Tobacco Use in Delaware

Summary of 2015 BRFS and YRBS Data
Delaware Behavioral Risk Factor Survey (BRFS)

ADULT TOBACCO USE PREVALENCE
2015
Delaware Adult Cigarette Smoking Prevalence, 2011-2015

Current Smoking Rate of Decrease = 20.7%

21.7% 19.7% 19.6% 19.9% 17.4%

[New baseline in 2011, due to change in methodology to multi-mode survey and new weights.]

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

- Never Smoked, 55.6%
- Former Smokers, 27.0%
- Some-Days Smokers, 5.4%
- Every-Day Smokers, 11.9%

Source: Delaware Health & Social Services, Division of Public Health, Behavioral Risk Factor Survey (BRFS), 2015.
Current Adult Cigarette Smoking Prevalence by County, 2015

<table>
<thead>
<tr>
<th></th>
<th>Statewide</th>
<th>New Castle Co.</th>
<th>Kent County</th>
<th>Sussex County</th>
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<tbody>
<tr>
<td><strong>Current Smokers</strong></td>
<td>17.4%</td>
<td>15.7%</td>
<td>19.6%</td>
<td>19.7%</td>
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<td>(15.6 - 19.1)</td>
<td>(13 - 18.4)</td>
<td>(16.7 - 22.6)</td>
<td>(16.9 - 22.5)</td>
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Who's smoking?

14.2% of women
20.9% of men

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.*

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

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.
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

- Current Smoking: 17.4%
- Other Tobacco Use: 12.7%
- Total Tobacco Use: 24.5%

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

"Current Smoking" Rate of Decrease = 69.3%

"Regular Smoking" Rate of Decrease = 77.4%

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

Source: DHSS, Division of Public Health, Youth Risk Behavior Survey (YRBS), 2015.
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.

Source: Delaware Health & Social Services, Division of Public Health, Youth Risk Behavior Survey (YRBS), 2015.
E-Cigarettes are attracting new tobacco users.

Of DE students who use e-cigarettes . . .

- **Use Only e-Cigarettes**: 50.0%
- **Also Smoke Cigars**: 32.5%
- **Also Smoke Cigarettes**: 27.5%
- **Never Smoked Cigs**: 37.0%
- **Smoked in Past**: 62.0%

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.

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

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

Source: DHSS, DPH (funded by Nemours HPS), Middle School Youth Risk Behavior Survey (MYRBS), 2015.
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

Source: DHSS, DPH (funded by Nemours HPS), Middle School Youth Risk Behavior Survey (MYRBS), 2015.
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

Source: DHSS, DPH (funded by Nemours HPS), Middle School Youth Risk Behavior Survey (MYRBS), 2015.
For more information, contact

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