

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

**Total
Injury and Violence**

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle)								
73.7	77.8	74.4	70.9	73.2	68.1	Decreased, 2007-2017	No quadratic change	Decreased
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)								
81.5	83.8	81.0	77.6	74.9	80.0	Decreased, 2007-2017	No quadratic change	No change
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)								
11.9	11.4	11.5	10.0	6.9	4.7	Decreased, 2007-2017	No change, 2007-2013 Decreased, 2013-2017	Decreased
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)								
32.6	30.8	26.2	23.1	21.4	14.7	Decreased, 2007-2017	Decreased, 2007-2013 Decreased, 2013-2017	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, $p < 0.05$.

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Injury and Violence**

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN10: Percentage of students who ever carried a weapon (such as a gun, knife, or club)								
43.8	41.5	39.7	40.6	46.1	40.4	No linear change	No quadratic change	No change
QN11: Percentage of students who were ever in a physical fight								
57.0	57.4	55.0	50.4	46.4	42.3	Decreased, 2007-2017	No change, 2007-2011 Decreased, 2011-2017	No change
QN12: Percentage of students who were ever bullied on school property								
	46.6	47.8	52.1	52.4	45.4	No linear change	Not available [§]	Decreased
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)								
		24.9	27.3	28.8	27.0	No linear change	Not available	No change
QN14: Percentage of students who ever seriously thought about killing themselves								
17.6	19.9	20.1	19.7	21.1	20.7	No linear change	No quadratic change	No change

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

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Injury and Violence**

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN15: Percentage of students who ever made a plan about how they would kill themselves								
12.6	12.9	12.2	14.2	15.5	13.9	No linear change	No quadratic change	No change
QN16: Percentage of students who ever tried to kill themselves								
7.7	6.9	6.7	7.3	7.2	8.8	No linear change	No quadratic change	No change

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

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

**Total
Tobacco Use**

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)								
34.8	32.1	28.9	24.5	20.4	14.6	Decreased, 2007-2017	Decreased, 2007-2013 Decreased, 2013-2017	Decreased
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)								
11.7	11.3	9.0	6.9	5.5	3.5	Decreased, 2007-2017	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)								
3.9	3.2	2.5	1.8	1.7	0.8	Decreased, 2007-2017	No quadratic change	No change
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)								
2.6	2.3	1.7	1.4	1.3	0.6	Decreased, 2007-2017	No quadratic change	No change

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

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**Total
Tobacco Use**

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †		
2007	2009	2011	2013	2015	2017					
QN21: Percentage of students who ever used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo])						24.9	18.5	Decreased, 2015-2017	Not available [§]	Decreased
QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey)						11.0	5.9	Decreased, 2015-2017	Not available	Decreased
7.3	6.4	5.4	4.1	4.4	3.0	Decreased, 2007-2017	No quadratic change	Decreased		

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

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§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

Total

Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN26: Percentage of students who ever drank alcohol (other than a few sips)								
39.9	36.9	36.1	29.6	25.7	23.4	Decreased, 2007-2017	No quadratic change	No change
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)								
16.5	16.0	16.2	12.7	10.6	9.5	Decreased, 2007-2017	No change, 2007-2011 Decreased, 2011-2017	No change
QN28: Percentage of students who ever used marijuana								
11.5	12.0	11.7	12.2	10.2	8.3	Decreased, 2007-2017	No change, 2007-2013 Decreased, 2013-2017	No change
QN29: Percentage of students who tried marijuana for the first time before age 11 years								
2.9	3.6	3.1	3.1	3.4	2.3	No linear change	No quadratic change	No change
QN30: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)								
5.1	6.2	4.0	2.8	2.7	2.2	Decreased, 2007-2017	No quadratic change	No change

