



Tobacco Use in Delaware

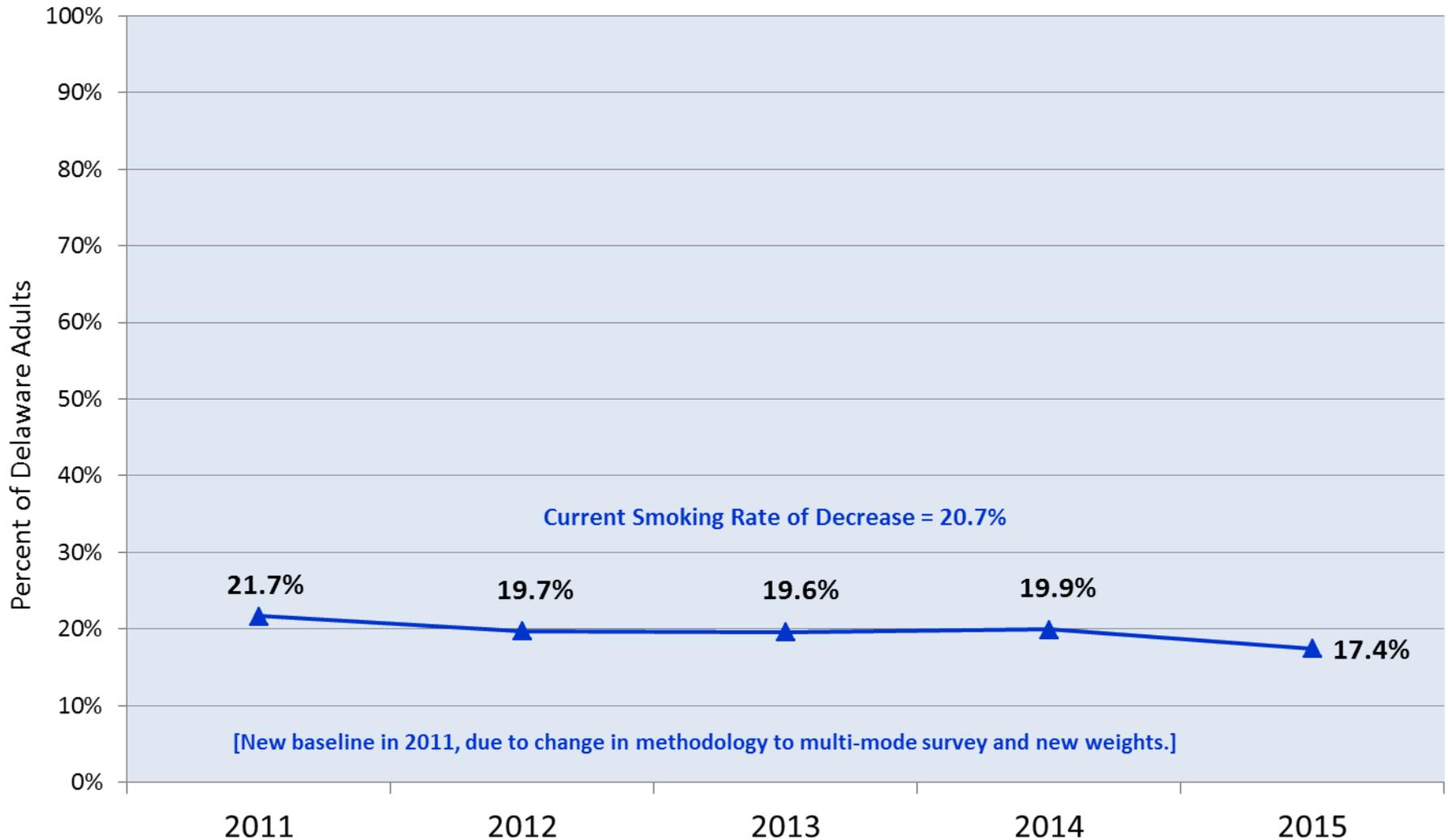
Summary of 2015 BRFSS and YRBS
Data



Delaware Behavioral Risk Factor Survey (BRFS)

