



Tobacco use highlights from the 2019 Ohio Youth Risk Behavior Survey/Youth Tobacco Survey

The Ohio Youth Risk Behavior Survey (YRBS)/Youth Tobacco Survey (YTS) monitors health risk behaviors that markedly contribute to the leading causes of death, disability, and social problems among youth in Ohio. Through valid sampling procedures, a representative sample of students at the state level is selected to complete the survey. Approximately 3,000 middle school (grades 6-8) and high school (grades 9-12) students participated in the 2019 YRBS/YTS.

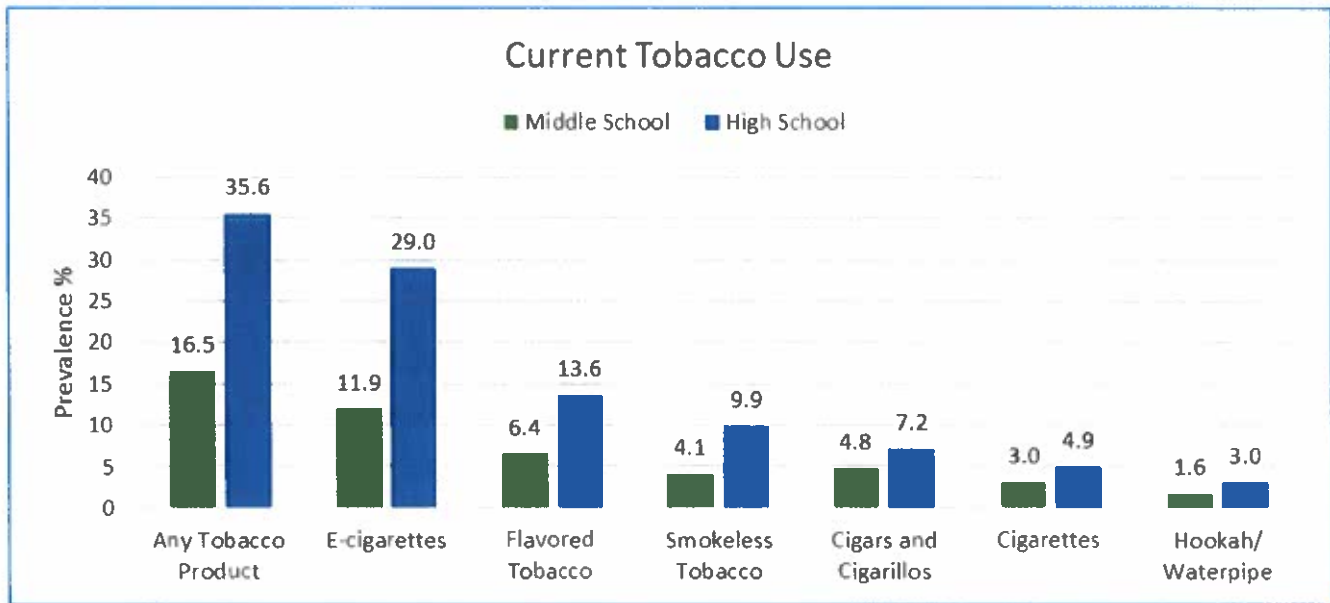
This report highlights patterns of tobacco product use among both middle school and high school students in Ohio. The data presented in this report represent estimates based on a weighted sample of the students who participated in the survey; therefore, these estimates may not be generalizable to all students in Ohio.

In this report, current use of any tobacco product is defined as use on at least one day in the 30 days prior to taking the survey. Any tobacco product includes the following products: cigarettes, e-cigarettes, flavored tobacco, smokeless tobacco, cigars and cigarillos, and hookahs and waterpipes. Use of tobacco products is not mutually exclusive; one student can report using more than one tobacco product. E-cigarettes include e-cigs, e-pipes, vape pipes, vaping pens, JUUL products, e-hookahs, and hookah pens (such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo).

Key Findings:

- Tobacco use among middle school and high school students in Ohio increased 88% from 2016 (16.1%) to 2019 (30.3%).
 - Middle school: 125% increase.
 - High school: 52% increase.
- E-cigarettes are the most commonly used tobacco product among both middle school and high school students in Ohio.
 - Middle school: 11.9% use e-cigarettes.
 - High school: 29.0% use e-cigarettes.
- The increase in tobacco and e-cigarette use among students in Ohio is consistent with national trends.
- Among high school students in Ohio who use e-cigarettes, 65.8% also use marijuana.
- The majority of both middle school and high school students in Ohio obtain e-cigarettes by borrowing them or taking them from friends or family.

Current Tobacco Use^a



Middle School

- In 2019, 16.5% of middle school students in Ohio reported current use of any tobacco product.
- The most commonly used tobacco product is e-cigarettes (11.9%).

High School

- In 2019, 35.6% of high school students in Ohio reported current use of any tobacco product.
- The most commonly used tobacco product is e-cigarettes (29.0%).
- 15.8% of students reported current use of marijuana (data not shown).