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Total Alcohol and Other Drug Use						Linear Change*	Quadratic Change*	Change from 2015-2017 †
Health Risk Behavior and Percentages								
2007	2009	2011	2013	2015	2017			
QN31: Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or inhaled any paints or sprays to get high)								
		12.8	10.1	7.0	6.6	Decreased, 2011-2017	Not available [§]	No change
QN32: Percentage of students who ever took steroids without a doctor's prescription (pills or shots)								
		2.2	2.0	1.4	1.6	No linear change	Not available	No change

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

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§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

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10-year Trend Analysis Report

Total Weight Management and Dietary Behaviors						Linear Change*	Quadratic Change*	Change from 2015-2017 †
Health Risk Behavior and Percentages								
2007	2009	2011	2013	2015	2017			
QN38: Percentage of students who described themselves as slightly or very overweight								
27.6	26.4	28.9	27.4	25.5	28.1	No linear change	No quadratic change	No change
QN39: Percentage of students who were trying to lose weight								
51.3	47.6	48.1	50.6	45.1	47.2	No linear change	No quadratic change	No change
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)								
			11.3	9.4	9.0	Decreased, 2013-2017	Not available [§]	No change
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)								
			42.9	48.6	48.8	Increased, 2013-2017	Not available	No change

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

**West Virginia Middle School Survey
10-year Trend Analysis Report**

**Total
Physical Activity**

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN41: 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)								
65.1	57.6	56.2	64.0	67.8	64.4	Increased, 2007-2017	Decreased, 2007-2011 Increased, 2011-2017	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)								
8.4	10.4	10.5	8.6	7.0	9.9	No linear change	No quadratic change	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)								
45.0	37.0	35.5	38.6	42.7	43.8	No linear change	Decreased, 2007-2011 Increased, 2011-2017	No change
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)								
34.6	35.1	33.7	34.8	28.4	26.2	Decreased, 2007-2017	No change, 2007-2013 Decreased, 2013-2017	No change

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**Total
Physical Activity**

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN43: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day)								
25.9	28.0	32.3	43.1	46.6	47.8	Increased, 2007-2017	No quadratic change	No change
QN44: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)								
72.4	74.0	71.3	73.8	73.1	71.3	No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)								
52.6	48.6	46.9	56.0	48.5	53.2	No linear change	No quadratic change	No change
QN45: Percentage of students who played on at least one sports team (counting any teams run by their school or community groups, during the past 12 months before the survey)								
64.2	62.3	61.8	64.3	62.3	60.5	No linear change	No quadratic change	No change

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Total Other	Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
	2007	2009	2011	2013	2015	2017			
	QN47: Percentage of students who had ever been told by a doctor or nurse that they had asthma								
	20.8	21.2	22.9	21.1	20.7	19.9	No linear change	No quadratic change	No change
	QN48: Percentage of students who got 8 or more hours of sleep (on an average school night)								
					47.1	51.0	No linear change	Not available [§]	No change
	QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)								
					71.8	79.3	Increased, 2015-2017	Not available	Increased

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

Male Injury and Violence

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle)								
78.3	80.4	76.0	74.6	73.9	71.5	Decreased, 2007-2017	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)								
82.6	84.8	81.4	79.1	74.8	80.2	No linear change	No quadratic change	No change
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)								
13.9	13.5	13.5	10.9	8.2	5.5	Decreased, 2007-2017	No change, 2007-2011 Decreased, 2011-2017	No change
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)								
33.3	30.1	26.6	21.7	22.1	14.8	Decreased, 2007-2017	No quadratic change	Decreased
QN10: Percentage of students who ever carried a weapon (such as a gun, knife, or club)								
59.8	59.1	56.4	56.3	60.4	56.4	No linear change	No quadratic change	No change

