

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

**Total  
Injury and Violence**

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †					
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017							
QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle)													85.7	86.0	81.6	80.4	71.3	Decreased, 2009-2017	Not available <sup>§</sup>	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)													86.3	89.1	83.2	85.7	75.1	Decreased, 2009-2017	Not available	Decreased
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)													10.3	9.8	5.4	7.5	3.2	Decreased, 2009-2017	Not available	Decreased
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)													25.6	22.5	19.8	17.8	13.9	Decreased, 2009-2017	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Total  
Injury and Violence

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN10: Percentage of students who ever carried a weapon (such as a gun, knife, or club)													No linear change	Not available <sup>§</sup>	No change	
QN11: Percentage of students who were ever in a physical fight													Decreased, 2009-2017	Not available	Decreased	
QN12: Percentage of students who were ever bullied on school property													No linear change	Not available	No change	
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)													No linear change	Not available	No change	
QN14: Percentage of students who ever seriously thought about killing themselves													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

Kentucky Middle School Survey  
Trend Analysis Report

Total  
Injury and Violence

Health Risk Behavior and Percentages

Linear Change\*

Quadratic Change\*

Change from  
2015-2017 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

QN15: Percentage of students who ever made a plan about how they would kill themselves

11.0 11.5 9.7 13.4 10.5 No linear change Not available<sup>§</sup> Decreased

QN16: Percentage of students who ever tried to kill themselves

6.5 7.1 6.7 6.9 5.8 No linear change Not available No change

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

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

§Not enough years of data to calculate.

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

Total Tobacco Use	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)									34.1	29.3	23.7	22.5	12.1	Decreased, 2009-2017	Not available <sup>§</sup>	Decreased
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)									9.8	9.0	6.4	6.6	2.7	Decreased, 2009-2017	Not available	Decreased
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)									2.7	2.4	1.8	1.2	0.7	Decreased, 2009-2017	Not available	No change
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)									1.8	1.6	1.4	0.7	0.5	Decreased, 2009-2017	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

Kentucky Middle School Survey  
Trend Analysis Report

Total  
Tobacco Use

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	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])																
												21.8	15.1	Decreased, 2015-2017	Not available <sup>§</sup>	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)																
												12.1	3.9	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)																
								6.9	5.9	4.5	5.3	2.1		Decreased, 2009-2017	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.

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

<b>Total Alcohol and Other Drug Use</b>														<b>Linear Change*</b>	<b>Quadratic Change*</b>	<b>Change from 2015-2017 †</b>	
<b>Health Risk Behavior and Percentages</b>																	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017				
QN26: Percentage of students who ever drank alcohol (other than a few sips)														Decreased, 2009-2017	Not available <sup>§</sup>	Decreased	
							32.1	31.9	26.4	25.2	17.1						
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)														Decreased, 2009-2017	Not available	Decreased	
							14.3	13.0	12.2	10.5	7.1						
QN28: Percentage of students who ever used marijuana														No linear change	Not available	No change	
							9.8	9.2	9.5	9.0	7.3						
QN29: Percentage of students who tried marijuana for the first time before age 11 years														No linear change	Not available	No change	
							3.4	2.8	2.9	2.8	2.2						
QN30: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)														Decreased, 2009-2017	Not available	No change	
							3.6	3.8	2.8	2.7	2.2						

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

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

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Total Alcohol and Other Drug Use														Linear Change*	Quadratic Change*	Change from 2015-2017 †
Health Risk Behavior and Percentages																
1991	1993	1995	1997	1999	2001	2003	2005	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)														Decreased, 2011-2017	Not available <sup>§</sup>	No change
QN32: Percentage of students who ever took steroids without a doctor's prescription (pills or shots)														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

Kentucky Middle School Survey  
Trend Analysis Report

Total  
Sexual Behaviors

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN34: Percentage of students who ever had sexual intercourse																
								17.2	13.8	10.2	9.7	5.5		Decreased, 2009-2017	Not available <sup>§</sup>	Decreased
QN35: Percentage of students who had sexual intercourse for the first time before age 11 years																
								4.9	3.3	2.5	2.9	1.6		Decreased, 2009-2017	Not available	No change
QN36: Percentage of students who ever had sexual intercourse with three or more persons																
								5.6	4.4	3.5	3.1	1.4		Decreased, 2009-2017	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.

