

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Total Injury and Violence		Health Risk Behavior and Percentages										Linear Change*	Quadratic Change*	Change from 2021-2023 †
		2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle)														
					64.3	58.7	59.4	60.3	53.4	52.9	Decreased, 2013-2023	No quadratic change	No change	
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)														
					69.7	67.0	65.1	65.4	59.7	55.0	Decreased, 2013-2023	No quadratic change	No change	
QN10: Percentage of students who were ever in a physical fight														
					44.4	42.8	46.0	45.8	38.7	38.1	Decreased, 2013-2023	No change, 2013-2019 Decreased, 2019-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Total Injury and Violence		Health Risk Behavior and Percentages									Linear Change*	Quadratic Change*	Change from 2021-2023 [†]
		2003	2005	2007	2009	2011	2013	2015	2017	2019			
QN13: Percentage of students who were ever bullied on school property													
					43.8	42.1	43.0	39.6	35.8	35.6	Decreased, 2013-2023	No quadratic change	No change
QN14: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)													
					19.8	18.5	19.5	21.0	26.1	22.7	Increased, 2013-2023	No quadratic change	No change
QN15: Percentage of students who ever seriously thought about killing themselves													
					17.5	16.5	21.4	21.7	25.9	16.5	No linear change	Increased, 2013-2019 Decreased, 2019-2023	Decreased
QN16: Percentage of students who ever made a plan about how they would kill themselves													
					11.1	9.3	14.5	14.3	19.2	10.3	Increased, 2013-2023	Increased, 2013-2019 Decreased, 2019-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Total Tobacco Use		Health Risk Behavior and Percentages									Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN20: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)													
					2.5	1.6	2.4	1.9	3.1	0.6	Decreased, 2013-2023	No change, 2013-2019 Decreased, 2019-2023	Decreased
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)													
					0.4	0.3	0.3	0.2	0.8	0.2	No linear change	No quadratic change	Not available
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)													
					0.2	0.3	0.2	0.1	0.5	0.2	No linear change	No quadratic change	Not available
QN22: Percentage of students who ever used an electronic vapor product													
							12.5	14.9	9.2	10.0	Decreased, 2017-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Total Tobacco Use		Health Risk Behavior and Percentages									Linear Change*	Quadratic Change*	Change from 2021-2023 [†]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)													
						0.8	0.8	0.9	0.9	0.7	No linear change	Not available [§]	Not available
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)													
						0.4	0.6	0.5	0.8	0.4	No linear change	Not available	Not available
QN23: 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)													
						5.6	4.9	6.1	4.5	4.2	No linear change	Not available	No change

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

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

[§]Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Total Tobacco Use											Linear Change*	Quadratic Change*	Change from 2021-2023 †							
Health Risk Behavior and Percentages																				
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023										
QN24: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, Camel Snus, or Velo Nicotine Lozenges], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)											2.2	2.2	2.0	0.9	Decreased, 2017-2023		Not available [§]		No change	
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)											0.3	0.5	0.7	0.3	No linear change		Not available		Not available	
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)											0.2	0.3	0.7	0.3	No linear change		Not available		Not available	

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Total Tobacco Use		Health Risk Behavior and Percentages									Linear Change*	Quadratic Change*	Change from 2021-2023 †	
		2003	2005	2007	2009	2011	2013	2015	2017	2019				2021
QN25: Percentage of students who currently smoked cigars, cigarillos, or little cigars (such as Swisher Sweets, Middleton's [including Black & Mild], or Backwoods, on at least 1 day during the 30 days before the survey)														
								1.9	1.9	2.7	0.9	Decreased, 2017-2023	Not available [§]	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	0.4	0.7	0.4	No linear change	Not available	Not available
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)														
								0.2	0.3	0.7	0.3	No linear change	Not available	Not available

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

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

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Total Tobacco Use		Health Risk Behavior and Percentages									Linear Change*	Quadratic Change*	Change from 2021-2023 †
		2003	2005	2007	2009	2011	2013	2015	2017	2019			
QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)													
							3.0	2.6	4.2	1.0	Decreased, 2017-2023	Not available [§]	Not available
QNTB3: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco (on at least 1 day during the 30 days before the survey)													
							3.7	3.5	4.5	1.4	Decreased, 2017-2023	Not available	Not available
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)													
							6.1	7.7	6.4	3.9	Decreased, 2017-2023	Not available	Not available

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

†Based on t-test analysis, p < 0.05.

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2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Trend Analysis Report**

Total Tobacco Use		Health Risk Behavior and Percentages									Linear Change*	Quadratic Change*	Change from 2021-2023 †
		2003	2005	2007	2009	2011	2013	2015	2017	2019			
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)													
						5.8	5.5	6.9	5.4	3.7	Decreased, 2015-2023	Not available [§]	Not available

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

†Based on t-test analysis, p < 0.05.