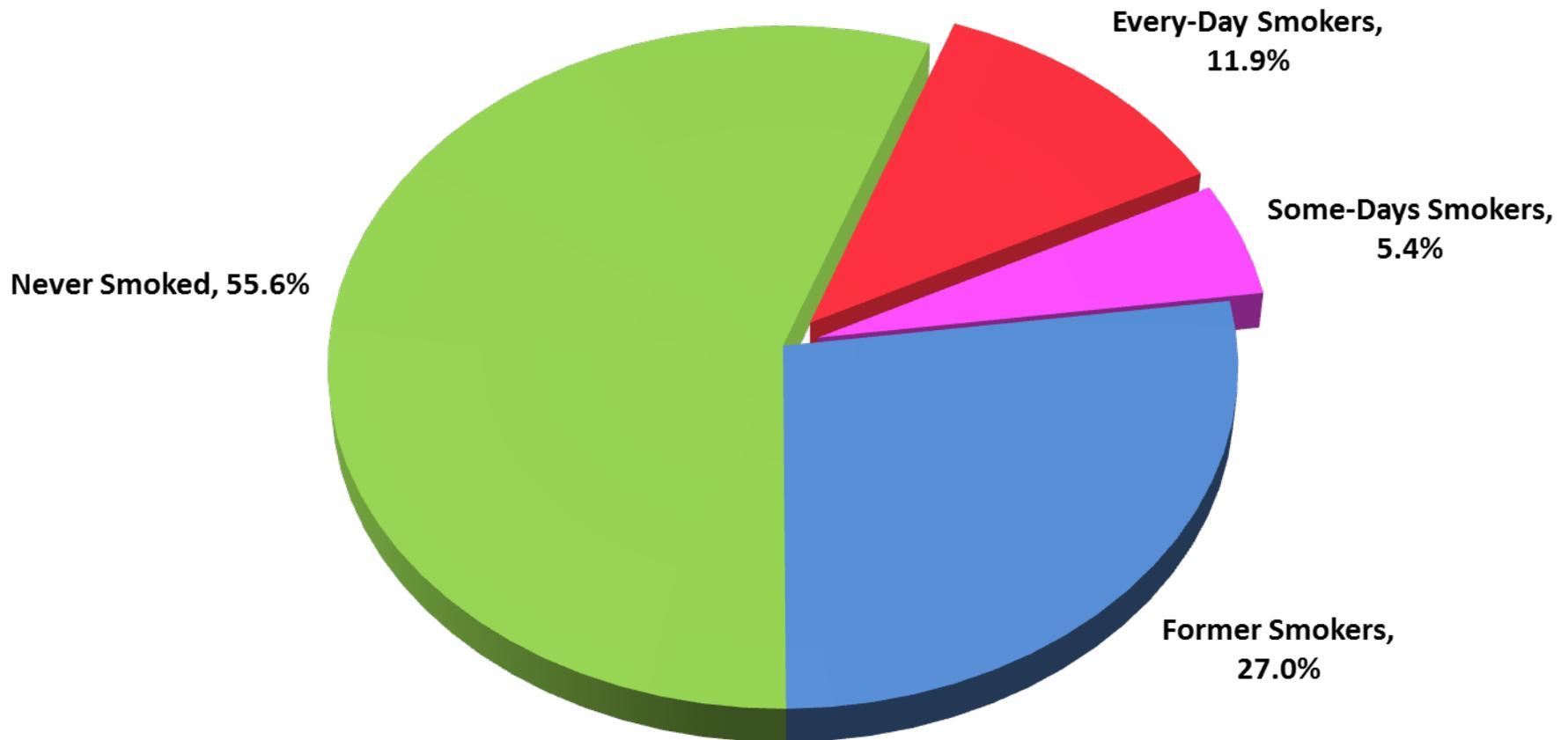
ADULT TOBACCO USE PREVALENCE 2015

Delaware Adult Cigarette Smoking Prevalence, 2011-2015



Source: Delaware Health & Social Services, Division of Public Health, Behavioral Risk Factor Survey (BRFS), 2011-2015.

Cigarette Smoking Among Delaware Adults, 2015

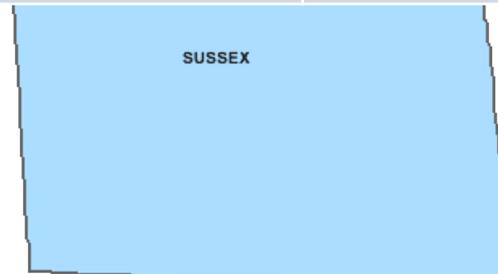


Source: Delaware Health & Social Services, Division of Public Health, Behavioral Risk Factor Survey (BRFS), 2015.

Current Adult Cigarette Smoking Prevalence by County, 2015



	Statewide	New Castle Co.	Kent County	Sussex County
Current Smokers	17.4% (15.6 - 19.1)	15.7% (13 - 18.4)	19.6% (16.7 - 22.6)	19.7% (16.9 - 22.5)



