

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

**Total
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN9: Percentage of students who rode with a driver who had been drinking alcohol (in a car or other vehicle, one or more times during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 18.5 | 18.0 | 13.3 | 13.4 | Decreased, 2013-2018 | Not available [§] | No change |
| QN10: Percentage of students who drove a car or other vehicle when they had been drinking alcohol (one or more times during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 8.6 | 5.4 | 5.7 | 4.3 | Decreased, 2013-2018 | Not available | 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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Trend Analysis Report

**Total
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|---------------------------------------|------|----------------------|--|--|----------------------------|--|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | | |
| QN11: Percentage of students who texted or e-mailed while driving a car or other vehicle (on at least 1 day during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey) | | | | | | | | | | | | | | | 41.3 | 32.3 | 34.9 | 32.7 | Decreased, 2013-2018 | | | Not available [§] | | | No change |
| QN13: Percentage of students who carried a weapon on school property (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | 4.3 | 2.5 | 5.3 | 3.6 | No linear change | | | Not available | | | Decreased |
| QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey) | | | | | | | | | | | | | | | | | 4.5 | 3.2 | Decreased, 2016-2018 | | | Not available | | | No change |

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[†]Based on t-test analysis, $p < 0.05$.

[§]Not enough years of data to calculate.

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**Total
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|---------------------------------------|------|----------------------|--|--|--|----------------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | | |
| QN16: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | 8.8 | 5.5 | 6.1 | 7.7 | No linear change | | | | Not available [§] | | Increased |
| QN18: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | 11.3 | 6.9 | 7.0 | 7.2 | Decreased, 2013-2018 | | | | Not available | | No change |
| QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | | 10.8 | 8.4 | 7.6 | 10.0 | No linear change | | | | Not available | | Increased |

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[§]Not enough years of data to calculate.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report

**Total
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|---------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 26.8 | 23.7 | 26.1 | 25.5 | No linear change | Not available [§] | No change |
| QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media, ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 19.2 | 18.6 | 20.2 | 19.1 | No linear change | Not available | No change |
| QN25: Percentage of students who felt sad or hopeless (almost every day for >=2 weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 24.6 | 25.8 | 28.2 | 28.6 | Increased, 2013-2018 | Not available | No change |

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[§]Not enough years of data to calculate.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report

Total
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| | | | | | | | | | | | 15.4 | 15.8 | 17.0 | 17.5 | | | |
| QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey) | | | | | | | | | | | | | | Increased, 2013-2018 | Not available | No change | |
| | | | | | | | | | | | 10.8 | 11.5 | 12.6 | 14.0 | | | |

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2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Total Tobacco Use | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------------------|----------------------------|------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available [§] | Decreased |
| | | | | | | | | | | | 13.6 | 9.5 | 9.0 | 5.8 | | | | |
| QNFRSIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey) | | | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available | Decreased |
| | | | | | | | | | | | 4.9 | 2.4 | 2.3 | 1.3 | | | | |
| QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available | No change |
| | | | | | | | | | | | 2.8 | 2.1 | 1.8 | 1.2 | | | | |
| 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]) | | | | | | | | | | | | | | | | Increased, 2014-2018 | Not available | Increased |
| | | | | | | | | | | | 35.1 | 37.6 | 46.2 | | | | | |

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[†]Based on t-test analysis, $p < 0.05$.

[§]Not enough years of data to calculate.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Total
Tobacco Use

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2016-2018 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

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)

20.3 19.8 32.0 Increased, 2014-2018 Not available[§] Increased

QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)

3.7 4.6 11.6 Increased, 2014-2018 Not available Increased

QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)

2.8 3.3 8.3 Increased, 2014-2018 Not available Increased

QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey)

22.6 22.4 32.9 Increased, 2014-2018 Not available Increased

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§Not enough years of data to calculate.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

**Total
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|---------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN36: Percentage of students who usually got their own electronic vapor products by buying them in a store (such as a convenience store, supermarket, discount store, gas station, or vape store, during the 30 days before the survey, among students who currently used electronic vapor products and who were aged <18 years) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 10.0 | 7.5 | | No linear change | Not available [§] | No change |
| QN37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 8.4 | 5.3 | | Decreased, 2016-2018 | 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) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 11.9 | 8.7 | 8.9 | 6.8 | Decreased, 2013-2018 | Not available | No change |

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[§]Not enough years of data to calculate.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report

| Total Tobacco Use | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------|------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 18.7 | 13.4 | 12.7 | 9.7 | Decreased, 2013-2018 | Not available [§] | Decreased | |

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

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2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

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Trend Analysis Report

| Total Alcohol and Other Drug Use | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------------------|----------------------------|-------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips) | | | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available [§] | Decreased |
| | | | | | | | | | | | 16.8 | 13.8 | 13.0 | 10.2 | | | | |
| QN41: Percentage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available | No change |
| | | | | | | | | | | | 35.0 | 29.3 | 32.2 | 29.0 | | | | |
| QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students, within a couple of hours, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | No linear change | Not available | No change |
| | | | | | | | | | | | | 18.2 | 17.3 | | | | | |

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Trend Analysis Report

| Total Alcohol and Other Drug Use | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------------------|----------------------------|------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN45: Percentage of students who ever used marijuana (one or more times during their life) | | | | | | | | | | | | | | | | No linear change | Not available [§] | No change |
| | | | | | | | | | | | 29.3 | 27.3 | 28.8 | 27.3 | | | | |
| QN46: Percentage of students who tried marijuana for the first time before age 13 years | | | | | | | | | | | | | | | | No linear change | Not available | No change |
| | | | | | | | | | | | 6.1 | 4.2 | 5.0 | 4.9 | | | | |
| QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey) | | | | | | | | | | | | | | | | No linear change | Not available | No change |
| | | | | | | | | | | | 18.2 | 16.4 | 17.9 | 17.3 | | | | |
| QN48: Percentage of students who ever used synthetic marijuana (one or more times during their life) | | | | | | | | | | | | | | | | Decreased, 2014-2018 | Not available | No change |
| | | | | | | | | | | | | 9.5 | 6.6 | 5.1 | | | | |

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2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report

| Total Alcohol and Other Drug Use | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|----------------|-------------------|---------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN49: Percentage of students who ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet, one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 13.8 | 11.3 | Decreased, 2016-2018 | Not available [§] | Decreased | | |
| QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 6.4 | 3.8 | 5.3 | 3.7 | Decreased, 2013-2018 | Not available | Decreased | |
| QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 4.9 | 2.4 | 2.5 | 2.2 | Decreased, 2013-2018 | Not available | No change | |
| QN53: Percentage of students who ever used methamphetamines (also called "speed," "crystal meth," "crank," "ice," or "meth," one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 5.0 | 2.4 | 3.2 | 2.7 | Decreased, 2013-2018 | Not available | No change | |

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2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report

| Total Alcohol and Other Drug Use | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------|------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN54: Percentage of students who ever used ecstasy (also called "MDMA," one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 8.5 | 5.0 | 5.3 | 3.9 | Decreased, 2013-2018 | Not available [§] | No change | |
| QN56: Percentage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their body, one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 3.4 | 2.1 | 2.8 | 2.9 | No linear change | Not available | No change | |
| QN57: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 25.7 | 21.2 | 20.2 | 19.5 | Decreased, 2013-2018 | Not available | No change | |

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[†]Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Total
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN58: Percentage of students who ever had sexual intercourse | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| QN59: Percentage of students who had sexual intercourse for the first time before age 13 years | | | | | | | | | | | | | | No linear change | Not available | No change | |
| QN60: Percentage of students who had sexual intercourse with four or more persons during their life | | | | | | | | | | | | | | No linear change | Not available | No change | |
| QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) | | | | | | | | | | | | | | No linear change | Not available | No change | |

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[†]Based on t-test analysis, $p < 0.05$.

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2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

**Total
Sexual Behaviors**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|----------------------------|------|--|--|--|--|----------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | |
| QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | 25.7 | 27.2 | 23.6 | 22.9 | | | | | No linear change | Not available [§] | No change |
| QN63: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | 62.6 | 53.9 | 58.9 | 52.4 | | | | | Decreased, 2013-2018 | Not available | No change |
| QN64: Percentage of students who used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | 26.0 | 30.3 | 30.0 | 34.1 | | | | | Increased, 2013-2018 | Not available | No change |
| QNIUDIMP: Percentage of students who used an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | 0.9 | 1.1 | 3.4 | 4.2 | | | | | Increased, 2013-2018 | Not available | No change |

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†Based on t-test analysis, $p < 0.05$.

§Not enough years of data to calculate.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

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Trend Analysis Report

**Total
Sexual Behaviors**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|---------------------------------------|------|--|--|--|--|----------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | |
| QNSHPARG: Percentage of students who used a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)) | | | | | | | | | | | | | | 3.0 | 3.4 | 1.7 | 2.5 | | | | | No linear change | Not available [§] | No change |
| QNOTHHPL: Percentage of students who used birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | 29.9 | 34.8 | 35.1 | 40.8 | | | | | Increased, 2013-2018 | Not available | No change |
| QNDUALBC: Percentage of students who used both a condom during last sexual intercourse and birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | 12.7 | 11.1 | 12.3 | 13.8 | | | | | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Total
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNBCNONE: Percentage of students who did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) | | | | | | | | | | | | | | Increased, 2014-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Total | | | | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|--------------------------|--|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018[†] |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QNOWT: Percentage of students who were overweight (\geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 12.2 | 12.9 | 14.3 | 13.1 | No linear change | Not available [¶] | No change | |
| QNOBESE: Percentage of students who had obesity (\geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 9.6 | 8.9 | 9.7 | 9.5 | No linear change | Not available | No change | |
| QN67: Percentage of students who described themselves as slightly or very overweight | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 26.9 | 26.7 | 25.0 | 26.6 | No linear change | Not available | No change | |
| QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 26.3 | 30.7 | 35.2 | 40.2 | Increased, 2013-2018 | Not available | Increased | |

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

[†]Based on t-test analysis, $p < 0.05$.