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

Male Injury and Violence

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN11: Percentage of students who were ever in a physical fight								
69.9	70.0	69.5	63.9	57.4	55.0	Decreased, 2007-2017	No quadratic change	No change
QN12: Percentage of students who were ever bullied on school property								
	45.9	46.5	49.4	44.4	39.5	Decreased, 2009-2017	Not available [§]	No change
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)								
		16.3	16.4	17.3	18.5	No linear change	Not available	No change
QN14: Percentage of students who ever seriously thought about killing themselves								
12.3	16.0	16.8	13.1	14.9	15.0	No linear change	No quadratic change	No change
QN15: Percentage of students who ever made a plan about how they would kill themselves								
9.1	10.8	10.5	10.1	10.0	11.2	No linear change	No quadratic change	No change

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10-year Trend Analysis Report

Male
Injury and Violence

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN16: Percentage of students who ever tried to kill themselves								
4.9	5.8	6.3	4.7	3.7	6.7	No linear change	No quadratic change	Increased

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

**Male
Tobacco Use**

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)								
34.1	32.1	29.4	24.3	19.8	16.5	Decreased, 2007-2017	No quadratic change	No change
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)								
11.4	10.5	8.0	6.8	5.3	4.1	Decreased, 2007-2017	No quadratic change	No change
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)								
4.3	3.0	2.6	1.9	1.2	0.9	Decreased, 2007-2017	No quadratic change	No change
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)								
3.4	2.3	1.4	1.8	0.8	0.6	Decreased, 2007-2017	No quadratic change	No change

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

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**Male
Tobacco Use**

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †		
2007	2009	2011	2013	2015	2017					
QN21: Percentage of students who ever used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo])						25.1	21.8	No linear change	Not available [§]	No change
QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey)						11.8	6.4	Decreased, 2015-2017	Not available	Decreased
8.8	7.8	6.2	4.6	5.1	3.9	Decreased, 2007-2017	No quadratic change	No change		

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

Male

Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN26: Percentage of students who ever drank alcohol (other than a few sips)								
43.4	39.2	36.9	30.5	28.9	24.6	Decreased, 2007-2017	No quadratic change	No change
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)								
19.8	17.6	19.7	15.0	13.2	10.9	Decreased, 2007-2017	No quadratic change	No change
QN28: Percentage of students who ever used marijuana								
11.1	12.5	12.7	12.1	11.4	10.0	No linear change	No quadratic change	No change
QN29: Percentage of students who tried marijuana for the first time before age 11 years								
2.6	3.6	4.5	3.3	4.0	2.6	No linear change	Increased, 2007-2011 No change, 2011-2017	No change
QN30: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)								
4.3	6.6	4.5	2.6	2.9	2.2	Decreased, 2007-2017	No quadratic change	No change

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Male
Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN31: Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or inhaled any paints or sprays to get high)								
		12.2	9.7	6.5	6.5	Decreased, 2011-2017	Not available [§]	No change
QN32: Percentage of students who ever took steroids without a doctor's prescription (pills or shots)								
		2.5	2.0	1.0	1.9	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.

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Male

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN38: Percentage of students who described themselves as slightly or very overweight								
25.8	25.4	26.6	24.4	23.0	25.9	No linear change	No quadratic change	No change
QN39: Percentage of students who were trying to lose weight								
40.1	38.1	40.1	41.5	35.6	40.3	No linear change	No quadratic change	No change
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)								
			9.4	9.0	7.4	No linear change	Not available [§]	No change
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)								
			49.3	55.5	53.8	No linear change	Not available	No change

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

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

**Male
Physical Activity**

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN41: 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)								
68.7	63.0	63.3	67.7	70.8	68.5	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)								
9.9	9.3	9.7	9.2	8.0	10.3	No linear change	No quadratic change	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)								
50.7	44.4	43.4	45.9	47.5	50.1	No linear change	Decreased, 2007-2011 Increased, 2011-2017	No change
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)								
36.5	37.0	34.0	34.2	26.8	23.5	Decreased, 2007-2017	No change, 2007-2013 Decreased, 2013-2017	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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Male
Physical Activity