14.2%
of
women

20.9%
of
men

**Who's
smoking?**

**Age of current
smokers**

15.3%
of
adults
18-24

22.2%
of adults
25-34

21.7%
of adults
45-64

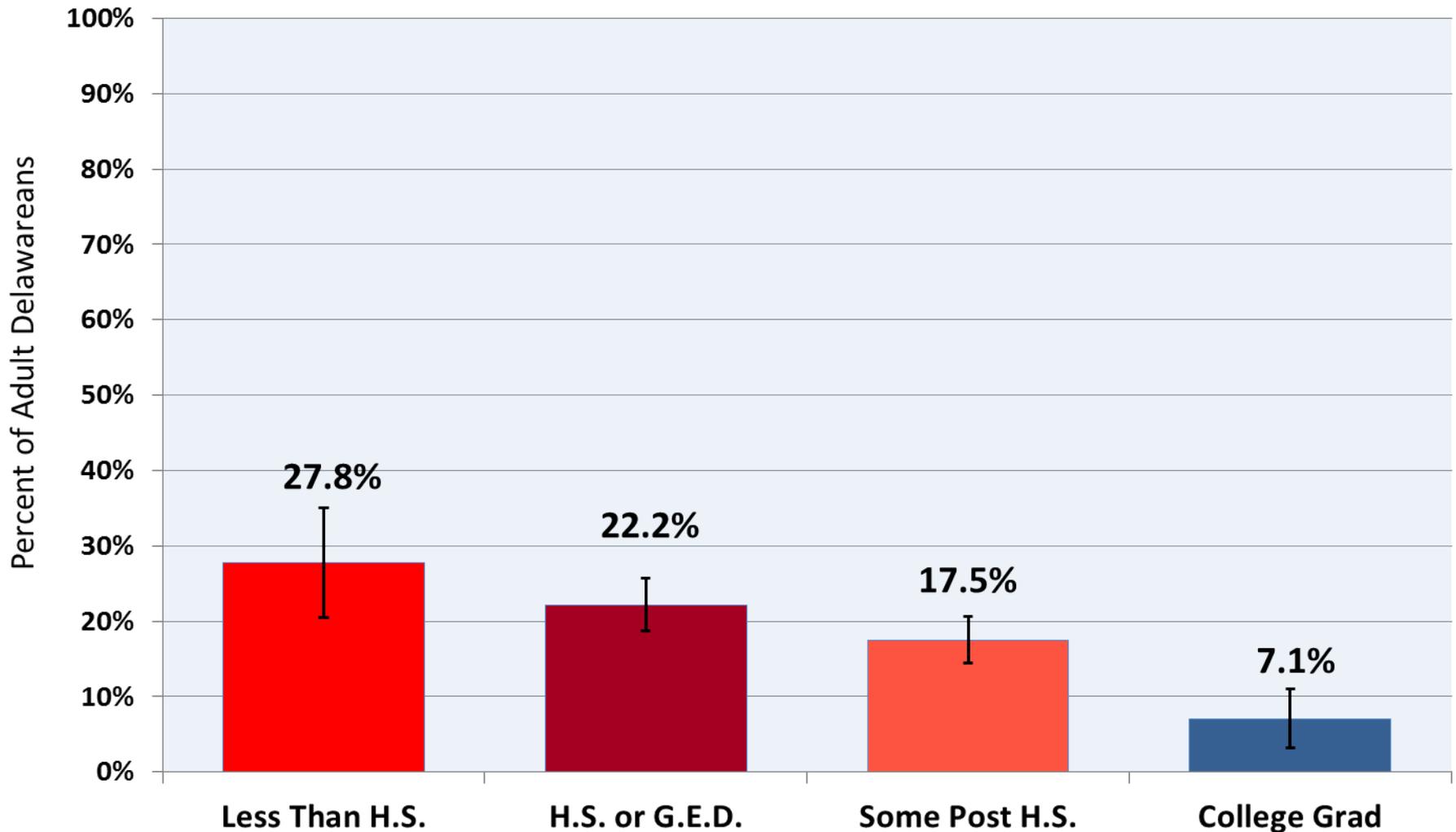
8.8%
of
adults
>65

Who Are At Risk From Smoking?

- There is **no statistically significant difference** in adult cigarette smoking prevalence **by race or ethnicity** in Delaware.
- The highest smoking prevalence is among adults with less than a \$15,000 per year income (**32.1%**).
- The lowest smoking prevalence is among adults with a college education or higher.



Adult Cigarette Smoking Prevalence In Delaware by Educational Level, 2015



Source: Delaware Health & Social Services, Division of Public Health, Behavioral Risk Factor Survey (BRFS), 2015.

Who Are At Risk From Smoking?

- Among adults reporting a significant number of **bad mental health** days each month, **29.9%** are smokers (compared to 17.1% of adults who report good mental health.)
- **28.2%** of adults who report diagnosed **depressive disorders** smoke cigarettes (vs. 15% of those without depression). **35%** of adults with diagnosed depression use some form of tobacco (vs. 22%).
- **26%** of adults with **disabilities** smoke, compared to **14.8%** of adults without disabilities.



In 2015, slightly < 5% of Delaware adults said they currently use e-cigarettes. This is statistically unchanged from 2014.*

There is no way, at this time, to know whether the decline in adult cigarette smoking is related to e-cigarette use.

Source: Delaware Health & Social Services, Division of Public Health, Behavioral Risk Factor Survey (BRFS), 2014-2015.

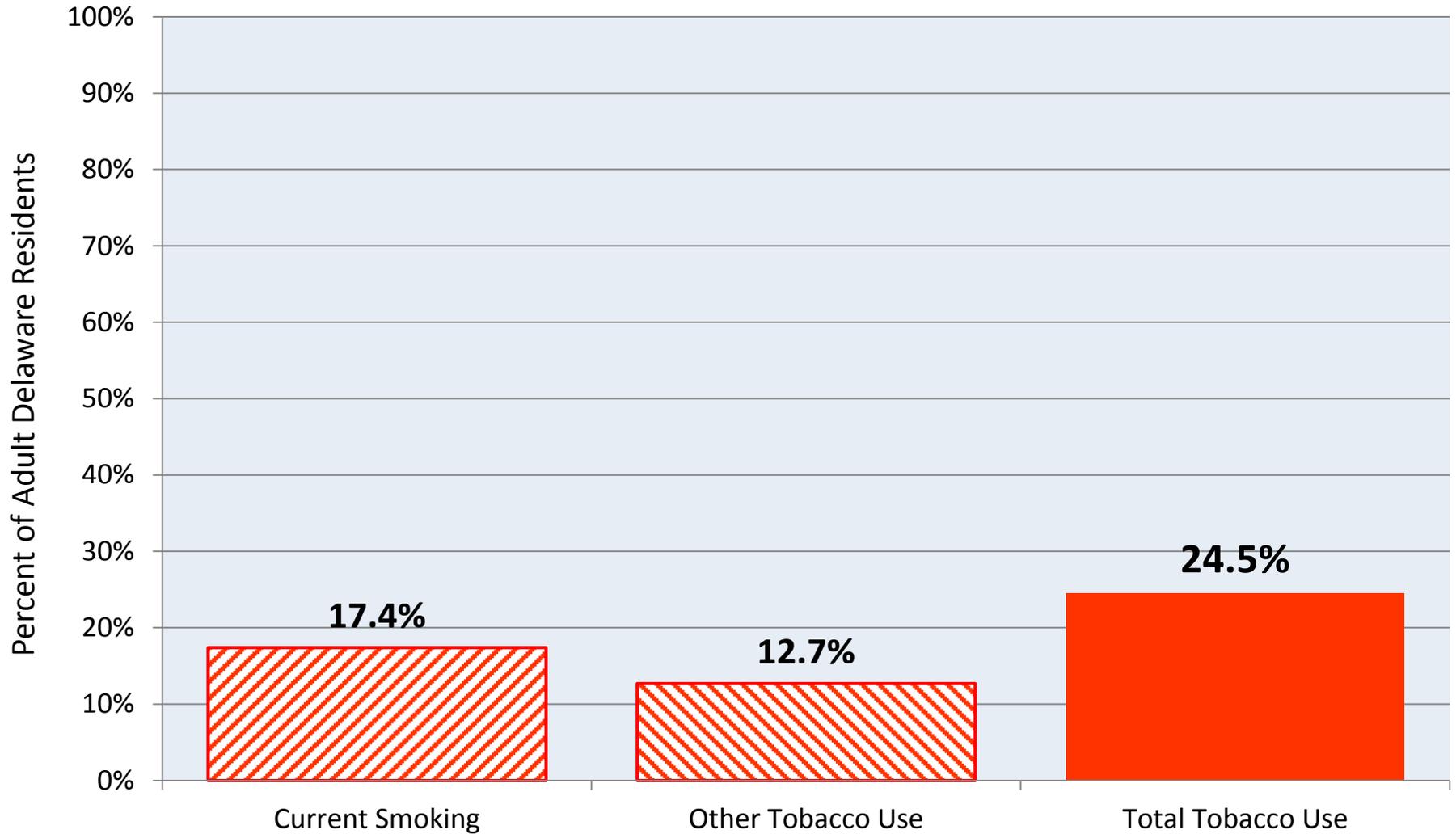
* In 2014, the prevalence was 4.5% according to the DPH Tobacco Attitudes and Media Survey.