Profile of E-cigarette Users^a

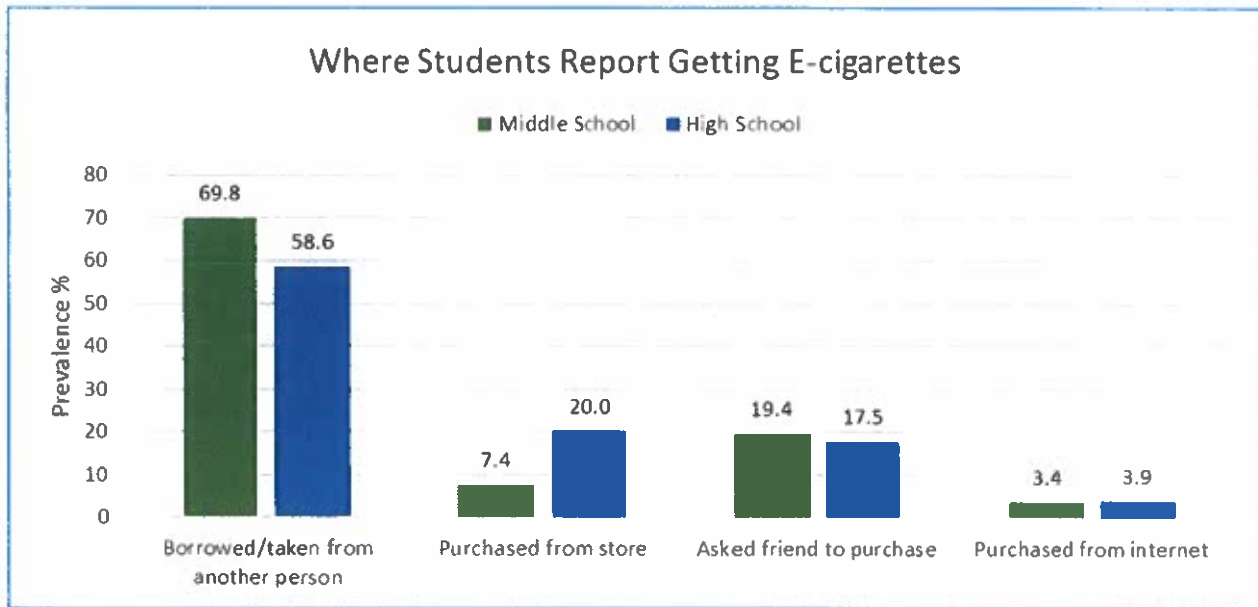
Middle School

- One in 10 (11.9%) middle school students in Ohio report current use of e-cigarettes, the majority of whom are JUUL users.
- Hispanic students have a higher prevalence of e-cigarette use (24.3%) compared with white (12.6%) and non-white (5.9%) students.
- 2.3% of students report dual use of cigarettes and e-cigarettes.

High School

- Three out of 10 (29.0%) high school students in Ohio report current use of e-cigarettes, the majority of whom are JUUL users.
- White students have a higher prevalence of e-cigarette use compared with non-white students (32.1% vs. 26.1%).
- 65.8% of students who report use of e-cigarettes also report use of marijuana.
- 3.4% of students report dual use of cigarettes and e-cigarettes.

Where Students Report Getting E-cigarettes



Middle School

- The majority of middle school students in Ohio (69.8%) get e-cigarettes from another person.
- The second most frequent source was asking a friend to purchase (19.4%).

High School

- The majority of high school students in Ohio (58.6%) report getting e-cigarettes from another person.
- The second most frequent source was purchasing from a store (20.0%).

Ohio and National Prevalence (%)^{a,b,c,d}

Middle School: Current Tobacco Use, Ohio and the United States, 2016 and 2019

Ohio Youth Risk Behavior Survey/Youth Tobacco Survey	2016	2019	Change
Any tobacco product	7.3	16.5	↑
Two or more tobacco products	4.2	9.6	↑
E-cigarette	2.8	11.9	↑
Cigarette	1.0	3.0	↑
National Youth Tobacco Survey	2016	2019	Change
Any tobacco product	7.2	12.5	↑
Two or more tobacco products	3.1	4.0	↑
E-cigarette	4.3	10.5	↑
Cigarette	2.2	3.1	↑

- Current tobacco use among middle school students in Ohio increased 125% from 2016 to 2019; this increase is largely driven by the increase in e-cigarette use and is consistent with national trends.
- The use of e-cigarettes is more than four times higher in 2019 compared with 2016 in Ohio.
- Cigarette use also increased from 2016 to 2019 in both Ohio and the United States.

High School: Current Tobacco Use, Ohio and the United States, 2016 and 2019

Ohio Youth Risk Behavior Survey/Youth Tobacco Survey	2016	2019	Change
Any tobacco product	23.4	35.6	↑
Two or more tobacco products	15.8	21.4	↑
E-cigarette	10.5	29.0	↑
Cigarette	8.4	4.9	↓
National Youth Tobacco Survey	2016	2019	Change
Any tobacco product	20.0	31.2	↑
Two or more tobacco products	9.6	21.8	↑
E-cigarette	11.3	27.5	↑
Cigarette	8.0	5.8	↓

- Current tobacco use among high school students in Ohio increased 52% from 2016 to 2019; this increase is largely driven by the increase in use of e-cigarettes and is consistent with national trends.
- Use of e-cigarettes is nearly three times higher in 2019 compared with 2016 in Ohio.
- Cigarette use decreased from 2016 to 2019 in both Ohio and the United States.

Data Sources

- ^a 2019 Ohio Youth Risk Behavior Survey/Youth Tobacco Survey.
- ^b 2016 Ohio Youth Tobacco Survey.
- ^c 2016 National Youth Tobacco Survey.
- ^d 2019 National Youth Tobacco Survey.