MOOSE (Meta-analyses Of Observational Studies in Epidemiology) Checklist

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| **Reporting Criteria** | **Reported (Yes/No)** | | | **Reported on Page No.** | | |
| **Reporting of Background** |  | | |  | | |
| Problem definition |  | Yes |  |  | 1-3 |  |
| Hypothesis statement |  | Yes |  |  | - |  |
| Description of Study Outcome(s) |  | Yes |  |  | 1-3 |  |
| Type of exposure or intervention used |  | Yes |  |  | 1-3 |  |
| Type of study design used |  | Yes |  |  | 3-4 |  |
| Study population |  | Yes |  |  | 6 |  |
| **Reporting of Search Strategy** |  | | |  | | |
| Qualifications of searchers (eg, librarians  and investigators) | Yes | | | 5 | | |
| Search strategy, including time period  included in the synthesis and keywords | Yes | | | 5 | | |
| Effort to include all available studies,  including contact with authors | No | | |  | | |
|  | - |  |
| Databases and registries searched |  | Yes |  |  | 3-4 |  |
| Search software used, name and version, including special features used  (eg, explosion) | Yes | | | 3-4 | | |
| Use of hand searching (eg, reference  lists of obtained articles) | Yes | | | 4 | | |
| List of citations located and those  excluded, including justification | Yes | | | 6 | | |
| Method for addressing articles  published in languages other than English | No | | | - | | |
| Method of handling abstracts and  unpublished studies | No | | | - | | |
| Description of any contact with authors |  | No |  |  | - |  |
| **Reporting of Methods** |  | | |  | | |
| Description of relevance or appropriateness of studies assembled for  assessing the hypothesis to be tested | Yes | | | 3-4 | | |
| Rationale for the selection and coding of data (eg, sound clinical principles or  convenience) | Yes | | | 4 | | |
| Documentation of how data were classified and coded (eg, multiple raters,  blinding, and interrater reliability) | Yes | | | 5 | | |
| Assessment of confounding (eg, comparability of cases and controls in  studies where appropriate | Yes | | | 5 | | |

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| **Reporting Criteria** | **Reported (Yes/No)** | | | **Reported on Page No.** | | |
| Assessment of study quality, including blinding of quality assessors; stratification or regression on possible  predictors of study results | Yes | | | 5 | | |
| Assessment of heterogeneity |  | Yes |  |  | 6-7 |  |
| Description of statistical methods (eg, complete description of fixed or random effects models, justification of whether the chosen models account for predictors of study results, dose-response models, or cumulative meta-analysis) in sufficient  detail to be replicated | Yes | | | 6-7 | | |
| Provision of appropriate tables and  graphics | Yes | | | 23 | | |
| **Reporting of Results** |  | | |  | | |
| Table giving descriptive information for  each study included | Yes | | | 24 | | |
| Results of sensitivity testing (eg,  subgroup analysis) | Yes | | | 25 | | |
| Indication of statistical uncertainty of  findings | Yes | | | 12-13 | | |
| **Reporting of Discussion** |  | | |  | | |
| Quantitative assessment of bias (eg,  publication bias) | No | | | 5 | | |
| Justification for exclusion (eg, exclusion  of non–English-language citations) | No | | | 4 | | |
| Assessment of quality of included studies |  | Yes |  |  | 5 |  |
| **Reporting of Conclusions** |  | | |  | | |
| Consideration of alternative explanations  for observed results | Yes | | | 13 | | |
| Generalization of the conclusions (ie, appropriate for the data presented and  within the domain of the literature review) | Yes | | | 13 | | |
| Guidelines for future research |  | Yes |  |  | 13-14 |  |
| Disclosure of funding source |  | Yes |  |  | 14 |  |