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN43: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day)								
29.5	31.2	34.9	43.0	46.5	47.1	Increased, 2007-2017	No quadratic change	No change
QN44: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)								
70.9	75.1	73.5	73.2	73.6	70.8	No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)								
49.7	47.8	49.2	57.9	48.8	52.6	No linear change	No quadratic change	No change
QN45: Percentage of students who played on at least one sports team (counting any teams run by their school or community groups, during the past 12 months before the survey)								
65.7	63.9	64.7	64.4	59.9	60.7	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, $p < 0.05$.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey
10-year Trend Analysis Report

Male Other	Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
	2007	2009	2011	2013	2015	2017			
	QN47: Percentage of students who had ever been told by a doctor or nurse that they had asthma								
	22.9	22.1	22.6	21.3	19.8	20.5	No linear change	No quadratic change	No change
	QN48: Percentage of students who got 8 or more hours of sleep (on an average school night)								
					52.3	55.0	No linear change	Not available [§]	No change
	QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)								
					67.8	75.8	Increased, 2015-2017	Not available	Increased

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

Female Injury and Violence

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle)								
68.5	74.7	72.6	66.9	72.1	64.6	No linear change	No change, 2007-2011 Decreased, 2011-2017	Decreased
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)								
80.1	82.5	80.6	76.1	75.8	79.9	No linear change	No quadratic change	No change
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)								
9.7	8.9	9.4	9.0	5.2	3.8	Decreased, 2007-2017	No change, 2007-2013 Decreased, 2013-2017	No change
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)								
31.8	31.7	25.8	24.5	20.1	14.7	Decreased, 2007-2017	Decreased, 2007-2013 Decreased, 2013-2017	Decreased
QN10: Percentage of students who ever carried a weapon (such as a gun, knife, or club)								
26.8	22.6	22.0	24.2	30.9	23.5	No linear change	No quadratic change	Decreased

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

**West Virginia Middle School Survey
10-year Trend Analysis Report**

**Female
Injury and Violence**

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN11: Percentage of students who were ever in a physical fight								
43.3	44.2	39.9	36.4	34.5	28.8	Decreased, 2007-2017	No quadratic change	No change
QN12: Percentage of students who were ever bullied on school property								
	47.3	49.1	54.9	60.9	51.5	Increased, 2009-2017	Not available [§]	Decreased
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)								
		33.9	38.7	41.0	36.2	No linear change	Not available	No change
QN14: Percentage of students who ever seriously thought about killing themselves								
23.3	24.0	23.6	26.5	27.9	26.4	No linear change	No quadratic change	No change
QN15: Percentage of students who ever made a plan about how they would kill themselves								
16.4	15.1	14.1	18.5	21.3	16.5	No linear change	No quadratic change	No change

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey
10-year Trend Analysis Report

Female
Injury and Violence

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN16: Percentage of students who ever tried to kill themselves								
10.7	8.1	7.2	10.0	10.9	10.7	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey
10-year Trend Analysis Report

Female
Tobacco Use

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)								
35.6	32.0	28.5	24.6	21.1	12.3	Decreased, 2007-2017	Decreased, 2007-2013 Decreased, 2013-2017	Decreased
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)								
12.0	12.1	9.9	7.1	5.6	2.6	Decreased, 2007-2017	No change, 2007-2011 Decreased, 2011-2017	Decreased
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)								
3.5	3.3	2.4	1.6	2.1	0.5	Decreased, 2007-2017	No quadratic change	Decreased
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)								
1.8	2.1	2.1	1.0	1.8	0.4	Decreased, 2007-2017	No change, 2007-2011 Decreased, 2011-2017	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey
10-year Trend Analysis Report

Female
Tobacco Use

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN21: Percentage of students who ever used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo])								
				24.8	14.8	Decreased, 2015-2017	Not available [§]	Decreased
QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey)								
				10.4	5.2	Decreased, 2015-2017	Not available	Decreased
QN25: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)								
5.7	4.6	4.5	3.5	3.5	1.9	Decreased, 2007-2017	No quadratic change	No change

