

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Total  
Injury and Violence**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						25.0	28.9	26.7	25.9	20.7	18.2	14.2	15.2	12.9		Decreased, 2005-2021	Decreased, 2005-2016 Decreased, 2016-2021	Decreased
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)																		
										8.8	7.1	5.9	5.2	4.1		Decreased, 2013-2021	Not available <sup>§</sup>	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

**Total  
Injury and Violence**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
											33.1	26.1	28.1	26.2	24.1	Decreased, 2013-2021	Not available <sup>§</sup>	Decreased
QN12: 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)																		
						6.9	5.9	4.6	5.3	4.8	4.3	7.4	5.7	4.1	Decreased, 2005-2021	No quadratic change	Decreased	
QN13: 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)																		
												5.5	4.5	3.6	Decreased, 2016-2021	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

**Total  
Injury and Violence**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021					
QN14: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)																				
																9.2	9.4	No linear change	Not available <sup>§</sup>	No change
QN15: 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)																				
							11.7	9.6	9.1	8.4	9.4	7.2	7.8	7.8	5.9		Decreased, 2005-2021	No quadratic change	Decreased	
QN17: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)																				
							14.9	12.4	11.2	11.0	14.3	12.2	12.2	12.0	7.2		Decreased, 2005-2021	No quadratic change	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Total  
Injury and Violence**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
											11.1	10.1	9.9	11.6	11.3	No linear change	Not available <sup>§</sup>	No change
QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey)																		
									20.9	21.2	19.6	17.7	18.2	16.7	13.7	Decreased, 2009-2021	Decreased, 2009-2016 Decreased, 2016-2021	Decreased
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)																		
										14.2	14.0	13.8	14.1	13.5	13.8	No linear change	No quadratic change	No change

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Total  
Injury and Violence

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
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)																			
							29.7	23.2	25.1	25.4	27.0	26.8	29.9	32.0	39.2		Increased, 2005-2021	No change, 2005-2014 Increased, 2014-2021	Increased
QN26: Percentage of students who seriously considered attempting suicide (during the 12 months before the survey)																			
							17.4	13.2	14.5	16.2	16.0	15.9	17.3	18.0	20.6		Increased, 2005-2021		Increased
QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey)																			
							12.2	10.2	11.6	12.6	12.5	12.7	14.4	16.2	15.4		Increased, 2005-2021	No quadratic change	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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2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Total Tobacco Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021					
QN31: Percentage of students who first tried cigarette smoking before age 13 years (even one or two puffs)																				
																7.9	6.4	Decreased, 2018-2021	Not available <sup>§</sup>	Decreased
QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)																				
						16.5	16.8	11.9	12.5	11.9	8.7	8.2	5.0	3.6			Decreased, 2005-2021		Decreased	
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)																				
						7.4	7.4	4.4	4.4	3.6	2.4	1.8	1.1	0.7			Decreased, 2005-2021	No quadratic change	Decreased	
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)																				
						5.4	5.2	3.5	3.2	2.5	1.8	1.3	0.8	0.5			Decreased, 2005-2021	No quadratic change	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Total  
Tobacco Use**

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2018-2021 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN34: Percentage of students who ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu])																		
												37.6	35.3	39.7	32.3	Decreased, 2014-2021	Not available <sup>§</sup>	Decreased
QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey)																		
												20.0	13.3	23.0	14.7	Decreased, 2014-2021	Not available	Decreased
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	2.0	5.5	4.0	Increased, 2014-2021	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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§Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

<b>Total Tobacco Use</b>																<b>Linear Change*</b>	<b>Quadratic Change*</b>	<b>Change from 2018-2021 †</b>
<b>Health Risk Behavior and Percentages</b>																		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)																		
												1.7	1.5	3.7	2.9	Increased, 2014-2021	Not available <sup>§</sup>	Decreased
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)																		
												21.3	15.5	23.5	14.9	Decreased, 2014-2021	Not available	Decreased
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)																		
												6.2	4.6	3.0	Decreased, 2016-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

<b>Total Tobacco Use</b>																<b>Linear Change*</b>	<b>Quadratic Change*</b>	<b>Change from 2018-2021 †</b>										
<b>Health Risk Behavior and Percentages</b>																												
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021													
QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey)																1.1	0.7	0.6	Decreased, 2016-2021	Not available <sup>§</sup>			No change					
QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey)																0.9	0.5	0.4	Decreased, 2016-2021	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)																11.6	11.0	12.7	12.9	12.5	10.3	9.0	6.0	3.2	Decreased, 2005-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

Total Tobacco Use		Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QNTB4: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products (on at least 1 day during the 30 days before the survey)																		
													17.8	24.5	15.6	Decreased, 2016-2021	Not available <sup>§</sup>	Decreased
QNFRCGR: Percentage of students who currently smoked cigars frequently (cigars, cigarillos, or little cigars, on 20 or more days during the 30 days before the survey)																		
						0.5	0.6	1.5	1.7	1.9	1.6	1.3	0.9	0.6	No linear change			Decreased
QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)																		
							20.0	20.2	17.0	16.2	15.8	12.6	12.3	8.1	5.0	Decreased, 2005-2021	Decreased, 2005-2016 Decreased, 2016-2021	Decreased
QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey)																		
						0.4	0.5	1.0	1.1	1.3	1.2	1.0	0.6	0.4	No linear change			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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Total  
Alcohol and Other Drug Use**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips)																			
						24.8	23.5	24.5	23.2	19.3	17.3	15.7	15.1	13.6		Decreased, 2005-2021	No quadratic change	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)																			
						39.8	42.9	37.0	34.8	31.2	26.1	25.5	24.1	19.4		Decreased, 2005-2021	No quadratic change	Decreased	
QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row if they were female or five or more drinks of alcohol in a row if they were male, within a couple of hours, on at least 1 day during the 30 days before the survey)																			
													13.0	12.0	9.8		Decreased, 2016-2021	Not available <sup>§</sup>	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

**Total**  
**Alcohol and Other Drug Use**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN46: Percentage of students who tried marijuana for the first time before age 13 years																		
						8.9	8.6	8.1	8.5	8.8	8.0	7.3	6.4	5.2		Decreased, 2005-2021		Decreased
QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey)																		
						18.5	19.4	21.9	23.2	19.8	18.8	18.4	17.6	15.0		Decreased, 2005-2021		Decreased
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)																		
												13.7	14.6	14.6		Increased, 2016-2021	Not available <sup>§</sup>	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Total**  
**Alcohol and Other Drug Use**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life)																			
							6.9	5.5	6.3	5.9	6.5	5.4	5.4	4.8	2.9		Decreased, 2005-2021	Decreased, 2005-2016 Decreased, 2016-2021	Decreased
QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life)																			
							2.6	2.4	4.1	4.2	4.9	4.2	4.3	3.7	2.5		No linear change		Decreased
QN53: Percentage of students who ever used methamphetamines (also called "speed," "crystal meth," "crank," "ice," or "meth," one or more times during their life)																			
							4.0	3.0	4.3	4.5	5.0	4.2	4.6	3.7	2.3		Decreased, 2005-2021	No change, 2005-2016 Decreased, 2016-2021	Decreased
QN54: Percentage of students who ever used ecstasy (also called "MDMA" or "Molly," one or more times during their life)																			
							5.0	6.3	6.4	6.9	8.3	6.4	5.5	4.9	3.0		Decreased, 2005-2021		Decreased

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

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## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Total  
Alcohol and Other Drug Use**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN55: 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)																		
						2.0	2.1	3.0	4.1	3.9	3.6	3.8	4.1	2.4		Increased, 2005-2021		Decreased
QN56: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey)																		
						28.9	27.4	29.3	30.4	29.1	26.2	23.5	23.2	19.8		Decreased, 2005-2021		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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

Total Sexual Behaviors		Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN57: Percentage of students who ever had sexual intercourse																		
											39.1	32.4	31.8	31.3	24.7	Decreased, 2013-2021	Not available <sup>§</sup>	Decreased
QN58: Percentage of students who had sexual intercourse for the first time before age 13 years																		
											6.6	5.0	4.3	3.9	3.0	Decreased, 2013-2021	Not available	Decreased
QN59: Percentage of students who had sexual intercourse with four or more persons during their life																		
											12.3	8.6	7.7	7.2	5.1	Decreased, 2013-2021	Not available	Decreased
QN60: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey)																		
											27.2	22.6	22.1	22.0	16.9	Decreased, 2013-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Total  
Sexual Behaviors**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN61: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)																		
											24.0	23.7	21.2	20.6	20.8	Decreased, 2013-2021	Not available <sup>§</sup>	No change
QN62: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active)																		
											61.5	61.3	56.9	56.7	49.6	Decreased, 2013-2021	Not available	Decreased
QN82: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood)																		
												13.6	15.2	13.7	9.1	Decreased, 2014-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Total**

**Weight Management and Dietary Behaviors**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN66: Percentage of students who described themselves as slightly or very overweight																		
						27.4	27.5	27.5	26.3	26.7	26.2	27.1	27.4	28.3		No linear change	No quadratic change	No change
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) <sup>§</sup>																		
						16.0	15.0	15.4	15.4	14.8	14.9	15.0	15.7	15.3		No linear change	No quadratic change	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) <sup>§</sup>																		
						12.6	12.9	12.0	12.0	11.0	11.5	13.1	12.8	15.9		No linear change		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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Total**

**Weight Management and Dietary Behaviors**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN68: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey)																		
						17.2	19.2	17.4	19.0	23.5	27.1	31.2	33.9	32.9		Increased, 2005-2021	No quadratic change	No change
QN69: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)																		
						15.6	18.5	15.0	14.0	15.7	15.9	16.3	15.6	16.8		No linear change		Increased
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)																		
						5.3	6.2	5.0	5.4	7.0	8.0	8.6	8.4	8.4		Increased, 2005-2021	No quadratic change	No change

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

<sup>†</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Total**

**Weight Management and Dietary Behaviors**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						58.7	55.2	64.2	61.3	60.4	56.6	53.9	53.7	51.6		Decreased, 2005-2021		Decreased
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)																		
						30.7	29.3	36.0	34.7	31.9	28.8	26.7	26.9	24.0		Decreased, 2005-2021		Decreased
QN70: Percentage of students who did not eat green salad (one or more times during the 7 days before the survey)																		
						36.4	37.7	38.2	37.9	38.1	42.0	44.8	45.7	48.0		Increased, 2005-2021		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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

<b>Total</b>																<b>Linear Change*</b>	<b>Quadratic Change*</b>	<b>Change from 2018-2021 †</b>
<b>Weight Management and Dietary Behaviors</b>																		
<b>Health Risk Behavior and Percentages</b>																		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN71: Percentage of students who did not eat potatoes (one or more times during the 7 days before the survey)																		
						34.1	35.4	34.7	36.5	35.9	38.9	38.9	41.3	43.7		Increased, 2005-2021	No quadratic change	Increased
QN72: Percentage of students who did not eat carrots (one or more times during the 7 days before the survey)																		
						58.7	56.9	54.3	51.7	52.0	53.5	55.0	54.8	59.1		No linear change		Increased
QN73: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey)																		
						14.5	16.3	17.6	18.5	17.0	18.4	20.1	18.9	19.4		Increased, 2005-2021	Increased, 2005-2016 No change, 2016-2021	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,  $p < 0.05$ .

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Total

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						5.6	5.8	5.9	7.3	7.1	8.4	9.0	9.0	9.5		Increased, 2005-2021	No quadratic change	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)																		
						59.1	58.3	60.9	61.1	62.2	59.2	57.4	57.7	53.9		Decreased, 2005-2021		Decreased
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)																		
						25.6	24.4	26.6	29.4	27.7	25.8	24.0	23.9	21.2		Decreased, 2005-2021		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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

<b>Total</b>																		
<b>Weight Management and Dietary Behaviors</b>																		
<b>Health Risk Behavior and Percentages</b>															<b>Linear Change*</b>	<b>Quadratic Change*</b>	<b>Change from 2018-2021 †</b>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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	11.3	12.6	15.3	13.8	13.4	12.0	11.9	10.2		Decreased, 2005-2021		Decreased
QN74: 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, one or more times during the 7 days before the survey)																		
								21.6	22.8	28.4	29.0	31.8	34.1	33.3		Increased, 2009-2021	Increased, 2009-2016 Increased, 2016-2021	No change
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)																		
								21.3	24.9	18.0	16.6	14.0	12.4	11.5		Decreased, 2009-2021	No quadratic change	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,  $p < 0.05$ .