[§]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

[¶]Not enough years of data to calculate.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Total Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------------------|----------------------------|---------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN70: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | No linear change | Not available [§] | No change |
| QNFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | No linear change | Not available | No change |
| QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available | Decreased |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Total | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018[†] | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|-----------------------|--------------------------|--|------|----------------------|--|--|--|----------------------------|-----------|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | | |
| QNFR2: Percentage of students who ate fruit or drank 100% fruit juices two or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | 29.4 | 26.3 | 26.1 | 24.7 | Decreased, 2013-2018 | | | | Not available [§] | No change |
| QN71: Percentage of students who did not eat green salad (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | 33.0 | 36.5 | 38.1 | 41.8 | Increased, 2013-2018 | | | | Not available | Increased |
| QN72: Percentage of students who did not eat potatoes (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | 29.2 | 32.3 | 34.9 | 36.5 | Increased, 2013-2018 | | | | Not available | No change |
| QN73: Percentage of students who did not eat carrots (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | 45.8 | 47.1 | 46.7 | 48.2 | No linear change | | | | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Total Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------------------|----------------------------|---------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN74: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | No linear change | Not available [§] | No change |
| QNVEG0: Percentage of students who did not eat vegetables (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | | | No linear change | Not available | No change |
| QNVEG1: Percentage of students who ate vegetables one or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Total | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018[†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|--------------------------|--|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QNVEG2: Percentage of students who ate vegetables two or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 28.2 | 26.2 | 24.2 | 22.1 | Decreased, 2013-2018 | Not available [§] | No change | |
| QNVEG3: Percentage of students who ate vegetables three or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 12.9 | 11.4 | 10.7 | 9.7 | Decreased, 2013-2018 | Not available | No change | |
| QN75: Percentage of students who did not drink a can, bottle, or glass of soda or pop (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 28.7 | 28.7 | 30.7 | 33.8 | Increased, 2013-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Total | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------|------------------------------------|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 18.5 | 17.0 | 14.2 | 12.8 | Decreased, 2013-2018 | Not available [§] | No change | |
| QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 11.9 | 9.6 | 9.3 | 7.2 | Decreased, 2013-2018 | Not available | Decreased | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Total
Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018† |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|-------------------|------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN78: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | No linear change | Not available§ | No change |
| QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | Increased, 2013-2018 | Not available | No change |
| QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | No linear change | Not available | Increased |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Total
Physical Activity

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2016-2018[†]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN79: Percentage of students who watched television 3 or more hours per day (on an average school day)

23.7 20.9 19.2 15.8 Decreased, 2013-2018 Not available[§] Decreased

QN80: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day)

30.0 34.9 35.4 41.0 Increased, 2013-2018 Not available Increased

QN81: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)

31.9 37.0 30.9 31.8 No linear change Not available 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Total
Physical Activity

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2016-2018 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)

19.2 19.9 18.8 18.1 No linear change Not available[§] No change

QN83: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

15.1 15.8 No linear change Not available 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Total Other | Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|---|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|---------------------------------------|-----------|
| | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | | | | 2018 |
| QN86: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 81.7 | 83.6 | 82.9 | No linear change | Not available [§] | No change | |
| QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 0.8 | 1.6 | 1.3 | No linear change | Not available | No change | |
| QN87: Percentage of students who had ever been told by a doctor or nurse that they had asthma | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 23.2 | 21.7 | 23.3 | 23.7 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Total
Site-Added

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2016-2018 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN90: Percentage of students who are transgender

2.1 1.7 No linear change Not available[§] No change

QN93: Percentage of students who talked on a cell phone while driving (on at least 1 day during the 30 days before the survey, among students who drove a car or other vehicle)

33.4 33.8 No linear change Not available No change

QN94: Percentage of students who smoked a whole cigarette before age 13 years (for the first time)

7.9 4.9 5.5 4.1 Decreased, 2013-2018 Not available No change

QN98: Percentage of students who smoked tobacco in a hookah, narghile, or other type of waterpipe (on at least 1 day during the 30 days before the survey)

3.8 3.2 No linear change Not available 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Total
Site-Added

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2016-2018 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN99: Percentage of students who usually use a kind of flavoring other than tobacco flavor with an electronic vapor product (among students who have ever used an electronic vapor product)

96.4 98.7 97.5 No linear change Not available[§] No change

QN101: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax

9.4 16.7 Increased, 2016-2018 Not available Increased

QN102: Percentage of students who think they definitely or probably will smoke a cigarette, cigar, cigarillo, or little cigar in the next year

17.8 14.3 Decreased, 2016-2018 Not available Decreased

QN103: Percentage of students who used flavored tobacco products (flavored cigars, cigarillos, or little cigars, flavored smokeless tobacco products, or both, not counting menthol cigarettes, during the 30 days before the survey)

14.3 11.6 8.0 6.4 Decreased, 2013-2018 Not available 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Total
Site-Added

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2016-2018 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN104: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey)

11.9 9.9 8.9 Decreased, 2014-2018 Not available[§] No change

QN105: Percentage of students who completely quit using all tobacco products (during the 12 months before the survey, among students who used tobacco products during the 12 months before the survey)

33.9 39.3 31.8 8.2 Decreased, 2013-2018 Not available Decreased

QN106: Percentage of students who live with someone who now smokes cigarettes or cigars

36.1 31.9 29.5 29.7 Decreased, 2013-2018 Not available No change

QN107: Percentage of students who report the rule about smoking inside their home is that smoking is not allowed anywhere inside their home (not counting decks, garages, or porches)

85.0 84.9 No linear change Not available 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Total
Site-Added

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2016-2018 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN108: Percentage of students who were in the same room with someone who was smoking (on at least one day during the 7 days before the survey)

27.3 26.7 No linear change Not available[§] No change

QN110: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year)

76.5 72.6 73.2 69.1 Decreased, 2013-2018 Not available No change

QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends

26.4 21.8 26.0 33.7 Increased, 2013-2018 Not available Increased

QN118: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in

18.6 12.6 16.2 23.5 Increased, 2013-2018 Not available Increased

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Total
Site-Added

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2016-2018 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN119: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life

81.7 83.5 80.6 81.3 No linear change Not available[§] 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018† | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|-------------------|------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN9: Percentage of students who rode with a driver who had been drinking alcohol (in a car or other vehicle, one or more times during the 30 days before the survey) | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available§ | No change | |
| | | | | | | | | | | | 19.6 | 17.1 | 12.8 | 13.2 | | | |
| QN10: Percentage of students who drove a car or other vehicle when they had been drinking alcohol (one or more times during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey) | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available | No change | |
| | | | | | | | | | | | 10.4 | 6.2 | 6.3 | 5.9 | | | |
| QN11: Percentage of students who texted or e-mailed while driving a car or other vehicle (on at least 1 day during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey) | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available | No change | |
| | | | | | | | | | | | 43.1 | 32.0 | 37.2 | 32.5 | | | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN13: Percentage of students who carried a weapon on school property (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| | | | | | | | | | | | 5.9 | 3.5 | 6.7 | 5.3 | | | |
| QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | | | 6.5 | 5.1 | | | |
| QN16: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 9.7 | 7.1 | 7.5 | 8.1 | | | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018† | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN18: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 14.3 | 9.7 | 9.0 | 9.4 | Decreased, 2013-2018 | Not available§ | No change |
| QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 9.9 | 5.4 | 5.3 | 7.7 | No linear change | Not available | No change |
| QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 24.2 | 20.5 | 22.3 | 22.8 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

**Male
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|------|--|--|--|--|----------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | |
| QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media, ever during the 12 months before the survey) | | | | | | | | | | | | | | 13.4 | 13.1 | 14.5 | 13.3 | | | | | No linear change | Not available [§] | No change |
| QN25: Percentage of students who felt sad or hopeless (almost every day for >=2 weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey) | | | | | | | | | | | | | | 16.5 | 16.7 | 18.8 | 19.4 | | | | | Increased, 2013-2018 | Not available | No change |
| QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) | | | | | | | | | | | | | | 10.1 | 10.2 | 11.9 | 12.5 | | | | | No linear change | Not available | No change |
| QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey) | | | | | | | | | | | | | | 7.4 | 8.5 | 9.6 | 11.5 | | | | | Increased, 2013-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

**Male
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|---------------------------------------|----------------------|----------------------|--|---------------|----------------------------|-----------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | |
| QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | 15.3 | 10.3 | 10.1 | 6.2 | Decreased, 2013-2018 | | | Not available [§] | | Decreased |
| QNFRSIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey) | | | | | | | | | | | | | | | 5.2 | 2.8 | 2.6 | 1.6 | Decreased, 2013-2018 | | | Not available | | No change |
| QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | 3.0 | 2.3 | 2.2 | 1.6 | Decreased, 2013-2018 | | | Not available | | 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]) | | | | | | | | | | | | | | | 35.4 | 36.9 | 45.0 | Increased, 2014-2018 | | | Not available | | Increased | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Carroll County

