

Supplementary Appendix 2. MOOSE checklist

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

Reporting criteria	Reported (yes/no)	Reported on page no.
Reporting of Background		
Problem definition	Yes	p.3
Hypothesis statement	Yes	p.4
Description of study outcome(s)	Yes	p.4
Type of exposure or intervention used	Yes	p.5
Type of study design used	Yes	p.5
Study population	Yes	p.4
Reporting of Search Strategy		
Qualifications of searchers (e.g., librarians and investigators)	Yes	p.5
Search strategy, including time period included in the synthesis and keywords	Yes	p.4-5, Appendix 1
Effort to include all available studies, including contact with authors	Yes	p.4
Databases and registries searched	Yes	p.4
Search software used, name and version, including special features used (e.g., explosion)	Yes	p.4-5
Use of hand searching (e.g., reference lists of obtained articles)	Yes	p.4-5
List of citations located and those excluded, including justification	Yes	p.5, Figure 1
Method for addressing articles published in languages other than English	Yes	p.5
Method of handling abstracts and unpublished studies	Yes	p.5, Figure 1
Description of any contact with authors	No	Not reported in manuscript
Reporting of Methods		
Description of relevance or appropriateness of studies assembled for assessing the hypothesis to be tested	Yes	p.4-5
Rationale for the selection and coding of data (e.g., sound clinical principles or convenience)	Yes	p.6
Documentation of how data were classified and coded (e.g., multiple raters, blinding, and interrater reliability)	Yes	p.4-5
Assessment of confounding (e.g., comparability of cases and controls in studies where appropriate)	Yes	p.8-9
Assessment of study quality, including blinding of quality assessors; stratification or regression on possible predictors of study results	Yes	p.5
Assessment of heterogeneity	Yes	p.6
Description of statistical methods (e.g., 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	p.5-6
Provision of appropriate tables and graphics	Yes	Figure 1, 2, 3, Supplementary Table 1, 2
Reporting of Results		
Table giving descriptive information for each study included	Yes	Supplementary Table 1
Results of sensitivity testing (e.g., subgroup analysis)	Yes	p.9-10, Figure 3
Indication of statistical uncertainty of findings	Yes	p.8-9
Reporting of Discussion		
Quantitative assessment of bias (e.g., publication bias)	Yes	p.9
Justification for exclusion (e.g., exclusion of non-English-language citations)	Yes	p. 5-6
Assessment of quality of included studies	Yes	p.10-14
Reporting of Conclusions		
Consideration of alternative explanations for observed results	Yes	p.10-14
Generalization of the conclusions (i.e., appropriate for the data presented and within the domain of the literature review)	Yes	p.10-14
Guidelines for future research	Yes	p.15
Disclosure of funding source	No	N/A