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Total**

**Weight Management and Dietary Behaviors**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
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)																			
								14.0	17.2	12.0	11.0	8.9	7.7	6.7		Decreased, 2009-2021	No quadratic change	Decreased	
QN76: Percentage of students who did not eat breakfast (during the 7 days before the survey)																			
															17.9	23.6	Increased, 2018-2021	Not available <sup>§</sup>	Increased
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)																			
															29.7	23.8	Decreased, 2018-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

Total Physical Activity		Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN77: 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)																		
										41.2	40.1	36.9	35.2	36.5	38.5	Decreased, 2011-2021	Decreased, 2011-2016 Increased, 2016-2021	Increased
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)																		
										15.6	18.0	19.8	21.6	21.8	18.8	Increased, 2011-2021	Increased, 2011-2016 Decreased, 2016-2021	Decreased
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)																		
										21.4	21.6	19.5	17.9	19.4	19.6	No linear change	Decreased, 2011-2016 Increased, 2016-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

<b>Total Physical Activity</b>																<b>Linear Change*</b>	<b>Quadratic Change*</b>	<b>Change from 2018-2021 †</b>
<b>Health Risk Behavior and Percentages</b>																		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN79: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)																		
						37.6	37.0	39.3	37.8	39.1	37.6	36.4	37.1	35.3		No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)																		
						19.1	15.6	20.0	19.3	18.2	15.6	15.3	14.9	14.6		Decreased, 2005-2021	No quadratic change	No change
QN81: 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)																		
												16.8	16.5	13.1		Decreased, 2016-2021	Not available <sup>§</sup>	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

Total Other	Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018				2021
QN84: 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)																			
													76.1	76.6	76.3	74.1	Decreased, 2014-2021	Not available <sup>§</sup>	Decreased
QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)																			
													2.0	2.1	2.3	1.7	Decreased, 2014-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

<b>Total Site-Added</b>																<b>Linear Change*</b>	<b>Quadratic Change*</b>	<b>Change from 2018-2021 †</b>
<b>Health Risk Behavior and Percentages</b>																		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN87: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey)																		
													3.0	4.0	Increased, 2018-2021	Not available <sup>§</sup>	Increased	
QN88: Percentage of students who are transgender																		
													3.3	1.4	3.0	No linear change	Not available	Increased
QN89: 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)																		
													28.8	29.8	30.1	Increased, 2016-2021	Not available	No change
QN90: Percentage of students who usually obtained their own cigarettes by buying them in a store or gas station (during the 30 days before the survey among students who smoked cigarettes during the 30 days before the survey and who were aged <18 years)																		
													11.8	17.1	Increased, 2018-2021	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Total Site-Added		Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN92: Percentage of students who had someone refuse to sell them cigarettes because of their age (among students who tried to buy cigarettes during the 30 days before the survey)																		
											29.6	33.3	31.4	25.7	38.5	Increased, 2013-2021	Not available <sup>§</sup>	Increased
QN93: 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)																		
												93.3	95.2	95.6	95.4	Increased, 2014-2021	Not available	No change
QN94: Percentage of students who used electronic-vapor products mainly because a friend or family member used them																		
														13.0	10.0	Decreased, 2018-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

Total Site-Added		Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN95: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax																			
													8.3	13.4	13.7		Increased, 2016-2021	Not available <sup>§</sup>	No change
QN96: 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)																			
											13.3	11.6	7.4	4.5	2.1		Decreased, 2013-2021	Not available	Decreased
QN97: 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)																			
													5.6	3.5	1.9		Decreased, 2016-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

Total Site-Added		Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN98: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey)																			
												11.0	7.7	6.5	3.3	Decreased, 2014-2021	Not available <sup>§</sup>	Decreased	
QN99: 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)																			
												41.3	40.2	41.6	11.9	25.4	Decreased, 2013-2021	Not available	Increased
QN100: Percentage of students who live with someone who now smokes cigarettes or cigars																			
												36.9	35.8	30.4	27.5	26.0	Decreased, 2013-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

<b>Total Site-Added</b>																	<b>Linear Change*</b>	<b>Quadratic Change*</b>	<b>Change from 2018-2021 †</b>
<b>Health Risk Behavior and Percentages</b>																			
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN101: 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)																			
													80.7	82.1	81.2	No linear change	Not available <sup>§</sup>	No change	
QN102: 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)																			
													25.8	24.6	23.3	Decreased, 2016-2021	Not available	Decreased	
QN105: Percentage of students who gambled on a sports team, gambled when playing cards or a dice game, played one of their state's lottery games, gambled on the Internet, or bet on a game of personal skill such as pool or a video game (one or more times during the 12 months before the survey)																			
														22.1	15.3	Decreased, 2018-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

Total Site-Added		Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2018-2021 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021					
QN108: Percentage of students who reported that their family was often or sometimes worried that their food money would run out before they got money to buy more (during the 12 months before the survey)																				
																22.5	15.3	Decreased, 2018-2021	Not available <sup>§</sup>	Decreased
QN109: Percentage of students who reported that often or sometimes the food their family bought did not last and they did not have money to get more (during the 12 months before the survey)																				
																17.3	12.2	Decreased, 2018-2021	Not available	Decreased
QN116: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year)																				
											69.4	61.7	60.3	58.0	50.9	Decreased, 2013-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

Total Site-Added		Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends																		
											39.8	37.6	38.1	40.7	42.7	Increased, 2013-2021	Not available <sup>§</sup>	Increased
QN118: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in																		
											24.4	21.2	22.1	25.5	20.5	Decreased, 2013-2021	Not available	Decreased
QN120: 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																		
							84.7	84.9	83.1	79.7	77.3	78.2	77.0	76.6	72.3	Decreased, 2005-2021	No quadratic change*	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Injury and Violence**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						25.3	26.7	27.1	25.2	21.0	17.6	13.9	15.3	11.6		Decreased, 2005-2021	Decreased, 2005-2016 Decreased, 2016-2021	Decreased
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)																		
										10.7	8.6	6.7	6.5	4.4		Decreased, 2013-2021	Not available <sup>§</sup>	Decreased
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)																		
										35.2	28.6	28.3	27.3	24.7		Decreased, 2013-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Male Injury and Violence

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN12: 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)																		
						9.5	7.3	6.3	7.2	6.4	5.4	9.3	7.3	4.7		Decreased, 2005-2021	No quadratic change	Decreased
QN13: 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)																		
												7.6	6.4	4.7		Decreased, 2016-2021	Not available <sup>§</sup>	Decreased
QN14: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)																		
													8.8	8.4		No linear change	Not available	No change

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

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

<sup>§</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Injury and Violence**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN15: 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)																		
						13.5	10.3	10.0	10.6	11.3	8.7	9.7	8.9	6.4		Decreased, 2005-2021	No quadratic change	Decreased
QN17: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)																		
						19.4	14.5	14.3	13.0	17.6	15.1	14.7	15.0	9.1		Decreased, 2005-2021	No quadratic change	Decreased
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)																		
										9.7	8.5	8.8	10.6	9.7		No linear change	Not available <sup>§</sup>	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Injury and Violence**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey)																		
								19.5	21.2	18.1	15.5	16.1	14.8	11.8		Decreased, 2009-2021	No quadratic change	Decreased
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)																		
								10.4	10.7	10.2	11.1	10.8	11.0		No linear change	No quadratic change	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)																		
							21.5	15.5	20.2	19.2	19.7	18.7	21.0	23.5	27.3	Increased, 2005-2021	No change, 2005-2014 Increased, 2014-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Injury and Violence**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN26: Percentage of students who seriously considered attempting suicide (during the 12 months before the survey)																		
						12.9	10.3	11.3	12.9	11.6	10.9	12.4	13.0	14.0		No linear change	No quadratic change	No change
QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey)																		
						9.0	9.7	10.0	10.0	9.8	9.4	11.0	12.8	10.4		Increased, 2005-2021	No quadratic change	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Tobacco Use**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN31: Percentage of students who first tried cigarette smoking before age 13 years (even one or two puffs)																		
														9.3	7.1	Decreased, 2018-2021	Not available <sup>§</sup>	Decreased
QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)																		
						17.2	17.4	12.0	12.2	13.2	9.3	9.3	5.7	3.5		Decreased, 2005-2021	Decreased, 2005-2016 Decreased, 2016-2021	Decreased
QNFRSIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)																		
						7.4	8.0	4.4	4.5	4.4	2.8	2.0	1.2	0.9		Decreased, 2005-2021	No quadratic change	No change
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)																		
						4.9	5.7	3.5	2.9	3.2	2.1	1.5	0.9	0.6		Decreased, 2005-2021	No quadratic change	No change

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Male  
Tobacco Use

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN34: Percentage of students who ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu])																		
												38.0	35.5	39.4	28.8	Decreased, 2014-2021	Not available <sup>§</sup>	Decreased
QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey)																		
												20.8	14.0	22.7	11.9	Decreased, 2014-2021	Not available	Decreased
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)																		
												3.1	2.6	6.4	3.4	Increased, 2014-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Tobacco Use**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)																			
												2.4	2.0	4.4	2.5		Increased, 2014-2021	Not available <sup>§</sup>	Decreased
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)																			
												21.9	16.4	23.1	12.1		Decreased, 2014-2021	Not available	Decreased
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)																			
													8.3	6.3	3.6		Decreased, 2016-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Tobacco Use**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †								
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021										
QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey)															1.7	1.1	0.8	Decreased, 2016-2021	Not available <sup>§</sup>	No change					
QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey)															1.3	0.8	0.6	Decreased, 2016-2021	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)															16.5	13.8	16.4	16.1	15.5	12.3	10.9	7.5	4.0	Decreased, 2005-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Tobacco Use**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QNTB4: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products (on at least 1 day during the 30 days before the survey)																Decreased, 2016-2021	Not available <sup>§</sup>	Decreased	
							19.3	24.2	13.0										
QNFRCGR: Percentage of students who currently smoked cigars frequently (cigars, cigarillos, or little cigars, on 20 or more days during the 30 days before the survey)																No linear change		Decreased	
						0.9	0.9	1.3	2.1	2.6	2.1	1.6	1.2	0.7					
QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)																Decreased, 2005-2021	Decreased, 2005-2016 Decreased, 2016-2021	Decreased	
						22.3	22.5	18.2	17.1	18.0	13.9	14.3	9.5	5.4					
QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey)																No linear change		No change	
						0.6	0.6	1.1	1.6	1.8	1.6	1.2	0.8	0.6					

\*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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Male

#### Alcohol and Other Drug Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips)																		
						25.4	26.3	26.9	24.1	21.1	18.3	16.5	16.1	13.5		Decreased, 2005-2021		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)																		
						37.6	40.3	34.4	32.3	29.3	23.0	22.2	21.0	15.8		Decreased, 2005-2021	No quadratic change	Decreased
QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row if they were female or five or more drinks of alcohol in a row if they were male, within a couple of hours, on at least 1 day during the 30 days before the survey)																		
												11.8	10.9	8.4		Decreased, 2016-2021	Not available <sup>§</sup>	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Male

Alcohol and Other Drug Use

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN46: Percentage of students who tried marijuana for the first time before age 13 years																		
						11.4	11.6	10.8	11.1	11.3	9.8	9.0	7.4	5.8		Decreased, 2005-2021		Decreased
QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey)																		
						18.5	23.0	24.6	25.9	21.6	19.4	17.6	16.5	13.6		Decreased, 2005-2021		Decreased
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)																		
												13.5	13.3	12.2		Decreased, 2016-2021	Not available <sup>§</sup>	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Male  
Alcohol and Other Drug Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life)																		
						8.5	7.0	7.7	6.8	8.1	6.7	6.8	6.0	3.3		Decreased, 2005-2021	Decreased, 2005-2016 Decreased, 2016-2021	Decreased
QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life)																		
						2.8	3.7	5.8	5.7	6.3	5.5	5.3	4.9	3.1		No linear change		Decreased
QN53: Percentage of students who ever used methamphetamines (also called "speed," "crystal meth," "crank," "ice," or "meth," one or more times during their life)																		
						5.8	3.9	6.0	5.8	6.4	5.4	5.6	4.9	3.0		Decreased, 2005-2021	No change, 2005-2016 Decreased, 2016-2021	Decreased
QN54: Percentage of students who ever used ecstasy (also called "MDMA" or "Molly," one or more times during their life)																		
						4.8	7.1	7.7	7.5	10.3	7.9	6.7	6.2	3.5		Decreased, 2005-2021		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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Male

Alcohol and Other Drug Use

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN55: 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)																			
						2.2	2.9	4.1	5.0	5.0	4.4	4.8	5.1	2.8	No linear change	Increased, 2005-2016 Decreased, 2016-2021	Decreased		
QN56: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey)																			
						31.2	31.0	33.7	33.1	33.0	28.1	24.6	24.0	20.2	Decreased, 2005-2021		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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Male Sexual Behaviors

