



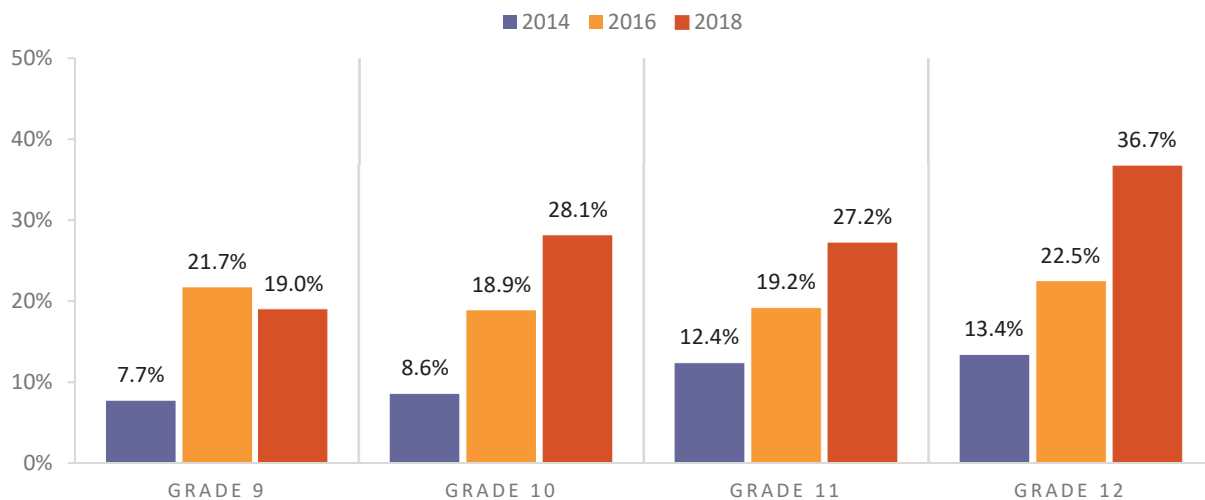
Trends in Electronic Cigarette Use Among High School Youth NYS-YTS 2014-2018

In September 2018, the U.S. Food and Drug Administration declared youth use of electronic cigarettes to be a national epidemic.¹ According to data from the 2018 New York State Youth Tobacco Survey (NYS-YTS), over 27% of high school students report current use of electronic cigarettes (e-cigarettes) and similar devices, a 160% increase from the 2014 prevalence of 10.4%.² Additional analyses indicate that among high school students in New York:

- E-cigarette use increased significantly between 2014 and 2018 among students in every grade level.
- Among 9th and 10th grade students, significant increases in e-cigarette use were observed from 2014 to 2016, with no significant increase from 2016 to 2018; for 11th grade students, significant increases were observed from 2014 to 2018, with no significant increase measured in 2016.
- Among 12th grade students, significant increases were observed from 2014 to 2016 and from 2016 to 2018. In 2018, nearly 4 out of every 10 students in 12th grade (36.7%) report current e-cigarette use, defined as use on one or more days in the past 30 days.

Preventing youth initiation of all tobacco products, including e-cigarettes, is a priority of the NYS Tobacco Control Program. Almost all e-cigarettes contain nicotine³, a highly addictive drug derived from tobacco that can have lasting effects on brain and cognitive development.⁴ With or without nicotine, e-cigarettes are not hazard-free and e-cigarette aerosol may contain heavy metals, volatile organic compounds, ultrafine particles, and other toxins linked to lung disease.⁴ E-cigarette use can undermine established tobacco-free norms and increase the risk of ever using combustible tobacco cigarettes among youth and young adults.⁴

Current Electronic Cigarette Use Among High School Youth by Grade Level, NYS-YTS 2014-2018



1. U.S. Food and Drug Administration. September 2018, FDA takes new steps to address epidemic of youth e-cigarette use, including a historic action against more than 1,300 retailers and 5 major manufacturers for their roles perpetuating youth access.
2. New York State Department of Health (2018). StatShot Vol. 11, No. 5 / Oct 2018: Electronic Cigarette Use by Youth Increased 160% Between 2014 and 2018.
3. Marynak KL; Gammon DG; Rogers T.; et al. (2017). Sales of Nicotine-Containing Electronic Cigarette Products: United States, 2015. American Journal of Public Health.
4. U.S. Department of Health and Human Services. E-Cigarette Use Among Youth and Young Adults. A Report of the Surgeon General. Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health, 2016.

Source: New York State Youth Tobacco Survey 2014-2018.

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