Total Tobacco Use Among Delaware Adults, 2015

- About **4.6% of adult Delaware men** report using smokeless tobacco. Users are more likely to be young and white.
- While 17.4% of Delaware adults smoke cigarettes, the **total tobacco use prevalence is actually 24.5%**.
 - This includes use of cigarettes, smokeless tobacco, cigars & little cigars, e-cigarettes, hookahs, and other tobacco products.



Delaware Adult Smoking, Other Tobacco Use, & Total Tobacco Use, 2015



Source: Delaware Health & Social Services, Division of Public Health, Behavioral Risk Factor Survey (BRFS), 2015



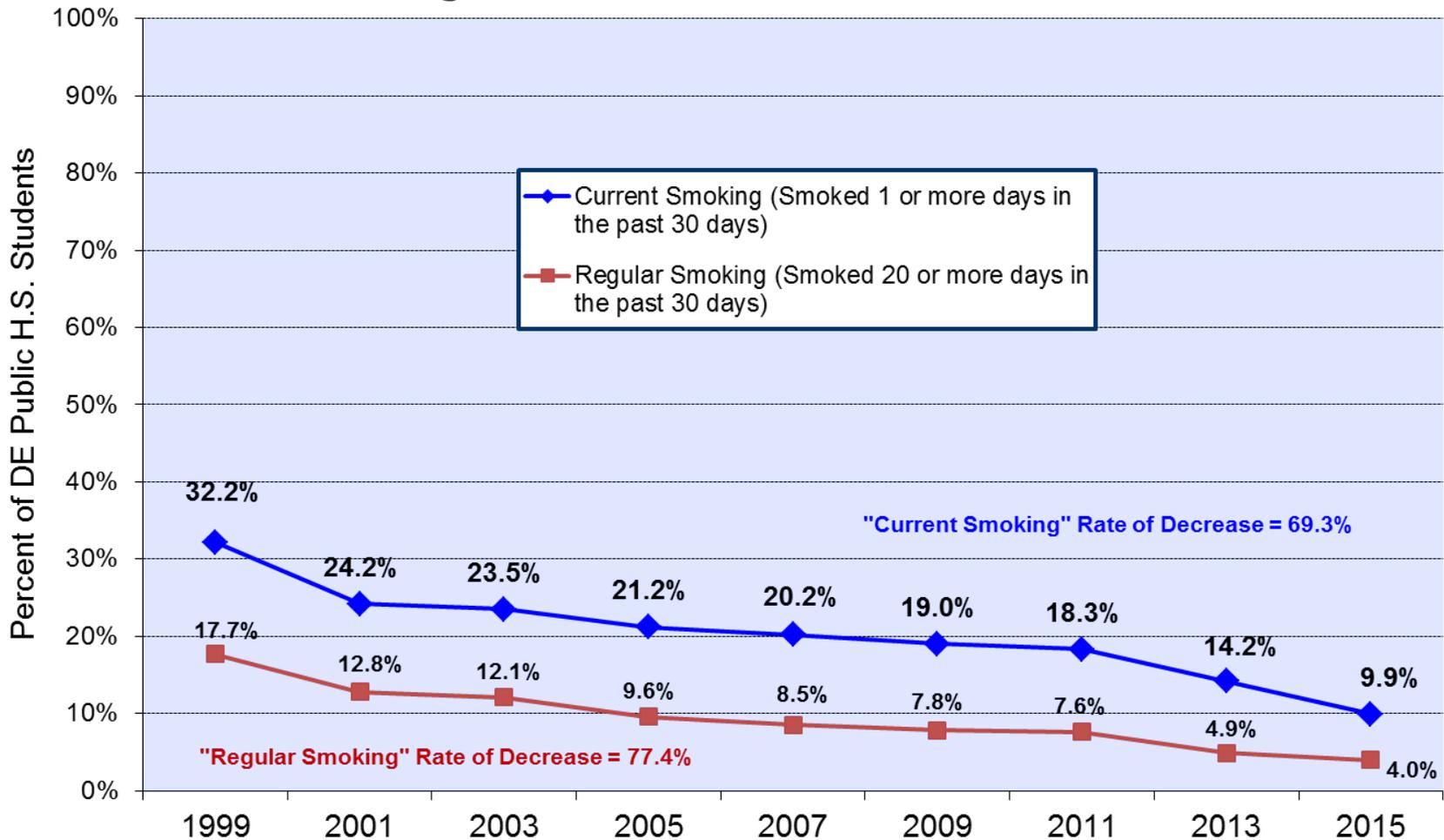
Youth Risk Behavior Survey 2015

YOUTH TOBACCO USE DATA



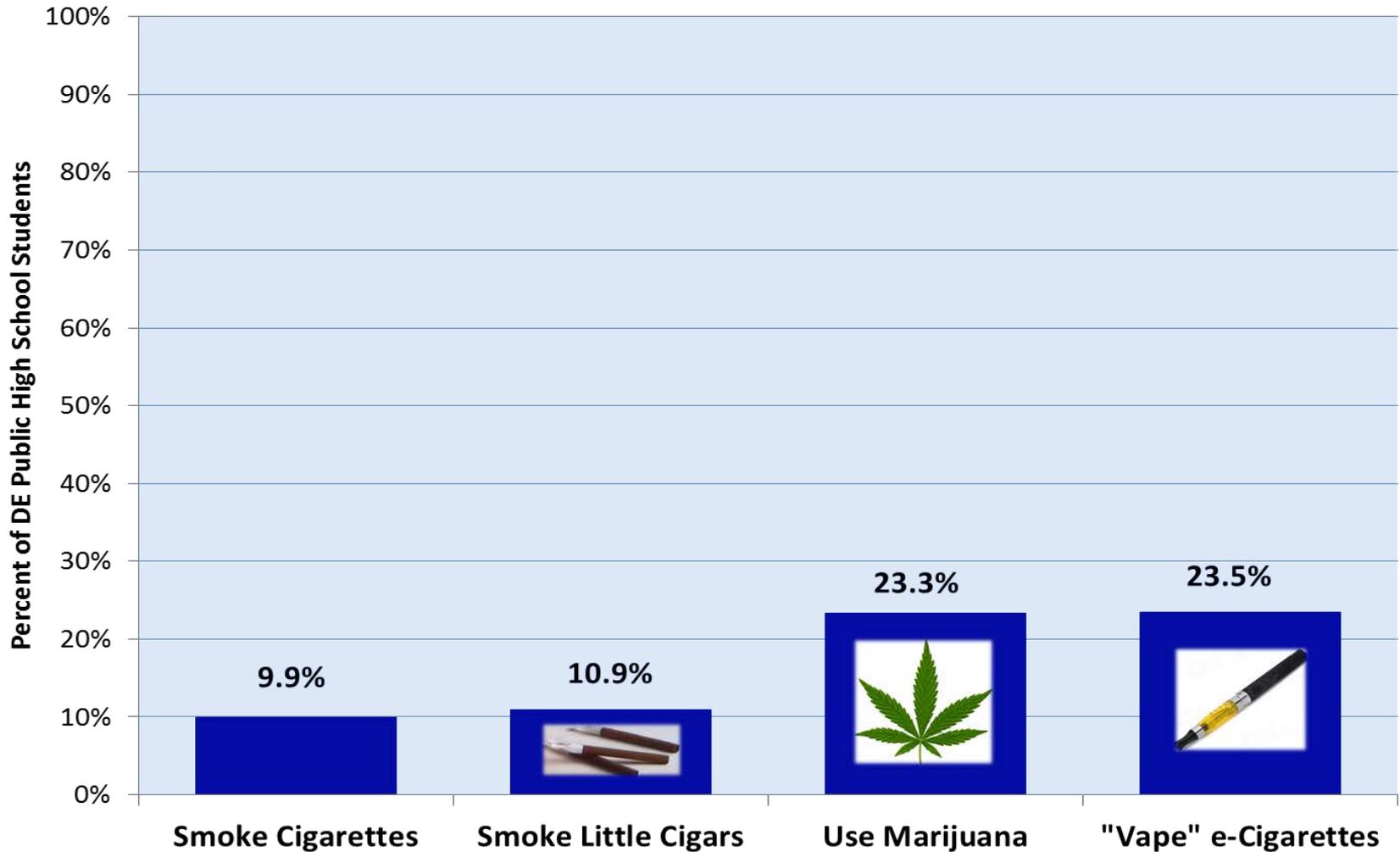
