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

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Abstract title

Determinants of Shisha vaping among high school students in Abidjan-Côte d'Ivoire

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Abstract details (poster & oral)

Background, method, results and conclusions

Backgroung: Shisha vaping has experienced an alarming increase in recent years among schoolchildren. The first contact, which occurs most often in adolescence, could lead to smoking. A

survey was conducted in high schools in Abidjan to analyse the determinants of this consumption.
Method: A cross-sectional study was conducted from February to April 2019 among a random sample of students from eight public and private high schools in Abidjan, southern Côte d'Ivoire. These high school students completed a questionnaire regarding their socio-demographic characteristics, smoking habits, and smoking with shisha. Chi square test was used to compare proportions. The associations between shisha smoking and each of the characteristics studied were measured using logistic regression models at 5% risk.
Results: The mean age of the 766 schoolchildren surveyed was 17.5 (+/-1.6) years with a sex ratio of 0.86. Of the 53 (7%) high school students who used at least one smoking method, 36 (68%) used shisha exclusively and 11 (21%) associated it with cigarette smoking. In univariate analysis, the typical shisha user was male ($p = 0.001$), a cigarette smoker ($p < 0.001$), in the 10th grade ($p = 0.013$), had at least one friend who smoked cigarettes (0.032), perceived cigarettes as soothing ($p = 0.02$) and cited health impact as the main reason for quitting smoking
($p = 0.028$). In the final logistic model, male high school students (OR = 2.47 (1.12-5.85), $p = 0.029$) and cigarette smoking (OR = 15.3 (6.25-39.87), $p = 0.001$) were found to be significant and influential predictors of shisha use.
Conclusion: There is a concern that shisha vaping is a new entry point to smoking among schoolchildren, hence the need for an information and awareness policy. Furthermore, the use of vaping devices and products must be strictly controlled.

Main messages

There is a strong link between shisha vaping and cigarette smoking among schoolchildren, especially young male. The study of multiple substance use among schoolchildren is therefore necessary to target preventive measures to be promoted.

Type of study / research

Original study

Geography of the study

Outside Europe

Funding of study

Federal source

No

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