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

Female
Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN26: Percentage of students who ever drank alcohol (other than a few sips)								
36.3	34.5	35.4	28.7	22.4	21.9	Decreased, 2007-2017	No quadratic change	No change
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)								
13.0	13.9	12.3	10.4	7.8	7.5	Decreased, 2007-2017	No quadratic change	No change
QN28: Percentage of students who ever used marijuana								
12.0	11.3	10.7	12.4	8.7	6.2	Decreased, 2007-2017	No change, 2007-2013 Decreased, 2013-2017	Decreased
QN29: Percentage of students who tried marijuana for the first time before age 11 years								
3.2	3.5	1.6	2.8	2.7	1.9	No linear change	No quadratic change	No change
QN30: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)								
5.9	5.5	3.6	3.0	2.6	2.1	Decreased, 2007-2017	No quadratic change	No change

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey
10-year Trend Analysis Report

Female
Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN31: Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or inhaled any paints or sprays to get high)								
		13.4	10.5	7.3	6.6	Decreased, 2011-2017	Not available [§]	No change
QN32: Percentage of students who ever took steroids without a doctor's prescription (pills or shots)								
		1.8	2.1	1.8	1.2	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey
10-year Trend Analysis Report

Female
Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN38: Percentage of students who described themselves as slightly or very overweight								
29.5	27.5	31.4	30.6	27.8	30.5	No linear change	No quadratic change	No change
QN39: Percentage of students who were trying to lose weight								
63.1	57.6	56.5	60.2	55.5	54.6	Decreased, 2007-2017	No quadratic change	No change
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)								
			13.3	9.7	10.5	No linear change	Not available [§]	No change
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)								
			36.3	41.0	43.6	Increased, 2013-2017	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

**Female
Physical Activity**

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN41: 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)								
61.4	52.1	48.8	60.1	65.0	60.3	Increased, 2007-2017	Decreased, 2007-2011 Increased, 2011-2017	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)								
6.8	11.6	11.2	8.0	5.8	9.5	No linear change	No quadratic change	Increased
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	29.3	27.3	31.1	37.7	37.2	No linear change	Decreased, 2007-2011 Increased, 2011-2017	No change
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)								
32.7	33.1	33.5	35.5	30.1	29.1	No linear change	No change, 2007-2013 Decreased, 2013-2017	No change

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

**Female
Physical Activity**

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
2007	2009	2011	2013	2015	2017			
QN43: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day)								
22.2	24.7	29.6	43.1	47.0	48.6	Increased, 2007-2017	No quadratic change	No change
QN44: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)								
74.1	73.0	69.0	74.3	72.3	72.2	No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)								
55.6	49.4	44.6	54.0	47.7	54.1	No linear change	No quadratic change	No change
QN45: Percentage of students who played on at least one sports team (counting any teams run by their school or community groups, during the past 12 months before the survey)								
62.5	60.4	58.9	64.2	64.9	60.6	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, $p < 0.05$.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey
10-year Trend Analysis Report

Female Other	Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2015-2017 †
	2007	2009	2011	2013	2015	2017			
	QN47: Percentage of students who had ever been told by a doctor or nurse that they had asthma						No linear change	Increased, 2007-2011 No change, 2011-2017	No change
	18.5	20.3	23.2	20.9	21.8	19.1			
	QN48: Percentage of students who got 8 or more hours of sleep (on an average school night)						No linear change	Not available [§]	No change
					41.8	46.7			
	QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)						Increased, 2015-2017	Not available	Increased
					76.3	83.3			