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## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

<b>Total</b>														<b>Linear Change*</b>	<b>Quadratic Change*</b>	<b>Change from 2015-2017 †</b>
<b>Weight Management and Dietary Behaviors</b>																
<b>Health Risk Behavior and Percentages</b>																
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN38: Percentage of students who described themselves as slightly or very overweight														No linear change	Not available <sup>§</sup>	No change
									28.1	28.1	28.0	30.3	27.0			
QN39: Percentage of students who were trying to lose weight														No linear change	Not available	No change
									47.4	50.0	49.7	47.8	46.7			
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)														Decreased, 2009-2017	Not available	No change
									13.4	11.4	10.7	10.5	9.7			
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)														Increased, 2009-2017	Not available	No change
									39.2	40.1	43.9	46.0	46.6			

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

Total Physical Activity	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
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)									54.5	52.3	54.8	47.9	52.7	No linear change	Not available <sup>§</sup>	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)									10.3	12.2	12.0	12.6	12.4	No linear change	Not available	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)									34.4	31.8	31.6	28.7	28.2	Decreased, 2009-2017	Not available	No change
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)									38.1	36.6	34.4	33.7	24.4	Decreased, 2009-2017	Not available	Decreased

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

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Total  
Physical Activity

Health Risk Behavior and Percentages

Linear Change\*

Quadratic Change\*

Change from  
2015-2017 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 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)

31.3 34.9 41.4 48.4 45.4 Increased, 2009-2017 Not available<sup>§</sup> 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)

44.6 45.5 47.5 50.5 36.8 No linear change Not available Decreased

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

34.7 30.8 25.6 25.3 19.5 Decreased, 2009-2017 Not available 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)

59.9 58.7 62.3 59.1 63.3 No linear change Not available No change

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§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Total Other	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015				2017
QN47: Percentage of students who had ever been told by a doctor or nurse that they had asthma																	
									22.8	22.3	20.3	20.6	18.7	Decreased, 2009-2017	Not available <sup>§</sup>	No change	
QN48: Percentage of students who got 8 or more hours of sleep (on an average school night)																	
												49.0	53.6	Increased, 2015-2017	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)																	
											74.5	78.7	74.8	84.3	Increased, 2011-2017	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

### Kentucky Middle School Survey Trend Analysis Report

Total Site-Added	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †				
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015				2017			
QN50: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey)													16.9	16.0	No linear change	Not available <sup>§</sup>	No change			
QN51: Percentage of students who smoked cigarettes on school property (on at least 1 day during the 30 days before the survey)													2.0	1.0	No linear change	Not available	No change			
QN54: Percentage of students who had oral sex													10.2	10.9	10.2	No linear change	Not available	No change		
QN58: Percentage of students who brushed their teeth on all 7 days (during the 7 days before the survey)													74.3	72.9	73.1	73.8	73.3	No linear change	Not available	No change
QN59: Percentage of students who flossed their teeth on all 7 days (during the 7 days before the survey)													24.5	22.0	22.2	22.0	17.9	Decreased, 2009-2017	Not available	Decreased

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

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Total Site-Added	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015				2017
QN60: Percentage of students who do not have an adult in their life that they trust and can talk to about serious problems																	
												12.4	12.5	10.5	No linear change	Not available <sup>§</sup>	No change
QN61: Percentage of students who reported their parents or other adults in their family most of the time or always ask where they are going or with whom they will be																	
												74.1	72.8	76.8	No linear change	Not available	No change

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

†Based on t-test analysis, p < 0.05.

