Additional file 1: PRISMA-P checklist

PRISMA-P 2015 Checklist

This checklist has been adapted for use with systematic review protocol submissions to BioMed Central journals from Table 3 in Moher D et al.: Preferred reporting items for systematic review and meta-analysis protocols (PRISMA-P) 2015 statement. Systematic Reviews 2015 4:1

An Editorial from the Editors-in-Chief of Systematic Reviews details why this checklist was adapted - Moher D, Stewart L & Shekelle P: Implementing PRISMA-P: recommendations for prospective authors. Systematic Reviews 2016 5:15

| Section/topic     | #  | Checklist item                                                                 | Information reported | Line number(s)                   |
|-------------------|----|-------------------------------------------------------------------------------|----------------------|----------------------------------|
| ADMINISTRATIVE INFORMATION |    |                                                                               |                      |                                  |
| Title             |    |                                                                               |                      |                                  |
| Identification    | 1a | Identify the report as a protocol of a systematic review                      | Yes                  | Title page, p. 1, l. 2-3.        |
| Update            | 1b | If the protocol is for an update of a previous systematic review, identify as such | No                   | Not applicable.                  |
| Registration      | 2  | If registered, provide the name of the registry (e.g., PROSPERO) and registration number in the Abstract | Yes                  | Abstract, p. 2, l. 66; Methods, p. 5, l. 124. |
| Authors           |    |                                                                               |                      |                                  |
| Contact           | 3a | Provide name, institutional affiliation, and e-mail address of all protocol authors; provide physical mailing address of corresponding author | Yes                  | Title page, p. 1, l. 4-25 & l. 30-37. |
| Contributions     | 3b | Describe contributions of protocol authors and identify the guarantor of the review | Yes                  | Authors’ contributions, p. 14, l. 310-315. |
| Amendments        | 4  | If the protocol represents an amendment of a previously completed or published protocol, identify as such and list changes; otherwise, state plan for documenting important protocol amendments | No                   | Not applicable.                  |
| Support           |    |                                                                               |                      |                                  |
| Sources           | 5a | Indicate sources of financial or other support for the review                 | Yes                  | Funding, p. 14, l. 306-309.      |
| Sponsor           | 5b | Provide name for the review funder and/or sponsor                             | Yes                  | Funding, p. 14, l. 306-309.      |
| Section/topic          | #   | Checklist item                                                                 | Information reported                                                                 | Line number(s)                        |
|-----------------------|-----|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------|
| Role of sponsor/funder| 5c  | Describe roles of funder(s), sponsor(s), and/or institution(s), if any, in developing the protocol | ☒ No                                                                                | Funding, p. 14, l. 306-309.            |
| INTRODUCTION          |     |                                                                               |                                                                                      |                                       |
| Rationale             | 6   | Describe the rationale for the review in the context of what is already known   | ☒ No                                                                                | Abstract, p. 2, l. 39-44; Background, p. 4-5, l. 80-111.      |
| Objectives            | 7   | Provide an explicit statement of the question(s) the review will address with reference to participants, interventions, comparators, and outcomes (PICO) | ☒ No                                                                                | Abstract, p. 2, l. 44-46; Background, p. 5, l. 111-115.      |
| METHODS               |     |                                                                               |                                                                                      |                                       |
| Eligibility criteria  | 8   | Specify the study characteristics (e.g., PICO, study design, setting, time frame) and report characteristics (e.g., years considered, language, publication status) to be used as criteria for eligibility for the review | ☒ No                                                                                | Methods, p. 6, l. 135-147.              |
| Information sources   | 9   | Describe all intended information sources (e.g., electronic databases, contact with study authors, trial registers, or other grey literature sources) with planned dates of coverage | ☒ No                                                                                | Abstract, p. 2, l. 48-50; Methods, p. 7, l. 149-169.        |
| Search strategy       | 10  | Present draft of search strategy to be used for at least one electronic database, including planned limits, such that it could be repeated | ☒ No                                                                                | Methods, p. 7, l. 169; Additional file 2.                     |
| STUDY RECORDS         |     |                                                                               |                                                                                      |                                       |
| Data management       | 11a | Describe the mechanism(s) that will be used to manage records and data throughout the review | ☒ No                                                                                | Methods, p. 8, l. 172-175.              |
| Selection process     | 11b | State the process that will be used for selecting studies (e.g., two independent reviewers) through each phase of the review (i.e., screening, eligibility, and inclusion in meta-analysis) | ☒ No                                                                                | Abstract, p. 2, l. 50-53; Methods, p. 8-9, l. 171-195.      |
| Section/topic                        | #  | Checklist item                                                                                                                                                                                                                     | Information reported | Line number(s) |
|-------------------------------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------|
| **Data collection process**         | 11c| Describe planned method of extracting data from reports (e.g., piloting forms, done independently, in duplicate), any processes for obtaining and confirming data from investigators                                               | Yes                  | Abstract, p. 2, l. 53-55; Methods, p. 9-10, l. 196-212. |
| **Data items**                      | 12 | List and define all variables for which data will be sought (e.g., PICO items, funding sources), any pre-planned data assumptions and simplifications                                                                                       | Yes                  | Abstract, p. 2, l. 53-55; Methods, p. 9-10, l. 196-212. |
| **Outcomes and prioritization**     | 13 | List and define all outcomes for which data will be sought, including prioritization of main and additional outcomes, with rationale                                                                                                    | Yes                  | Abstract, p. 2, l. 53-55; Methods, p. 9-10, l. 196-212. |
| **Risk of bias in individual studies** | 14 | Describe anticipated methods for assessing risk of bias of individual studies, including whether this will be done at the outcome or study level, or both; state how this information will be used in data synthesis                                       | Yes                  | Methods, p. 9, l. 208-210. |
| **DATA**                            |    |                                                                                                                                                                                                                                |                      |                |
| **Synthesis**                       | 15a| Describe criteria under which study data will be quantitatively synthesized                                                                                                                                                           | No                   | Not applicable. |
|                                     | 15b| If data are appropriate for quantitative synthesis, describe planned summary measures, methods of handling data, and methods of combining data from studies, including any planned exploration of consistency (e.g., I², Kendall’s tau)                        | No                   | Not applicable. |
|                                     | 15c| Describe any proposed additional analyses (e.g., sensitivity or subgroup analyses, meta-regression)                                                                                                                               | No                   | Not applicable. |
|                                     | 15d| If quantitative synthesis is not appropriate, describe the type of summary planned                                                                                                                                                  | Yes                  | Abstract, p. 2, l. 55-59; Methods, p. 10-11, l. 213-233. |
| **Meta-bias(es)**                   | 16 | Specify any planned assessment of meta-bias(es) (e.g., publication bias across studies, selective reporting within studies)                                                                                                          | No                   | Not applicable. |
| **Confidence in cumulative evidence**| 17 | Describe how the strength of the body of evidence will be assessed (e.g., GRADE)                                                                                                                                                   | No                   | Not applicable. |