Influenza vaccines may protect against cardiovascular diseases: The evidence is mounting and should be known by the Canadian public health community

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Results of first PubMed search (April 12, 2023)

Search words: influenza AND vaccin* AND (cardiovascular OR myocardial OR stroke OR arrhythmia)
Number of hits: 1,015
Selection: Review article or systematic review or meta-analysis
Number of hits: 194
Exclusion criteria: irrelevant according to population, intervention, control, outcomes and study (PICOS) (i.e. adults, influenza vaccination, vaccinated vs. unvaccinated, adverse CVD outcome, quantitative study), editorial, commentary, non-systematic narrative reviews, clinical guidelines
Excluded: 171
Retained: 25 systematic reviews with or without meta-analysis

Results of second PubMed search (July 17, 2023)

Search words: influenza AND vaccin* AND (cardiovascular OR myocardial OR stroke OR arrhythmia)
Selection: Year 2023
Number of hits: 75
Selection: Review article or systematic review or meta-analysis
Number of hits: 15
Exclusion criteria: irrelevant according to PICOS (i.e. adults, influenza vaccination, vaccinated vs. unvaccinated, adverse CVD outcome, quantitative study), editorial, commentary, non-systematic narrative reviews, clinical guidelines
Excluded: 11
Retained: 4 systematic reviews with or without meta-analysis including one duplicate with first search and one manuscript in Chinese that could not be assessed

Total assessed

First and second search: 25 + 2=27
One additional review identified through another search: 1
Total manuscript assessed: 27 + 1=28 (references 1–28)
References