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †										
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021												
QN57: Percentage of students who ever had sexual intercourse															41.9	35.0	33.9	33.7	26.1						Decreased, 2013-2021	Not available <sup>§</sup>	Decreased
QN58: Percentage of students who had sexual intercourse for the first time before age 13 years															10.2	7.8	6.5	6.0	3.8						Decreased, 2013-2021	Not available	Decreased
QN59: Percentage of students who had sexual intercourse with four or more persons during their life															15.4	11.4	9.8	9.1	6.1						Decreased, 2013-2021	Not available	Decreased
QN60: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey)															27.5	23.0	21.8	21.8	17.0						Decreased, 2013-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Male Sexual Behaviors

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN61: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)																		
											27.9	26.1	22.6	22.0	20.0	Decreased, 2013-2021	Not available <sup>§</sup>	No change
QN62: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active)																		
											67.2	67.3	64.2	63.3	53.8	Decreased, 2013-2021	Not available	Decreased
QN82: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood)																		
												14.2	16.1	13.9	8.6	Decreased, 2014-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Male

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN66: Percentage of students who described themselves as slightly or very overweight																		
						21.8	22.6	22.5	21.8	21.7	21.6	22.9	22.8	25.6		No linear change	No quadratic change	Increased
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) <sup>§</sup>																		
						16.2	15.0	15.8	15.5	14.8	14.5	14.2	14.5	14.3		Decreased, 2005-2021	No quadratic change	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) <sup>§</sup>																		
						15.5	16.6	15.4	13.4	13.8	14.1	15.4	14.6	18.4		No linear change		Increased

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

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

<sup>§</sup>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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Male

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN68: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey)																		
						15.8	17.9	17.0	19.1	22.5	25.9	29.5	32.7	31.3		Increased, 2005-2021	No quadratic change	No change
QN69: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)																		
						16.4	21.2	18.4	14.7	18.5	17.3	18.3	17.7	18.3		No linear change	No quadratic change	No change
QNFRO: 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)																		
						5.4	7.5	6.2	5.9	8.5	9.1	9.9	9.9	9.2		Increased, 2005-2021	No quadratic change	No change

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

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

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Male

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						60.2	55.3	62.9	62.3	60.7	58.7	55.2	54.4	53.0		Decreased, 2005-2021		No change
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)																		
						33.8	30.1	36.3	36.5	32.7	30.3	27.8	27.7	26.0		Decreased, 2005-2021		Decreased
QN70: Percentage of students who did not eat green salad (one or more times during the 7 days before the survey)																		
						40.5	41.5	43.6	39.1	42.3	45.5	48.5	49.3	51.6		Increased, 2005-2021		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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Male

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN71: Percentage of students who did not eat potatoes (one or more times during the 7 days before the survey)																		
						31.4	34.8	32.3	33.9	34.5	37.6	37.8	40.8	41.7		Increased, 2005-2021	No quadratic change	No change
QN72: Percentage of students who did not eat carrots (one or more times during the 7 days before the survey)																		
						58.6	53.0	54.4	49.2	50.6	51.5	53.6	53.5	58.5		No linear change		Increased
QN73: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey)																		
						16.6	18.2	20.2	21.2	19.3	20.1	22.4	21.2	20.5		Increased, 2005-2021	Increased, 2005-2016 Decreased, 2016-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Male

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						6.2	6.0	7.7	9.0	8.7	9.8	10.6	10.9	10.9		Increased, 2005-2021	No quadratic change	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)																		
						57.8	59.2	59.5	62.4	62.2	59.9	58.0	57.9	54.4		No linear change		Decreased
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)																		
						23.5	25.3	26.5	31.6	28.2	27.3	25.1	24.6	22.6		No linear change		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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Male

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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	12.4	13.3	16.6	14.4	14.8	12.7	12.3	11.2		No linear change	No change, 2005-2014 Decreased, 2014-2021	No change
QN74: 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, one or more times during the 7 days before the survey)																		
									19.9	22.4	25.5	27.0	29.8	30.8	31.2	Increased, 2009-2021	Increased, 2009-2016 No change, 2016-2021	No change
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)																		
									23.8	27.1	20.8	19.1	15.7	14.3	13.3	Decreased, 2009-2021	No quadratic change	No change

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

†Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Male

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
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)																			
								15.7	18.9	13.7	12.5	9.9	9.1	7.6		Decreased, 2009-2021	No quadratic change	Decreased	
QN76: Percentage of students who did not eat breakfast (during the 7 days before the survey)																			
															17.5	22.0	Increased, 2018-2021	Not available <sup>§</sup>	Increased
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)																			
															33.1	28.5	Decreased, 2018-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Physical Activity**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN77: 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)																Decreased, 2011-2021	Decreased, 2011-2016 Increased, 2016-2021	Increased
										50.1	46.8	44.0	42.2	42.9	46.0			
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	Increased, 2011-2016 Decreased, 2016-2021	Decreased
										13.4	14.9	16.6	17.8	18.0	14.1			
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	Decreased, 2011-2016 Increased, 2016-2021	No change
										28.0	27.5	25.0	23.4	24.8	25.4			

\*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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Physical Activity**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN79: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)																		
						44.9	44.4	48.1	44.4	46.7	44.3	43.3	43.0	41.9		No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)																		
						21.6	18.2	24.2	24.2	22.7	18.7	18.3	17.5	17.9		No linear change	No quadratic change	No change
QN81: 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)																		
												18.6	19.0	15.2		Decreased, 2016-2021	Not available <sup>§</sup>	Decreased

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

<sup>†</sup>Based on t-test analysis, p < 0.05.

<sup>§</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

Male Other	Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018				2021
QN84: 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)																			
													75.2	75.6	75.4	73.3	Decreased, 2014-2021	Not available <sup>§</sup>	Decreased
QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)																			
													2.5	2.5	2.8	1.9	Decreased, 2014-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Site-Added**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN87: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey)																		
													3.5	4.4	Increased, 2018-2021	Not available <sup>§</sup>	Increased	
QN88: Percentage of students who are transgender																		
												3.9	1.4	2.3	Decreased, 2016-2021	Not available	Increased	
QN89: 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)																		
												29.6	30.7	30.0	No linear change	Not available	No change	
QN90: Percentage of students who usually obtained their own cigarettes by buying them in a store or gas station (during the 30 days before the survey among students who smoked cigarettes during the 30 days before the survey and who were aged <18 years)																		
												15.6	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Site-Added**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN92: Percentage of students who had someone refuse to sell them cigarettes because of their age (among students who tried to buy cigarettes during the 30 days before the survey)																		
											33.4	36.4	34.0	27.7	40.3	No linear change	Not available <sup>§</sup>	Increased
QN93: 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)																		
												91.9	94.1	94.2	94.7	Increased, 2014-2021	Not available	No change
QN94: Percentage of students who used electronic-vapor products mainly because a friend or family member used them																		
														10.7	7.7	Decreased, 2018-2021	Not available	Decreased

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

<sup>†</sup>Based on t-test analysis, p < 0.05.

<sup>§</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Site-Added**

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2018-2021 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN95: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax																		
													9.0	13.4	11.9	Increased, 2016-2021	Not available <sup>§</sup>	Decreased
QN96: 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)																		
											15.8	13.3	9.1	5.6	2.4	Decreased, 2013-2021	Not available	Decreased
QN97: 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)																		
													6.0	3.7	1.8	Decreased, 2016-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Site-Added**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN98: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey)																			
												10.8	7.6	5.7	2.4	Decreased, 2014-2021	Not available <sup>§</sup>	Decreased	
QN99: 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)																			
												40.4	39.5	41.6	13.3	27.4	Decreased, 2013-2021	Not available	Increased
QN100: Percentage of students who live with someone who now smokes cigarettes or cigars																			
												36.5	34.9	29.5	26.4	25.1	Decreased, 2013-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Site-Added**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN101: 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)																		
													81.1	82.4	82.2	No linear change	Not available <sup>§</sup>	No change
QN102: 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)																		
													23.9	22.9	20.9	Decreased, 2016-2021	Not available	Decreased
QN105: Percentage of students who gambled on a sports team, gambled when playing cards or a dice game, played one of their state's lottery games, gambled on the Internet, or bet on a game of personal skill such as pool or a video game (one or more times during the 12 months before the survey)																		
														31.0	23.0	Decreased, 2018-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Site-Added**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021					
QN108: Percentage of students who reported that their family was often or sometimes worried that their food money would run out before they got money to buy more (during the 12 months before the survey)																				
																21.1	14.0	Decreased, 2018-2021	Not available <sup>§</sup>	Decreased
QN109: Percentage of students who reported that often or sometimes the food their family bought did not last and they did not have money to get more (during the 12 months before the survey)																				
																16.8	11.6	Decreased, 2018-2021	Not available	Decreased
QN116: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year)																				
											70.2	62.5	61.7	58.8	52.3			Decreased, 2013-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Male  
Site-Added**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends																No linear change	Not available <sup>§</sup>	No change
						41.3	39.3	39.5	42.5	42.1								
QN118: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in																Decreased, 2013-2021	Not available	Decreased
						28.2	23.9	24.6	28.0	20.9								
QN120: 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																Decreased, 2005-2021	No quadratic change*	Decreased
						82.0	83.5	79.7	80.4	76.0	77.4	75.6	75.7	72.3				

\*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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Female  
Injury and Violence

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						24.7	31.0	26.2	26.0	19.7	18.6	14.0	14.1	14.0		Decreased, 2005-2021	No quadratic change	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)																		
										6.4	5.0	4.4	3.2	3.5		Decreased, 2013-2021	Not available <sup>§</sup>	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)																		
										30.4	22.6	26.7	24.1	22.7		Decreased, 2013-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Female Injury and Violence

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN12: 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	4.2	2.6	2.8	2.9	2.8	4.5	3.4	3.0		No linear change	No quadratic change	No change
QN13: 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)																		
												2.6	1.9	2.2		No linear change	Not available <sup>§</sup>	No change
QN14: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)																		
													8.7	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,  $p < 0.05$ .

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

<sup>§</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Female Injury and Violence

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN15: 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)																		
						9.8	8.6	7.8	5.3	6.8	5.3	5.2	5.7	4.9		Decreased, 2005-2021	No quadratic change	No change
QN17: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)																		
						10.4	10.0	7.8	8.5	10.2	8.5	8.7	8.3	4.8		Decreased, 2005-2021	No quadratic change	Decreased
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)																		
										12.0	11.2	10.1	11.8	12.2		No linear change	Not available <sup>§</sup>	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Injury and Violence**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey)																			
									22.2	20.8	20.9	19.8	19.9	18.3	15.2		Decreased, 2009-2021	No change, 2009-2016 Decreased, 2016-2021	Decreased
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)																			
									17.4	17.2	17.2	17.0	15.9	16.3		No linear change	No quadratic change	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)																			
									38.1	30.7	30.1	31.4	34.2	35.0	38.7	40.6	50.8	Increased, 2005-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Injury and Violence**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN26: Percentage of students who seriously considered attempting suicide (during the 12 months before the survey)																		
						22.0	15.8	17.4	19.3	20.0	20.7	21.8	22.7	26.7		Increased, 2005-2021		Increased
QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey)																		
						15.6	10.8	13.0	14.5	15.0	15.9	17.7	19.2	20.0		Increased, 2005-2021		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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Female Tobacco Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021					
QN31: Percentage of students who first tried cigarette smoking before age 13 years (even one or two puffs)																				
																5.9	5.3	No linear change	Not available <sup>§</sup>	No change
QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)																				
						16.0	15.8	11.6	12.3	10.0	7.7	6.3	3.5	3.2			Decreased, 2005-2021		No change	
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)																				
						7.4	6.6	4.3	4.1	2.7	1.9	1.4	0.7	0.4			Decreased, 2005-2021	No quadratic change	Decreased	
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)																				
						5.8	4.5	3.4	3.2	1.8	1.4	1.0	0.6	0.3			Decreased, 2005-2021	No quadratic change	Decreased	

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

<sup>†</sup>Based on t-test analysis, p < 0.05.

