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Alternate Tobacco Product and Drug Use Among Adolescents Who Use Electronic Cigarettes, Cigarettes Only, and Never Smokers.

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Abstract

PURPOSE: To determine whether use of alternative tobacco products (i.e., cigars, blunts, hookah, smokeless tobacco), alcohol, and marijuana differs among adolescents who currently use (1) electronic cigarettes (e-cigarettes); (2) cigarettes only; and (3) never smokers.

METHODS: Analysis of a self-reported survey from four high schools in 2010-2011 (n = 3,102) with a subsample (n = 1,556) surveyed on alcohol and marijuana. Analyses were conducted with multinomial logistic regression models accounting for clustering by schools.

RESULTS: The sample contained 2.4% (n = 76) e-cigarette users, 12.4% (n = 386) cigarette smokers, and 85.1% (n = 3,197) never smokers. E-cigarette users were more likely than cigarette-only smokers to report blunt (adjusted odds ratio, 1.81; 95% confidence interval, 1.21-2.71) and hookah use (adjusted odds ratio, 3.12; 95% confidence interval, 1.90-5.13), but not cigar, smokeless tobacco, alcohol, or marijuana use.

CONCLUSIONS: E-cigarette users are more likely than cigarette smokers to use hookah and blunts.

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KEYWORDS: Adolescent; Alcohol; Marijuana; Tobacco products

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