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2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**Total
Alcohol and Other Drug Use**

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)													
					9.3	7.9	10.3	12.0	10.6	6.9	No linear change	Increased, 2013-2019 Decreased, 2019-2023	Decreased
QN29: Percentage of students who tried marijuana for the first time before age 11 years													
					2.6	2.3	3.2	2.8	0.9	1.1	Decreased, 2013-2023	No change, 2013-2019 Decreased, 2019-2023	No change
QN30: 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)													
							4.9	10.0	12.0	7.6	Increased, 2017-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
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Total
Alcohol and Other Drug Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN31: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)													
							3.0	1.6	1.4	0.8	Decreased, 2017-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Total Dietary Behaviors		Health Risk Behavior and Percentages									Linear Change*	Quadratic Change*	Change from 2021-2023 †
		2003	2005	2007	2009	2011	2013	2015	2017	2019			
QN39: Percentage of students who did not eat breakfast (during the 7 days before the survey)													
					9.2	6.6	9.6	10.4	15.5	11.5	Increased, 2013-2023	No quadratic change	No change
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)													
					53.9	56.8	52.6	43.9	39.7	43.6	Decreased, 2013-2023	No quadratic change	Not available

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

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Total Physical Activity		Health Risk Behavior and Percentages									Linear Change*	Quadratic Change*	Change from 2021-2023 [†]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN40: 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)													
					55.8	55.8	53.4	51.1	50.4	54.8	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)													
					8.3	7.7	9.2	12.4	9.7	9.6	No linear change	No quadratic change	Not available
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)													
					33.6	32.7	32.0	29.0	31.3	33.6	No linear change	No quadratic change	Not available

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

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

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Total Other	Health Risk Behavior and Percentages										Linear Change*	Quadratic Change*	Change from 2021-2023 †
	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN46: Percentage of students who got 8 or more hours of sleep (on an average school night)													
						62.0	60.4	57.6	49.2	53.2	Decreased, 2015-2023	Not available [§]	No change
QN47: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey)													
							3.4	3.1	2.1	1.8	Decreased, 2017-2023	Not available	No change
QN48: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)													
						83.7	83.2	77.9	79.6	79.6	Decreased, 2015-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Total Mental Health		Health Risk Behavior and Percentages										Linear Change*	Quadratic Change*	Change from 2021-2023 †
		2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN17: Percentage of students who ever tried to kill themselves														
					6.3	5.8	8.5	9.3	7.3	7.0	No linear change	Increased, 2013-2019 Decreased, 2019-2023	No change	
QN45: Percentage of students who reported that their mental health was most of the time or always not good (including stress, anxiety, and depression, during the 30 days before the survey)														
									21.8	18.4	No linear change	Not available [§]	No change	

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

†Based on t-test analysis, p < 0.05.

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2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Male Injury and Violence

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle)													
					66.6	61.7	61.7	64.2	56.6	56.7	Decreased, 2013-2023	No quadratic change	No change
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)													
					71.5	69.7	66.0	63.4	55.0	58.8	Decreased, 2013-2023	No quadratic change	No change
QN10: Percentage of students who were ever in a physical fight													
					56.2	58.1	57.8	56.5	49.5	49.4	Decreased, 2013-2023	No quadratic change	No change
QN13: Percentage of students who were ever bullied on school property													
					38.0	36.3	36.9	34.8	28.3	29.3	Decreased, 2013-2023	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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2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**Male
Injury and Violence**

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN14: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)													
					12.8	14.4	14.4	16.2	20.0	15.7	Increased, 2013-2023	No quadratic change	No change
QN15: Percentage of students who ever seriously thought about killing themselves													
					12.6	13.0	16.1	14.6	19.7	9.9	No linear change	No change, 2013-2019 Decreased, 2019-2023	Decreased
QN16: Percentage of students who ever made a plan about how they would kill themselves													
					8.0	6.7	11.0	9.0	13.7	6.9	No linear change	Increased, 2013-2019 No change, 2019-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Male Tobacco Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN20: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)													
					2.7	1.5	2.6	2.0	4.7	0.4	No linear change	No change, 2013-2019 Decreased, 2019-2023	Decreased
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)													
					0.5	0.5	0.4	0.1	1.4	0.2	No linear change	No quadratic change	Not available
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)													
					0.3	0.5	0.2	0.1	0.8	0.2	No linear change	No quadratic change	Not available
QN22: Percentage of students who ever used an electronic vapor product													
							14.0	15.1	10.3	9.1	Decreased, 2017-2023	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, $p < 0.05$.