- The Youth Risk Behavior Survey (YRBS) is administered in odd-numbered years.
- It samples from 42 schools, including regular public schools, charter schools, alternative, and vocational schools. [Private schools are *not* included.]
- The 2015 sample size was 2,777 students.
- The response rate was 86%.
- Data are weighted to reflect the likelihood of sampling each student and to reduce bias by compensating for patterns of nonresponse.

Prevalence of Current Cigarette Smoking Decreased Steadily Among Delaware H.S. Students from 1999-2015



Sources: CDC/DOE, Youth Risk Behavior Survey (YRBS), 1999-2015

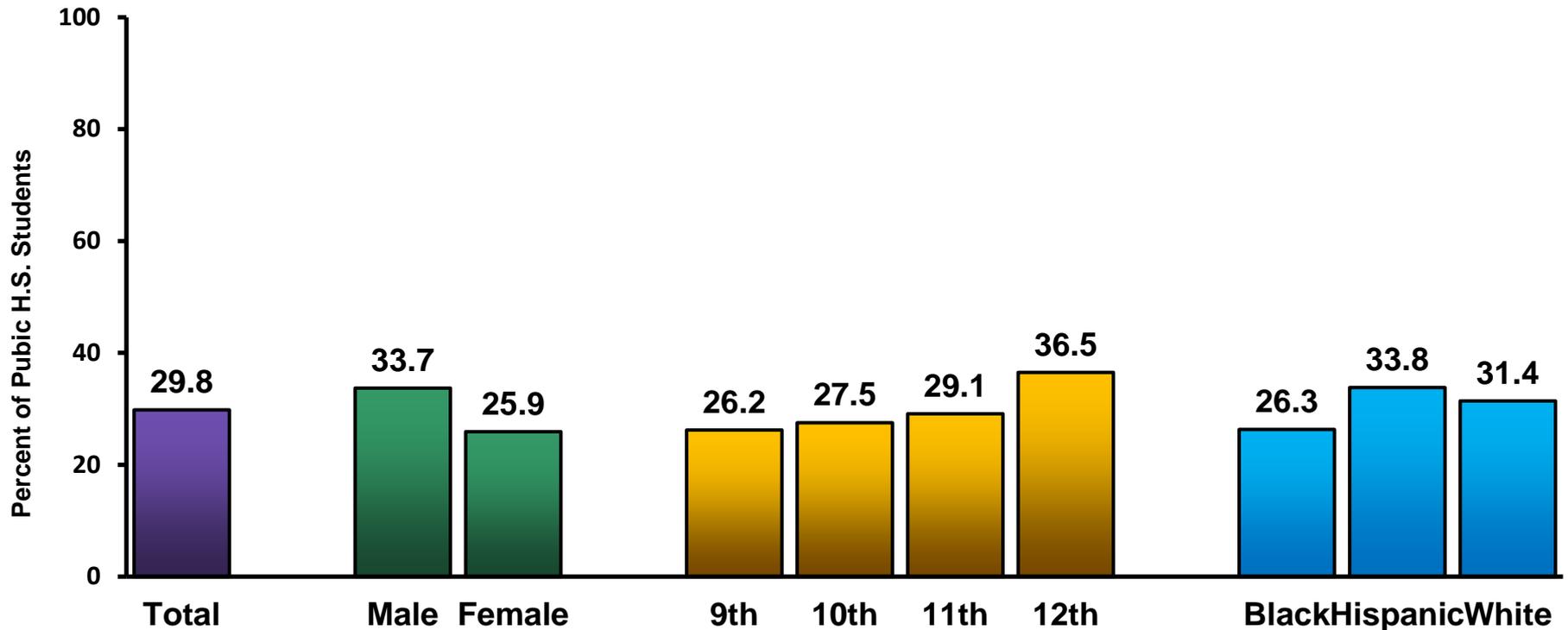
Cigarette Smoking Prevalence Compared to Other Products, Delaware H.S. Students, 2015