<sup>§</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Tobacco Use**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>								
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021											
QN34: Percentage of students who ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu])																37.0	34.9	39.9	35.7	No linear change				Not available <sup>§</sup>		Decreased
QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey)																18.7	12.1	23.1	17.1	Increased, 2014-2021				Not available		Decreased
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)																1.5	1.1	4.5	4.5	Increased, 2014-2021				Not available		No change

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

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

<sup>§</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Female Tobacco Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)																			
												0.9	0.8	2.9	3.2		Increased, 2014-2021	Not available <sup>§</sup>	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)																			
												20.3	14.1	23.6	17.4		No linear change	Not available	Decreased
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)																			
													3.2	2.1	1.9		Decreased, 2016-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Tobacco Use**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †											
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021														
QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey)																0.5	0.3	0.3	No linear change	Not available <sup>§</sup>			No change						
QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey)																0.3	0.2	0.2	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)																6.7	7.9	8.8	8.9	8.7	7.8	6.3	3.8	1.9	Decreased, 2005-2021	No change, 2005-2014 Decreased, 2014-2021			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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Female  
Tobacco Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QNTB4: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products (on at least 1 day during the 30 days before the survey)																		
													15.9	24.5	17.8	No linear change	Not available <sup>§</sup>	Decreased
QNFRCGR: Percentage of students who currently smoked cigars frequently (cigars, cigarillos, or little cigars, on 20 or more days during the 30 days before the survey)																		
						0.1	0.2	1.5	1.1	1.0	1.0	0.9	0.5	0.4		No linear change		No change
QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)																		
							17.8	17.7	15.7	15.0	13.1	11.0	9.6	5.8	4.1		Decreased, 2005-2021	Decreased
QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey)																		
						0.1	0.2	0.8	0.4	0.7	0.7	0.6	0.3	0.3		No linear change	Increased, 2005-2014 Decreased, 2014-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Alcohol and Other Drug Use**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips)																			
						24.1	20.3	21.8	22.2	17.1	15.9	14.4	13.6	13.4		Decreased, 2005-2021	No quadratic change	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)																			
						41.9	45.3	39.4	36.8	33.0	29.1	28.6	26.8	22.7		Decreased, 2005-2021	No quadratic change	Decreased	
QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row if they were female or five or more drinks of alcohol in a row if they were male, within a couple of hours, on at least 1 day during the 30 days before the survey)																			
													13.9	12.6	11.0		Decreased, 2016-2021	Not available <sup>§</sup>	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Alcohol and Other Drug Use**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN46: Percentage of students who tried marijuana for the first time before age 13 years																			
						6.5	5.3	5.3	6.0	5.8	5.9	5.1	5.0	4.4		Decreased, 2005-2021	No quadratic change	No change	
QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey)																			
						18.4	15.9	19.2	20.4	17.8	18.2	19.0	18.3	16.2		No linear change	No quadratic change	Decreased	
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)																			
													13.2	15.1	16.5		Increased, 2016-2021	Not available <sup>§</sup>	No change

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

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

<sup>§</sup>Not enough years of data to calculate.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Female  
Alcohol and Other Drug Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life)																Decreased, 2005-2021	No quadratic change	Decreased
QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life)																No linear change	No quadratic change	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)																No linear change	No change, 2005-2016 Decreased, 2016-2021	Decreased
QN54: Percentage of students who ever used ecstasy (also called "MDMA" or "Molly," one or more times during their life)																Decreased, 2005-2021		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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Female  
Alcohol and Other Drug Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN55: 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)																		
						1.7	0.7	1.4	2.5	2.5	2.4	2.4	2.7	1.7		No linear change	No quadratic change	Decreased
QN56: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey)																		
						26.6	23.4	24.8	27.4	25.0	24.1	22.2	22.0	19.1		Decreased, 2005-2021	No quadratic change	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Female Sexual Behaviors

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN57: Percentage of students who ever had sexual intercourse															Decreased, 2013-2021	Not available <sup>§</sup>	Decreased	
											36.4	29.8	29.7	29.1	23.4			
QN58: Percentage of students who had sexual intercourse for the first time before age 13 years															Decreased, 2013-2021	Not available	No change	
											3.2	2.4	2.0	1.8	2.1			
QN59: Percentage of students who had sexual intercourse with four or more persons during their life															Decreased, 2013-2021	Not available	Decreased	
											9.3	5.9	5.6	5.3	3.9			
QN60: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey)															Decreased, 2013-2021	Not available	Decreased	
											26.7	22.1	22.2	22.1	16.6			

\*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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Female Sexual Behaviors

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN61: 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 <sup>§</sup>	No change	
						20.1	21.2	19.7	18.7	21.0								
QN62: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active)															Decreased, 2013-2021	Not available	Decreased	
						56.4	55.6	50.7	51.3	45.7								
QN82: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood)															Decreased, 2014-2021	Not available	Decreased	
							12.9	14.0	13.3	9.4								

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

<sup>†</sup>Based on t-test analysis, p < 0.05.

<sup>§</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Female

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN66: Percentage of students who described themselves as slightly or very overweight																		
						32.9	32.3	32.5	30.8	31.9	30.8	31.4	32.0	31.1		No linear change	No quadratic change	No change
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) <sup>§</sup>																		
						15.7	15.1	14.9	15.3	14.8	15.4	15.9	17.0	16.4		No linear change	No quadratic change	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) <sup>§</sup>																		
						9.6	9.1	8.5	10.5	8.2	8.8	10.8	10.9	13.4		Increased, 2005-2021		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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Female

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN68: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey)																		
						18.6	20.3	17.2	18.6	24.4	28.3	32.7	34.8	34.5		Increased, 2005-2021	No quadratic change	No change
QN69: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)																		
						15.0	15.5	11.2	13.2	12.7	14.5	14.2	13.2	15.0		No linear change		Increased
QNFRO: 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)																		
						5.2	4.5	3.4	4.9	5.3	6.7	7.3	6.8	7.5		Increased, 2005-2021	No quadratic change	No change

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

<sup>†</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Female

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						57.2	55.3	65.8	60.4	60.2	54.5	52.5	52.9	50.3		Decreased, 2005-2021		Decreased
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)																		
						27.6	28.4	35.9	32.8	31.2	27.3	25.6	26.0	21.9		Decreased, 2005-2021		Decreased
QN70: Percentage of students who did not eat green salad (one or more times during the 7 days before the survey)																		
						32.3	33.7	32.8	36.6	34.0	38.8	41.3	42.1	44.4		Increased, 2005-2021	No quadratic change	No change

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

†Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Female

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN71: Percentage of students who did not eat potatoes (one or more times during the 7 days before the survey)																		
						37.1	36.0	37.1	39.0	37.4	40.1	39.9	41.9	45.7		Increased, 2005-2021	No quadratic change	Increased
QN72: Percentage of students who did not eat carrots (one or more times during the 7 days before the survey)																		
						58.7	61.0	54.3	54.5	53.7	55.7	56.7	56.6	60.0		No linear change		Increased
QN73: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey)																		
						12.3	14.1	14.6	16.0	14.5	16.6	17.6	16.5	18.1		Increased, 2005-2021	No quadratic change	No change

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

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

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Female

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						5.1	5.2	4.2	5.6	5.6	6.9	7.4	7.0	8.1		Increased, 2005-2021	No quadratic change	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)																		
						60.3	57.6	62.1	59.9	62.1	58.3	56.5	57.2	53.2		Decreased, 2005-2021		Decreased
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)																		
						27.6	23.4	26.6	26.9	26.8	24.1	22.5	22.9	19.6		Decreased, 2005-2021	No quadratic change	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,  $p < 0.05$ .

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Female

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						12.6	9.9	11.7	13.8	13.0	11.8	11.1	11.2	9.0		Decreased, 2005-2021		Decreased
QN74: 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, one or more times during the 7 days before the survey)																		
								23.5	23.3	31.3	30.9	33.8	37.4	35.4		Increased, 2009-2021		No change
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)																		
								18.8	22.5	15.0	14.2	12.1	10.2	9.4		Decreased, 2009-2021	No quadratic change	No change

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

†Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Female

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
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)																			
								12.3	15.2	10.3	9.5	7.7	6.1	5.5		Decreased, 2009-2021	No quadratic change	No change	
QN76: Percentage of students who did not eat breakfast (during the 7 days before the survey)																			
															18.1	24.9	Increased, 2018-2021	Not available <sup>§</sup>	Increased
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)																			
															26.7	19.4	Decreased, 2018-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Physical Activity**

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2018-2021 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN77: 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)																		
										32.3	33.8	30.1	28.4	30.4	31.3	No linear change	No quadratic change	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)																		
										17.9	21.0	22.8	25.4	25.2	23.4	Increased, 2011-2021	Increased, 2011-2016 Decreased, 2016-2021	Decreased
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)																		
										14.7	16.0	14.1	12.6	14.3	14.0	No linear change	No quadratic change	No change

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

†Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Physical Activity**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN79: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)																		
						30.2	29.8	30.6	31.1	31.3	30.6	29.1	30.9	28.6		No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)																		
						16.6	13.3	15.9	14.5	13.9	12.6	12.3	12.4	11.5		Decreased, 2005-2021	No quadratic change	No change
QN81: 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)																		
												14.4	13.6	10.6		Decreased, 2016-2021	Not available <sup>§</sup>	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Female Other	Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>	
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018				2021
QN84: 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)																			
													77.5	78.3	77.8	75.3	Decreased, 2014-2021	Not available <sup>§</sup>	Decreased
QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)																			
													1.5	1.4	1.6	1.4	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.

<sup>†</sup>Based on t-test analysis, p < 0.05.

<sup>§</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Site-Added**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †			
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021					
QN87: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey)																				
																1.9	3.1	Increased, 2018-2021	Not available <sup>§</sup>	Increased
QN88: Percentage of students who are transgender																				
													2.2	1.1	3.1	Increased, 2016-2021	Not available	Increased		
QN89: 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)																				
													27.0	27.8	29.5	Increased, 2016-2021	Not available	No change		
QN90: Percentage of students who usually obtained their own cigarettes by buying them in a store or gas station (during the 30 days before the survey among students who smoked cigarettes during the 30 days before the survey and who were aged <18 years)																				
																6.7	15.6	Increased, 2018-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Site-Added**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN92: Percentage of students who had someone refuse to sell them cigarettes because of their age (among students who tried to buy cigarettes during the 30 days before the survey)																		
											22.2	27.5	25.3	19.1	35.4	Increased, 2013-2021	Not available <sup>§</sup>	Increased
QN93: 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)																		
											95.2	97.0	97.1	96.1	No linear change	Not available	No change	
QN94: Percentage of students who used electronic-vapor products mainly because a friend or family member used them																		
													15.1	12.2	Decreased, 2018-2021	Not available	Decreased	

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

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

<sup>§</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Site-Added**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN95: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax																		
													7.3	13.3	15.4	Increased, 2016-2021	Not available <sup>§</sup>	Increased
QN96: 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)																		
											10.5	9.7	5.1	3.1	1.6	Decreased, 2013-2021	Not available	Decreased
QN97: 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)																		
													4.4	2.8	1.7	Decreased, 2016-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Site-Added**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN98: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey)																		
											11.1	7.7	7.2	4.0		Decreased, 2014-2021	Not available <sup>§</sup>	Decreased
QN99: 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)																		
											42.4	40.7	41.2	10.5	23.9	Decreased, 2013-2021	Not available	Increased
QN100: Percentage of students who live with someone who now smokes cigarettes or cigars																		
											37.2	36.8	31.1	28.3	26.8	Decreased, 2013-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Site-Added**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN101: 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)																		
													80.7	82.3	80.4	No linear change	Not available <sup>§</sup>	Decreased
QN102: 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)																		
													27.2	25.5	25.3	No linear change	Not available	No change
QN105: Percentage of students who gambled on a sports team, gambled when playing cards or a dice game, played one of their state's lottery games, gambled on the Internet, or bet on a game of personal skill such as pool or a video game (one or more times during the 12 months before the survey)																		
														12.8	7.4	Decreased, 2018-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Female  
Site-Added**

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2018-2021 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN108: Percentage of students who reported that their family was often or sometimes worried that their food money would run out before they got money to buy more (during the 12 months before the survey)																		
													23.5	16.2	Decreased, 2018-2021	Not available <sup>§</sup>	Decreased	
QN109: Percentage of students who reported that often or sometimes the food their family bought did not last and they did not have money to get more (during the 12 months before the survey)																		
													17.4	12.6	Decreased, 2018-2021	Not available	Decreased	
QN116: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year)																		
											68.8	61.2	59.0	57.4	49.6	Decreased, 2013-2021	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Female  
Site-Added

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends																		
											38.0	35.7	36.4	38.7	43.3	Increased, 2013-2021	Not available <sup>§</sup>	Increased
QN118: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in																		
											20.2	18.2	19.3	22.3	19.8	Increased, 2013-2021	Not available	Decreased
QN120: 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																		
							87.5	86.4	86.8	79.5	78.8	79.0	78.6	77.5	72.5	Decreased, 2005-2021	No quadratic change*	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***  
**Injury and Violence**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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, 2005-2021	No quadratic change	Decreased
						26.9	28.9	28.3	22.6	19.1	18.7	13.5	14.9	12.6				
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, 2013-2021	Not available <sup>¶</sup>	Decreased
										8.8	7.2	5.4	6.0	4.3				
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, 2013-2021	Not available	No change
										38.1	30.6	31.9	32.4	30.1				

