

# Non-cigarette tobacco use tied to future cigarette use in teens

January 4 2018

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(HealthDay)—Non-cigarette tobacco use is associated with subsequent

cigarette smoking among U.S. adolescents, according to a study published online Jan. 2 in *JAMA Pediatrics*.

Shannon Lea Watkins, Ph.D., from the University of California, San Francisco, and colleagues estimated the longitudinal correlation between non-cigarette tobacco use and subsequent cigarette [smoking](#) among U.S. adolescents. Data were included for 10,384 participants (aged 12 to 17 years at baseline) from waves 1 (Sept. 12, 2013, to Dec. 14, 2014) and 2 (Oct. 23, 2014, to Oct. 30, 2015) of the Population Assessment of Tobacco and Health study.

The researchers found that 4.6 percent of all baseline never-smoking youths had tried a cigarette at one-year follow-up and 2.1 percent had smoked a cigarette within the past 30 days. Youths who had ever used e-cigarettes, hookah, non-cigarette combustible tobacco, or [smokeless tobacco](#) at baseline had higher cigarette ever use at follow-up (19.1, 18.3, 19.2, and 18.8 percent, respectively). The odds of past 30-day cigarette use at follow-up were about two-fold higher for ever users of e-cigarettes, hookah, non-cigarette combustible tobacco, and smokeless tobacco (odds ratios, 1.87, 1.92, 1.78, and 2.07), after adjustment for confounding factors. Compared with baseline never [tobacco users](#), youths who had tried more than one type of tobacco product at baseline had 3.81-fold increased adjusted odds of past 30-day cigarette smoking.

"Any use of e-cigarettes, hookah, non-cigarette combustible tobacco, or smokeless [tobacco](#) was independently associated with cigarette smoking one year later," the authors write.

**More information:** [Abstract/Full Text \(subscription or payment may be required\)](#)

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Citation: Non-cigarette tobacco use tied to future cigarette use in teens (2018, January 4)  
retrieved 20 September 2024 from

<https://medicalxpress.com/news/2018-01-non-cigarette-tobacco-tied-future-cigarette.html>

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