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2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Male Tobacco Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)													
						0.9	1.2	0.9	1.1	0.4	No linear change	Not available [§]	Not available
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)													
						0.4	0.9	0.7	1.1	0.1	No linear change	Not available	Not available
QN23: 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)													
						6.9	6.1	6.2	5.2	3.3	Decreased, 2015-2023	Not available	No change

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

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2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Male Tobacco Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN24: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, Camel Snus, or Velo Nicotine Lozenges], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)													
						2.8	2.7	2.6	1.0		Decreased, 2017-2023	Not available [§]	No change
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)													
						0.4	0.6	1.2	0.3		No linear change	Not available	Not available
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	0.4	1.2	0.3		No linear change	Not available	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Male Tobacco Use																	
Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †				
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023							
QN25: Percentage of students who currently smoked cigars, cigarillos, or little cigars (such as Swisher Sweets, Middleton's [including Black & Mild], or Backwoods, on at least 1 day during the 30 days before the survey)											2.5	2.0	3.8	0.7	Decreased, 2017-2023	Not available [§]	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	0.4	1.2	0.4	No linear change	Not available	Not available
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)											0.2	0.3	1.2	0.3	No linear change	Not available	Not available

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

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

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2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Male Tobacco Use																	
Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †				
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023							
QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)											3.4	2.7	5.7	0.6	Decreased, 2017-2023	Not available [§]	Not available
QNTB3: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco (on at least 1 day during the 30 days before the survey)											4.3	4.1	6.0	1.0	Decreased, 2017-2023	Not available	Not available
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)											7.3	8.1	7.7	2.9	Decreased, 2017-2023	Not available	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

Male
Tobacco Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
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)													
						6.9	6.8	7.0	6.8	2.6	Decreased, 2015-2023	Not available [§]	Not available

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

†Based on t-test analysis, p < 0.05.

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2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Male

Alcohol and Other Drug Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
Q27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)													
					10.8	9.6	10.7	12.9	11.6	6.0	Decreased, 2013-2023	Increased, 2013-2019 Decreased, 2019-2023	Decreased
Q29: Percentage of students who tried marijuana for the first time before age 11 years													
					3.3	3.1	4.1	3.8	0.8	0.9	Decreased, 2013-2023	No change, 2013-2019 Decreased, 2019-2023	No change
Q30: 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)													
							5.2	7.7	11.4	5.5	No linear change	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

Male

Alcohol and Other Drug Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN31: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)													
							3.6	1.8	2.2	0.8	Decreased, 2017-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**Male
Dietary Behaviors**

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN39: Percentage of students who did not eat breakfast (during the 7 days before the survey)													
					7.4	5.9	8.0	8.8	9.8	8.7	No linear change	No quadratic change	No change
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)													
					58.6	60.6	59.1	48.9	45.1	49.4	Decreased, 2013-2023	No quadratic change	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**Male
Physical Activity**

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 [†]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN40: 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)													
					60.5	60.6	57.8	56.9	53.1	60.2	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)													
					7.0	6.9	8.7	10.0	9.5	8.6	No linear change	No quadratic change	Not available
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)													
					39.1	39.9	35.9	35.6	36.2	40.4	No linear change	No quadratic change	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Male Other	Health Risk Behavior and Percentages										Linear Change*	Quadratic Change*	Change from 2021-2023 †
	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN46: Percentage of students who got 8 or more hours of sleep (on an average school night)													
						63.3	60.3	61.3	50.0	57.0	Decreased, 2015-2023	Not available [§]	No change
QN47: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey)													
							5.0	4.0	3.4	1.8	Decreased, 2017-2023	Not available	No change
QN48: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)													
						80.0	80.6	74.3	73.7	78.4	No linear change	Not available	No change

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

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

§Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey

Trend Analysis Report

Male
Mental Health

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN17: Percentage of students who ever tried to kill themselves													
					4.2	3.7	6.0	5.9	6.4	4.0	No linear change	Increased, 2013-2019 Decreased, 2019-2023	No change
QN45: Percentage of students who reported that their mental health was most of the time or always not good (including stress, anxiety, and depression, during the 30 days before the survey)													
									13.3	10.9	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Female Injury and Violence

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle)													
					61.7	55.8	57.0	55.9	50.3	48.4	Decreased, 2013-2023	No quadratic change	No change
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)													
					67.7	64.1	64.2	67.4	63.4	51.2	Decreased, 2013-2023	No quadratic change	No change
QN10: Percentage of students who were ever in a physical fight													
					32.0	26.9	33.6	34.5	27.8	26.1	No linear change	No change, 2013-2019 Decreased, 2019-2023	No change
QN13: Percentage of students who were ever bullied on school property													
					49.9	47.8	49.4	44.6	43.0	42.0	Decreased, 2013-2023	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, $p < 0.05$.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey

Trend Analysis Report

Female
Injury and Violence

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN14: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)													
					27.1	22.8	24.9	26.3	32.0	29.6	Increased, 2013-2023	No quadratic change	No change
QN15: Percentage of students who ever seriously thought about killing themselves													
					22.7	20.2	27.2	29.1	31.7	23.2	Increased, 2013-2023	Increased, 2013-2019 Decreased, 2019-2023	Decreased
QN16: Percentage of students who ever made a plan about how they would kill themselves													
					14.3	12.2	18.2	20.0	24.5	13.9	Increased, 2013-2023	Increased, 2013-2019 Decreased, 2019-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Female Tobacco Use		Health Risk Behavior and Percentages									Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN20: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)													
					2.0	1.5	2.0	1.8	1.6	0.9	Decreased, 2013-2023	No quadratic change	No change
QNFRSIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)													
					0.3	0.1	0.1	0.2	0.3	0.3	No linear change	No quadratic change	Not available
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)													
					0.1	0.1	0.1	0.2	0.3	0.3	No linear change	No quadratic change	Not available
QN22: Percentage of students who ever used an electronic vapor product													
							10.8	14.8	8.1	10.6	No linear change	Not available [§]	No change

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Female Tobacco Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 [†]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)													
						0.7	0.2	0.9	0.7	1.0	No linear change	Not available [§]	Not available
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)													
						0.5	0.2	0.4	0.4	0.7	No linear change	Not available	Not available
QN23: 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)													
						4.3	3.4	6.0	3.8	4.7	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**Female
Tobacco Use**

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 [†]				
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023							
QN24: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, Camel Snus, or Velo Nicotine Lozenges], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)											1.4	1.5	1.5	0.9	No linear change	Not available [§]	No change
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)											0.1	0.4	0.2	0.2	No linear change	Not available	Not available
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)											0.1	0.3	0.2	0.2	No linear change	Not available	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Female Tobacco Use													
Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN25: Percentage of students who currently smoked cigars, cigarillos, or little cigars (such as Swisher Sweets, Middleton's [including Black & Mild], or Backwoods, on at least 1 day during the 30 days before the survey)													
							1.1	1.8	1.6	0.7	No linear change	Not available [§]	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)													
							0.1	0.3	0.2	0.4	No linear change	Not available	Not available
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	0.3	0.2	0.2	No linear change	Not available	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey

Trend Analysis Report

Female
Tobacco Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 [†]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)													
							2.4	2.5	2.8	1.1	No linear change	Not available [§]	Not available
QNTB3: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco (on at least 1 day during the 30 days before the survey)													
							3.0	2.8	3.0	1.4	No linear change	Not available	Not available
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)													
							4.6	7.2	5.3	4.6	No linear change	Not available	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

Female
Tobacco Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
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)													
						4.6	4.0	6.8	4.0	4.6	No linear change	Not available [§]	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey

Trend Analysis Report

Female
Alcohol and Other Drug Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)													
					7.6	6.0	9.7	11.1	9.4	7.9	No linear change	No quadratic change	No change
QN29: Percentage of students who tried marijuana for the first time before age 11 years													
					1.9	1.4	2.1	1.7	0.9	1.3	No linear change	No quadratic change	No change
QN30: 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)													
							4.6	12.5	12.5	9.8	Increased, 2017-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

Female

Alcohol and Other Drug Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN31: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)													
							2.3	1.5	0.5	0.9	Decreased, 2017-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey

Trend Analysis Report

Female
Dietary Behaviors

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN39: Percentage of students who did not eat breakfast (during the 7 days before the survey)													
					11.1	7.5	10.9	12.0	20.5	14.3	Increased, 2013-2023	No quadratic change	Decreased
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)													
					49.2	53.0	45.9	38.6	34.7	37.8	Decreased, 2013-2023	No quadratic change	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**Female
Physical Activity**

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 [†]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN40: 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)													
					51.0	51.0	48.8	45.3	47.6	49.5	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)													
					9.5	8.6	9.5	14.9	10.0	10.4	No linear change	No quadratic change	Not available
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)													
					28.0	25.2	27.9	22.3	26.1	26.7	No linear change	No quadratic change	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Female Other	Health Risk Behavior and Percentages										Linear Change*	Quadratic Change*	Change from 2021-2023 †
	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN46: Percentage of students who got 8 or more hours of sleep (on an average school night)													
						60.6	60.6	53.8	48.7	49.6	Decreased, 2015-2023	Not available [§]	No change
QN47: 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	2.2	0.9	1.7	No linear change	Not available	No change
QN48: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)													
						87.6	86.0	81.7	85.4	80.7	Decreased, 2015-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

