

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Montana High School Survey
Trend Analysis Report

| Total Tobacco Use | Health Risk Behavior and Percentages | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2015-2017† | | | |
|--|--------------------------------------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------|----------------------|--|-----------|
| | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | | | | 2011 | 2013 | 2015 |
| 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 |
| QNFR3IG: 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 |
| QNDA3Y3IG: 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 |

*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.

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|---|--------------------------------------|------|------|------|------|------|------|------|------|------|----------------|-------------------|-------------------------|------|----------------------|--|-----------|
| | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | | | |
| 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 | 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]) | | | | | | | | | | | | | | | 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) | | | | | | | | | | | | | | | 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) | | | | | | | | | | | | | | | Decreased, 1999-2017 | No quadratic change | No change |

*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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|--|------------|--------------------------------------|------|------|------|------|------|------|------|------|------|----------------------|-------------------|-------------------------|-----------|--|--|--|
| Year | Percentage | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | | | |
| QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | | |
| | 41.9 | 35.2 | 28.6 | 28.6 | 28.9 | 27.3 | 28.2 | 25.2 | 23.6 | 20.1 | 17.9 | Decreased, 1999-2017 | | No quadratic change | No change | | | |

*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.