplicate) and any processes for obtaining and confirming data from investigators.</td>
<td>8,9</td>
</tr>
<tr>
<td>Data collection process</td>
<td>11</td>
<td>List and define all variables for which data were sought (e.g., PICOS, funding sources) and any assumptions and simplifications made.</td>
<td>8,9</td>
</tr>
<tr>
<td>Data items</td>
<td>12</td>
<td>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.</td>
<td>8,14</td>
</tr>
</tbody>
</table>
### 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, including measures of consistency (e.g., I²) for each meta-analysis.

### 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).

### Additional analyses
16  Describe methods of additional analyses (e.g., sensitivity or subgroup analyses, meta-regression), if done, indicating which were pre-specified.

### 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.

#### 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.

#### 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).

#### 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.

#### Synthesis of results
21  Present results of each meta-analysis done, including confidence intervals and measures of consistency.

#### Risk of bias across studies
22  Present results of any assessment of risk of bias across studies (see Item 15).

#### Additional analyses
23  Give results of additional analyses, if done (e.g., sensitivity or subgroup analyses, meta-regression [see Item 16]).

### 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).

#### 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).

#### Conclusions
26  Provide a general interpretation of the results in the context of other evidence, and implications for future research.

### FUNDING

#### Funding
27  Describe sources of funding for the systematic review and other support (e.g., supply of data); role of funders for the systematic review.

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Source: Moher, 2010