Female
Mental Health

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN17: Percentage of students who ever tried to kill themselves													
					8.6	8.0	11.2	13.0	8.2	9.6	No linear change	No quadratic change	No change
QN45: Percentage of students who reported that their mental health was most of the time or always not good (including stress, anxiety, and depression, during the 30 days before the survey)													
									30.2	26.5	No linear change	Not available [§]	No change

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey

Trend Analysis Report

White*
Injury and Violence

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle)													
					56.2	48.7	51.1	53.4	38.1	48.3	No linear change	No quadratic change	No change
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)													
					64.4	60.6	60.7	61.5	48.0	51.5	Decreased, 2013-2023	No quadratic change	No change
QN10: Percentage of students who were ever in a physical fight													
					35.4	37.3	38.8	36.4	25.1	31.2	Decreased, 2013-2023	No quadratic change	No change
QN13: Percentage of students who were ever bullied on school property													
					46.5	44.1	45.9	40.8	37.8	42.0	Decreased, 2013-2023	No quadratic change	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

White*
Injury and Violence

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN14: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)													
					20.9	20.8	23.0	22.3	23.7	23.9	No linear change	No quadratic change	No change
QN15: Percentage of students who ever seriously thought about killing themselves													
					14.4	15.5	18.1	20.2	21.6	15.1	No linear change	Increased, 2013-2019 No change, 2019-2023	No change
QN16: Percentage of students who ever made a plan about how they would kill themselves													
					9.5	8.5	13.3	12.2	13.6	7.9	No linear change	Increased, 2013-2019 Decreased, 2019-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**White*
Tobacco Use**

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN20: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)													
					2.1	1.1	1.3	1.7	2.3	0.4	No linear change	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)													
					0.3	0.0	0.0	0.0	0.5	0.0	Not available	Not available [¶]	Not available
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)													
					0.2	0.0	0.0	0.0	0.5	0.0	Not available	Not available	Not available
QN22: Percentage of students who ever used an electronic vapor product													
							10.1	14.9	9.9	7.0	No linear change	Not available	No change

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**White*
Tobacco Use**

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)													
						0.8	0.6	0.5	0.9	0.5	No linear change	Not available [¶]	Not available
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)													
						0.4	0.6	0.2	0.9	0.1	No linear change	Not available	Not available
QN23: 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)													
						4.4	3.9	6.1	3.9	3.3	No linear change	Not available	No change

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

White*
Tobacco Use

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [‡]	Change from 2021-2023 [§]				
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023							
QN24: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, Camel Snus, or Velo Nicotine Lozenges], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)											1.5	2.1	1.4	0.5	Decreased, 2017-2023	Not available [¶]	No change
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)											0.0	0.3	0.0	0.1	Not available	Not available	Not available
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)											0.0	0.1	0.0	0.1	Not available	Not available	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

White*																	
Tobacco Use																	
Health Risk Behavior and Percentages											Linear Change[†]	Quadratic Change[†]	Change from 2021-2023[§]				
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023							
QN25: Percentage of students who currently smoked cigars, cigarillos, or little cigars (such as Swisher Sweets, Middleton's [including Black & Mild], or Backwoods, on at least 1 day during the 30 days before the survey)											0.4	1.7	1.3	0.5	No linear change	Not available [¶]	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)											0.0	0.1	0.0	0.3	Not available	Not available	Not available
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)											0.0	0.1	0.0	0.1	Not available	Not available	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**White*
Tobacco Use**

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)													
							1.3	2.4	2.3	0.7	No linear change	Not available [‡]	Not available
QNTB3: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco (on at least 1 day during the 30 days before the survey)													
							2.3	3.4	2.5	0.9	No linear change	Not available	Not available
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)													
							4.7	7.8	4.1	3.2	No linear change	Not available	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

White*
Tobacco Use

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
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)													
						4.8	4.3	7.0	4.1	2.9	No linear change	Not available [¶]	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey

Trend Analysis Report

White*

Alcohol and Other Drug Use

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)													
					8.1	6.2	8.2	10.9	10.3	6.2	No linear change	Increased, 2013-2019 Decreased, 2019-2023	No change
QN29: Percentage of students who tried marijuana for the first time before age 11 years													
					1.6	1.2	2.0	1.9	0.6	0.5	Decreased, 2013-2023	No quadratic change	No change
QN30: 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)													
							3.9	7.9	7.5	6.1	No linear change	Not available [¶]	No change

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

White*

Alcohol and Other Drug Use

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN31: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)													
							2.2	0.6	1.2	0.1	Decreased, 2017-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

