

Ever Use of Emerging Tobacco Products

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Support

- AAP Julius B. Richmond Center
 - aap.org/richmondcenter
- Legacy
 - legacyforhealth.org



Emerging Tobacco Products

- Snus
- Waterpipe
- Dissolvable Tobacco Products
- Electronic Nicotine Delivery Systems

Background

- Provides timely, comprehensive data about tobacco control attitudes and practices
- Objectively measures and monitors progress towards intermediate objectives
- Annual cross-sectional assessments including physician screening, counseling and tobacco cessation practices

Methods

- Mixed-Mode
 - National random digit dial telephone survey
 - Co-operation rate 71% (N=1,504)
 - National frame from Knowledge Networks
 - Co-operation rate 67% (N=1,736)
- Weighted by race, gender, age, and region based on U.S. Census Estimates

Weighted Sample Characteristics

- Current Smokers, 18.3%
- Former Smokers, 24.8%
- Never Smokers, 56.9%

- African-American, 11.5%
- White, 74.2%

- Male, 47.6%
- Female, 52.3%

Ever Use of Nicotine Products

	Snus	Waterpipe	Dissolvable tobacco products	ENDS	At least one of these products
Overall	5.1% (n=162)	8.8% (n=281)	0.6% (n=20)	1.8% (n=56)	13.6% (n=435)
<i>Smoking Status</i>	<i>p<.001</i>	<i>p<.001</i>	<i>p=.001</i>	<i>p<.001</i>	<i>p<.001</i>
Never Smokers	2.7% (n=48)	5.4% (n=97)	0.2% (n=3)	0.3% (n=6)	7.7% (n=139)
Former Smokers	6.5% (n=51)	11.4% (n=90)	1.1% (n=9)	1.5% (n=12)	17.2% (n=135)
Current Smokers	10.7% (n=62)	16.2% (n=94)	1.4% (n=8)	6.6% (n=38)	27.6% (n=160)

Other Predictors, Bivariate Analyses

- Age: Younger adults were more likely to report ever use of snus and waterpipe
- Race: African Americans were the least likely to report ever use of waterpipe
- Sex: Males were more likely to report ever use of snus, waterpipe, and DTPs
- Education: Adults with at least some college education were more likely to have ever tried snus, waterpipe, & ENDS

Multivariate Results

Predictors	Have Tried One of These Products - Adjusted OR (95% Confidence Interval)
Smoking Status	
Former Smoker	2.71 (2.06, 3.57)
Current Smoker	5.70 (4.29, 7.59)
Region	
Northeast	1.69 (1.18, 2.44)
Midwest	1.65 (1.20, 2.28)
West	1.81 (1.37, 2.40)
Age	
18-24	2.19 (1.61, 2.98)
Sex	
Males	3.52 (2.78, 4.46)
Education	
High School	1.57 (.99, 2.50)
Some College	2.68 (1.70, 4.22)
College Degree	2.05 (1.27, 3.31)

Discussion

- Use of these products among never smokers raises concerns about developing nicotine addiction, former smokers relapsing, and current smokers using these products to manage situations where smoking is not allowed rather than quitting.
- Greater awareness of emerging tobacco product prevalence and the high risk demographic user groups might inform efforts to determine appropriate clinical and regulatory actions.

Potential Limitations

- Possibility of Noncoverage Bias
- Could there be a “Time-in-Frame” bias for respondents in the probability-based internet panel?
- Did former smokers use these products as a cessation aid?

Thank You