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

White* Injury and Violence						Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [‡]
Health Risk Behavior and Percentages								
2007	2009	2011	2013	2015	2017			
QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle)								
72.9	76.8	74.2	70.4	73.2	68.2	Decreased, 2007-2017	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)								
81.4	83.8	81.5	77.4	74.0	80.1	Decreased, 2007-2017	No quadratic change	No change
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)								
10.8	10.3	11.4	9.5	5.9	4.2	Decreased, 2007-2017	No change, 2007-2011 Decreased, 2011-2017	No change
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)								
31.8	30.4	26.8	23.5	21.1	15.0	Decreased, 2007-2017	Decreased, 2007-2013 Decreased, 2013-2017	Decreased
QN10: Percentage of students who ever carried a weapon (such as a gun, knife, or club)								
43.8	41.2	40.0	41.9	47.5	40.2	No linear change	No quadratic change	Decreased

*Non-Hispanic.

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

White*
Injury and Violence

Health Risk Behavior and Percentages						Linear Change [†]	Quadratic Change [‡]	Change from 2015-2017 [§]
2007	2009	2011	2013	2015	2017			
QN11: Percentage of students who were ever in a physical fight								
55.3	56.6	53.6	49.8	45.1	42.1	Decreased, 2007-2017	No change, 2007-2011 Decreased, 2011-2017	No change
QN12: Percentage of students who were ever bullied on school property								
	47.4	48.3	53.2	53.1	45.8	No linear change	Not available [¶]	Decreased
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)								
		25.3	28.3	30.1	27.7	No linear change	Not available	No change
QN14: Percentage of students who ever seriously thought about killing themselves								
16.9	19.4	20.5	20.2	21.0	20.0	No linear change	No quadratic change	No change
QN15: Percentage of students who ever made a plan about how they would kill themselves								
12.6	12.2	12.6	15.0	15.7	13.2	No linear change	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, $p < 0.05$.

[¶]Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey
10-year Trend Analysis Report

White*
Injury and Violence

Health Risk Behavior and Percentages						Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]
2007	2009	2011	2013	2015	2017			
QN16: Percentage of students who ever tried to kill themselves								
7.1	6.6	6.8	7.4	7.2	8.3	No linear change	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

White* Tobacco Use						Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [‡]
Health Risk Behavior and Percentages								
2007	2009	2011	2013	2015	2017			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)								
34.4	31.4	29.4	24.5	20.4	14.7	Decreased, 2007-2017	No change, 2007-2011 Decreased, 2011-2017	Decreased
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)								
11.9	11.0	9.2	7.1	5.4	3.6	Decreased, 2007-2017	No quadratic change	Decreased
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)								
4.0	3.1	2.6	1.6	1.7	0.7	Decreased, 2007-2017	No quadratic change	No change
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)								
2.6	2.2	1.8	1.2	1.3	0.5	Decreased, 2007-2017	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, $p < 0.05$.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey
10-year Trend Analysis Report

White*
Tobacco Use

Health Risk Behavior and Percentages						Linear Change [†]	Quadratic Change [‡]	Change from 2015-2017 [§]
2007	2009	2011	2013	2015	2017			
QN21: Percentage of students who ever used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo])								
				24.6	17.9	Decreased, 2015-2017	Not available [¶]	Decreased
QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey)								
				10.4	5.3	Decreased, 2015-2017	Not available	Decreased
QN25: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)								
7.0	6.1	5.5	3.7	3.9	2.7	Decreased, 2007-2017	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, $p < 0.05$.

[¶]Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

**West Virginia Middle School Survey
10-year Trend Analysis Report**

White* Alcohol and Other Drug Use						Linear Change[†]	Quadratic Change[†]	Change from 2015-2017[§]
Health Risk Behavior and Percentages								
2007	2009	2011	2013	2015	2017			
QN26: Percentage of students who ever drank alcohol (other than a few sips)								
39.1	36.3	36.8	30.0	26.0	23.2	Decreased, 2007-2017	No quadratic change	No change
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)								
15.8	15.4	16.3	12.9	10.3	9.0	Decreased, 2007-2017	No change, 2007-2011 Decreased, 2011-2017	No change
QN28: Percentage of students who ever used marijuana								
11.0	11.1	12.0	11.9	9.4	7.7	Decreased, 2007-2017	No change, 2007-2013 Decreased, 2013-2017	No change
QN29: Percentage of students who tried marijuana for the first time before age 11 years								
2.4	3.1	3.0	3.0	3.1	1.8	No linear change	No change, 2007-2013 No change, 2013-2017	No change
QN30: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)								
4.8	5.5	4.1	2.4	2.6	2.0	Decreased, 2007-2017	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey
10-year Trend Analysis Report