Trend Analysis Report

**Male
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|---------------------------------------|----------------------|--|--|----------------------------|--|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | |
| 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) | | | | | | | | | | | | | | | 22.2 | 20.5 | 30.9 | Increased, 2014-2018 | | | Not available [§] | | | Increased |
| QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) | | | | | | | | | | | | | | | 5.0 | 5.6 | 13.6 | Increased, 2014-2018 | | | Not available | | | Increased |
| QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | 3.7 | 3.7 | 9.8 | Increased, 2014-2018 | | | Not available | | | Increased |
| QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | 24.6 | 23.3 | 31.9 | Increased, 2014-2018 | | | Not available | | | Increased |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Carroll County

Trend Analysis Report

**Male
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|----------------------------|----------------------------|----------------------|---------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | |
| QN36: Percentage of students who usually got their own electronic vapor products by buying them in a store (such as a convenience store, supermarket, discount store, gas station, or vape store, during the 30 days before the survey, among students who currently used electronic vapor products and who were aged <18 years) | | | | | | | | | | | | | | 15.3 | 10.1 | No linear change | Not available [§] | No change | | |
| QN37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | 12.5 | 7.8 | Decreased, 2016-2018 | 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) | | | | | | | | | | | | | | 15.9 | 11.7 | 11.5 | 8.2 | Decreased, 2013-2018 | Not available | Decreased |

*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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Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018† | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 22.1 | 15.7 | 15.1 | 10.7 | Decreased, 2013-2018 | Not available§ | Decreased |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Male Alcohol and Other Drug Use | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------|----------------------------|-------------------|---------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 19.5 | 15.3 | 14.6 | 11.6 | Decreased, 2013-2018 | Not available [§] | No change | |
| QN41: Percentage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 33.4 | 25.4 | 30.6 | 27.2 | Decreased, 2013-2018 | Not available | No change | |
| QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students, within a couple of hours, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 16.8 | 16.5 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN45: Percentage of students who ever used marijuana (one or more times during their life) | | | | | | | | | | | | | | | No linear change | Not available [§] | No change |
| | | | | | | | | | | | 30.8 | 26.7 | 27.3 | 27.3 | | | |
| QN46: Percentage of students who tried marijuana for the first time before age 13 years | | | | | | | | | | | | | | | No linear change | Not available | No change |
| | | | | | | | | | | | 7.4 | 4.9 | 6.0 | 5.5 | | | |
| QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey) | | | | | | | | | | | | | | | No linear change | Not available | No change |
| | | | | | | | | | | | 19.5 | 16.3 | 17.4 | 18.0 | | | |
| QN48: Percentage of students who ever used synthetic marijuana (one or more times during their life) | | | | | | | | | | | | | | | Decreased, 2014-2018 | Not available | No change |
| | | | | | | | | | | | | 10.2 | 5.9 | 5.5 | | | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN49: Percentage of students who ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet, one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 13.1 | 10.8 | | No linear change | Not available [§] | No change |
| QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 7.6 | 4.9 | 6.8 | 4.5 | Decreased, 2013-2018 | Not available | Decreased |
| QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 6.5 | 2.6 | 3.2 | 2.9 | Decreased, 2013-2018 | Not available | No change |
| QN53: Percentage of students who ever used methamphetamines (also called "speed," "crystal meth," "crank," "ice," or "meth," one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 5.7 | 3.1 | 3.8 | 3.6 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male

Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN54: Percentage of students who ever used ecstasy (also called "MDMA," one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 9.7 | 5.4 | 6.0 | 4.6 | Decreased, 2013-2018 | Not available [§] | No change |
| QN56: Percentage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their body, one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 4.3 | 2.2 | 2.8 | 3.6 | No linear change | Not available | No change |
| QN57: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 27.1 | 22.0 | 22.8 | 19.5 | Decreased, 2013-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN58: Percentage of students who ever had sexual intercourse | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| QN59: Percentage of students who had sexual intercourse for the first time before age 13 years | | | | | | | | | | | | | | No linear change | Not available | No change | |
| QN60: Percentage of students who had sexual intercourse with four or more persons during their life | | | | | | | | | | | | | | No linear change | Not available | No change | |
| QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) | | | | | | | | | | | | | | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| | | | | | | | | | | | 27.3 | 32.5 | 26.0 | 26.0 | | | |
| QN63: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available | No change | |
| | | | | | | | | | | | 68.2 | 59.0 | 63.9 | 53.5 | | | |
| QN64: Percentage of students who used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | Increased, 2013-2018 | Not available | No change | |
| | | | | | | | | | | | 22.2 | 29.0 | 25.3 | 32.2 | | | |
| QNIUDIMP: Percentage of students who used an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 0.8 | 1.4 | 2.0 | 1.5 | | | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNSHPARG: Percentage of students who used a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)) | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| | | | | | | | | | | | 3.1 | 3.0 | 1.2 | 2.6 | | | |
| QNOTHHPL: Percentage of students who used birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 26.1 | 33.4 | 28.5 | 36.3 | | | |
| QNDUALBC: Percentage of students who used both a condom during last sexual intercourse and birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 12.5 | 10.6 | 12.0 | 12.2 | | | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNBCNONE: Percentage of students who did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) | | | | | | | | | | | | | | Increased, 2014-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNOWT: Percentage of students who were overweight (\geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | No linear change | Not available [¶] | No change | |
| | | | | | | 13.4 | 14.6 | 15.5 | 13.3 | | | | | | | | |
| QNOBESE: Percentage of students who had obesity (\geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | 13.6 | 12.2 | 12.9 | 10.9 | | | | | | | | |
| QN67: Percentage of students who described themselves as slightly or very overweight | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | 22.6 | 23.3 | 20.1 | 20.5 | | | | | | | | |
| QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey) | | | | | | | | | | | | | | Increased, 2013-2018 | Not available | No change | |
| | | | | | | 24.6 | 29.3 | 34.0 | 35.5 | | | | | | | | |

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

[†]Based on t-test analysis, $p < 0.05$.

[§]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

[¶]Not enough years of data to calculate.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Male | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|-------------------|-------------------------|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN70: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 16.2 | 13.0 | 14.5 | 13.9 | No linear change | Not available [§] | No change | |
| QNFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 8.5 | 7.5 | 9.2 | 9.0 | No linear change | Not available | No change | |
| QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 58.3 | 56.1 | 54.3 | 54.4 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNFR2: Percentage of students who ate fruit or drank 100% fruit juices two or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 29.6 | 26.7 | 26.0 | 26.2 | No linear change | Not available [§] | No change |
| QN71: Percentage of students who did not eat green salad (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 40.5 | 41.4 | 43.6 | 47.4 | Increased, 2013-2018 | Not available | No change |
| QN72: Percentage of students who did not eat potatoes (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 27.4 | 29.9 | 33.1 | 34.1 | Increased, 2013-2018 | Not available | No change |
| QN73: Percentage of students who did not eat carrots (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 46.1 | 46.2 | 46.5 | 47.1 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN74: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| | | | | | | | | | | | 16.8 | 14.6 | 18.3 | 17.2 | | | |
| QNVEG0: Percentage of students who did not eat vegetables (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 8.4 | 5.7 | 7.9 | 7.4 | | | |
| QNVEG1: Percentage of students who ate vegetables one or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 65.1 | 64.2 | 61.1 | 61.6 | | | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|------|----------------------|--|--|--|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | |
| QNVEG2: Percentage of students who ate vegetables two or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | 28.2 | 25.3 | 25.0 | 23.6 | Decreased, 2013-2018 | | | | Not available [§] | No change |
| QNVEG3: Percentage of students who ate vegetables three or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | 12.8 | 11.2 | 11.3 | 11.1 | No linear change | | | | Not available | No change |
| QN75: Percentage of students who did not drink a can, bottle, or glass of soda or pop (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | 24.2 | 24.5 | 26.9 | 29.5 | Increased, 2013-2018 | | | | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 23.0 | 21.7 | 17.8 | 17.6 | Decreased, 2013-2018 | Not available [§] | No change |
| QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 15.4 | 12.6 | 12.2 | 10.2 | Decreased, 2013-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018† | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|-------------------|------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN78: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available§ | No change | |
| QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | Increased, 2013-2018 | Not available | No change | |
| QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | Increased, 2013-2018 | Not available | Increased | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018† | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN79: Percentage of students who watched television 3 or more hours per day (on an average school day) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 25.8 | 23.3 | 20.8 | 15.8 | Decreased, 2013-2018 | Not available§ | Decreased |
| QN80: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 32.3 | 35.9 | 39.1 | 43.8 | Increased, 2013-2018 | Not available | Increased |
| QN81: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 38.2 | 41.1 | 32.4 | 35.7 | Decreased, 2013-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 21.4 | 21.3 | 18.6 | 21.5 | No linear change | Not available [§] | No change |
| QN83: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 15.6 | 18.2 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Male Other | Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|---|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|---------------------------------------|-----------|
| | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | | | | 2018 |
| QN86: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 82.1 | 84.2 | 82.4 | No linear change | Not available [§] | No change | |
| QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 0.7 | 2.0 | 1.8 | No linear change | Not available | No change | |
| QN87: Percentage of students who had ever been told by a doctor or nurse that they had asthma | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 22.0 | 23.0 | 24.5 | 24.3 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018† |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|-------------------|------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN90: Percentage of students who are transgender | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 2.5 | 1.4 | Decreased, 2016-2018 | Not available§ | No change |
| QN93: Percentage of students who talked on a cell phone while driving (on at least 1 day during the 30 days before the survey, among students who drove a car or other vehicle) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 36.9 | 34.0 | No linear change | Not available | No change |
| QN94: Percentage of students who smoked a whole cigarette before age 13 years (for the first time) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 9.8 | 6.1 | 6.1 | 4.7 | Decreased, 2013-2018 | Not available | No change |
| QN98: Percentage of students who smoked tobacco in a hookah, narghile, or other type of waterpipe (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 4.2 | 3.6 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN99: Percentage of students who usually use a kind of flavoring other than tobacco flavor with an electronic vapor product (among students who have ever used an electronic vapor product) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 95.5 | 98.3 | 96.4 | | No linear change | Not available [§] | No change |
| QN101: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 10.6 | 17.4 | | Increased, 2016-2018 | Not available | Increased |
| QN102: Percentage of students who think they definitely or probably will smoke a cigarette, cigar, cigarillo, or little cigar in the next year | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 22.5 | 17.0 | | Decreased, 2016-2018 | Not available | Decreased |
| QN103: Percentage of students who used flavored tobacco products (flavored cigars, cigarillos, or little cigars, flavored smokeless tobacco products, or both, not counting menthol cigarettes, during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 18.7 | 15.3 | 11.2 | 8.3 | Decreased, 2013-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN104: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 13.3 | 10.5 | 7.6 | | Decreased, 2014-2018 | Not available [§] | Decreased |
| QN105: Percentage of students who completely quit using all tobacco products (during the 12 months before the survey, among students who used tobacco products during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 31.6 | 37.1 | 31.4 | 9.9 | Decreased, 2013-2018 | Not available | Decreased |
| QN106: Percentage of students who live with someone who now smokes cigarettes or cigars | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 37.3 | 32.0 | 30.1 | 31.2 | Decreased, 2013-2018 | Not available | No change |
| QN107: Percentage of students who report the rule about smoking inside their home is that smoking is not allowed anywhere inside their home (not counting decks, garages, or porches) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 85.9 | 85.0 | | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN108: Percentage of students who were in the same room with someone who was smoking (on at least one day during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 25.6 | 26.3 | | No linear change | Not available [§] | No change |
| QN110: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 77.8 | 71.3 | 72.3 | 69.9 | Decreased, 2013-2018 | Not available | No change |
| QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 28.8 | 25.3 | 29.3 | 36.2 | Increased, 2013-2018 | Not available | Increased |
| QN118: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 20.8 | 14.8 | 20.0 | 27.0 | Increased, 2013-2018 | Not available | Increased |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Male
Site-Added

