

Other tobacco products and cannabinoids used by regular ENDS users

Presenter: Joshua Sinamo

Background

It is estimated that up to 26% of tobacco users in the U.S. use more than one kind of tobacco product (dual or poly-use). However, less is known about the specifics of the other products used by ENDS users. This study assesses the average number of and most common tobacco and cannabinoid products used by regular ENDS users, by cigarette smoking status.

Methods

- 1179 U.S. adults (aged 21+) using ENDS 5+ days/week were asked about past 30-day use of other products including cigarettes, cannabis or the primary active ingredient (dry herb or THC), CBD, cigarillos/filtered cigars, hookah/shisha, chewing tobacco or dip/snuff/snus, traditional cigars, and pipes with tobacco.
- Descriptive analysis, Mann-Whitney U, and Chi-squared tests were conducted.

Results

- A significantly higher percentage of ENDS users who smoked cigarettes [71.6%] used at least 1 other products compared to those who did not smoke cigarettes [52.5%] [p<0.001] (Table).

ENDS users who smoke cigarettes used more tobacco/cannabinoid products on average and were more likely to use each product individually compared to ENDS users who did not smoke cigarettes.

Percentage of regular ENDS users who used other products by cigarette smoking status in past 30 days

Product	Smokes cigarettes (n=489, 41.5%)		Does not smoke cigarettes (n=690, 58.5%)		p*
	n	%	n	%	
Cannabis or the primary active ingredient (dry herb or THC)	294	60.1%	301	43.6%	<0.001
CBD	137	28.0%	126	18.3%	<0.001
Cigarillos/filtered cigars	105	21.5%	52	7.5%	<0.001
Hookah/shisha	45	9.2%	34	4.9%	<0.01
Chewing tobacco or dip/snuff/snus	44	9.0%	22	3.2%	<0.001
Traditional cigars	38	7.8%	22	3.2%	<0.001
Pipes with tobacco	21	4.3%	13	1.9%	<0.05
Used at least 1 of the products above	350	71.6%	362	52.5%	<0.001

*Chi-squared tests p-values are presented; p<0.05 noted in green

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Acknowledgements: Research reported in this publication was supported by NIDA and FDA Center for Tobacco Products (CTP) under Award Number U54DA036105. The content is solely the responsibility of the authors and does not necessarily represent the official views of the NIH or the Food and Drug Administration.

Competing Interests: The authors have no competing interests to disclose

Results (cont'd)

- ENDS users who smoked cigarettes co-used significantly more products [mean=1.40] compared to those who did not smoke cigarettes [mean=0.83] [p<0.001].
- ENDS users who smoked cigarettes were significantly more likely to use cannabis or the primary active ingredient (dry herb or THC), CBD, cigarillos/filtered cigars, hookah/shisha, chewing tobacco or dip/snuff/snus, traditional cigars and pipes with tobacco [p<0.05] (Table).

Conclusions

- ENDS users who smoked cigarettes used more tobacco/cannabinoid products on average and were more likely to use each product individually.
- Cannabis or the primary active ingredient (dry herb or THC), and CBD were the most widely used products by both groups. Among tobacco products, cigarillos/filtered cigars and hookah/shisha were the most widely used for both groups.
- Information on other products used among regular ENDS users can inform efforts to reduce death and disease among this population.

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