White* Alcohol and Other Drug Use						Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]
Health Risk Behavior and Percentages								
2007	2009	2011	2013	2015	2017			
QN31: Percentage of students who ever used inhalants (sniffed glue, breathed the contents of spray cans, or inhaled any paints or sprays to get high)								
		12.6	10.0	6.7	6.4	Decreased, 2011-2017	Not available [¶]	No change
QN32: Percentage of students who ever took steroids without a doctor's prescription (pills or shots)								
		2.0	2.1	1.4	1.5	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey
10-year Trend Analysis Report

White* Weight Management and Dietary Behaviors						Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]
Health Risk Behavior and Percentages								
2007	2009	2011	2013	2015	2017			
QN38: Percentage of students who described themselves as slightly or very overweight						No linear change	No quadratic change	No change
27.8	26.7	29.7	28.0	25.9	28.2			
QN39: Percentage of students who were trying to lose weight						No linear change	No quadratic change	No change
51.6	47.8	48.1	51.3	45.4	48.0			
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)						Decreased, 2013-2017	Not available [¶]	No change
			11.3	8.7	9.0			
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)						Increased, 2013-2017	Not available	No change
			43.0	48.1	48.3			

*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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey
10-year Trend Analysis Report

White*
Physical Activity

Health Risk Behavior and Percentages						Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]
2007	2009	2011	2013	2015	2017			
QN41: 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)								
65.1	57.2	55.6	63.9	68.5	64.0	Increased, 2007-2017	Decreased, 2007-2011 Increased, 2011-2017	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)								
8.0	10.2	9.9	8.6	6.8	9.7	No linear change	No quadratic change	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)								
44.9	36.6	34.9	38.5	42.9	43.2	No linear change	Decreased, 2007-2011 Increased, 2011-2017	No change
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)								
33.6	34.5	34.0	34.4	27.7	25.9	Decreased, 2007-2017	No change, 2007-2013 Decreased, 2013-2017	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey 10-year Trend Analysis Report

White* Physical Activity	Health Risk Behavior and Percentages						Linear Change [†]	Quadratic Change [†]	Change from 2015-2017 [§]
	2007	2009	2011	2013	2015	2017			
QN43: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day)	25.9	28.1	32.6	43.9	47.0	48.9	Increased, 2007-2017	No quadratic change	No change
QN44: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	72.1	74.1	70.7	73.4	72.6	70.5	No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)	52.7	47.9	47.0	55.9	48.8	53.0	No linear change	No quadratic change	No change
QN45: Percentage of students who played on at least one sports team (counting any teams run by their school or community groups, during the past 12 months before the survey)	63.6	62.3	61.1	64.2	62.2	60.4	No linear change	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, $p < 0.05$.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

West Virginia Middle School Survey
10-year Trend Analysis Report

White* Other	Health Risk Behavior and Percentages						Linear Change [†]	Quadratic Change [‡]	Change from 2015-2017 [§]
	2007	2009	2011	2013	2015	2017			
	QN47: Percentage of students who had ever been told by a doctor or nurse that they had asthma								
	20.7	20.2	23.4	20.7	20.2	19.5	No linear change	No quadratic change	No change
	QN48: Percentage of students who got 8 or more hours of sleep (on an average school night)								
					46.8	50.4	No linear change	Not available [¶]	No change
	QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)								
					73.3	81.0	Increased, 2015-2017	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.