

# 2014 Florida Youth Tobacco Survey: Fact Sheet 12



## Youth Electronic Cigarette Use



### Introduction

The Florida Youth Tobacco Survey (FYTS) was administered in the spring of 2014 to 36,979 middle school students and 32,921 high school students in 765 public schools throughout the state. The overall survey response rate for middle schools was 81%, and the overall survey response rate for high schools was 78%. The FYTS has been conducted annually since 1998. The data presented in this fact sheet are weighted to represent the entire population of public middle and high school students in Florida.

### About Electronic Cigarettes

An electronic cigarette (e-cigarette) (Picture 1) is a battery-operated device that looks, feels, and tastes like a tobacco cigarette. They deliver nicotine, flavor, and other chemicals (Picture 2) to the user in the form of a vapor.



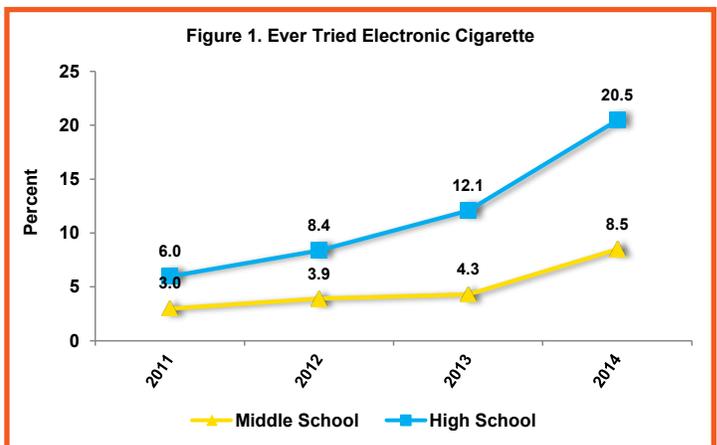
Picture 1. Electronic cigarettes.



Picture 2. Electronic cigarette and nicotine.

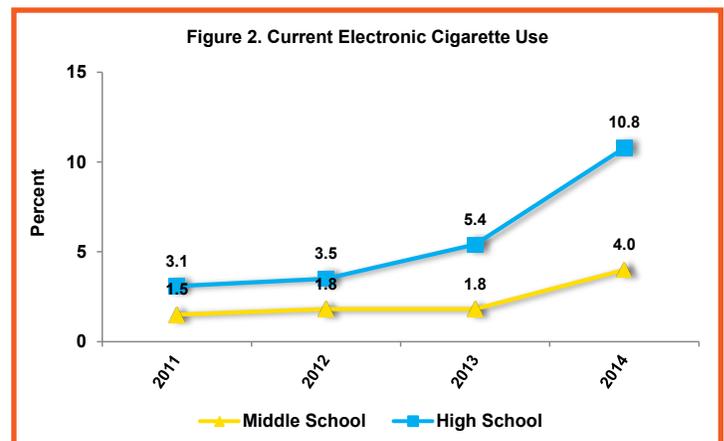
### Ever Tried Electronic Cigarettes

In 2014, 8.5% of middle school students and 20.5% of high school students reported trying an electronic cigarette at least once (Figure 1). Since 2011, this behavior has increased by 183.3% among middle school students and by 241.7% among high school students.



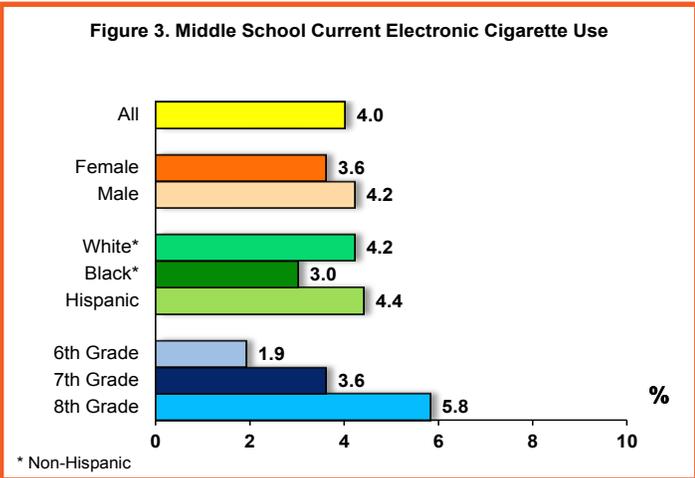
### Current Electronic Cigarette Use

In 2014, 4.0% of middle school students and 10.8% of high school students reported using an electronic cigarette at least once during the past 30 days (Figure 2). Since 2011, this behavior has increased by 167.7% among middle school students and by 248.4% among high school students. Since 2013, this behavior has increased 122.2% among middle school students and 100.0% among high school students.



