28% of high school youth and 6% of middle school youth have tried an electronic cigarette (e-cigarette) or other electronic vapor product.

E-cigarettes create a vapor by heating a liquid that may contain nicotine, flavors, and other chemicals.*

This process is commonly known as vaping or juuling.†

More males than females have tried e-cigarettes.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>Middle</td>
<td>7%</td>
<td>4%</td>
</tr>
<tr>
<td>High School</td>
<td>31%</td>
<td>24%</td>
</tr>
</tbody>
</table>

E-cigarette use increases substantially by grade.

<table>
<thead>
<tr>
<th>Grade</th>
<th>7th</th>
<th>8th</th>
<th>9th</th>
<th>10th</th>
<th>11th</th>
<th>12th</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent of students (lifetime)</td>
<td>3%</td>
<td>8%</td>
<td>9%</td>
<td>17%</td>
<td>24%</td>
<td>34%</td>
</tr>
<tr>
<td>Percent of students (current)</td>
<td>1%</td>
<td>4%</td>
<td>9%</td>
<td>13%</td>
<td>18%</td>
<td>19%</td>
</tr>
</tbody>
</table>

E-cigarette users are more likely to use other substances than nonusers.

Among high school youth who currently use e-cigarettes:

- Smoke conventional cigarettes: 23%
- Drink alcohol: 76%
- Use marijuana: 65%

Among high school youth who do not use e-cigarettes:

- Smoke conventional cigarettes: 2%
- Drink alcohol: 24%
- Use marijuana: 11%

52% of all high school youth perceive little or no risk of e-cigarettes.

These youth are 4.1 times more likely to use e-cigarettes than those who perceive moderate or great risk.

Risks of e-cigarette use include nicotine addiction and exposure to other harmful chemicals. These risks are even greater for youth than adults because of their early stage of brain development.*

---


† Juuling refers to the use of the specific JUUL brand of e-cigarettes, which currently make up over 50% of the e-cigarette market (Nielsen Total US xADC/Convenience Database & Wells Fargo Securities, LLC, 2018)