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## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

#### Male Injury and Violence

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle)													Decreased, 2009-2017	Not available <sup>§</sup>	No change	
									86.7	87.6	83.5	81.5	73.9			
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)													Decreased, 2009-2017	Not available	No change	
									89.9	88.9	84.6	83.5	77.4			
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)													Decreased, 2009-2017	Not available	Decreased	
									11.8	10.8	6.0	9.1	3.2			
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)													Decreased, 2009-2017	Not available	Decreased	
									26.1	23.1	18.0	17.5	12.1			
QN10: Percentage of students who ever carried a weapon (such as a gun, knife, or club)													Decreased, 2009-2017	Not available	No change	
									56.5	49.4	52.2	51.1	45.4			

\*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

Kentucky Middle School Survey  
Trend Analysis Report

Male  
Injury and Violence

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN11: Percentage of students who were ever in a physical fight									70.4	64.0	61.1	59.6	45.8	Decreased, 2009-2017	Not available <sup>§</sup>	Decreased
QN12: Percentage of students who were ever bullied on school property									38.9	38.8	41.0	39.9	37.7	No linear change	Not available	No change
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)										12.1	15.4	13.9	14.2	No linear change	Not available	No change
QN14: Percentage of students who ever seriously thought about killing themselves									14.4	13.7	10.6	11.3	11.7	Decreased, 2009-2017	Not available	No change
QN15: Percentage of students who ever made a plan about how they would kill themselves									9.7	8.5	8.5	8.9	6.4	Decreased, 2009-2017	Not available	Decreased

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

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

**Kentucky Middle School Survey  
Trend Analysis Report**

**Male  
Injury and Violence**

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN16: Percentage of students who ever tried to kill themselves																
									5.9	4.9	5.4	3.4	3.9	Decreased, 2009-2017	Not available <sup>§</sup>	No change

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

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2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Male  
Tobacco Use

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)																
									35.8	28.9	24.0	21.8	11.0	Decreased, 2009-2017	Not available <sup>§</sup>	Decreased
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)																
									11.0	8.4	6.3	6.0	2.1	Decreased, 2009-2017	Not available	Decreased
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)																
									3.3	2.4	1.6	1.1	0.7	Decreased, 2009-2017	Not available	No change
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)																
									2.5	1.8	1.3	0.6	0.5	Decreased, 2009-2017	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

Kentucky Middle School Survey  
Trend Analysis Report

Male  
Tobacco Use

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	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])																
												22.6	14.6	Decreased, 2015-2017	Not available <sup>§</sup>	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)																
												13.1	4.3	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)																
								8.1	7.1	5.3	6.6	2.3		Decreased, 2009-2017	Not available	Decreased

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

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§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Male Alcohol and Other Drug Use														Linear Change*	Quadratic Change*	Change from 2015-2017 †
Health Risk Behavior and Percentages																
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN26: Percentage of students who ever drank alcohol (other than a few sips)														Decreased, 2009-2017	Not available <sup>§</sup>	Decreased
									35.9	33.9	26.7	26.8	16.2			
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)														Decreased, 2009-2017	Not available	Decreased
									16.3	16.5	12.2	12.1	7.2			
QN28: Percentage of students who ever used marijuana														Decreased, 2009-2017	Not available	No change
									11.0	10.6	10.6	9.7	6.6			
QN29: Percentage of students who tried marijuana for the first time before age 11 years														Decreased, 2009-2017	Not available	No change
									3.9	4.1	3.6	3.6	2.2			
QN30: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)														No linear change	Not available	No change
									4.2	3.1	2.4	2.9	2.8			

\*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

Kentucky Middle School Survey  
Trend Analysis Report

Male														Linear Change*	Quadratic Change*	Change from 2015-2017 †
Alcohol and Other Drug Use																
Health Risk Behavior and Percentages																
1991	1993	1995	1997	1999	2001	2003	2005	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)																
										9.9	8.6	6.1	5.4	Decreased, 2011-2017	Not available <sup>§</sup>	No change
QN32: Percentage of students who ever took steroids without a doctor's prescription (pills or shots)																
										2.7	2.8	2.1	1.8	No linear change	Not available	No change