### Current Electronic Cigarette Use (Past 30 Days)

Figure 3. Middle School Current Electronic Cigarette Use



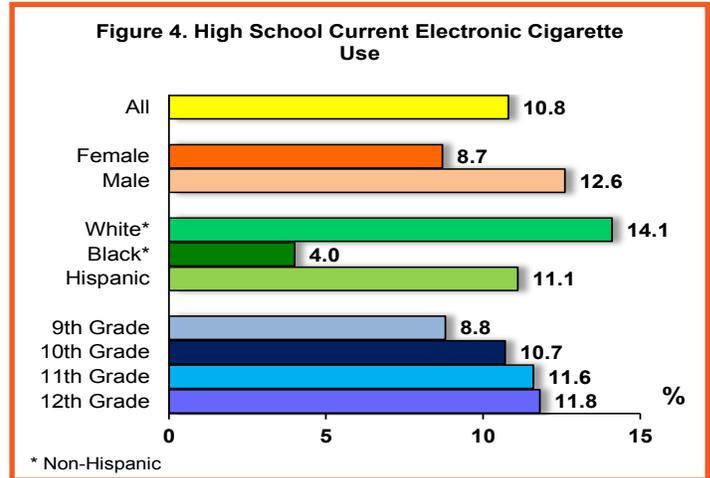
#### Middle School Current Electronic Cigarette Use

Overall, 4.0% of middle school students reported using an electronic cigarette at least once during the past 30 days (Figure 3). In 2014, current electronic cigarette use was not significantly different among sex or race/ethnic groups. This behavior increased significantly with grade level.

#### How Students Got Electronic Cigarettes

Among students who used electronic cigarettes, the majority of high school students (39.3%) and middle school students (50.4%) got electronic cigarettes some other way (Figure 5). High school students were significantly more likely to buy electronic cigarettes at a convenience store, supermarket, or gas station. Middle school students were significantly more likely to get electronic cigarettes from their parents or in some other way. There was not a significant difference among students who bought electronic cigarettes from another person or among students who bought them from the Internet.

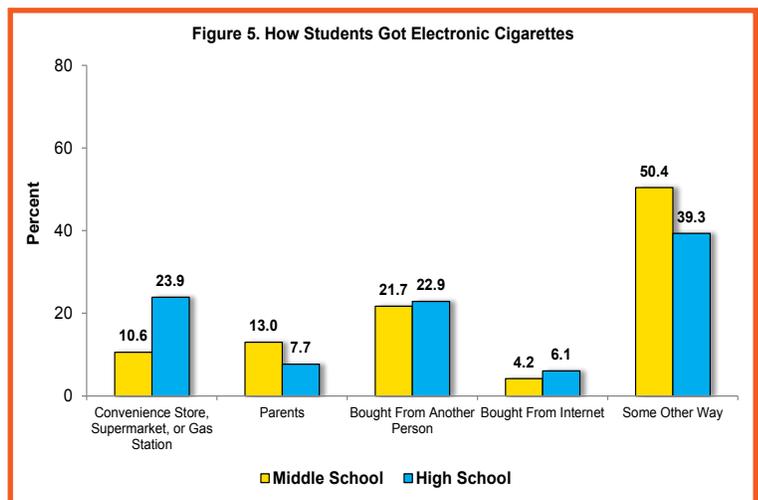
Figure 4. High School Current Electronic Cigarette Use



#### High School Current Electronic Cigarette Use

Overall, 10.8% of high school students reported using an electronic cigarette at least once during the past 30 days (Figure 4). In 2014, males were more likely to use an electronic cigarette than females. Non-Hispanic whites were significantly more likely to use an electronic cigarette than non-Hispanic blacks and Hispanics, and Hispanics were more likely to use an electronic cigarette than non-Hispanic blacks. Eleventh and twelfth graders were significantly more likely to use an electronic cigarette than tenth and ninth graders.

Figure 5. How Students Got Electronic Cigarettes



The prevalence estimates and 95% confidence intervals (95% CI) were calculated using SAS 9.3. The difference in prevalence between two different populations or between two different years is statistically significant if the 95% confidence intervals of the two prevalence estimates do not overlap. For more information about the FYTS, please contact the Chronic Disease Epidemiology, Surveillance, and Evaluation Section at (850) 245-4401. You can also visit our website at [www.floridahealth.gov/statistics-and-data/survey-data/fl-youth-tobacco-survey/index.html](http://www.floridahealth.gov/statistics-and-data/survey-data/fl-youth-tobacco-survey/index.html).