

Call of Abstracts - "International conference on the E-Cigarette: patterns of use and health impacts"



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"International conference on the E-Cigarette: patterns of use and health impacts" - Paris, on 5-6th December 2022

Submission form

Poster & oral presentation

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Background information

Type of submission

Oral or poster

Theme of conference

Patterns of use

Keywords

Perceptions, representations, beliefs

Population health intervention research

Public health

Abstract title

Vaping risk perceptions: Systematic review of interventions to change them, and associations with vaping/smoking behaviours

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Abstract details (poster & oral)

Background, method, results and conclusions

BACKGROUND: Inaccurate perceptions of vaping as equally/more harmful than smoking are increasing. Whether these misperceptions can be corrected or if they affect vaping/smoking behaviours is unclear.

METHOD: Systematic review searching five databases (CINAHL, EMBASE, MEDLINE, PsycINFO, Scopus) from 01/01/07-31/07/21. Quantitative studies with >1 timepoint were included if they examined whether: (1) interventions communicating vaping risks are associated with changes in vaping risk perceptions, or (2) vaping risk perceptions predicted changes in vaping/smoking behaviours.

RESULTS: Fifty-two articles were identified. Interventions communicating reduced risks of vaping relative to smoking (n=7) in writing/warning labels generally increased perceptions that vaping is less harmful than smoking. Communicating accurate nicotine information (e.g., nicotine not the main cause of smoking-related harms; n=3) in writing/warning labels generally increased accurate nicotine perceptions. Communicating vaping risks mainly to deter youth vaping (e.g., highlighting addiction, diseases; n=17) usually in writing, video games, or educational workshops generally increased perceptions that vaping harms health and is equally/more harmful than smoking. Vaping risk perceptions predicted changes in vaping behaviours (n=20): perceiving vaping as less harmful than smoking predicted subsequent initiation/increases in vaping among youth/young adults and adult smokers, while perceiving vaping as harmful predicted not initiating vaping. Fewer studies assessed changes in smoking (n=6): perceiving vaping as equally/more harmful than smoking predicted smoking relapse among adult former smokers but risk perceptions did not predict smoking initiation among youth.

CONCLUSIONS: Communicating vaping risks can change vaping perceptions, which in turn can change vaping/smoking behaviours. Accurate messages on vaping relative to smoking may reduce tobacco use.

Main messages

Accurate information about vaping harms can correct misperceptions that vaping is equally/more harmful than smoking. Interventions about absolute vaping harms must be carefully designed to not misinform youth about relative smoking and vaping harms.

Type of study / research

Systematic review

Geography of the study

International (including Europe)

Funding of study

Federal source

Yes

State source

No

Nonprofit Grant Funding Entity Source

No

Nonprofit Grant Funding Entity Source

No

Academic Institution Source

No

Pharmaceutical Industry Source

No

Tobacco/E-Cigarette Industry Source

No

Declaration of interest

The submitter declares that during the past 5 years have a direct nor indirect link (professional*, personal or financial) with the tobacco and e-cigarette companies**

No