**Supplementary Table 1.** Meta-analysis of Observational Studies in Epidemiology (MOOSE) Checklist

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| --- | --- | --- |
| **Criteria** | **Checklist** | **Page No.** |
| **Reporting of background should include** |  |  |
|  Problem definition | V | 3 |
|  Hypothesis statement | V | 3 |
|  Description of study outcomes | V | 3 |
|  Type of exposure or intervention used | V | 3 |
|  Type of study designs used | V | 3 |
|  Study population | V | 3 |
| **Reporting of search strategy should include** |  |  |
|  Qualifications of searchers | V | 4, 5 |
|  Search strategy, including time period included in the  synthesis and keywords | V | 4, Supplement method |
|  Databases and registries searched | V | 4 |
|  Search software used, name and version, including  special features | V | 4 |
|  Use of hand searching | V | 4 |
|  List of citations located and those excluded, including  justifications | V | 4, Fig 1 |
|  Method of addressing articles published in languages  other than English | V | 4 |
|  Method of handling abstracts and unpublished studies | V | 4 |
|  Description of any contact with authors | V | 5 |
| **Reporting of methods should include** |  |  |
|  Description of relevance or appropriateness of studies  assembled for assessing the hypothesis to be tested | V | 4 |
|  Rationale for the selection and coding of data | V | 4 |
|  Assessment of confounding | V | 4 |
|  Assessment of study quality, including blinding of  quality assessors; stratification or regression on  possible predictors of study results | V | 4-6 |
|  Assessment of heterogeneity | V | 6 |
|  Description of statistical methods in sufficient detail  to be replicated | V | 5-6 |
|  Provision of appropriate tables and graphics | V | Tables, Figures |
| **Reporting of results should include** |  |  |
|  Graph summarizing individual study estimates and  overall estimate | V | Tables, Figures |
|  Table giving descriptive information for each study  included | V | Table 1 |
|  Results of sensitivity testing | V | Table 2, Figure 3 |
|  Indication of statistical uncertainty of findings | V | 8-9 |
| **Reporting of discussion should include** |  |  |
|  Quantitative assessment of bias | V | 11-12 |
|  Justification for exclusion | V | Figure 1 |
|  Assessment of quality of included studies | V | 8, Supplement table 2 |
| **Reporting of conclusions should include** |  |  |
|  Consideration of alternative explanations for observed  results | V | 10-12 |
|  Generalization of the conclusions | V | 12 |
|  Guidelines for future research | V | 12 |
|  Disclosure of funding source | V | 12 |