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***  
**Injury and Violence**

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>‡</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN12: 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)																		
						6.3	4.9	4.2	3.9	3.5	3.2	4.7	3.7	2.9		Decreased, 2005-2021	No quadratic change	Decreased
QN13: 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)																		
												3.4	2.9	2.3		Decreased, 2016-2021	Not available <sup>¶</sup>	Decreased
QN14: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)																		
													6.7	6.7		No linear change	Not available	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***  
**Injury and Violence**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN15: 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)																		
						11.6	8.7	6.4	5.4	7.1	5.5	5.5	6.1	5.1		Decreased, 2005-2021	Decreased, 2005-2014 No change, 2014-2021	Decreased
QN17: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)																		
						14.1	10.0	7.4	6.9	8.3	7.0	6.9	7.3	5.0		Decreased, 2005-2021		Decreased
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)																		
											9.3	8.7	7.6	9.3	10.0	No linear change	Not available <sup>¶</sup>	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***  
**Injury and Violence**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey)																			
								23.7	26.3	22.3	20.6	21.3	19.5	16.4		Decreased, 2009-2021	Decreased, 2009-2016 Decreased, 2016-2021	Decreased	
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)																			
								17.0	16.6	16.0	17.0	15.9	16.8			No linear change	No quadratic change	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)																			
								28.4	21.5	21.5	24.6	25.2	25.9	28.7	30.8	38.1	Increased, 2005-2021		Increased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

White\*  
Injury and Violence

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN26: Percentage of students who seriously considered attempting suicide (during the 12 months before the survey)																		
						19.1	14.6	12.1	16.3	14.9	15.8	16.6	17.8	19.9		No linear change		Increased
QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey)																		
						12.1	12.5	10.8	11.1	11.6	11.9	12.9	13.8	14.4		Increased, 2005-2021	No quadratic change	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

White\*  
Tobacco Use

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>‡</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN31: Percentage of students who first tried cigarette smoking before age 13 years (even one or two puffs)																		
														6.0	5.2	No linear change	Not available <sup>¶</sup>	Decreased
QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)																		
						21.4	18.5	15.7	16.5	13.8	10.8	8.6	5.4	4.6		Decreased, 2005-2021		No change
QNFRSIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)																		
						10.9	8.7	6.9	6.6	5.0	3.4	2.2	1.2	0.8		Decreased, 2005-2021	No quadratic change	Decreased
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)																		
						7.8	6.0	5.6	4.7	3.5	2.4	1.6	0.9	0.6		Decreased, 2005-2021	No quadratic change	Decreased

\*Non-Hispanic.

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

<sup>‡</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***  
**Tobacco Use**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN34: Percentage of students who ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu])																No linear change	Not available <sup>¶</sup>	Decreased
												38.9	36.1	46.7	35.5			
QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey)																No linear change	Not available	Decreased
												22.7	16.0	33.0	18.6			
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)																Increased, 2014-2021	Not available	Decreased
												3.0	2.6	9.6	6.3			

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***  
**Tobacco Use**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)																			
												2.1	1.9	6.5	4.7		Increased, 2014-2021	Not available <sup>¶</sup>	Decreased
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)																			
												24.5	18.3	33.4	19.0		Decreased, 2014-2021	Not available	Decreased
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)																			
													5.7	4.2	2.6		Decreased, 2016-2021	Not available	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

White* Tobacco Use																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
Health Risk Behavior and Percentages																		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey)																		
													1.4	0.8	0.5	Decreased, 2016-2021	Not available <sup>‡</sup>	No change
QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey)																		
													1.1	0.6	0.4	Decreased, 2016-2021	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)																		
						15.0	11.0	12.4	12.4	11.5	9.9	8.3	5.7	2.8		Decreased, 2005-2021	Decreased, 2005-2016 Decreased, 2016-2021	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>‡</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***  
**Tobacco Use**

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QNTB4: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products (on at least 1 day during the 30 days before the survey)																		
													20.5	34.0	19.4	Decreased, 2016-2021	Not available <sup>¶</sup>	Decreased
QNFRCGR: Percentage of students who currently smoked cigars frequently (cigars, cigarillos, or little cigars, on 20 or more days during the 30 days before the survey)																		
						0.3	0.5	1.4	1.4	1.3	1.3	1.1	0.7	0.5		No linear change	Increased, 2005-2014 Decreased, 2014-2021	No change
QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)																		
							24.8	21.9	20.3	19.8	17.3	14.4	12.3	8.4	5.8	Decreased, 2005-2021		Decreased
QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey)																		
						0.3	0.3	1.0	0.7	0.9	0.9	0.8	0.5	0.4		No linear change	Increased, 2005-2014 Decreased, 2014-2021	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***

**Alcohol and Other Drug Use**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips)																		
						23.5	23.6	19.3	20.1	16.5	15.7	14.2	12.4	12.9		Decreased, 2005-2021	No quadratic change	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)																		
						46.2	49.0	40.9	41.4	37.4	33.3	33.2	32.3	27.0		Decreased, 2005-2021	No quadratic change	Decreased
QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row if they were female or five or more drinks of alcohol in a row if they were male, within a couple of hours, on at least 1 day during the 30 days before the survey)																		
													18.4	17.9	14.6	Decreased, 2016-2021	Not available <sup>¶</sup>	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***

**Alcohol and Other Drug Use**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>‡</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN46: Percentage of students who tried marijuana for the first time before age 13 years																		
						7.9	7.3	4.8	5.7	6.1	6.0	4.9	4.3	4.2		Decreased, 2005-2021	No quadratic change	No change
QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey)																		
						20.8	16.8	21.2	23.4	19.7	18.8	18.6	18.7	15.2		Decreased, 2005-2021	No quadratic change	Decreased
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)																		
												12.2	11.0	12.4		No linear change	Not available <sup>¶</sup>	Increased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***

**Alcohol and Other Drug Use**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life)																		
						9.5	6.3	7.2	6.7	5.1	4.3	3.6	3.3	2.4		Decreased, 2005-2021	No quadratic change	Decreased
QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life)																		
						2.7	2.4	3.5	2.7	3.1	2.6	2.0	2.1	1.8		Decreased, 2005-2021	No quadratic change	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)																		
						5.2	3.1	4.4	3.1	3.3	2.7	2.3	2.1	1.8		Decreased, 2005-2021	No quadratic change	No change
QN54: Percentage of students who ever used ecstasy (also called "MDMA" or "Molly," one or more times during their life)																		
						6.5	6.7	7.1	6.2	7.1	5.3	3.7	3.4	2.9		Decreased, 2005-2021	No quadratic change	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

White\*

Alcohol and Other Drug Use

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN55: 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)																		
						2.0	1.5	2.6	3.0	2.4	2.2	2.1	2.5	1.6		No linear change	No quadratic change	Decreased
QN56: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey)																		
						33.6	30.4	26.7	28.2	26.4	24.1	22.0	22.8	18.3		Decreased, 2005-2021	No quadratic change	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### White\* Sexual Behaviors

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN57: Percentage of students who ever had sexual intercourse																Decreased, 2013-2021	Not available <sup>¶</sup>	Decreased
											36.8	30.3	30.9	30.4	25.3			
QN58: Percentage of students who had sexual intercourse for the first time before age 13 years																Decreased, 2013-2021	Not available	No change
											3.3	2.7	2.2	2.0	2.2			
QN59: Percentage of students who had sexual intercourse with four or more persons during their life																Decreased, 2013-2021	Not available	Decreased
											9.2	6.7	6.3	6.3	5.0			
QN60: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey)																Decreased, 2013-2021	Not available	Decreased
											27.2	22.5	22.6	22.6	18.2			

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***  
**Sexual Behaviors**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN61: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)																		
											25.4	25.7	22.2	23.2	21.9	Decreased, 2013-2021	Not available <sup>¶</sup>	No change
QN62: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active)																		
											60.4	59.3	55.9	57.8	50.4	Decreased, 2013-2021	Not available	Decreased
QN82: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood)																		
											9.7	10.9	10.3	7.5		Decreased, 2014-2021	Not available	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

White\*

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN66: Percentage of students who described themselves as slightly or very overweight																		
						29.2	29.0	28.4	26.7	27.0	26.1	26.7	26.9	26.6		Decreased, 2005-2021	No quadratic change	No change
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) <sup>¶</sup>																		
						14.0	12.4	14.4	12.5	12.3	12.8	12.8	12.9	12.8		No linear change	No quadratic change	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) <sup>¶</sup>																		
						11.3	9.8	7.6	9.1	9.1	9.2	10.1	9.7	11.9		No linear change		Increased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN68: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey)																		
						18.4	20.5	19.0	19.0	25.2	29.3	33.9	38.0	38.9		Increased, 2005-2021	No quadratic change	No change
QN69: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)																		
						11.2	13.9	11.4	8.8	11.2	12.0	12.3	12.0	13.1		No linear change	No quadratic change	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)																		
						4.6	5.7	4.3	3.9	5.7	6.8	7.2	7.3	7.7		Increased, 2005-2021	No quadratic change	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						60.2	57.6	67.7	65.0	62.5	58.7	56.4	55.0	53.0		Decreased, 2005-2021		No change
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)																		
						30.3	28.7	36.0	35.8	31.6	28.1	26.8	26.3	23.0		Decreased, 2005-2021		Decreased
QN70: Percentage of students who did not eat green salad (one or more times during the 7 days before the survey)																		
						30.3	30.8	30.2	30.5	32.4	35.9	37.6	39.3	41.5		Increased, 2005-2021	No quadratic change	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN71: Percentage of students who did not eat potatoes (one or more times during the 7 days before the survey)																		
						26.6	29.3	25.3	29.0	30.0	32.2	31.6	37.0	40.1		Increased, 2005-2021	Increased, 2005-2016 Increased, 2016-2021	Increased
QN72: Percentage of students who did not eat carrots (one or more times during the 7 days before the survey)																		
						50.2	45.5	44.4	43.8	44.6	46.1	47.7	47.0	51.0		No linear change		Increased
QN73: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey)																		
						9.6	13.5	12.9	11.6	12.8	14.1	14.8	14.3	15.3		Increased, 2005-2021	No quadratic change	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						3.6	3.2	2.6	4.9	4.7	5.5	5.9	5.9	7.2		Increased, 2005-2021	No quadratic change	Increased
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)																		
						65.3	65.3	68.4	68.7	68.3	65.5	64.1	64.1	61.1		Decreased, 2005-2021		Decreased
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)																		
						29.1	26.6	30.0	32.1	29.4	27.5	26.1	25.6	23.5		Decreased, 2005-2021		Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

White\*

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						13.5	11.1	13.5	14.3	13.1	12.9	11.7	11.2	9.8	No linear change	No quadratic change	Decreased	
QN74: 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, one or more times during the 7 days before the survey)																		
									21.2	23.7	29.0	28.9	31.4	33.5	31.7	Increased, 2009-2021	Increased, 2009-2016 No change, 2016-2021	No change
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)																		
									22.4	25.9	18.0	16.8	14.2	12.4	12.7	Decreased, 2009-2021	No quadratic change	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
								13.7	17.5	11.4	10.3	8.6	7.4	6.7		Decreased, 2009-2021	No quadratic change	No change
QN76: Percentage of students who did not eat breakfast (during the 7 days before the survey)																		
														15.4	21.1	Increased, 2018-2021	Not available <sup>¶</sup>	Increased
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)																		
														35.8	29.1	Decreased, 2018-2021	Not available	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\***  
**Physical Activity**

Health Risk Behavior and Percentages														Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN77: 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	Decreased, 2011-2016 Increased, 2016-2021	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, 2011-2021	Increased, 2011-2016 Decreased, 2016-2021	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	Decreased, 2011-2016 Increased, 2016-2021	No change		

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

White\*  
Physical Activity

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN79: 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	39.9	39.8	32.5	36.1	36.3	34.9	36.2	33.7		No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)																		
						20.9	16.3	25.3	23.1	20.1	17.7	16.4	16.3	15.9		No linear change	No quadratic change	No change
QN81: 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	14.4	11.9	Decreased, 2016-2021	Not available <sup>¶</sup>	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

White* Other		Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN84: 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)																			
												83.2	84.2	84.5	81.1	Decreased, 2014-2021	Not available <sup>¶</sup>	Decreased	
QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)																			
												1.0	0.9	1.2	0.9	No linear change	Not available	No change	