Source: Delaware Health & Social Services, Division of Public Health, Youth Risk Behavior Survey (YRBS), 2015.

* "Current Use" is defined as any use during the past month.

Percentage of High School Students Who “Currently Use” Any Tobacco,* by Gender, Grade, and Race/Ethnicity, 2015



*Current cigarette, smokeless tobacco, cigar, or electronic vapor product use on at least 1 day during the 30 days before the survey

e-Cigarettes & Vapor Products

- **40.5%** of public high school students have tried e-cigarettes
 - Question: Have you *ever* used an electronic vapor product, such as blu, NJOY, or Starbuzz. [Electronic vapor products include e-cigarettes, e-cigars, vape pipes, vaping pens, e-hookahs, and hookah pens.]
- This compares to **44.9%** of public high school students nationally.*

Source: Delaware Health & Social Services, Division of Public Health, Youth Risk Behavior Survey (YRBS), 2015.

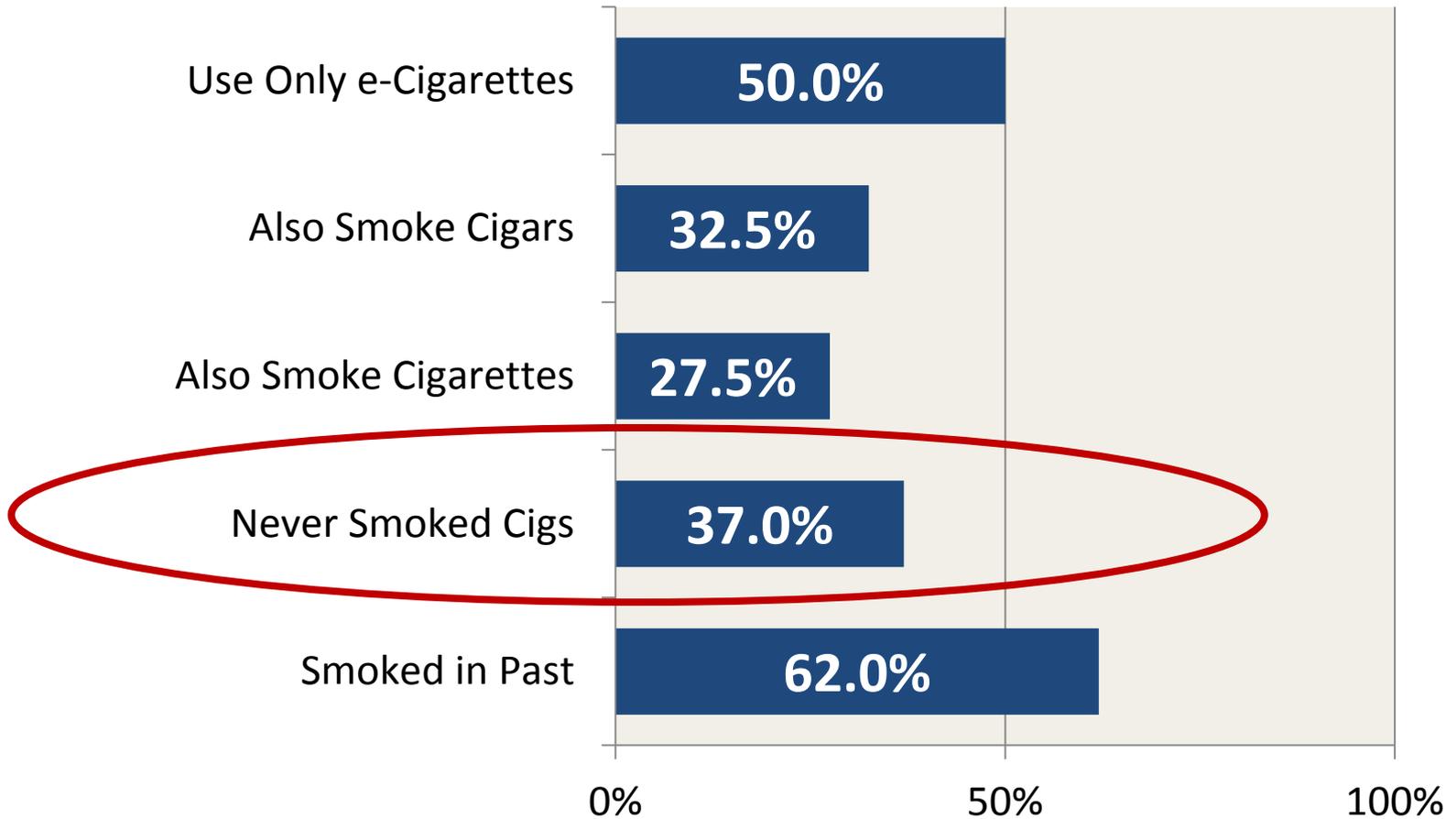
*National data from the U.S. Centers for Disease Control and Prevention (CDC).

2.3% of high school students use e-cigarettes daily.

- **23.5%** of Delaware high school students used e-cigarettes during the past 30 days.
 - Compared to **24.1%** of high school students nationally.