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2016-2018[†]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN119: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life

80.4 82.7 78.6 80.4 No linear change Not available[§] 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Female
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018† | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|-------------------|------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN9: Percentage of students who rode with a driver who had been drinking alcohol (in a car or other vehicle, one or more times during the 30 days before the survey) | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available§ | No change | |
| | | | | | | | | | | | 16.9 | 19.1 | 13.7 | 13.1 | | | |
| QN10: Percentage of students who drove a car or other vehicle when they had been drinking alcohol (one or more times during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey) | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available | Decreased | |
| | | | | | | | | | | | 6.3 | 4.5 | 5.1 | 2.2 | | | |
| QN11: Percentage of students who texted or e-mailed while driving a car or other vehicle (on at least 1 day during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey) | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available | No change | |
| | | | | | | | | | | | 39.0 | 32.7 | 32.4 | 31.9 | | | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Female
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN13: Percentage of students who carried a weapon on school property (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | No linear change | Not available [§] | Decreased | |
| | | | | | | | | | | | 2.3 | 1.3 | 3.6 | 1.4 | | | |
| QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey) | | | | | | | | | | | | | | Decreased, 2016-2018 | Not available | No change | |
| | | | | | | | | | | | | 2.0 | 1.1 | | | | |
| QN16: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | No linear change | Not available | Increased | |
| | | | | | | | | | | | 7.1 | 3.5 | 4.1 | 6.9 | | | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Female
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN18: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 7.6 | 3.7 | 4.4 | 4.2 | Decreased, 2013-2018 | Not available [§] | No change |
| QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 11.0 | 11.4 | 9.4 | 11.5 | No linear change | Not available | No change |
| QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 29.5 | 27.1 | 30.0 | 28.0 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Female
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media, ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 25.2 | 24.4 | 26.1 | 24.4 | No linear change | Not available [§] | No change |
| QN25: Percentage of students who felt sad or hopeless (almost every day for >=2 weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 32.7 | 35.4 | 38.0 | 37.6 | Increased, 2013-2018 | Not available | No change |
| QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 20.5 | 21.6 | 22.3 | 22.1 | No linear change | Not available | No change |
| QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 14.2 | 14.8 | 15.6 | 16.1 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Female
Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 11.4 | 8.5 | 7.8 | 4.8 | Decreased, 2013-2018 | Not available [§] | Decreased |
| QNFRSIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 4.2 | 1.9 | 1.9 | 0.8 | Decreased, 2013-2018 | Not available | No change |
| QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 2.5 | 1.8 | 1.5 | 0.8 | Decreased, 2013-2018 | Not available | 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]) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 34.7 | 38.2 | 47.3 | Increased, 2014-2018 | Not available | Increased |

*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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Trend Analysis Report

**Female
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|---------------------------------------|----------------------|--|--|----------------------------|--|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | |
| QNS5: 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) | | | | | | | | | | | | | | | 17.9 | 18.9 | 32.7 | Increased, 2014-2018 | | | Not available [§] | | | Increased |
| QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) | | | | | | | | | | | | | | | 2.3 | 3.5 | 9.4 | Increased, 2014-2018 | | | Not available | | | Increased |
| QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | 1.8 | 2.8 | 6.8 | Increased, 2014-2018 | | | Not available | | | Increased |
| QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | 20.1 | 21.2 | 33.2 | Increased, 2014-2018 | | | Not available | | | Increased |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report

**Female
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|----------------------------|------------------|---------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | |
| QN36: Percentage of students who usually got their own electronic vapor products by buying them in a store (such as a convenience store, supermarket, discount store, gas station, or vape store, during the 30 days before the survey, among students who currently used electronic vapor products and who were aged <18 years) | | | | | | | | | | | | | | 4.1 | 5.0 | No linear change | Not available [§] | No change | | |
| QN37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | 3.8 | 1.9 | No linear change | Not available | No change | | |
| 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) | | | | | | | | | | | | | | 7.1 | 5.2 | 5.8 | 5.0 | No linear change | Not available | 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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Carroll County

Trend Analysis Report

Female
Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 14.4 | 10.5 | 9.9 | 7.9 | Decreased, 2013-2018 | Not available [§] | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Female Alcohol and Other Drug Use | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|---------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 13.7 | 12.1 | 11.3 | 8.5 | Decreased, 2013-2018 | Not available [§] | No change |
| QN41: Percentage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 36.4 | 33.2 | 33.8 | 30.9 | Decreased, 2013-2018 | Not available | No change |
| QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students, within a couple of hours, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 19.6 | 18.1 | | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Female Alcohol and Other Drug Use | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------------------|----------------------------|---------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN45: Percentage of students who ever used marijuana (one or more times during their life) | | | | | | | | | | | | | | | | No linear change | Not available [§] | No change |
| | | | | | | | | | | | 27.4 | 28.0 | 30.2 | 27.1 | | | | |
| QN46: Percentage of students who tried marijuana for the first time before age 13 years | | | | | | | | | | | | | | | | No linear change | Not available | No change |
| | | | | | | | | | | | 4.4 | 3.4 | 3.7 | 4.0 | | | | |
| QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey) | | | | | | | | | | | | | | | | No linear change | Not available | No change |
| | | | | | | | | | | | 16.6 | 16.3 | 18.2 | 16.3 | | | | |
| QN48: Percentage of students who ever used synthetic marijuana (one or more times during their life) | | | | | | | | | | | | | | | | Decreased, 2014-2018 | Not available | Decreased |
| | | | | | | | | | | | | 8.5 | 7.1 | 4.3 | | | | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Female | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------|-------------------------|
| Alcohol and Other Drug Use | | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN49: Percentage of students who ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet, one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 14.2 | 11.5 | | No linear change | Not available [§] | No change | |
| QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 4.3 | 2.4 | 3.6 | 2.4 | No linear change | Not available | No change | |
| QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 2.8 | 1.9 | 1.4 | 1.1 | Decreased, 2013-2018 | Not available | No change | |
| QN53: Percentage of students who ever used methamphetamines (also called "speed," "crystal meth," "crank," "ice," or "meth," one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 3.6 | 1.3 | 2.2 | 1.1 | Decreased, 2013-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

| Female Alcohol and Other Drug Use | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|---------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN54: Percentage of students who ever used ecstasy (also called "MDMA," one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 6.4 | 4.4 | 4.2 | 2.5 | Decreased, 2013-2018 | Not available [§] | No change |
| QN56: Percentage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their body, one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 2.1 | 1.9 | 2.4 | 1.7 | No linear change | Not available | No change |
| QN57: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 24.1 | 20.3 | 17.4 | 19.2 | Decreased, 2013-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Female
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN58: Percentage of students who ever had sexual intercourse | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| QN59: Percentage of students who had sexual intercourse for the first time before age 13 years | | | | | | | | | | | | | | No linear change | Not available | No change | |
| QN60: Percentage of students who had sexual intercourse with four or more persons during their life | | | | | | | | | | | | | | No linear change | Not available | No change | |
| QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) | | | | | | | | | | | | | | No linear change | Not available | 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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Maryland High School Survey