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\*  
Site-Added**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN87: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey)																			
														1.5	2.8		Increased, 2018-2021	Not available <sup>¶</sup>	Increased
QN88: Percentage of students who are transgender																			
													2.2	1.3	4.0		Increased, 2016-2021	Not available	Increased
QN89: 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)																			
													32.1	35.4	36.9		Increased, 2016-2021	Not available	No change
QN90: Percentage of students who usually obtained their own cigarettes by buying them in a store or gas station (during the 30 days before the survey among students who smoked cigarettes during the 30 days before the survey and who were aged <18 years)																			
														12.8	18.5		No linear change	Not available	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\*  
Site-Added**

Health Risk Behavior and Percentages														Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>			
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN92: Percentage of students who had someone refuse to sell them cigarettes because of their age (among students who tried to buy cigarettes during the 30 days before the survey)																			
												25.3	30.1	26.7	22.5	32.4	No linear change	Not available <sup>¶</sup>	Increased
QN93: 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)																			
												95.2	97.4	96.9	95.7		No linear change	Not available	No change
QN94: Percentage of students who used electronic-vapor products mainly because a friend or family member used them																			
														15.5	12.3		Decreased, 2018-2021	Not available	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\*  
Site-Added**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN95: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax																		
													9.5	17.5	17.0	Increased, 2016-2021	Not available <sup>‡</sup>	No change
QN96: 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)																		
											13.6	13.0	7.7	5.5	2.3	Decreased, 2013-2021	Not available	Decreased
QN97: 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)																		
													3.7	2.7	1.5	Decreased, 2016-2021	Not available	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>‡</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\*  
Site-Added**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN98: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey)																		
											12.8	8.8	9.7	3.8		Decreased, 2014-2021	Not available <sup>‡</sup>	Decreased
QN99: 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)																		
											35.3	34.5	34.2	8.7	21.2	Decreased, 2013-2021	Not available	Increased
QN100: Percentage of students who live with someone who now smokes cigarettes or cigars																		
											37.5	36.0	31.2	28.3	27.8	Decreased, 2013-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\*  
Site-Added**

Health Risk Behavior and Percentages														Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN101: 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)																		
													83.2	84.4	82.6	No linear change	Not available <sup>¶</sup>	Decreased
QN102: 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)																		
													29.1	27.9	26.9	Decreased, 2016-2021	Not available	No change
QN105: Percentage of students who gambled on a sports team, gambled when playing cards or a dice game, played one of their state's lottery games, gambled on the Internet, or bet on a game of personal skill such as pool or a video game (one or more times during the 12 months before the survey)																		
														20.3	15.1	Decreased, 2018-2021	Not available	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\*  
Site-Added**

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>			
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021					
QN108: Percentage of students who reported that their family was often or sometimes worried that their food money would run out before they got money to buy more (during the 12 months before the survey)																				
																13.9	10.1	Decreased, 2018-2021	Not available <sup>¶</sup>	Decreased
QN109: Percentage of students who reported that often or sometimes the food their family bought did not last and they did not have money to get more (during the 12 months before the survey)																				
																10.1	7.7	Decreased, 2018-2021	Not available	Decreased
QN116: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year)																				
											69.7	64.1	62.5	60.7	53.3			Decreased, 2013-2021	Not available	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**White\*  
Site-Added**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends																Increased, 2013-2021	Not available <sup>¶</sup>	No change
											26.9	24.5	25.6	32.7	32.8			
QN118: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in																Increased, 2013-2021	Not available	Decreased
											16.7	15.1	16.8	22.8	18.9			
QN120: 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																Decreased, 2005-2021	No quadratic change	Decreased
							84.7	84.8	86.4	83.4	81.5	82.2	81.9	81.2	78.3			

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Injury and Violence**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						24.4	26.0	23.9	28.7	20.3	16.4	13.5	14.8	12.7		Decreased, 2005-2021	No quadratic change	Decreased
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)																		
										6.2	4.2	4.2	2.6	2.6		Decreased, 2013-2021	Not available <sup>¶</sup>	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)																		
										24.6	16.9	20.3	17.3	17.4		Decreased, 2013-2021	Not available	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Injury and Violence**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>‡</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN12: 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)																		
						8.6	6.7	4.1	5.7	5.1	4.5	8.5	7.1	4.0		Decreased, 2005-2021	No quadratic change	Decreased
QN13: 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)																		
												5.7	5.3	3.5		Decreased, 2016-2021	Not available <sup>¶</sup>	Decreased
QN14: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)																		
												9.3	9.3			No linear change	Not available	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\***  
**Injury and Violence**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>‡</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN15: 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)																		
						12.2	10.0	10.8	9.5	9.6	6.9	8.5	8.3	5.3		Decreased, 2005-2021	No quadratic change	Decreased
QN17: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)																		
						16.7	14.1	14.7	13.6	20.0	16.4	16.2	16.8	8.0		No linear change		Decreased
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	9.2	10.1	12.2	10.5		No linear change	Not available <sup>¶</sup>	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Injury and Violence**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey)																		
									15.2	14.4	15.3	13.1	14.2	13.5	10.7	Decreased, 2009-2021	No quadratic change	Decreased
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)																		
										10.7	10.1	9.7	10.4	10.3	10.7	No linear change	No quadratic change	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)																		
																Increased, 2005-2021	No change, 2005-2014 Increased, 2014-2021	Increased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Black\*  
Injury and Violence

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN26: Percentage of students who seriously considered attempting suicide (during the 12 months before the survey)																		
						13.8	10.3	15.5	15.3	15.6	13.7	16.1	17.8	20.9		Increased, 2005-2021	No quadratic change	Increased
QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey)																		
						11.1	6.5	11.4	12.7	11.8	11.3	14.5	17.8	16.1		Increased, 2005-2021	No quadratic change	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Tobacco Use**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN31: Percentage of students who first tried cigarette smoking before age 13 years (even one or two puffs)																		
														9.1	6.4	Decreased, 2018-2021	Not available <sup>‡</sup>	Decreased
QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)																		
						9.0	12.9	6.2	6.9	8.1	5.1	5.7	3.3	1.4		Decreased, 2005-2021	Decreased, 2005-2016 Decreased, 2016-2021	Decreased
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)																		
						3.2	5.0	1.2	1.6	1.6	0.9	0.8	0.4	0.2		Decreased, 2005-2021	No quadratic change	No change
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)																		
						2.9	3.7	1.0	1.0	1.1	0.7	0.5	0.2	0.2		Decreased, 2005-2021	No quadratic change	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>‡</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Tobacco Use**

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN34: Percentage of students who ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu])															Decreased, 2014-2021	Not available <sup>¶</sup>	Decreased	
												35.1	33.4	32.9	28.7			
QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey)															Decreased, 2014-2021	Not available	Decreased	
												15.7	9.1	13.4	10.1			
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)															Increased, 2014-2021	Not available	No change	
												1.1	0.8	1.5	1.5			

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Tobacco Use**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)																No linear change	Not available <sup>¶</sup>	No change
												0.8	0.6	1.1	1.0			
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)																Decreased, 2014-2021	Not available	Decreased
												16.5	11.1	13.9	10.2			
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)																Decreased, 2016-2021	Not available	Decreased
													5.0	4.2	2.3			

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Tobacco Use**

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey)																		
													0.5	0.4	0.4	No linear change	Not available <sup>¶</sup>	No change
QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey)																		
													0.3	0.2	0.3	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)																		
						7.3	8.7	12.6	11.9	12.5	10.0	8.6	5.4	2.8		Decreased, 2005-2021		Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Tobacco Use**

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QNTB4: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products (on at least 1 day during the 30 days before the survey)															Decreased, 2016-2021	Not available <sup>¶</sup>	Decreased	
						0.8	0.3	1.5	1.2	1.9	1.5	1.0	0.7	0.6		No linear change		No change
QNFRCGR: Percentage of students who currently smoked cigars frequently (cigars, cigarillos, or little cigars, on 20 or more days during the 30 days before the survey)																		
						12.5	15.1	13.1	11.4	13.5	10.3	10.8	6.5	3.2		Decreased, 2005-2021	No change, 2005-2016 Decreased, 2016-2021	Decreased
QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)																		
						0.5	0.3	1.0	1.0	1.3	1.0	0.8	0.5	0.4		No linear change		No change
QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey)																		

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\***

**Alcohol and Other Drug Use**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips)																		
						26.2	21.4	30.0	25.2	20.9	17.3	15.9	17.7	14.4		Decreased, 2005-2021	No quadratic change	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)																		
						31.1	31.8	31.2	28.5	25.2	18.1	17.8	16.7	12.6		Decreased, 2005-2021	No quadratic change	Decreased
QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row if they were female or five or more drinks of alcohol in a row if they were male, within a couple of hours, on at least 1 day during the 30 days before the survey)																		
												6.8	6.2	5.0		Decreased, 2016-2021	Not available <sup>¶</sup>	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\***

**Alcohol and Other Drug Use**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN46: Percentage of students who tried marijuana for the first time before age 13 years																		
						9.7	10.0	11.1	11.1	11.0	9.4	9.0	8.3	6.1		Decreased, 2005-2021		Decreased
QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey)																		
						15.7	22.1	23.0	23.7	21.0	19.2	18.9	17.9	15.9		No linear change		No change
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)																		
												13.4	17.2	16.7		Increased, 2016-2021	Not available <sup>¶</sup>	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Black\*

#### Alcohol and Other Drug Use

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life)															No linear change	Increased, 2005-2016 Decreased, 2016-2021	Decreased	
					2.9	2.7	4.4	3.6	5.6	4.4	5.4	4.7	2.3					
QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life)															Increased, 2005-2021	Increased, 2005-2016 Decreased, 2016-2021	Decreased	
					2.0	1.6	4.0	4.1	5.1	4.1	5.0	4.5	2.4					
QN53: Percentage of students who ever used methamphetamines (also called "speed," "crystal meth," "crank," "ice," or "meth," one or more times during their life)															Increased, 2005-2021	Increased, 2005-2016 Decreased, 2016-2021	Decreased	
					2.0	1.9	2.7	4.2	4.9	4.0	5.0	4.3	2.1					
QN54: Percentage of students who ever used ecstasy (also called "MDMA" or "Molly," one or more times during their life)															No linear change		Decreased	
					3.7	5.3	5.5	6.0	7.6	5.6	5.6	5.1	2.5					

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Black\*

Alcohol and Other Drug Use

Health Risk Behavior and Percentages														Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN55: 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)																		
						1.3	1.7	2.5	3.9	4.4	4.0	4.5	5.4	2.4		Increased, 2005-2021	Increased, 2005-2016 Decreased, 2016-2021	Decreased
QN56: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey)																		
					22.2	22.8	29.3	31.4	29.9	26.4	23.3	22.6	18.7		No linear change			Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Sexual Behaviors**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN57: Percentage of students who ever had sexual intercourse																Decreased, 2013-2021	Not available <sup>¶</sup>	Decreased
											46.0	37.4	35.9	35.8	25.6			
QN58: Percentage of students who had sexual intercourse for the first time before age 13 years																Decreased, 2013-2021	Not available	Decreased
											10.6	7.9	6.5	6.2	3.8			
QN59: Percentage of students who had sexual intercourse with four or more persons during their life																Decreased, 2013-2021	Not available	Decreased
											17.0	11.3	9.8	8.7	5.0			
QN60: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey)																Decreased, 2013-2021	Not available	Decreased
											29.7	24.8	23.6	23.1	15.7			

\*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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Black\*  
Sexual Behaviors

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN61: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)																		
											20.0	18.7	17.3	17.0	19.4	No linear change	Not available <sup>¶</sup>	No change
QN62: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active)																		
											64.1	66.1	58.1	54.4	45.5	Decreased, 2013-2021	Not available	Decreased
QN82: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood)																		
												18.4	20.4	18.1	10.7	Decreased, 2014-2021	Not available	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\***

**Weight Management and Dietary Behaviors**

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN66: Percentage of students who described themselves as slightly or very overweight																		
						24.2	24.6	25.5	25.5	25.4	23.8	25.8	25.7	27.6		No linear change	No quadratic change	No change
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) <sup>¶</sup>																		
						19.7	19.5	16.5	19.7	17.7	16.7	17.4	18.0	17.0		No linear change	No quadratic change	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) <sup>¶</sup>																		
						15.4	17.4	15.1	15.6	13.5	14.4	16.6	16.4	19.7		No linear change		Increased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\***

