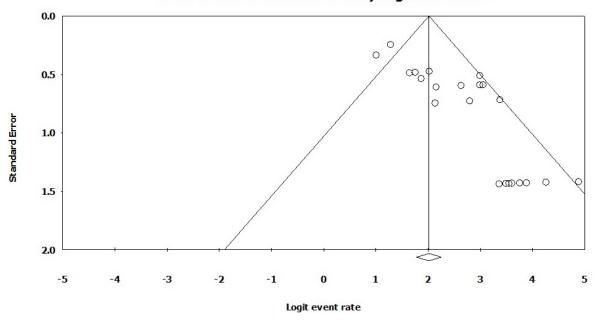
Funnel Plot of Standard Error by Logit event rate



Supplementary figure 1.

Section/topic	#	Checklist item	Reported on page #
TITLE			
Title	le 1 Identify the report as a systematic review, meta-analysis, or both.		1
ABSTRACT			
Structured summary	2	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.	
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known.	4
Objectives	4 Provide an explicit statement of questions being addressed with reference to participants, interventions, comparisons, outcomes, and study design (PICOS).		5
METHODS			
Protocol and registration	bcol and registration 5 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.		
Eligibility criteria	6	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.	
Information sources	7 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.		5
Search	Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated.		5
Study selection	Study selection 9 State the process for selecting studies (i.e., screening, eligibility, included in systematic review, and, if applicable, included in the meta-analysis).		6
Data collection process	ta collection process 10 Describe method of data extraction from reports (e.g., piloted forms, independently, in duplicate) and any processes for obtaining and confirming data from investigators.		5
Data items	List and define all variables for which data were sought (e.g., PICOS, funding sources) and any assumptions and simplifications made.		7
Risk of bias in individual studies	3		8
Summary measures	mary measures 13 State the principal summary measures (e.g., risk ratio, difference in means).		7
Synthesis of results 14 Describe the methods of handling data and combining results of studies, if done, including measures of consistency (e.g., I ²) for each meta-analysis.		7	

Section/topic	ection/topic # Checklist item		Reported on page #
Risk of bias across studies	k 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).		8
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	Graph 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.		8
Study characteristics	tudy characteristics 18 For each study, present characteristics for which data were extracted (e.g., study size, PICOS, follow-up period) and provide the citations.		Table 1
Risk of bias within studies	19	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 analysis	23 Give results of additional analyses, if done (e.g., sensitivity or subgroup analyses, meta-regression [see Item 16]).		10, 11
DISCUSSION			
Summary of evidence	ummary 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).		12, 13
Limitations	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).		14
Conclusions	Provide a general interpretation of the results in the context of other evidence, and implications for future research.		14
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.	Title page

MOOSE Checklist for Meta-analyses of Observational Studies

Item No	Recommendation	Reported on Page No			
Reporting of background should include					
1	Problem definition	5			
2	Hypothesis statement	5			
3	Description of study outcome(s)	6			
4	Type of exposure or intervention used	6			
5	Type of study designs used	5			
6	Study population	9			
Reporting o	f search strategy should include				
7	Qualifications of searchers (eg, librarians and investigators)	5			
8	Search strategy, including time period included in the synthesis and key words	5			
9	Effort to include all available studies, including contact with authors	5			
10	Databases and registries searched	5			
11	Search software used, name and version, including special features used (eg, explosion)	6			
12	Use of hand searching (eg, reference lists of obtained articles)	5			
13	List of citations located and those excluded, including justification	8			
14	Method of addressing articles published in languages other than English				
15	Method of handling abstracts and unpublished studies	6			
16	Description of any contact with authors				
Reporting o	f methods should include				
17	Description of relevance or appropriateness of studies assembled for assessing the hypothesis to be tested				
18	Rationale for the selection and coding of data (eg, sound clinical principles or convenience)				
19	Documentation of how data were classified and coded (eg, multiple raters, blinding and interrater reliability)				

20	Assessment of confounding (eg, comparability of cases and controls in studies where appropriate)	8
21	Assessment of study quality, including blinding of quality assessors, stratification or regression on possible predictors of study results	7
22	Assessment of heterogeneity	7
23	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	7
24	Provision of appropriate tables and graphics	Tables, Figures
Reporting	of results should include	
25	Graphic summarizing individual study estimates and overall estimate	Figures 1,2,3
26	Table giving descriptive information for each study included	Table 1
27	Results of sensitivity testing (eg, subgroup analysis)	10,11
28	Indication of statistical uncertainty of findings	
Reporting	of discussion should include	
29	Quantitative assessment of bias (eg, publication bias)	10
30	Justification for exclusion (eg, exclusion of non-English language citations)	6
31	Assessment of quality of included studies	9
Reporting	of conclusions should include	
32	Consideration of alternative explanations for observed results	13
33	Generalization of the conclusions (ie, appropriate for the data presented and within the domain of the literature review)	13
34	Guidelines for future research	
35	Disclosure of funding source	Title page

From: Stroup DF, Berlin JA, Morton SC, et al, for the Meta-analysis Of Observational Studies in Epidemiology (MOOSE) Group. Meta-analysis of Observational Studies in Epidemiology. A Proposal for Reporting. *JAMA*. 2000;283(15):2008-2012. doi: 10.1001/jama.283.15.2008.