### 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

**Montana High School Survey**  
Trend Analysis Report

<table>
<thead>
<tr>
<th>Total Tobacco Use</th>
<th>Health Risk Behavior and Percentages</th>
<th>Linear Change¹</th>
<th>Quadratic Change²</th>
<th>Change from 2015-2017 ³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| QN30: Percentage of students who ever tried cigarette smoking (even one or two puffs) | 69.7 72.8 73.4 70.3 66.5 61.0 55.4 52.1 50.0 44.0 41.1 39.1 33.9 | Decreased, 1993-2017 | No change, 1993-1999  
Decreased, 1999-2017 | Decreased |
| QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey) | 30.7 34.8 38.1 35.0 28.5 22.9 20.1 20.0 18.7 16.5 15.2 13.1 12.1 | Decreased, 1993-2017 | Increased, 1993-1997  
Decreased, 1997-2017 | No change |
| QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey) | 12.7 16.8 19.3 18.0 14.9 10.8 8.8 8.1 7.9 6.4 5.5 3.6 3.1 | Decreased, 1993-2017 | Increased, 1993-1997  
Decreased, 1997-2017 | No change |
| QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) | 9.0 11.7 13.8 13.0 10.6 7.9 5.9 5.2 5.9 4.7 3.7 2.2 2.1 | Decreased, 1993-2017 | Increased, 1993-1997  
Decreased, 1997-2017 | No change |

¹Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.
²Based on t-test analysis, p < 0.05.
### Health Risk Behavior and Percentages

<table>
<thead>
<tr>
<th>Year</th>
<th>1991</th>
<th>1993</th>
<th>1995</th>
<th>1997</th>
<th>1999</th>
<th>2001</th>
<th>2003</th>
<th>2005</th>
<th>2007</th>
<th>2009</th>
<th>2011</th>
<th>2013</th>
<th>2015</th>
<th>2017</th>
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- **QN33**: Percentage of students who smoked more than 10 cigarettes per day (on the days they smoked during the 30 days before the survey, among students who currently smoked cigarettes)
  - 11.8 13.2 12.1 11.5 12.6 10.8 7.7 7.7 4.0 6.9 5.7 5.5 4.6 Decreased, 1993-2017
  - No change, 1993-2001
  - Decreased, 2001-2017
  - No change

- **QN34**: Percentage of students who ever used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJoy, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo])
  - 51.1 46.6 Decreased, 2015-2017
  - Not available
  - Decreased

- **QN35**: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJoy, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey)
  - 29.5 22.5 Decreased, 2015-2017
  - Not available
  - Decreased

- **QN38**: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)
  - 20.4 14.8 14.1 17.6 15.5 17.8 16.1 15.8 12.6 12.9 Decreased, 1999-2017
  - No quadratic change
  - No change

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*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

*Based on t-test analysis, p < 0.05.

*Not enough years of data to calculate.
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<td></td>
<td></td>
</tr>
<tr>
<td>QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)</td>
<td>41.9 35.2 28.6 28.9 27.3 28.2 25.2 23.6 20.1 17.9 Decreased, 1999-2017</td>
<td>No quadratic change</td>
<td>No change</td>
<td></td>
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</tbody>
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*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, \( p < 0.05 \).

\(^\dagger\)Based on t-test analysis, \( p < 0.05 \).