E-Cigarettes are attracting new tobacco users.

Of DE students who use e-cigarettes . . .



Source: Delaware Health & Social Services, Division of Public Health, Youth Risk Behavior Survey (YRBS), 2015.

Who are vaping e-cigarettes?



- Male H.S. students are more likely to be current users of e-cigarettes (**26.8%**) than are females (**20.2%**).
- There is no statistically significant difference by grade level, although use is slightly higher among juniors and seniors.
- Hispanic/Latino (**26.5%**) and white (**26.4%**) prevalence of electronic cigarette use is higher than black students' use (**18.7%**)
- Gay, lesbian or bisexual students are more likely to have tried e-cigarettes, but there is no difference in current use.

14.7% = public high school students who smoke e-cigarettes *and* who report high academic performance (mostly As)

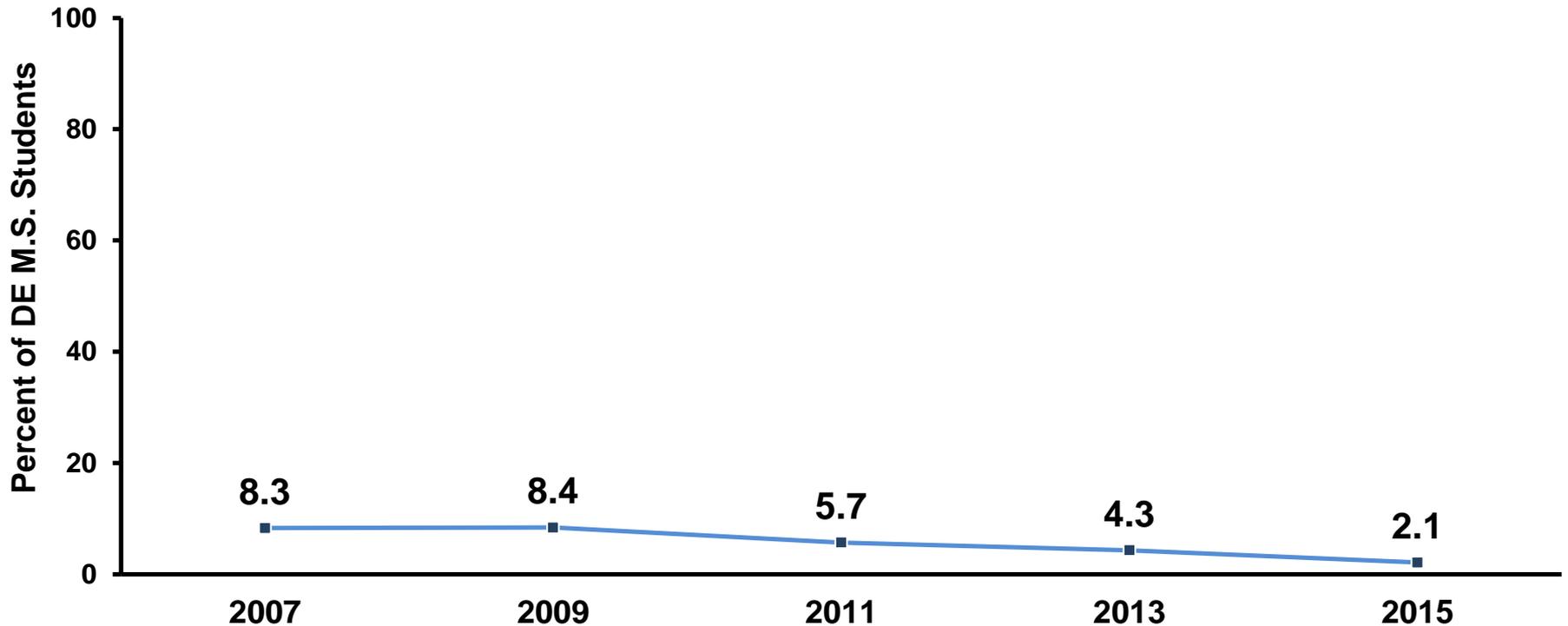
54.7% = public high school students who smoke e-cigarettes *and* who report mostly Ds and Fs.



Middle School YRBS

DATA FROM PUBLIC MIDDLE SCHOOL STUDENTS

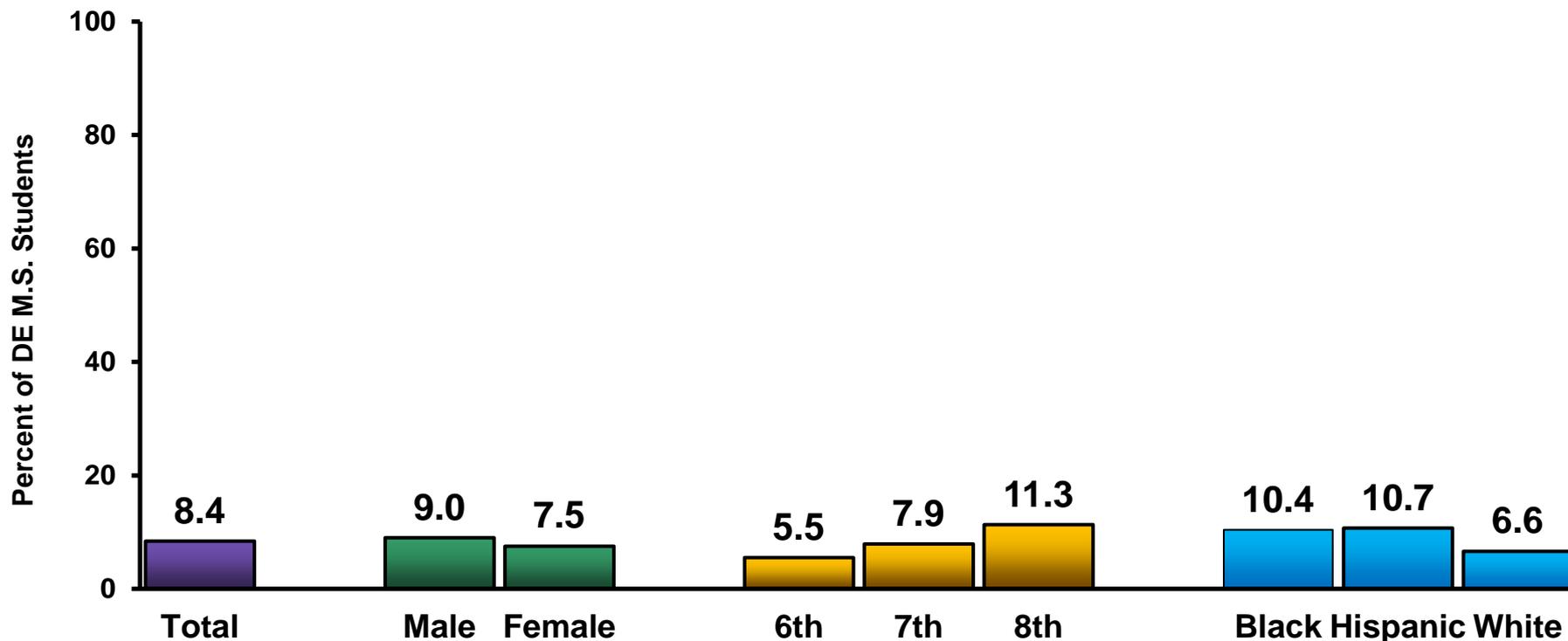
Percentage of Delaware Middle School Students Who “Currently Smoke” Regular Cigarettes,* 2007-2015