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Male Sexual Behaviors														Linear Change*	Quadratic Change*	Change from 2015-2017 †	
Health Risk Behavior and Percentages																	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017				
QN34: Percentage of students who ever had sexual intercourse														Decreased, 2009-2017	Not available <sup>§</sup>	Decreased	
								21.4	17.1	12.6	12.1	6.3					
QN35: Percentage of students who had sexual intercourse for the first time before age 11 years														Decreased, 2009-2017	Not available	No change	
								6.7	4.7	3.0	3.7	2.1					
QN36: Percentage of students who ever had sexual intercourse with three or more persons														Decreased, 2009-2017	Not available	Decreased	
								6.9	5.6	4.0	4.3	1.6					

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

<b>Male</b>														<b>Linear Change*</b>	<b>Quadratic Change*</b>	<b>Change from 2015-2017 †</b>
<b>Weight Management and Dietary Behaviors</b>																
<b>Health Risk Behavior and Percentages</b>																
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN38: Percentage of students who described themselves as slightly or very overweight																
									27.5	26.8	27.9	26.8	26.8	No linear change	Not available <sup>§</sup>	No change
QN39: Percentage of students who were trying to lose weight																
									40.1	41.2	41.7	38.4	40.9	No linear change	Not available	No change
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)																
									12.0	8.5	7.1	7.8	7.1	Decreased, 2009-2017	Not available	No change
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)																
									46.6	47.3	52.9	53.8	51.7	Increased, 2009-2017	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

### Kentucky Middle School Survey Trend Analysis Report

<b>Male</b>																						
<b>Physical Activity</b>																						
<b>Health Risk Behavior and Percentages</b>														<b>Linear Change*</b>	<b>Quadratic Change*</b>	<b>Change from 2015-2017 †</b>						
1991	1993	1995	1997	1999	2001	2003	2005	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)														59.1	58.6	60.0	54.4	56.0	No linear change		Not available <sup>§</sup>	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)														10.1	9.8	12.4	11.5	12.5	No linear change		Not available	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)														40.9	39.2	37.7	36.3	32.9	Decreased, 2009-2017		Not available	No change
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)														40.0	36.6	33.9	34.7	24.0	Decreased, 2009-2017		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.



## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

<b>Male</b>																							
<b>Physical Activity</b>																							
<b>Health Risk Behavior and Percentages</b>													<b>Linear Change*</b>	<b>Quadratic Change*</b>	<b>Change from 2015-2017 †</b>								
1991	1993	1995	1997	1999	2001	2003	2005	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)													38.2	40.2	42.1	46.8	46.2	Increased, 2009-2017		Not available <sup>§</sup>		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)													46.1	48.8	51.1	53.1	39.8	No linear change		Not available		Decreased	
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)													35.4	33.4	28.4	27.8	23.0	Decreased, 2009-2017		Not available		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)													62.0	58.9	62.7	61.6	64.5	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Male Other	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †		
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015				2017	
	QN47: Percentage of students who had ever been told by a doctor or nurse that they had asthma																	
								24.8	22.0	20.9	20.8	20.0		Decreased, 2009-2017	Not available <sup>§</sup>	No change		
	QN48: Percentage of students who got 8 or more hours of sleep (on an average school night)																	
												50.0	53.9	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)																	
												69.7	73.9	72.9	82.2	Increased, 2011-2017	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

### Kentucky Middle School Survey Trend Analysis Report

**Male  
Site-Added**

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †					
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017								
QN50: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey)														9.8	10.9	No linear change	Not available <sup>§</sup>	No change			
QN51: Percentage of students who smoked cigarettes on school property (on at least 1 day during the 30 days before the survey)														2.2	1.0	Decreased, 2015-2017	Not available	Decreased			
QN54: Percentage of students who had oral sex														12.4	11.5	10.6	No linear change	Not available	No change		
QN58: Percentage of students who brushed their teeth on all 7 days (during the 7 days before the survey)														67.5	69.0	67.0	67.2	67.8	No linear change	Not available	No change
QN59: Percentage of students who flossed their teeth on all 7 days (during the 7 days before the survey)														21.6	20.2	19.4	21.5	16.6	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Male  
Site-Added