White*
Dietary Behaviors

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN39: Percentage of students who did not eat breakfast (during the 7 days before the survey)													
					7.5	6.2	6.8	9.6	14.4	8.3	Increased, 2013-2023	No quadratic change	Decreased
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)													
					58.0	60.8	57.6	45.9	43.7	45.0	Decreased, 2013-2023	No quadratic change	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey

Trend Analysis Report

White*
Physical Activity

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN40: 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)													
					61.1	62.6	60.2	56.1	57.3	62.4	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)													
					5.8	5.4	5.7	7.2	5.7	5.5	No linear change	No quadratic change	Not available
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)													
					36.6	35.7	36.5	32.4	35.4	37.2	No linear change	No quadratic change	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

White* Other	Health Risk Behavior and Percentages										Linear Change [†]	Quadratic Change [‡]	Change from 2021-2023 [§]
	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
	QN46: Percentage of students who got 8 or more hours of sleep (on an average school night)												
						66.1	61.7	59.5	55.0	56.0	Decreased, 2015-2023	Not available [¶]	No change
	QN47: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey)												
							2.1	1.8	1.8	1.6	No linear change	Not available	No change
	QN48: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)												
						89.1	86.9	84.7	87.3	83.7	No linear change	Not available	No change

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

White* Mental Health		Health Risk Behavior and Percentages										Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
		2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
QN17: Percentage of students who ever tried to kill themselves														
					4.4	4.7	6.4	6.8	4.8	5.3	No linear change	No quadratic change	No change	
QN45: Percentage of students who reported that their mental health was most of the time or always not good (including stress, anxiety, and depression, during the 30 days before the survey)														
									20.1	19.2	No linear change	Not available [¶]	No change	

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**Black*
Injury and Violence**

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle)													
					83.3	81.4	76.7	75.7	66.3	62.9	Decreased, 2013-2023	No quadratic change	No change
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)													
					85.5	80.9	76.0	76.1	76.7	74.8	No linear change	No quadratic change	No change
QN10: Percentage of students who were ever in a physical fight													
					65.2	62.2	61.9	67.2	49.6	48.3	Decreased, 2013-2023	No quadratic change	No change
QN13: Percentage of students who were ever bullied on school property													
					37.6	43.0	38.0	35.8	33.9	28.9	Decreased, 2013-2023	No quadratic change	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Black*

Injury and Violence

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN14: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)													
					14.3	17.3	14.6	17.5	26.4	19.0	Increased, 2013-2023	No quadratic change	No change
QN15: Percentage of students who ever seriously thought about killing themselves													
					21.0	17.8	23.1	22.1	21.7	18.3	No linear change	No quadratic change	No change
QN16: Percentage of students who ever made a plan about how they would kill themselves													
					11.5	10.1	16.3	17.5	18.7	12.5	Increased, 2013-2023	Increased, 2013-2019 No change, 2019-2023	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, $p < 0.05$.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**Black*
Tobacco Use**

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [‡]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN20: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)													
					2.8	1.5	3.4	1.5	2.2	0.4	Decreased, 2013-2023	No change, 2013-2019 Decreased, 2019-2023	No change
QNFRSIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)													
					0.6	0.3	0.6	0.0	0.9	0.4	No linear change	No quadratic change	Not available
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)													
					0.2	0.3	0.3	0.0	0.9	0.4	No linear change	No quadratic change	Not available
QN22: Percentage of students who ever used an electronic vapor product													
							15.2	13.2	6.0	16.4	No linear change	Not available [¶]	Increased

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**Black*
Tobacco Use**

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)													
						0.6	0.7	0.6	1.1	0.4	No linear change	Not available [¶]	Not available
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)													
						0.3	0.3	0.6	1.1	0.4	No linear change	Not available	Not available
QN23: 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)													
						9.1	4.9	3.8	3.0	6.5	No linear change	Not available	No change

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**Black*
Tobacco Use**

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]				
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023							
QN24: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, Camel Snus, or Velo Nicotine Lozenges], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)											2.5	2.3	1.7	1.5	No linear change	Not available [¶]	No change
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)											0.6	0.1	0.9	0.4	No linear change	Not available	Not available
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)											0.2	0.0	0.9	0.4	Not available	Not available	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**Black*
Tobacco Use**

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [‡]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN25: Percentage of students who currently smoked cigars, cigarillos, or little cigars (such as Swisher Sweets, Middleton's [including Black & Mild], or Backwoods, on at least 1 day during the 30 days before the survey)													
							3.2	2.2	3.6	1.2	Decreased, 2017-2023	Not available [¶]	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)													
							0.4	0.3	0.9	0.4	No linear change	Not available	Not available
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	0.3	0.9	0.4	No linear change	Not available	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**Black*
Tobacco Use**