*On at least 1 day during the 30 days before the survey

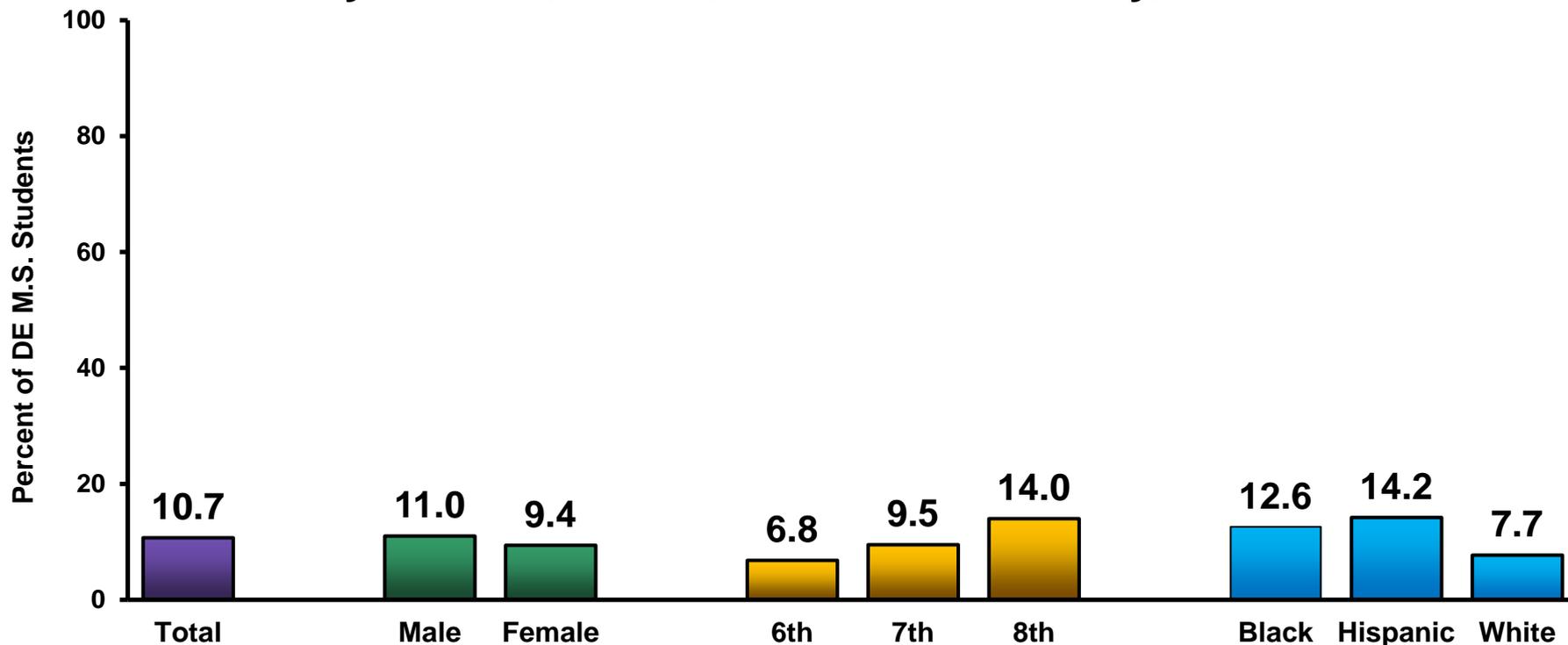
†Decreased 2007-2015 [Based on linear trend analyses using logistic regression models controlling for sex, race/ethnicity, and grade ($p < 0.05$).]

Percentage of Middle School Students Who “Currently Use” Electronic Vapor Products,* by Gender, Grade, and Race/Ethnicity, 2015



*Use of e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens, (including blu, NJOY, or Starbuzz) during the 30 days before the survey

Percentage of Middle School Students Who “Currently Use” Any Tobacco Products,* by Gender, Grade, and Race/Ethnicity, 2015



*Current cigarette, smokeless tobacco, cigar, or electronic vapor product use during the 30 days before the survey



For more information, contact

The Office of Health Education

Behavioral Survey Coordinator (BRFS/YRBS)

Division of Public Health

Thomas Collins Bldg., 540 S. DuPont Highway

Dover, DE 19901

<http://dhss.delaware.gov/dph/dpc/brfsurveys.html>



DELAWARE HEALTH AND SOCIAL SERVICES

Division of Public Health

Health Promotion and Disease Prevention