**Weight Management and Dietary Behaviors**

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN68: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey)																		
						16.9	16.1	15.0	18.8	21.6	24.1	27.1	29.1	26.1		Increased, 2005-2021	No quadratic change	Decreased
QN69: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)																		
						23.7	25.1	19.0	21.3	21.8	22.1	22.7	22.1	24.2		No linear change		Increased
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)																		
						7.6	6.6	5.6	7.1	8.6	9.4	10.6	10.7	10.0		Increased, 2005-2021	No quadratic change	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\***

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						55.5	53.9	59.1	54.6	55.7	52.4	49.2	50.3	48.1		Decreased, 2005-2021	No quadratic change	No change
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)																		
						30.6	30.3	35.7	31.5	30.9	28.8	26.0	25.9	23.0		Decreased, 2005-2021		Decreased
QN70: Percentage of students who did not eat green salad (one or more times during the 7 days before the survey)																		
						47.6	46.9	48.0	47.5	47.5	51.1	55.2	56.6	57.1		Increased, 2005-2021	No quadratic change	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\***

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN71: Percentage of students who did not eat potatoes (one or more times during the 7 days before the survey)																		
						45.0	42.5	48.2	46.0	44.0	47.4	48.1	49.0	51.3		Increased, 2005-2021	No quadratic change	No change
QN72: Percentage of students who did not eat carrots (one or more times during the 7 days before the survey)																		
						73.7	72.3	68.0	65.1	65.6	66.2	68.2	69.0	73.4		No linear change		Increased
QN73: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey)																		
						22.6	18.5	21.3	26.9	22.6	23.7	27.0	25.2	26.0		Increased, 2005-2021	No quadratic change	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\***

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						9.0	8.3	10.0	10.6	10.4	11.9	12.9	12.9	13.3		Increased, 2005-2021	No quadratic change	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)																		
						47.7	48.6	51.6	50.4	51.4	49.1	46.3	45.7	42.3		Decreased, 2005-2021		Decreased
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)																		
						18.7	20.7	21.1	23.8	22.1	20.5	17.9	18.5	15.3		Decreased, 2005-2021		Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\***

**Weight Management and Dietary Behaviors**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						11.7	10.9	10.8	13.2	12.4	11.6	9.7	10.2	8.3		Decreased, 2005-2021	No quadratic change	Decreased
QN74: 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, one or more times during the 7 days before the survey)																		
								23.0	21.5	26.6	28.1	30.4	34.6	35.1		Increased, 2009-2021	No quadratic change	No change
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)																		
								20.5	25.4	18.9	17.9	15.0	13.6	10.7		Decreased, 2009-2021	No quadratic change	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\***

**Weight Management and Dietary Behaviors**

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
								14.8	17.7	13.6	13.0	10.3	9.1	7.0		Decreased, 2009-2021		Decreased
QN76: Percentage of students who did not eat breakfast (during the 7 days before the survey)																		
													20.8	26.4		Increased, 2018-2021	Not available <sup>‡</sup>	Increased
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)																		
													21.8	16.5		Decreased, 2018-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Physical Activity**

Health Risk Behavior and Percentages														Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN77: 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)																		
										35.0	33.3	32.9	30.5	30.7	32.1	No linear change	No quadratic change	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)																		
										20.1	23.5	24.7	27.4	27.6	23.7	Increased, 2011-2021	Increased, 2011-2016 Decreased, 2016-2021	Decreased
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)																		
										17.3	18.2	18.1	16.1	17.2	17.2	No linear change	No quadratic change	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Physical Activity**

Health Risk Behavior and Percentages															Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN79: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)																		
						38.3	34.1	38.6	43.3	41.5	37.5	36.7	38.0	35.6		No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)																		
						18.1	13.8	15.0	13.9	15.4	12.2	12.0	12.0	10.7		No linear change	No quadratic change	No change
QN81: 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)																		
												17.1	18.0	13.2		Decreased, 2016-2021	Not available <sup>¶</sup>	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Black\*  
Other

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN84: 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)																		
												69.7	69.7	68.3	67.3	Decreased, 2014-2021	Not available <sup>¶</sup>	No change
QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)																		
												2.5	2.7	3.0	2.0	No linear change	Not available	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Site-Added**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN87: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey)																			
														2.7	4.3		Increased, 2018-2021	Not available <sup>¶</sup>	Increased
QN88: Percentage of students who are transgender																			
													3.9	0.8	1.9		Decreased, 2016-2021	Not available	Increased
QN89: 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)																			
													22.2	21.7	24.1		No linear change	Not available	No change
QN90: Percentage of students who usually obtained their own cigarettes by buying them in a store or gas station (during the 30 days before the survey among students who smoked cigarettes during the 30 days before the survey and who were aged <18 years)																			
														15.2	15.5		No linear change	Not available	No change

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Site-Added**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN92: Percentage of students who had someone refuse to sell them cigarettes because of their age (among students who tried to buy cigarettes during the 30 days before the survey)																		
											33.3	36.4	35.7	30.2	43.2	Increased, 2013-2021	Not available <sup>‡</sup>	Increased
QN93: 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)																		
												91.9	94.0	93.7	94.4	Increased, 2014-2021	Not available	No change
QN94: Percentage of students who used electronic-vapor products mainly because a friend or family member used them																		
														11.5	8.6	Decreased, 2018-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Site-Added**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN95: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax																		
													6.1	9.3	10.2	Increased, 2016-2021	Not available <sup>‡</sup>	No change
QN96: 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)																		
											12.9	9.4	6.2	3.2	1.6	Decreased, 2013-2021	Not available	Decreased
QN97: 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)																		
													5.7	3.3	1.5	Decreased, 2016-2021	Not available	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>‡</sup>Not enough years of data to calculate.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Black\*  
Site-Added

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN98: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey)																		
											8.8	6.3	3.8	2.6		Decreased, 2014-2021	Not available <sup>‡</sup>	Decreased
QN99: 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)																		
											46.3	45.3	49.6	17.8	28.0	Decreased, 2013-2021	Not available	Increased
QN100: Percentage of students who live with someone who now smokes cigarettes or cigars																		
											37.5	36.4	31.2	28.5	26.9	Decreased, 2013-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Site-Added**

Health Risk Behavior and Percentages														Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN101: 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)																		
													77.3	78.1	77.5	No linear change	Not available <sup>¶</sup>	No change
QN102: 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)																		
													24.1	23.2	22.4	No linear change	Not available	No change
QN105: Percentage of students who gambled on a sports team, gambled when playing cards or a dice game, played one of their state's lottery games, gambled on the Internet, or bet on a game of personal skill such as pool or a video game (one or more times during the 12 months before the survey)																		
														22.2	13.5	Decreased, 2018-2021	Not available	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Black\*  
Site-Added**

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>					
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021								
QN108: Percentage of students who reported that their family was often or sometimes worried that their food money would run out before they got money to buy more (during the 12 months before the survey)																30.4	18.6	Decreased, 2018-2021	Not available <sup>¶</sup>	Decreased			
QN109: Percentage of students who reported that often or sometimes the food their family bought did not last and they did not have money to get more (during the 12 months before the survey)																24.8	15.9	Decreased, 2018-2021	Not available	Decreased			
QN116: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year)																68.8	58.3	57.6	54.5	47.8	Decreased, 2013-2021	Not available	Decreased

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis,  $p < 0.05$ .

<sup>¶</sup>Not enough years of data to calculate.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Black\*  
Site-Added

Health Risk Behavior and Percentages																Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2018-2021 <sup>§</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends																No linear change	Not available <sup>¶</sup>	No change
											55.8	52.8	51.9	50.7	53.0			
QN118: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in																Decreased, 2013-2021	Not available	Decreased
											33.4	27.9	28.2	29.3	22.8			
QN120: 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																Decreased, 2005-2021		Decreased
							86.8	88.4	81.6	77.5	75.3	76.6	74.7	74.6	69.5			

\*Non-Hispanic.

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

<sup>§</sup>Based on t-test analysis, p < 0.05.

<sup>¶</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic Injury and Violence

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
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	44.8	30.6	26.8	27.2	21.2	16.2	16.7	14.2		Decreased, 2005-2021	No quadratic change	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)																			
											14.2	11.4	8.4	6.1	5.1		Decreased, 2013-2021	Not available <sup>§</sup>	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)																			
											35.7	29.6	28.6	25.0	22.6		Decreased, 2013-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic Injury and Violence

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN12: 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)																		
						4.5	8.4	8.7	5.1	7.5	5.4	9.1	6.7	5.0		No linear change	No quadratic change	Decreased
QN13: 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)																		
												7.8	5.7	4.2		Decreased, 2016-2021	Not available <sup>§</sup>	Decreased
QN14: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)																		
													13.1	14.5		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.

<sup>†</sup>Based on t-test analysis, p < 0.05.

<sup>§</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic Injury and Violence

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN15: 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)																		
						8.5	13.1	13.0	12.3	13.1	10.3	9.5	8.3	7.1		Decreased, 2005-2021	No quadratic change	No change
QN17: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)																		
						17.2	16.4	17.1	15.9	18.0	15.2	14.4	12.8	8.1		Decreased, 2005-2021	No quadratic change	Decreased
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)																		
										14.9	13.8	11.3	13.7	12.1		No linear change	Not available <sup>§</sup>	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic Injury and Violence

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey)																			
									24.4	19.7	20.5	19.1	18.1	16.2	12.7		Decreased, 2009-2021	No quadratic change	Decreased
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)																			
										10.8	14.5	16.2	14.1	12.9	12.0		No linear change	Increased, 2011-2014 Decreased, 2014-2021	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)																			
																	Increased, 2005-2021	No quadratic change	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Hispanic  
Injury and Violence

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN26: Percentage of students who seriously considered attempting suicide (during the 12 months before the survey)																		
						17.0	16.8	20.7	14.4	18.9	20.0	19.6	17.3	20.9	No linear change	No quadratic change	Increased	
QN27: Percentage of students who made a plan about how they would attempt suicide (during the 12 months before the survey)																		
						11.3	12.0	15.1	14.8	15.7	16.8	16.4	16.3	15.4	No linear change	No quadratic change	No change	

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

†Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic Tobacco Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>									
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021												
QN31: Percentage of students who first tried cigarette smoking before age 13 years (even one or two puffs)																9.4	7.7	No linear change	Not available <sup>§</sup>	No change							
QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)																20.1	21.4	13.8	12.2	15.4	10.2	10.2	6.0	3.9	Decreased, 2005-2021	No quadratic change	Decreased
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)																4.0	5.9	2.5	3.5	4.3	2.6	2.7	1.4	0.9	Decreased, 2005-2021	No quadratic change	No change
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)																0.4	5.0	2.5	2.5	3.3	2.2	2.1	1.1	0.7	No linear change		No change

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

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

<sup>§</sup>Not enough years of data to calculate.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

<b>Hispanic Tobacco Use</b>																<b>Linear Change*</b>	<b>Quadratic Change*</b>	<b>Change from 2018-2021<sup>†</sup></b>
<b>Health Risk Behavior and Percentages</b>																		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN34: Percentage of students who ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu])																Decreased, 2014-2021	Not available <sup>§</sup>	Decreased
												43.9	40.3	40.7	36.5			
QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey)																Decreased, 2014-2021	Not available	Decreased
												22.7	14.7	19.8	15.4			
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)																No linear change	Not available	No change
												3.4	2.3	3.8	2.8			

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

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

<sup>§</sup>Not enough years of data to calculate.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Hispanic  
Tobacco Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)																		
												2.7	1.9	2.4	2.0	No linear change	Not available <sup>§</sup>	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)																		
												24.1	17.9	20.6	15.7	Decreased, 2014-2021	Not available	Decreased
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)																		
													7.2	4.7	3.9	Decreased, 2016-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic Tobacco Use

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †											
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021													
QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey)															1.6	0.9	1.0	No linear change	Not available <sup>§</sup>			No change						
QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey)															1.3	0.6	0.7	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)															9.2	21.1	16.0	14.4	15.5	11.8	9.9	7.3	3.3	Decreased, 2005-2021				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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic Tobacco Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QNTB4: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products (on at least 1 day during the 30 days before the survey)																			
													19.0	21.2	16.3		Decreased, 2016-2021	Not available <sup>§</sup>	Decreased
QNFRCGR: Percentage of students who currently smoked cigars frequently (cigars, cigarillos, or little cigars, on 20 or more days during the 30 days before the survey)																			
						0.4	1.9	1.5	2.4	3.3	2.6	2.1	1.3	0.8			No linear change		No change
QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)																			
							24.5	29.3	17.6	16.5	18.2	13.3	13.8	9.5	5.2		Decreased, 2005-2021	No quadratic change	Decreased
QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey)																			
						0.4	1.9	1.0	1.5	2.5	2.2	1.7	0.9	0.6			No linear change		No change

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

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

§Not enough years of data to calculate.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Hispanic  
Alcohol and Other Drug Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips)																		
						30.3	32.2	26.3	29.4	24.3	22.2	19.3	16.5	14.7		Decreased, 2005-2021	No quadratic change	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)																		
						42.7	56.0	38.0	30.4	30.4	26.0	23.5	19.8	17.7		Decreased, 2005-2021	No quadratic change	No change
QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row if they were female or five or more drinks of alcohol in a row if they were male, within a couple of hours, on at least 1 day during the 30 days before the survey)																		
												12.4	9.9	9.2		Decreased, 2016-2021	Not available <sup>§</sup>	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic Alcohol and Other Drug Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN46: Percentage of students who tried marijuana for the first time before age 13 years																		
						16.6	10.8	10.7	10.2	11.4	10.9	8.9	8.0	5.8		Decreased, 2005-2021	No quadratic change	Decreased
QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey)																		
						19.3	24.1	21.4	21.1	20.7	20.7	18.4	16.5	14.1		Decreased, 2005-2021	No quadratic change	No change
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)																		
												16.2	16.6	15.2		No linear change	Not available <sup>§</sup>	No change

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

<sup>†</sup>Based on t-test analysis, p < 0.05.