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN60: Percentage of students who do not have an adult in their life that they trust and can talk to about serious problems													No linear change	Not available <sup>§</sup>	No change	
QN61: Percentage of students who reported their parents or other adults in their family most of the time or always ask where they are going or with whom they will be													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

Kentucky Middle School Survey  
Trend Analysis Report

Female  
Injury and Violence

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN6: Percentage of students who rarely or never wore a bicycle helmet (among students who had ridden a bicycle)													Decreased, 2009-2017	Not available <sup>§</sup>	Decreased	
									84.3	84.7	79.5	79.0	68.6			
QN7: Percentage of students who rarely or never wore a helmet when rollerblading or skateboarding (among students who used rollerblades or rode a skateboard)													No linear change	Not available	Decreased	
									82.4	89.1	82.1	88.0	73.1			
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)													Decreased, 2009-2017	Not available	Decreased	
									8.6	8.9	4.8	5.6	3.2			
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)													Decreased, 2009-2017	Not available	No change	
									25.0	22.0	21.7	18.2	15.8			
QN10: Percentage of students who ever carried a weapon (such as a gun, knife, or club)													Increased, 2009-2017	Not available	No change	
									16.3	13.4	20.6	23.4	22.5			

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

#### Female Injury and Violence

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN11: Percentage of students who were ever in a physical fight									38.8	36.3	31.8	32.8	27.9	Decreased, 2009-2017	Not available <sup>§</sup>	No change
QN12: Percentage of students who were ever bullied on school property									44.9	47.2	57.2	54.6	49.8	Increased, 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)									31.3	34.8	35.4	32.9	No linear change	Not available	No change	
QN14: Percentage of students who ever seriously thought about killing themselves									20.6	24.4	19.6	26.0	24.7	No linear change	Not available	No change
QN15: Percentage of students who ever made a plan about how they would kill themselves									12.3	14.4	11.1	18.3	14.9	Increased, 2009-2017	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

Kentucky Middle School Survey  
Trend Analysis Report

Female  
Injury and Violence

Health Risk Behavior and Percentages

Linear Change\*

Quadratic Change\*

Change from  
2015-2017 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

QN16: Percentage of students who ever tried to kill themselves

7.2 9.3 8.1 10.7 7.6 No linear change Not available<sup>§</sup> Decreased

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

**Female  
Tobacco Use**

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017				
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)													Decreased, 2009-2017	Not available <sup>§</sup>	Decreased		
							32.2	29.5	23.3	23.3	13.1						
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)													Decreased, 2009-2017	Not available	Decreased		
							8.4	9.7	6.2	7.2	3.3						
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)													Decreased, 2009-2017	Not available	No change		
							2.1	2.3	1.9	1.2	0.7						
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)													No linear change	Not available	No change		
							1.1	1.5	1.4	0.7	0.5						

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.



2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Female  
Tobacco Use

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	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])																
												20.9	15.8	Decreased, 2015-2017	Not available <sup>§</sup>	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)																
												11.0	3.5	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)																
								5.4	4.5	3.5	4.0	1.9		Decreased, 2009-2017	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.

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

#### Female

#### Alcohol and Other Drug Use

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN26: Percentage of students who ever drank alcohol (other than a few sips)														Decreased, 2009-2017	Not available <sup>§</sup>	No change
									28.0	29.9	26.0	23.6	18.0			
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)														Decreased, 2009-2017	Not available	No change
									12.3	9.5	12.1	9.0	6.9			
QN28: Percentage of students who ever used marijuana														No linear change	Not available	No change
									8.5	7.6	8.2	8.2	8.2			
QN29: Percentage of students who tried marijuana for the first time before age 11 years														No linear change	Not available	No change
									2.7	1.5	2.1	1.8	2.2			
QN30: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)														Decreased, 2009-2017	Not available	No change
									2.9	4.3	3.1	2.4	1.7			

\*Based on trend analyses using a logistic regression model controlling 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