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [‡]	Change from 2021-2023 [§]				
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023							
QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)											4.8	2.5	3.8	1.3	Decreased, 2017-2023	Not available [¶]	Not available
QNTB3: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco (on at least 1 day during the 30 days before the survey)											5.2	3.6	4.6	2.4	Decreased, 2017-2023	Not available	Not available
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)											6.4	6.2	5.3	5.2	No linear change	Not available	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

Black*
Tobacco Use

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
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)													
						8.9	6.3	4.9	3.0	5.2	Decreased, 2015-2023	Not available [¶]	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Black*

Alcohol and Other Drug Use

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)													
					11.0	11.6	12.1	12.9	8.2	9.3	No linear change	No quadratic change	No change
QN29: Percentage of students who tried marijuana for the first time before age 11 years													
					3.8	4.7	3.7	4.4	1.0	1.5	Decreased, 2013-2023	No quadratic change	No change
QN30: 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)													
							6.5	13.6	9.4	7.0	No linear change	Not available [¶]	No change

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

Black*

Alcohol and Other Drug Use

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN31: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)													
							4.0	2.6	1.8	0.4	Decreased, 2017-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

Black*
Dietary Behaviors

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN39: Percentage of students who did not eat breakfast (during the 7 days before the survey)													
					10.3	8.4	10.9	11.4	10.4	14.7	No linear change	No quadratic change	No change
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)													
					49.5	50.5	45.0	37.0	41.9	38.8	Decreased, 2013-2023	No quadratic change	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey

Trend Analysis Report

Black* Physical Activity		Health Risk Behavior and Percentages									Linear Change[†]	Quadratic Change[†]	Change from 2021-2023[§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QNPA0: 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)													
					49.9	50.3	47.8	45.1	47.2	42.5	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)													
					12.7	12.6	12.9	19.2	7.0	14.9	No linear change	No quadratic change	Not available
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)													
					32.0	34.5	30.2	25.0	29.5	32.0	No linear change	No quadratic change	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Black* Other	Health Risk Behavior and Percentages										Linear Change [†]	Quadratic Change [‡]	Change from 2021-2023 [§]
	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021			
	QN46: Percentage of students who got 8 or more hours of sleep (on an average school night)												
						55.8	60.0	55.4	46.3	49.6	Decreased, 2015-2023	Not available [¶]	No change
	QN47: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey)												
							5.4	5.4	2.2	1.5	Decreased, 2017-2023	Not available	No change
	QN48: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)												
						74.1	78.2	63.2	70.0	74.6	No linear change	Not available	No change

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

**Black*
Mental Health**

Health Risk Behavior and Percentages											Linear Change [†]	Quadratic Change [†]	Change from 2021-2023 [§]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN17: Percentage of students who ever tried to kill themselves													
			7.8	7.8	11.4	13.0	5.4	10.1			No linear change	No quadratic change	No change
QN45: Percentage of students who reported that their mental health was most of the time or always not good (including stress, anxiety, and depression, during the 30 days before the survey)													
								19.7	17.8		No linear change	Not available [¶]	No change

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Hispanic Injury and Violence

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle)													
					71.7	71.5	73.2	61.7	74.8	61.8	No linear change	No quadratic change	No change
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)													
					70.5	70.1	73.1	66.7	72.0	54.2	No linear change	No change, 2013-2019 Decreased, 2019-2023	Decreased
QN10: Percentage of students who were ever in a physical fight													
					43.3	41.2	45.2	44.3	39.8	38.3	No linear change	No quadratic change	No change
QN13: Percentage of students who were ever bullied on school property													
					42.2	37.4	39.6	38.5	40.1	28.7	Decreased, 2013-2023	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, $p < 0.05$.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Hispanic Injury and Violence

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN14: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)													
					23.7	14.5	16.4	20.2	25.5	23.2	No linear change	No quadratic change	No change
QN15: Percentage of students who ever seriously thought about killing themselves													
					20.9	15.2	25.6	23.6	28.8	19.4	No linear change	Increased, 2013-2019 No change, 2019-2023	No change
QN16: Percentage of students who ever made a plan about how they would kill themselves													
					13.9	10.0	13.5	15.1	22.7	13.4	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Hispanic Tobacco Use											Linear Change*	Quadratic Change*	Change from 2021-2023 †
Health Risk Behavior and Percentages													
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN20: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)													
					2.9	2.6	4.9	2.6	2.1	0.9	Decreased, 2013-2023	No change, 2013-2019 Decreased, 2019-2023	No change
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)													
					0.5	1.2	0.3	0.8	0.5	0.3	No linear change	No quadratic change	Not available
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)													
					0.3	1.2	0.3	0.5	0.5	0.3	No linear change	No quadratic change	Not available
QN22: Percentage of students who ever used an electronic vapor product													
							16.6	17.5	10.7	12.0	Decreased, 2017-2023	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Hispanic Tobacco Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 [†]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)													
						1.9	1.0	1.4	0.6	2.1	No linear change	Not available [§]	Not available
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)													
						1.3	0.7	0.8	0.6	1.4	No linear change	Not available	Not available
QN23: 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)													
						7.4	6.7	8.4	5.0	5.1	No linear change	Not available	No change

