

Supplementary Material

Detailed Search Strategy

A detailed account of the search strategy used in each database, including the exact search terms and the number of results obtained, is provided below:

Scopus: Search Terms: "(pregnancy OR pregnancy complications OR pregnancy outcome OR newborn OR neonate OR birth) AND (electronic cigarettes OR heated tobacco products OR vaping OR e-cigarettes OR vape OR IQOS OR ENDS OR electronic nicotine delivery systems)" Results: 220 articles

Medline (PubMed): Search Terms: "(pregnancy OR pregnancy complications OR pregnancy outcome OR newborn OR neonate OR birth) AND (electronic cigarettes OR heated tobacco products OR vaping OR e-cigarettes OR vape OR IQOS OR ENDS OR electronic nicotine delivery systems)" Results: 1,056 articles

Web of Science: Search Terms: "(pregnancy OR pregnancy complications OR pregnancy outcome OR newborn OR neonate OR birth) AND (electronic cigarettes OR heated tobacco products OR vaping OR e-cigarettes OR vape OR IQOS OR ENDS OR electronic nicotine delivery systems)" Results: 1,600 articles

Grey Literature: Sources included clinical trial registries, conference proceedings, and government reports. Results: 0 articles

STROBE Statement—checklist of items that should be included in reports of observational studies

Item No	Recommendation	Response
1(a)	Indicate the study's design with a commonly used term in the title or the abstract	Impact of Electronic Nicotine Delivery Systems (ENDS) on Fetal Outcomes: A Systematic Review and Meta-Analysis
1(b)	Provide in the abstract an informative and balanced summary of what was done and what was found	Abstract includes objectives, methods, results, and conclusions
2	Explain the scientific background and rationale for the investigation being reported	Introduction section, paragraphs 1-3
3	State specific objectives including any prespecified hypotheses	Introduction section, last paragraph
4	Present key elements of study design early in the paper	Methods section, first paragraph
5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Methods section, Search Strategy subsection
6(a)	Cohort study—Give the eligibility criteria and the sources and methods of selection of participants. Describe methods of follow-up	Methods section, Selection Criteria subsection
6(b)	Cohort study—For matched studies, give matching criteria and number of exposed and unexposed	Not applicable
7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria if applicable	Methods section, Variables subsection

Item No	Recommendation	Response
8	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	Methods section, Data Extraction subsection
9	Describe any efforts to address potential sources of bias	Methods section, Quality Assessment and Bias Evaluation subsection
10	Explain how the study size was arrived at	Methods section, Selection Criteria subsection
11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	Methods section, Statistical Methods subsection
12(a)	Describe all statistical methods, including those used to control for confounding	Methods section, Statistical Methods subsection
12(b)	Describe any methods used to examine subgroups and interactions	Not explicitly described in the document
12(c)	Explain how missing data were addressed	Not explicitly described in the document
12(d)	Cohort study—If applicable, explain how loss to follow-up was addressed	Not applicable
12(e)	Describe any sensitivity analyses	Methods section, Statistical Methods subsection
13(a)	Report numbers of individuals at each stage of study—e.g., numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analyzed	Results section, first paragraph
13(b)	Give reasons for non-participation at each stage	Results section, first paragraph

Item No	Recommendation	Response
13(c)	Consider use of a flow diagram	Figure 1 in the document
14(a)	Give characteristics of study participants (e.g., demographic, clinical, social) and information on exposures and potential confounders	Results section, Table 1
14(b)	Indicate number of participants with missing data for each variable of interest	Not explicitly described in the document
14(c)	Cohort study—Summarize follow-up time (e.g., average and total amount)	Not applicable
15	Cohort study—Report numbers of outcome events or summary measures over time	Not applicable
16(a)	Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (e.g., 95% confidence interval). Make clear which confounders were adjusted for and why they were included	Results section, Meta-analysis subsection
16(b)	Report category boundaries when continuous variables were categorized	Not explicitly described in the document
16(c)	If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	Not explicitly described in the document
17	Report other analyses done—e.g., analyses of subgroups and interactions, and sensitivity analyses	Results section, Meta-analysis subsection
18	Summarize key results with reference to study objectives	Discussion section, first paragraph
19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	Discussion section, Limitations subsection

Item No	Recommendation	Response
20	Give a cautious overall interpretation of results, considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	Discussion section, Interpretation subsection
21	Discuss the generalisability (external validity) of the study results	Discussion section, Generalisability subsection
22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	Not applicable