Carroll County

Trend Analysis Report

Female
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| | | | | | | | | | | | 24.3 | 23.4 | 20.9 | 19.1 | | | |
| QN63: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 57.3 | 50.2 | 54.0 | 51.5 | | | |
| QN64: Percentage of students who used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 29.6 | 31.4 | 34.6 | 36.7 | | | |
| QNIUDIMP: Percentage of students who used an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | Increased, 2013-2018 | Not available | No change | |
| | | | | | | | | | | | 0.9 | 0.9 | 4.8 | 7.2 | | | |

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†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

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**Female
Sexual Behaviors**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|---------------------------------------|------|----------------------|--|--|--|----------------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | |
| QNSHPARG: Percentage of students who used a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)) | | | | | | | | | | | | | | 2.9 | 3.7 | 2.2 | 2.1 | No linear change | | | | Not available [§] | | No change |
| QNOTHHPL: Percentage of students who used birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | 33.4 | 36.0 | 41.5 | 46.0 | Increased, 2013-2018 | | | | Not available | | No change |
| QNDUALBC: Percentage of students who used both a condom during last sexual intercourse and birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | 13.1 | 11.6 | 12.2 | 15.4 | No linear change | | | | Not available | | 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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Female
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNBCNONE: Percentage of students who did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 13.4 | 12.7 | 9.7 | 9.5 | No linear change | Not available [§] | No change |
| QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 7.4 | 8.8 | 9.8 | No linear change | Not available | 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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Trend Analysis Report

| Female | | | | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------------------|----------------------------|------------------------------------|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QNOWT: Percentage of students who were overweight (\geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | | | No linear change | Not available [¶] | No change |
| QNOBESE: Percentage of students who had obesity (\geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | | | Increased, 2013-2018 | Not available | No change |
| QN67: Percentage of students who described themselves as slightly or very overweight | | | | | | | | | | | | | | | | No linear change | Not available | No change |
| QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | Increased, 2013-2018 | Not available | Increased |

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

[†]Based on t-test analysis, $p < 0.05$.

[§]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

[¶]Not enough years of data to calculate.

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| Female | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------|------------------------------------|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN70: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 9.5 | 10.5 | 9.6 | 10.8 | No linear change | Not available [§] | No change | |
| QNFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 4.5 | 6.0 | 5.6 | 6.3 | No linear change | Not available | No change | |
| QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 59.8 | 58.8 | 57.2 | 49.5 | Decreased, 2013-2018 | Not available | Decreased | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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| Female | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------|-------------------------|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QNFR2: Percentage of students who ate fruit or drank 100% fruit juices two or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 29.1 | 25.7 | 26.1 | 23.0 | Decreased, 2013-2018 | Not available [§] | No change | |
| QN71: Percentage of students who did not eat green salad (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 25.5 | 31.3 | 32.4 | 35.9 | Increased, 2013-2018 | Not available | No change | |
| QN72: Percentage of students who did not eat potatoes (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 30.8 | 34.9 | 36.7 | 38.6 | Increased, 2013-2018 | Not available | No change | |
| QN73: Percentage of students who did not eat carrots (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 45.6 | 48.3 | 47.1 | 49.7 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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| Female | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------------------|----------------------------|------------------------------------|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN74: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | No linear change | Not available [§] | No change |
| QNVEG0: Percentage of students who did not eat vegetables (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | | | No linear change | Not available | No change |
| QNVEG1: Percentage of students who ate vegetables one or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report

| Female | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------|------------------------------------|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QNVEG2: Percentage of students who ate vegetables two or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 28.0 | 27.2 | 22.9 | 20.3 | Decreased, 2013-2018 | Not available [§] | No change | |
| QNVEG3: Percentage of students who ate vegetables three or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 12.5 | 11.7 | 9.9 | 7.9 | Decreased, 2013-2018 | Not available | No change | |
| QN75: Percentage of students who did not drink a can, bottle, or glass of soda or pop (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 33.2 | 33.0 | 34.6 | 38.1 | Increased, 2013-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report

| Female | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------|-------------------------|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 13.8 | 12.1 | 10.3 | 8.1 | Decreased, 2013-2018 | Not available [§] | No change | |
| QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 8.2 | 6.4 | 6.2 | 4.1 | Decreased, 2013-2018 | Not available | Decreased | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Carroll County

Trend Analysis Report

Female
Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN78: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Carroll County

Trend Analysis Report

Female
Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN79: Percentage of students who watched television 3 or more hours per day (on an average school day) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 21.4 | 18.3 | 17.5 | 15.9 | Decreased, 2013-2018 | Not available [§] | No change |
| QN80: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 27.6 | 33.7 | 31.3 | 38.4 | Increased, 2013-2018 | Not available | Increased |
| QN81: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 24.8 | 32.4 | 28.7 | 27.6 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Female
Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|-------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school) | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| | | | | | | | | | | | 16.7 | 18.5 | 18.7 | 14.8 | | | |
| QN83: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | | 14.1 | 13.1 | | | | |

*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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Trend Analysis Report

| Female Other | Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|-----------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|---------------------------------------|-----------|
| | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| | QN86: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 81.6 | 83.3 | 83.8 | No linear change | Not available [§] | No change | |
| | QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 0.9 | 1.2 | 0.7 | No linear change | Not available | No change | |
| | QN87: Percentage of students who had ever been told by a doctor or nurse that they had asthma | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 24.2 | 20.6 | 22.1 | 22.9 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Female
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|-------------------------|---------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | |
| QN90: Percentage of students who are transgender | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 1.5 | 1.7 | No linear change | Not available [§] | No change | | |
| QN93: Percentage of students who talked on a cell phone while driving (on at least 1 day during the 30 days before the survey, among students who drove a car or other vehicle) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 29.7 | 32.9 | No linear change | Not available | No change | | |
| QN94: Percentage of students who smoked a whole cigarette before age 13 years (for the first time) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 5.7 | 3.4 | 4.6 | 2.9 | Decreased, 2013-2018 | Not available | Decreased |
| QN98: Percentage of students who smoked tobacco in a hookah, narghile, or other type of waterpipe (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 3.3 | 2.0 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Female
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN99: Percentage of students who usually use a kind of flavoring other than tobacco flavor with an electronic vapor product (among students who have ever used an electronic vapor product) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 97.6 | 99.4 | 98.5 | | No linear change | Not available [§] | No change |
| QN101: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 8.2 | 15.9 | | Increased, 2016-2018 | Not available | Increased |
| QN102: Percentage of students who think they definitely or probably will smoke a cigarette, cigar, cigarillo, or little cigar in the next year | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 12.4 | 10.9 | | No linear change | Not available | No change |
| QN103: Percentage of students who used flavored tobacco products (flavored cigars, cigarillos, or little cigars, flavored smokeless tobacco products, or both, not counting menthol cigarettes, during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 9.5 | 7.6 | 4.6 | 4.3 | Decreased, 2013-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report

Female
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN104: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 10.4 | 9.2 | 10.2 | | No linear change | Not available [§] | No change |
| QN105: Percentage of students who completely quit using all tobacco products (during the 12 months before the survey, among students who used tobacco products during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 36.4 | 42.4 | 32.8 | 6.5 | Decreased, 2013-2018 | Not available | Decreased |
| QN106: Percentage of students who live with someone who now smokes cigarettes or cigars | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 35.0 | 31.7 | 28.9 | 27.8 | Decreased, 2013-2018 | Not available | No change |
| QN107: Percentage of students who report the rule about smoking inside their home is that smoking is not allowed anywhere inside their home (not counting decks, garages, or porches) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 84.3 | 85.0 | | No linear change | Not available | 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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Trend Analysis Report

Female
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN108: Percentage of students who were in the same room with someone who was smoking (on at least one day during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 28.8 | 26.7 | | | No linear change | Not available [§] | No change |
| QN110: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 75.5 | 74.3 | 74.3 | 68.0 | Decreased, 2013-2018 | Not available | Decreased |
| QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 23.6 | 18.0 | 22.6 | 30.6 | Increased, 2013-2018 | Not available | Increased |
| QN118: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 15.9 | 10.0 | 12.1 | 19.5 | Increased, 2013-2018 | Not available | Increased |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

**Maryland High School Survey
Carroll County
Trend Analysis Report**

**Female
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018† | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN119: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 82.8 | 84.6 | 82.7 | 82.5 | No linear change | Not available§ | 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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Carroll County

Trend Analysis Report

White*
Injury and Violence

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN9: Percentage of students who rode with a driver who had been drinking alcohol (in a car or other vehicle, one or more times during the 30 days before the survey)

17.5 17.5 12.9 12.4 Decreased, 2013-2018 Not available[¶] No change

QN10: Percentage of students who drove a car or other vehicle when they had been drinking alcohol (one or more times during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey)

7.9 4.8 5.3 2.9 Decreased, 2013-2018 Not available No change

QN11: Percentage of students who texted or e-mailed while driving a car or other vehicle (on at least 1 day during the 30 days before the survey, among students who had driven a car or other vehicle during the 30 days before the survey)

40.9 32.1 34.6 32.3 Decreased, 2013-2018 Not available No change

*Non-Hispanic.