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

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

[§]Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Hispanic Tobacco Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 [†]
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN24: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, Camel Snus, or Velo Nicotine Lozenges], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)											No linear change	Not available [§]	No change
							3.3	1.5	0.8	1.6			
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)											No linear change	Not available	Not available
							0.4	1.0	0.5	0.2			
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)											No linear change	Not available	Not available
							0.3	0.7	0.5	0.2			

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

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

[§]Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey

Trend Analysis Report

Hispanic
Tobacco Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN25: Percentage of students who currently smoked cigars, cigarillos, or little cigars (such as Swisher Sweets, Middleton's [including Black & Mild], or Backwoods, on at least 1 day during the 30 days before the survey)													
							3.5	2.4	2.1	1.1	Decreased, 2017-2023	Not available [§]	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)													
							0.4	1.2	0.5	0.5	No linear change	Not available	Not available
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	0.9	0.5	0.2	No linear change	Not available	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Hispanic Tobacco Use																	
Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †				
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023							
QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey)											5.8	3.5	3.0	1.1	Decreased, 2017-2023	Not available [§]	Not available
QNTB3: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco (on at least 1 day during the 30 days before the survey)											6.8	3.8	3.1	1.3	Decreased, 2017-2023	Not available	Not available
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)											9.1	9.8	6.2	4.7	Decreased, 2017-2023	Not available	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

Hispanic
Tobacco Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
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)													
						6.5	8.4	9.2	5.4	4.7	No linear change	Not available [§]	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey

Trend Analysis Report

Hispanic
Alcohol and Other Drug Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)													
					11.7	11.1	13.7	12.6	14.3	5.1	No linear change	No change, 2013-2019 Decreased, 2019-2023	Decreased
QN29: Percentage of students who tried marijuana for the first time before age 11 years													
					4.2	3.5	4.4	2.2	0.7	1.9	Decreased, 2013-2023	No quadratic change	No change
QN30: 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)													
							6.0	10.9	13.2	10.9	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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

Hispanic
Alcohol and Other Drug Use

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN31: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)													
							4.0	2.8	1.2	2.2	No linear change	Not available [§]	No change

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

Hispanic
Dietary Behaviors

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN39: Percentage of students who did not eat breakfast (during the 7 days before the survey)													
					13.2	8.2	13.8	12.9	17.9	16.6	Increased, 2013-2023	No quadratic change	No change
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)													
					46.6	46.5	48.4	45.2	39.0	43.2	No linear change	No quadratic change	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey

Trend Analysis Report

Hispanic Physical Activity											Linear Change*	Quadratic Change*	Change from 2021-2023 †
Health Risk Behavior and Percentages													
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN40: 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)													
					45.9	44.7	41.7	45.0	42.9	48.4	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)													
					10.5	9.4	15.3	19.2	16.6	14.5	Increased, 2013-2023	Increased, 2013-2019 No change, 2019-2023	Not available
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)													
					26.8	27.2	24.5	27.1	25.6	29.6	No linear change	No quadratic change	Not available

*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.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey Trend Analysis Report

Hispanic Other		Health Risk Behavior and Percentages										Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023				
QN46: Percentage of students who got 8 or more hours of sleep (on an average school night)														
						59.9	57.0	59.0	49.0	49.6	Decreased, 2015-2023	Not available [§]	No change	
QN47: Percentage of students who usually did not sleep in their parent's or guardian's home (during the 30 days before the survey)														
							4.5	3.4	1.3	2.5	No linear change	Not available	No change	
QN48: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)														
						75.8	74.5	72.0	69.8	71.4	No linear change	Not available	No change	

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2023 YOUTH RISK BEHAVIOR SURVEY RESULTS

Virginia Middle School Survey
Trend Analysis Report

Hispanic
Mental Health

Health Risk Behavior and Percentages											Linear Change*	Quadratic Change*	Change from 2021-2023 †
2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023			
QN17: Percentage of students who ever tried to kill themselves													
					9.7	7.7	11.8	12.2	10.3	9.7	No linear change	No quadratic change	No change
QN45: Percentage of students who reported that their mental health was most of the time or always not good (including stress, anxiety, and depression, during the 30 days before the survey)													
									22.1	19.2	No linear change	Not available [§]	No change

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.