

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



Call of abstracts

"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

Theme of conference

Patterns of use

Keywords

Gateway

Public health

Smoking cessation

Abstract title

The impact of electronic cigarette and heated tobacco product on conventional smoking: an Italian prospective cohort study from Italy conducted during the COVID-19 pandemic.

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Abstract details (poster & oral)

Background, method, results and conclusions

BACKGROUND. Debate continues about whether e-cigarettes and heated tobacco products (HTP) reduce or increase the probability of smoking, with many studies compromised by stated or unstated conflicts of interest. We undertook a longitudinal study in Italy. **METHOD.** 3,185 Italian participants aged 18-74 years provided baseline (April-May) and follow up (November-December) responses in 2020, reporting smoking status and use of e-cigarettes and heated tobacco products (HTP). We tracked transitions over that period and report risk ratios (RR) and corresponding 95% confidence intervals (CI) for changes in smoking in relation to baseline use of e-cigarettes and HTPs. **RESULTS.** Never cigarette smokers who used e-cigarettes at baseline were much more likely to start smoking (compared with never users, RR 8.78; 95% CI: 5.65-13.65) and current HTP users (RR 5.80; 95% CI: 3.65-9.20). Among ex-smokers, relapse (17.2%) at follow-up was more likely among e-cigarette (RR 4.25; 95% CI: 2.40-7.52) and HTP users (RR 3.32; 95% CI: 2.05-5.37). Among current smokers at baseline, those who had continued smoking at follow-up were 85.4% overall. These were more frequently current novel product users (compared to non-users, RR 1.10; 95% CI: 1.02-1.19 for e-cigarette users; RR 1.17; 95% CI: 1.10-1.23 for HTP users). **CONCLUSION.** Both e-cigarette and HTP use predicts starting smoking and relapse, and appear to reduce smoking cessation. Due to the limited sample size within specific strata, the association with quitting smoking should be confirmed by larger prospective studies. These findings do not support the use of e-cigarettes and HTPs in tobacco control, at least in Italy, and reinforce the importance of regulating novel (tobacco) products the same way as conventional cigarettes.

Main messages

E-cigarettes might have a role in smoking cessation as part of clinical interventions, but as customer products e-cigarettes and HTPs are deleterious for tobacco control, and, ultimately, population health.

Type of study / research

Longitudinal

Geography of the study

Europe

Funding of study

Federal source

No

State source

No

Nonprofit Grant Funding Entity Source

Yes

Nonprofit Grant Funding Entity Source

Yes

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