[†]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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Linear Change[†]

Quadratic Change[†]

Change from
2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN13: Percentage of students who carried a weapon on school property (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey)

3.4 1.9 4.7 2.8 No linear change Not available[¶] Decreased

QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey)

3.7 2.4 Decreased, 2016-2018 Not available Decreased

QN16: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club, one or more times during the 12 months before the survey)

7.4 4.5 5.2 7.0 No linear change Not available Increased

*Non-Hispanic.

[†]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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Linear Change[†]

Quadratic Change[†]

Change from
2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN18: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)

9.6 5.8 6.1 6.1 Decreased, 2013-2018 Not available[¶] No change

QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey)

9.5 7.7 6.8 8.9 No linear change Not available No change

QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey)

26.9 23.3 25.6 24.8 No linear change Not available No change

*Non-Hispanic.

[†]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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Linear Change[†]

Quadratic Change[‡]

**Change from
2016-2018[§]**

| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|

QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media, ever during the 12 months before the survey)

| | | | | | | | |
|--|------|------|------|------|------------------|----------------------------|-----------|
| | 18.9 | 18.2 | 19.9 | 18.5 | No linear change | Not available [¶] | No change |
|--|------|------|------|------|------------------|----------------------------|-----------|

QN25: Percentage of students who felt sad or hopeless (almost every day for >=2 weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey)

| | | | | | | | |
|--|------|------|------|------|----------------------|---------------|-----------|
| | 23.5 | 25.5 | 27.1 | 27.6 | Increased, 2013-2018 | Not available | No change |
|--|------|------|------|------|----------------------|---------------|-----------|

QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey)

| | | | | | | | |
|--|------|------|------|------|------------------|---------------|-----------|
| | 14.8 | 15.2 | 16.2 | 16.0 | No linear change | Not available | No change |
|--|------|------|------|------|------------------|---------------|-----------|

QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey)

| | | | | | | | |
|--|------|------|------|------|----------------------|---------------|-----------|
| | 10.3 | 10.7 | 11.5 | 12.9 | Increased, 2013-2018 | Not available | No change |
|--|------|------|------|------|----------------------|---------------|-----------|

*Non-Hispanic.

[†]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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Linear Change[†]

Quadratic Change[†]

Change from
2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)

12.7 9.2 8.9 5.5 Decreased, 2013-2018 Not available[¶] Decreased

QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)

4.4 2.1 2.2 1.0 Decreased, 2013-2018 Not available Decreased

QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)

2.6 1.8 1.7 1.0 Decreased, 2013-2018 Not available 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])

35.1 37.1 45.6 Increased, 2014-2018 Not available Increased

*Non-Hispanic.

[†]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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Linear Change[†]

Quadratic Change[‡]

**Change from
2016-2018[§]**

| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|

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)

| | | | | | | |
|--|------|------|------|----------------------|----------------------------|-----------|
| | 20.3 | 19.7 | 31.4 | Increased, 2014-2018 | Not available [¶] | Increased |
|--|------|------|------|----------------------|----------------------------|-----------|

QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)

| | | | | | | |
|--|-----|-----|------|----------------------|---------------|-----------|
| | 3.4 | 4.4 | 11.9 | Increased, 2014-2018 | Not available | Increased |
|--|-----|-----|------|----------------------|---------------|-----------|

QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)

| | | | | | | |
|--|-----|-----|-----|----------------------|---------------|-----------|
| | 2.6 | 3.0 | 8.8 | Increased, 2014-2018 | Not available | Increased |
|--|-----|-----|-----|----------------------|---------------|-----------|

QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey)

| | | | | | | |
|--|------|------|------|----------------------|---------------|-----------|
| | 22.5 | 22.0 | 32.0 | Increased, 2014-2018 | Not available | Increased |
|--|------|------|------|----------------------|---------------|-----------|

*Non-Hispanic.

[†]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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Quadratic Change[†]

Change from
2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN36: Percentage of students who usually got their own electronic vapor products by buying them in a store (such as a convenience store, supermarket, discount store, gas station, or vape store, during the 30 days before the survey, among students who currently used electronic vapor products and who were aged <18 years)

9.3 6.8 No linear change Not available[¶] No change

QN37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)

8.2 4.4 Decreased, 2016-2018 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)

10.6 8.4 8.7 6.2 Decreased, 2013-2018 Not available Decreased

*Non-Hispanic.

[†]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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Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)

17.3 13.0 12.6 9.1 Decreased, 2013-2018 Not available[¶] Decreased

*Non-Hispanic.

[†]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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Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [‡] | Change from 2016-2018 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 15.3 | 13.4 | 11.9 | 9.1 | Decreased, 2013-2018 | Not available [¶] | Decreased |
| QN41: Percentage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 34.7 | 29.1 | 32.8 | 28.8 | Decreased, 2013-2018 | Not available | No change |
| QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students, within a couple of hours, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 18.4 | 17.2 | | No linear change | Not available | No change |

*Non-Hispanic.

[†]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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Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2016-2018 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN45: Percentage of students who ever used marijuana (one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 28.2 | 26.7 | 28.4 | 26.2 | No linear change | Not available [¶] | No change |
| QN46: Percentage of students who tried marijuana for the first time before age 13 years | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 4.8 | 3.8 | 4.3 | 3.8 | No linear change | Not available | No change |
| QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 17.5 | 16.0 | 17.9 | 16.5 | No linear change | Not available | No change |
| QN48: Percentage of students who ever used synthetic marijuana (one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 8.9 | 5.9 | 4.0 | Decreased, 2014-2018 | Not available | Decreased |

*Non-Hispanic.

[†]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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| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [‡] | Change from 2016-2018 [§] | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|----------------------------|----------------------|---------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | |
| QN49: Percentage of students who ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet, one or more times during their life) | | | | | | | | | | | | | | 13.0 | 10.5 | Decreased, 2016-2018 | Not available [¶] | Decreased | | |
| QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life) | | | | | | | | | | | | | | 5.3 | 3.1 | 4.6 | 2.6 | Decreased, 2013-2018 | Not available | Decreased |
| QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life) | | | | | | | | | | | | | | 3.8 | 1.7 | 1.7 | 1.3 | Decreased, 2013-2018 | Not available | No change |
| QN53: Percentage of students who ever used methamphetamines (also called "speed," "crystal meth," "crank," "ice," or "meth," one or more times during their life) | | | | | | | | | | | | | | 3.9 | 1.7 | 2.4 | 1.6 | Decreased, 2013-2018 | Not available | No change |

*Non-Hispanic.

[†]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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| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2016-2018 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN54: Percentage of students who ever used ecstasy (also called "MDMA," one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 7.2 | 4.2 | 4.5 | 2.7 | Decreased, 2013-2018 | Not available [¶] | Decreased |
| QN56: Percentage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their body, one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 2.7 | 1.3 | 1.9 | 2.2 | No linear change | Not available | No change |
| QN57: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 24.8 | 20.5 | 19.7 | 18.4 | Decreased, 2013-2018 | Not available | No change |

*Non-Hispanic.

[†]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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Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2016-2018 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN58: Percentage of students who ever had sexual intercourse | | | | | | | | | | | | | | No linear change | Not available [¶] | No change | |
| | | | | | | | | | | | 32.4 | 26.0 | 30.0 | 29.7 | | | |
| QN59: Percentage of students who had sexual intercourse for the first time before age 13 years | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 2.6 | 2.2 | 2.5 | 2.0 | | | |
| QN60: Percentage of students who had sexual intercourse with four or more persons during their life | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 7.7 | 5.0 | 5.3 | 6.0 | | | |
| QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 23.7 | 18.7 | 22.9 | 22.7 | | | |

*Non-Hispanic.

[†]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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| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2016-2018 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | No linear change | Not available [¶] | No change | |
| QN63: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | Decreased, 2013-2018 | Not available | Decreased | |
| QN64: Percentage of students who used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | Increased, 2013-2018 | Not available | No change | |
| QNIUDIMP: Percentage of students who used an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | Increased, 2013-2018 | Not available | No change | |

*Non-Hispanic.

[†]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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| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2016-2018 [§] | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|------|--|--|--|--|----------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | |
| QNSHPARG: Percentage of students who used a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)) | | | | | | | | | | | | | | 3.1 | 3.3 | 1.9 | 2.2 | | | | | No linear change | Not available [¶] | No change |
| QNOTHHPL: Percentage of students who used birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | 31.3 | 36.0 | 37.2 | 42.5 | | | | | Increased, 2013-2018 | Not available | No change |
| QNDUALBC: Percentage of students who used both a condom during last sexual intercourse and birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | 13.8 | 11.1 | 13.0 | 13.8 | | | | | No linear change | Not available | No change |

*Non-Hispanic.

[†]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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| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2016-2018 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNBCNONE: Percentage of students who did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | No linear change | Not available [¶] | No change | |
| QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) | | | | | | | | | | | | | | Increased, 2014-2018 | Not available | No change | |

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2016-2018 [§] | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|------|--|--|--|--|----------------------|---------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | |
| QNOWT: Percentage of students who were overweight (\geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [†] | | | | | | | | | | | | | | 11.8 | 12.5 | 13.8 | 13.2 | | | | | No linear change | Not available | No change |
| QNOBESE: Percentage of students who had obesity (\geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [†] | | | | | | | | | | | | | | 9.0 | 8.6 | 9.4 | 8.9 | | | | | No linear change | Not available | No change |
| QN67: Percentage of students who described themselves as slightly or very overweight | | | | | | | | | | | | | | 26.8 | 26.3 | 24.4 | 26.2 | | | | | No linear change | Not available | No change |
| QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey) | | | | | | | | | | | | | | 25.8 | 30.6 | 35.3 | 41.1 | | | | | Increased, 2013-2018 | Not available | Increased |

*Non-Hispanic.