<sup>§</sup>Not enough years of data to calculate.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Hispanic  
Alcohol and Other Drug Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life)																Decreased, 2005-2021	No quadratic change	Decreased
						10.1	12.7	7.3	6.4	11.2	9.1	8.2	6.8	3.6				
QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life)																No linear change	No quadratic change	Decreased
						4.0	4.3	4.3	5.9	8.3	6.7	6.1	4.7	2.9				
QN53: Percentage of students who ever used methamphetamines (also called "speed," "crystal meth," "crank," "ice," or "meth," one or more times during their life)																No linear change	No quadratic change	Decreased
						4.1	5.9	6.6	5.5	8.6	6.6	6.7	4.8	2.7				
QN54: Percentage of students who ever used ecstasy (also called "MDMA" or "Molly," one or more times during their life)																No linear change		Decreased
						0.4	8.2	6.8	6.7	12.7	9.1	7.7	6.4	2.8				

\*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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Hispanic  
Alcohol and Other Drug Use

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN55: 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)																		
						4.0	5.6	4.8	5.7	6.8	5.2	5.0	5.0	2.9	No linear change	No quadratic change	Decreased	
QN56: Percentage of students who were offered, sold, or given an illegal drug on school property (during the 12 months before the survey)																		
						25.6	30.4	35.8	34.2	37.2	32.1	28.4	24.7	23.8	Decreased, 2005-2021		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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic Sexual Behaviors

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †										
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021												
QN57: Percentage of students who ever had sexual intercourse															41.6	37.3	34.1	33.6	26.7						Decreased, 2013-2021	Not available <sup>§</sup>	Decreased
QN58: Percentage of students who had sexual intercourse for the first time before age 13 years															9.8	6.8	5.7	5.1	3.5						Decreased, 2013-2021	Not available	Decreased
QN59: Percentage of students who had sexual intercourse with four or more persons during their life															15.5	10.7	8.9	8.9	6.2						Decreased, 2013-2021	Not available	Decreased
QN60: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey)															28.7	24.4	22.7	24.1	18.7						Decreased, 2013-2021	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Hispanic  
Sexual Behaviors

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN61: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)																		
											28.6	28.1	24.5	18.4	17.4	Decreased, 2013-2021	Not available <sup>§</sup>	No change
QN62: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active)																		
											59.0	57.6	58.4	58.1	52.1	Decreased, 2013-2021	Not available	No change
QN82: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood)																		
											16.0	17.3	15.2	9.6	Decreased, 2014-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN66: Percentage of students who described themselves as slightly or very overweight																		
						32.0	32.9	32.8	26.8	31.0	33.4	32.8	32.8	34.9		No linear change	No quadratic change	No change
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) <sup>§</sup>																		
						17.4	12.9	16.7	15.3	18.7	19.5	17.6	20.4	18.6		No linear change	No quadratic change	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) <sup>§</sup>																		
						10.4	16.0	23.9	13.2	12.7	13.9	16.2	16.8	20.6		No linear change	No quadratic change	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN68: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey)																		
						11.9	22.2	15.9	18.9	21.4	24.7	29.5	29.8	28.9		Increased, 2005-2021	No quadratic change	No change
QN69: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey)																		
						12.0	16.3	15.3	12.3	15.8	15.9	16.0	14.8	14.4		No linear change	No quadratic change	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)																		
						1.5	7.0	7.0	6.4	6.9	9.1	9.2	8.4	7.8		Increased, 2005-2021	Increased, 2005-2016 No change, 2016-2021	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,  $p < 0.05$ .

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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	46.7	66.7	61.4	62.5	57.7	53.5	54.4	52.2		No linear change	No quadratic change	No change
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)																		
						35.8	32.2	35.3	36.6	34.1	29.7	26.1	28.5	25.6		Decreased, 2005-2021	No quadratic change	Decreased
QN70: Percentage of students who did not eat green salad (one or more times during the 7 days before the survey)																		
						27.4	30.9	42.1	35.4	35.1	40.9	44.5	43.6	46.8		Increased, 2005-2021	No quadratic change	No change

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

<sup>†</sup>Based on t-test analysis, p < 0.05.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Hispanic

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN71: Percentage of students who did not eat potatoes (one or more times during the 7 days before the survey)																		
						35.8	42.5	30.8	41.8	36.5	40.4	41.1	41.5	41.4	No linear change	No quadratic change	No change	
QN72: Percentage of students who did not eat carrots (one or more times during the 7 days before the survey)																		
						50.1	54.7	52.8	51.7	48.6	51.3	52.0	51.7	55.6	No linear change	No quadratic change	Increased	
QN73: Percentage of students who did not eat other vegetables (one or more times during the 7 days before the survey)																		
						15.3	19.8	28.5	23.6	21.5	23.1	24.4	21.2	20.4	No linear change	No quadratic change	No change	

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

<sup>†</sup>Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 <sup>†</sup>
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
						7.0	9.4	7.8	8.0	9.5	10.8	11.5	10.2	9.8		No linear change	No quadratic change	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)																		
						61.8	57.3	51.8	53.0	60.5	55.6	52.7	56.0	52.0		No linear change	No quadratic change	Decreased
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)																		
						31.9	26.7	24.9	27.0	28.2	25.6	23.4	23.9	20.2		No linear change	No quadratic change	Decreased

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

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

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
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)																			
						14.7	12.9	10.1	17.2	15.2	13.9	13.3	13.0	10.7		No linear change	No quadratic change	Decreased	
QN74: 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, one or more times during the 7 days before the survey)																			
									19.8	19.6	26.2	26.5	29.5	29.7	28.2		Increased, 2009-2021	Increased, 2009-2016 No change, 2016-2021	No change
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)																			
									17.7	20.9	17.7	16.3	13.3	11.6	11.1		Decreased, 2009-2021	No quadratic change	No change

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

†Based on t-test analysis, p < 0.05.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic

#### Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
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)																		
								11.4	14.3	12.0	10.8	8.2	6.4	6.5		Decreased, 2009-2021	No quadratic change	No change
QN76: Percentage of students who did not eat breakfast (during the 7 days before the survey)																		
													20.3	25.2		Increased, 2018-2021	Not available <sup>§</sup>	Increased
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)																		
													26.5	22.5		Decreased, 2018-2021	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Hispanic  
Physical Activity

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN77: 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	No quadratic change	No change
										30.7	34.1	29.5	26.8	27.4	31.3			
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, 2011-2021	Increased, 2011-2016 Decreased, 2016-2021	Decreased
										20.3	19.3	23.1	26.6	28.5	21.8			
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	No quadratic change	No change
										18.2	18.2	15.4	13.5	14.7	15.3			

\*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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic Physical Activity

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN79: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)																		
						29.9	33.8	44.1	42.4	44.4	41.2	38.6	40.1	37.4		No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)																		
						10.6	20.4	16.0	18.9	17.4	16.4	17.3	17.0	16.1		No linear change	No quadratic change	No change
QN81: 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)																		
													19.0	18.3	14.8	Decreased, 2016-2021	Not available <sup>§</sup>	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Hispanic Other	Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021†	
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018				2021
	QN84: 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)																		
													72.0	72.4	71.5	72.5	No linear change	Not available <sup>§</sup>	No change
	QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)																		
													2.9	3.4	3.7	2.3	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic Site-Added

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN87: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey)																		
													4.8	4.4	No linear change	Not available <sup>§</sup>	No change	
QN88: Percentage of students who are transgender																		
												4.2	2.0	2.8	No linear change	Not available	Increased	
QN89: 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)																		
												29.3	28.5	26.1	No linear change	Not available	No change	
QN90: Percentage of students who usually obtained their own cigarettes by buying them in a store or gas station (during the 30 days before the survey among students who smoked cigarettes during the 30 days before the survey and who were aged <18 years)																		
													13.1	15.9	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey  
Trend Analysis Report

Hispanic  
Site-Added

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021†	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN92: Percentage of students who had someone refuse to sell them cigarettes because of their age (among students who tried to buy cigarettes during the 30 days before the survey)																No linear change	Not available <sup>§</sup>	Increased	
												29.9	32.0	27.0	21.6	37.7			
QN93: 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)																Increased, 2014-2021	Not available	No change	
												92.8	93.5	95.5	96.4				
QN94: Percentage of students who used electronic-vapor products mainly because a friend or family member used them																No linear change	Not available	No change	
														11.5	9.8				

\*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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Hispanic  
Site-Added**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN95: Percentage of students who have ever used an electronic vapor product to smoke marijuana, THC or hash oil, or THC wax																			
													10.0	13.1	14.3		Increased, 2016-2021	Not available <sup>§</sup>	No change
QN96: 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)																			
												14.5	12.8	7.9	4.1	2.3	Decreased, 2013-2021	Not available	Decreased
QN97: 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)																			
													7.8	4.2	2.3		Decreased, 2016-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Hispanic  
Site-Added**

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021				
QN98: Percentage of students who tried or used tobacco products for the first time (during the 12 months before the survey)																			
											12.0	8.2	4.3	3.7		Decreased, 2014-2021	Not available <sup>§</sup>	No change	
QN99: 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)																			
											47.7	45.6	45.9	16.4	32.9		Decreased, 2013-2021	Not available	Increased
QN100: Percentage of students who live with someone who now smokes cigarettes or cigars																			
											33.8	35.4	26.9	24.3	21.6		Decreased, 2013-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

**Hispanic  
Site-Added**

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN101: 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)																		
													83.4	85.9	85.7	No linear change	Not available <sup>§</sup>	No change
QN102: 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)																		
													20.3	18.7	19.0	No linear change	Not available	No change
QN105: Percentage of students who gambled on a sports team, gambled when playing cards or a dice game, played one of their state's lottery games, gambled on the Internet, or bet on a game of personal skill such as pool or a video game (one or more times during the 12 months before the survey)																		
													24.5	17.9		Decreased, 2018-2021	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.

## 2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Maryland High School Survey Trend Analysis Report

#### Hispanic Site-Added

Health Risk Behavior and Percentages															Linear Change*	Quadratic Change*	Change from 2018-2021 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN108: Percentage of students who reported that their family was often or sometimes worried that their food money would run out before they got money to buy more (during the 12 months before the survey)																		
														31.7	21.4	Decreased, 2018-2021	Not available <sup>§</sup>	Decreased
QN109: Percentage of students who reported that often or sometimes the food their family bought did not last and they did not have money to get more (during the 12 months before the survey)																		
														22.6	16.3	Decreased, 2018-2021	Not available	Decreased
QN116: Percentage of students who were taught in their classes about the dangers of tobacco use (during the last school year)																		
											70.5	61.5	58.7	58.0	50.0	Decreased, 2013-2021	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.

2021 YOUTH RISK BEHAVIOR SURVEY RESULTS

Maryland High School Survey

Trend Analysis Report

Hispanic  
Site-Added

Health Risk Behavior and Percentages																Linear Change*	Quadratic Change*	Change from 2018-2021 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2014	2016	2018	2021			
QN117: Percentage of students who say definitely yes or probably yes that young people who smoke have more friends																No linear change	Not available <sup>§</sup>	Increased
											48.3	46.2	46.5	44.0	48.9			
QN118: Percentage of students who say definitely yes or probably yes that smoking makes young people look cool or fit in																Decreased, 2013-2021	Not available	Decreased
											29.3	25.3	24.9	24.1	20.3			
QN120: 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																Decreased, 2005-2021	No quadratic change*	Decreased
							80.1	77.0	77.9	71.8	71.2	72.8	71.4	70.2	65.5			

\*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.