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

[§]Based on t-test analysis, $p < 0.05$.

*Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

**Not enough years of data to calculate.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from 2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN70: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)

11.5 11.2 11.3 11.8 No linear change Not available[¶] No change

QNFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (such as orange juice, apple juice, or grape juice, during the 7 days before the survey)

5.5 6.4 6.8 7.3 Increased, 2013-2018 Not available No change

QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey)

59.7 57.8 56.3 51.8 Decreased, 2013-2018 Not available Decreased

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from 2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QNFR2: Percentage of students who ate fruit or drank 100% fruit juices two or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey)

29.5 25.9 26.0 24.1 Decreased, 2013-2018 Not available[¶] No change

QN71: Percentage of students who did not eat green salad (one or more times during the 7 days before the survey)

32.5 35.6 37.3 41.3 Increased, 2013-2018 Not available Increased

QN72: Percentage of students who did not eat potatoes (one or more times during the 7 days before the survey)

27.9 31.9 33.8 35.8 Increased, 2013-2018 Not available No change

QN73: Percentage of students who did not eat carrots (one or more times during the 7 days before the survey)

45.0 46.3 45.5 48.2 No linear change Not available No change

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from 2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN74: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey)

12.6 13.0 14.1 14.0 No linear change Not available[¶] No change

QNVEG0: Percentage of students who did not eat vegetables (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)

5.4 4.3 5.1 5.8 No linear change Not available No change

QNVEG1: Percentage of students who ate vegetables one or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)

68.2 65.5 64.6 63.6 Decreased, 2013-2018 Not available No change

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from 2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QNVEG2: Percentage of students who ate vegetables two or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)

27.9 25.9 24.3 21.6 Decreased, 2013-2018 Not available[¶] No change

QNVEG3: Percentage of students who ate vegetables three or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)

12.3 10.7 10.5 8.8 Decreased, 2013-2018 Not available No change

QN75: Percentage of students who did not drink a can, bottle, or glass of soda or pop (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey)

28.2 28.5 30.6 33.2 Increased, 2013-2018 Not available No change

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from 2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey)

18.2 17.1 14.1 12.9 Decreased, 2013-2018 Not available[¶] No change

QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey)

11.5 9.2 9.2 7.3 Decreased, 2013-2018 Not available No change

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*
Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [‡] | Change from 2016-2018 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN78: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available [¶] | No change | |
| QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | Increased, 2013-2018 | Not available | No change | |
| QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available | Increased | |

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*
Physical Activity

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN79: Percentage of students who watched television 3 or more hours per day (on an average school day)

23.3 20.4 18.2 15.2 Decreased, 2013-2018 Not available[¶] Decreased

QN80: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day)

29.6 34.6 35.2 41.4 Increased, 2013-2018 Not available Increased

QN81: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)

30.9 36.2 30.3 31.0 No linear change Not available No change

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*
Physical Activity

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)

19.2 19.4 18.7 18.3 No linear change Not available[¶] No change

QN83: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

14.7 15.1 No linear change Not available No change

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*
Other

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN86: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)

82.8 85.4 84.7 No linear change Not available[¶] No change

QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)

0.5 1.0 0.9 No linear change Not available No change

QN87: Percentage of students who had ever been told by a doctor or nurse that they had asthma

22.4 20.7 22.9 23.4 No linear change Not available No change

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [‡] | Change from 2016-2018 [§] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN90: Percentage of students who are transgender | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 1.7 | 1.4 | No linear change | Not available [¶] | No change |
| QN93: Percentage of students who talked on a cell phone while driving (on at least 1 day during the 30 days before the survey, among students who drove a car or other vehicle) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 33.6 | 33.6 | No linear change | Not available | No change |
| QN94: Percentage of students who smoked a whole cigarette before age 13 years (for the first time) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 6.6 | 4.1 | 4.7 | 2.7 | Decreased, 2013-2018 | Not available | Decreased | |
| QN98: Percentage of students who smoked tobacco in a hookah, narghile, or other type of waterpipe (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 3.3 | 2.3 | No linear change | Not available | No change |

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*
Site-Added

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[‡]

Change from
2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN99: Percentage of students who usually use a kind of flavoring other than tobacco flavor with an electronic vapor product (among students who have ever used an electronic vapor product)

96.8 98.9 97.8 No linear change Not available[¶] No change

QN101: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax

9.5 16.6 Increased, 2016-2018 Not available Increased

QN102: Percentage of students who think they definitely or probably will smoke a cigarette, cigar, cigarillo, or little cigar in the next year

17.5 13.5 Decreased, 2016-2018 Not available Decreased

QN103: Percentage of students who used flavored tobacco products (flavored cigars, cigarillos, or little cigars, flavored smokeless tobacco products, or both, not counting menthol cigarettes, during the 30 days before the survey)

13.7 11.6 8.1 6.3 Decreased, 2013-2018 Not available No change

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2016-2018 [§] | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|---------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | |
| QN104: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 12.1 | 10.0 | 8.8 | Decreased, 2014-2018 | Not available [¶] | No change | |
| QN105: Percentage of students who completely quit using all tobacco products (during the 12 months before the survey, among students who used tobacco products during the 12 months before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 32.0 | 39.1 | 32.7 | 8.0 | Decreased, 2013-2018 | Not available | Decreased |
| QN106: Percentage of students who live with someone who now smokes cigarettes or cigars | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 36.1 | 31.5 | 29.2 | 29.4 | Decreased, 2013-2018 | Not available | No change |
| QN107: Percentage of students who report the rule about smoking inside their home is that smoking is not allowed anywhere inside their home (not counting decks, garages, or porches) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 85.4 | 85.3 | No linear change | Not available | No change | |

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2016-2018 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN108: Percentage of students who were in the same room with someone who was smoking (on at least one day during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 26.8 | 26.4 | | No linear change | Not available [¶] | No change |
| QN110: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 77.0 | 72.6 | 73.8 | 68.3 | Decreased, 2013-2018 | Not available | Decreased |
| QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 24.2 | 20.2 | 24.9 | 32.1 | Increased, 2013-2018 | Not available | Increased |
| QN118: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 16.8 | 11.5 | 15.5 | 22.3 | Increased, 2013-2018 | Not available | Increased |

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

White*
Site-Added

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2016-2018[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN119: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life

83.0 84.1 81.8 82.0 No linear change Not available[¶] No change

*Non-Hispanic.

[†]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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Hispanic
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN9: Percentage of students who rode with a driver who had been drinking alcohol (in a car or other vehicle, one or more times during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 29.2 | 27.6 | 17.3 | 22.1 | Decreased, 2013-2018 | Not available [§] | No change |
| QN13: Percentage of students who carried a weapon on school property (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 14.8 | 9.5 | 8.2 | 13.3 | No linear change | Not available | No change |
| QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 11.9 | 9.9 | | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Hispanic
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|------|----------------------|--|----------------------------|--|-----------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | |
| QN16: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | 19.5 | 15.7 | 8.5 | 13.5 | Decreased, 2013-2018 | | Not available [§] | | No change | |
| QN18: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | 26.4 | 18.1 | 11.8 | 15.5 | Decreased, 2013-2018 | | Not available | | No change | |
| QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey) | | | | | | | | | | | | | | 40.3 | 28.3 | 27.8 | 33.1 | No linear change | | Not available | | No change | |
| QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media, ever during the 12 months before the survey) | | | | | | | | | | | | | | 31.6 | 22.7 | 21.8 | 24.3 | No linear change | | Not available | | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Hispanic
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|-------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN25: Percentage of students who felt sad or hopeless (almost every day for >=2 weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey) | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| | | | | | | | | | | | 42.4 | 29.1 | 35.9 | 41.6 | | | |
| QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 23.6 | 22.9 | 26.0 | 30.1 | | | |
| QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 22.7 | 21.5 | 22.0 | 25.2 | | | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Hispanic
Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|----------------------|----------------------|---------------|----------------------------|-----------|-----------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | |
| QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | 23.0 | 14.7 | 11.0 | 12.5 | Decreased, 2013-2018 | | Not available [§] | | No change | |
| QNFRDIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey) | | | | | | | | | | | | | | | 9.3 | 6.7 | 2.9 | 4.4 | Decreased, 2013-2018 | | Not available | | No change | |
| QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | 6.4 | 6.7 | 2.9 | 4.0 | Decreased, 2013-2018 | | Not available | | 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]) | | | | | | | | | | | | | | | 36.1 | 43.8 | 51.0 | Increased, 2014-2018 | | Not available | | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Hispanic
Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| 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) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 23.7 | 16.8 | 33.0 | No linear change | Not available [§] | Increased |
| QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 7.8 | 6.9 | 10.8 | No linear change | Not available | No change |
| QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 7.0 | 5.4 | 9.3 | No linear change | Not available | No change |
| QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 29.1 | 22.6 | 38.0 | No linear change | Not available | Increased |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Hispanic
Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|------------------|---------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | |
| QN37: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 9.3 | 9.6 | No linear change | Not available [§] | No change | | |
| 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) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 19.6 | 13.7 | 10.3 | 13.4 | No linear change | Not available | No change |
| QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 28.9 | 19.2 | 15.1 | 18.5 | No linear change | Not available | 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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Trend Analysis Report

Hispanic

Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 34.8 | 21.2 | 21.4 | 21.2 | Decreased, 2013-2018 | Not available [§] | No change |
| QN41: Percentage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 37.7 | 28.6 | 25.2 | 29.0 | No linear change | Not available | No change |
| QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students, within a couple of hours, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 17.1 | 17.9 | No linear change | Not available | 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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Maryland High School Survey

Carroll County

Trend Analysis Report

Hispanic

Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN45: Percentage of students who ever used marijuana (one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 37.3 | 32.3 | 29.1 | 34.5 | No linear change | Not available [§] | No change |
| QN46: Percentage of students who tried marijuana for the first time before age 13 years | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 17.1 | 9.9 | 9.9 | 12.7 | No linear change | Not available | No change |
| QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 21.4 | 19.8 | 19.8 | 24.7 | No linear change | Not available | No change |
| QN48: Percentage of students who ever used synthetic marijuana (one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 15.0 | 7.8 | 12.7 | No linear change | Not available | 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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Hispanic

Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN49: Percentage of students who ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet, one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 18.4 | 21.8 | | No linear change | Not available [§] | No change |
| QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 17.8 | 14.5 | 11.0 | 14.9 | No linear change | Not available | No change |
| QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 17.9 | 11.1 | 6.2 | 10.3 | No linear change | Not available | No change |
| QN53: Percentage of students who ever used methamphetamines (also called "speed," "crystal meth," "crank," "ice," or "meth," one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 17.7 | 10.9 | 4.3 | 11.8 | Decreased, 2013-2018 | Not available | Increased |

*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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Trend Analysis Report

Hispanic

Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN54: Percentage of students who ever used ecstasy (also called "MDMA," one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 19.6 | 13.8 | 10.6 | 13.8 | No linear change | Not available [§] | No change |
| QN56: Percentage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their body, one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 15.5 | 9.3 | 6.7 | 7.2 | Decreased, 2013-2018 | Not available | No change |
| QN57: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 39.1 | 30.1 | 19.5 | 29.5 | No linear change | Not available | Increased |

*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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Hispanic
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN58: Percentage of students who ever had sexual intercourse | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| QN59: Percentage of students who had sexual intercourse for the first time before age 13 years | | | | | | | | | | | | | | No linear change | Not available | No change | |
| QN60: Percentage of students who had sexual intercourse with four or more persons during their life | | | | | | | | | | | | | | No linear change | Not available | No change | |
| QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) | | | | | | | | | | | | | | No linear change | Not available | 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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Trend Analysis Report

Hispanic
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 14.0 | 16.9 | 20.3 | No linear change | Not available [§] | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report

Hispanic

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|------|------------------|--|--|--|----------------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | | | | | | |
| QNOWT: Percentage of students who were overweight (\geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | 15.0 | 14.8 | 19.6 | 16.4 | No linear change | | | | Not available [¶] | | No change |
| QNOBESE: Percentage of students who had obesity (\geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | 14.5 | 12.5 | 11.6 | 12.2 | No linear change | | | | Not available | | No change |
| QN67: Percentage of students who described themselves as slightly or very overweight | | | | | | | | | | | | | | 30.1 | 31.0 | 32.2 | 26.1 | No linear change | | | | Not available | | No change |
| QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey) | | | | | | | | | | | | | | 35.8 | 32.9 | 34.6 | 36.3 | No linear change | | | | Not available | | 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, $p < 0.05$.

[§]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

[¶]Not enough years of data to calculate.

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Hispanic

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from 2016-2018 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN70: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)

30.6 15.6 19.4 17.6 No linear change Not available[§] No change

QNFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (such as orange juice, apple juice, or grape juice, during the 7 days before the survey)

18.8 9.7 14.5 11.7 No linear change Not available No change

QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey)

49.5 52.7 49.7 50.8 No linear change Not available 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Hispanic

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 † | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNFR2: Percentage of students who ate fruit or drank 100% fruit juices two or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 30.8 | 29.9 | 23.7 | 24.0 | No linear change | Not available [§] | No change |
| QN71: Percentage of students who did not eat green salad (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 42.3 | 43.2 | 51.4 | 45.5 | No linear change | Not available | No change |
| QN72: Percentage of students who did not eat potatoes (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 38.4 | 36.6 | 43.2 | 39.2 | No linear change | Not available | No change |
| QN73: Percentage of students who did not eat carrots (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 52.3 | 58.1 | 58.0 | 50.1 | No linear change | Not available | 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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Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN74: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| | | | | | | | | | | | 23.5 | 24.8 | 24.4 | 20.9 | | | |
| QNVEG0: Percentage of students who did not eat vegetables (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 14.8 | 10.3 | 12.1 | 12.4 | | | |
| QNVEG1: Percentage of students who ate vegetables one or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | 62.9 | 55.8 | 49.2 | 58.3 | | | |

*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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report

Hispanic

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNVEG2: Percentage of students who ate vegetables two or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 35.4 | 26.9 | 18.6 | 24.1 | Decreased, 2013-2018 | Not available [§] | No change |
| QNVEG3: Percentage of students who ate vegetables three or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 18.6 | 17.8 | 5.4 | 12.6 | Decreased, 2013-2018 | Not available | Increased |
| QN75: Percentage of students who did not drink a can, bottle, or glass of soda or pop (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 35.7 | 31.1 | 30.3 | 37.6 | No linear change | Not available | 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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Maryland High School Survey

Carroll County

Trend Analysis Report

Hispanic

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 21.4 | 15.7 | 13.7 | 13.3 | No linear change | Not available [§] | No change |
| QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 16.8 | 11.1 | 9.2 | 7.4 | Decreased, 2013-2018 | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report

Hispanic
Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN78: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available | No change | |
| QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Hispanic
Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018† | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN79: Percentage of students who watched television 3 or more hours per day (on an average school day) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 25.1 | 23.5 | 20.9 | 18.8 | No linear change | Not available§ | No change |
| QN80: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 28.7 | 41.4 | 36.1 | 38.1 | No linear change | Not available | No change |
| QN81: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 38.4 | 42.5 | 28.5 | 37.6 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Hispanic
Physical Activity

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2016-2018 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)

17.3 24.3 13.1 17.1 No linear change Not available[§] No change

QN83: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

15.9 20.7 No linear change Not available 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Hispanic
Other

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2016-2018 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2014 2016 2018

QN86: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)

73.4 73.5 67.4 No linear change Not available[§] No change

QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)

3.0 5.5 5.2 No linear change Not available No change

QN87: Percentage of students who had ever been told by a doctor or nurse that they had asthma

32.6 32.3 30.9 28.4 No linear change Not available 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Hispanic
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN90: Percentage of students who are transgender | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 6.1 | 4.6 | No linear change | Not available [§] | No change |
| QN94: Percentage of students who smoked a whole cigarette before age 13 years (for the first time) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 23.7 | 11.7 | 8.9 | 13.5 | Decreased, 2013-2018 | Not available | No change |
| QN98: Percentage of students who smoked tobacco in a hookah, narghile, or other type of waterpipe (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 6.4 | 8.9 | No linear change | Not available | No change |
| QN101: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 11.6 | 17.4 | No linear change | Not available | 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.

2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report

Hispanic
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN102: Percentage of students who think they definitely or probably will smoke a cigarette, cigar, cigarillo, or little cigar in the next year | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 21.0 | 26.1 | | No linear change | Not available [§] | No change |
| QN103: Percentage of students who used flavored tobacco products (flavored cigars, cigarillos, or little cigars, flavored smokeless tobacco products, or both, not counting menthol cigarettes, during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 16.6 | 16.3 | 10.2 | 7.7 | Decreased, 2013-2018 | Not available | No change |
| QN104: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 13.3 | 8.9 | 6.9 | Decreased, 2014-2018 | Not available | No change |
| QN106: Percentage of students who live with someone who now smokes cigarettes or cigars | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 33.0 | 32.0 | 28.5 | 32.0 | No linear change | Not available | No change |

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

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[§]Not enough years of data to calculate.

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Trend Analysis Report

Hispanic
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|------------------|---------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | | | |
| QN107: Percentage of students who report the rule about smoking inside their home is that smoking is not allowed anywhere inside their home (not counting decks, garages, or porches) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 87.2 | 83.3 | No linear change | Not available [§] | No change | | |
| QN108: Percentage of students who were in the same room with someone who was smoking (on at least one day during the 7 days before the survey) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 22.8 | 31.5 | No linear change | Not available | No change | | |
| QN110: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 68.4 | 65.7 | 63.5 | 73.3 | No linear change | Not available | No change | | |
| QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 52.7 | 34.2 | 37.1 | 40.4 | No linear change | Not available | No change |

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2018 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Carroll County

Trend Analysis Report

Hispanic
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2016-2018 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2014 | 2016 | 2018 | | | |
| QN118: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 41.7 | 23.0 | 26.3 | 32.2 | No linear change | Not available [§] | No change |
| QN119: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 68.8 | 76.2 | 79.0 | 71.9 | No linear change | Not available | No change |

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[†]Based on t-test analysis, p < 0.05.

[§]Not enough years of data to calculate.