Kentucky Middle School Survey  
Trend Analysis Report

Female

Alcohol and Other Drug Use

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	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)																
										11.6	7.9	8.2	6.5	Decreased, 2011-2017	Not available <sup>§</sup>	No change
QN32: Percentage of students who ever took steroids without a doctor's prescription (pills or shots)																
										1.6	1.2	2.4	1.7	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Female  
Sexual Behaviors

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN34: Percentage of students who ever had sexual intercourse																
									12.8	10.6	7.6	7.3	4.8	Decreased, 2009-2017	Not available <sup>§</sup>	No change
QN35: Percentage of students who had sexual intercourse for the first time before age 11 years																
									3.2	2.0	2.0	2.1	1.1	No linear change	Not available	No change
QN36: Percentage of students who ever had sexual intercourse with three or more persons																
									4.1	3.2	2.7	1.9	1.1	Decreased, 2009-2017	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

Kentucky Middle School Survey

Trend Analysis Report

Female

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN38: Percentage of students who described themselves as slightly or very overweight													No linear change	Not available <sup>§</sup>	Decreased	
QN39: Percentage of students who were trying to lose weight													No linear change	Not available	No change	
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)													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)													Increased, 2009-2017	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

Kentucky Middle School Survey  
Trend Analysis Report

Female  
Physical Activity

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	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)													No linear change	Not available <sup>§</sup>	Increased	
								49.2	46.2	49.5	41.1	49.3				
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)													No linear change	Not available	No change	
								10.7	14.5	11.7	13.9	12.3				
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)													No linear change	Not available	No change	
								27.3	24.6	25.2	20.9	23.2				
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)													Decreased, 2009-2017	Not available	Decreased	
								36.2	36.6	34.8	32.6	24.9				

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Female  
Physical Activity

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	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)													Increased, 2009-2017	Not available <sup>§</sup>	No change	
								23.8	29.6	40.6	49.9	44.8				
QN44: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)													No linear change	Not available	Decreased	
								42.9	42.1	43.7	47.5	33.7				
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)													Decreased, 2009-2017	Not available	No change	
								33.8	28.4	22.7	22.4	15.9				
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)													No linear change	Not available	No change	
								57.6	58.4	61.9	56.5	62.0				

\*Based on trend analyses using a logistic regression model controlling 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

Kentucky Middle School Survey  
Trend Analysis Report

Female Other	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †		
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015				2017	
	QN47: Percentage of students who had ever been told by a doctor or nurse that they had asthma																	
								20.6	22.2	19.6	20.5	17.3		No linear change	Not available <sup>§</sup>	No change		
	QN48: Percentage of students who got 8 or more hours of sleep (on an average school night)																	
												48.1	53.2	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)																	
												79.6	83.8	76.9	86.5	No linear change	Not available	Increased

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.



2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Female  
Site-Added

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †					
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017							
QN50: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey)													24.4	21.1	Decreased, 2015-2017	Not available <sup>§</sup>	No change			
QN51: Percentage of students who smoked cigarettes on school property (on at least 1 day during the 30 days before the survey)													1.6	1.0	No linear change	Not available	No change			
QN54: Percentage of students who had oral sex													7.7	10.3	9.9	No linear change	Not available	No change		
QN58: Percentage of students who brushed their teeth on all 7 days (during the 7 days before the survey)													81.6	77.0	79.8	80.8	79.2	No linear change	Not available	No change
QN59: Percentage of students who flossed their teeth on all 7 days (during the 7 days before the survey)													27.7	23.8	25.3	22.6	19.3	Decreased, 2009-2017	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

Kentucky Middle School Survey  
Trend Analysis Report

Female  
Site-Added

Health Risk Behavior and Percentages

Linear Change\*

Quadratic Change\*

Change from  
2015-2017 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

QN60: Percentage of students who do not have an adult in their life that they trust and can talk to about serious problems

13.5 14.9 11.9

No linear change

Not available<sup>§</sup>

No change

QN61: Percentage of students who reported their parents or other adults in their family most of the time or always ask where they are going or with whom they will be

80.9 77.8 82.1

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.

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

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

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>						
1991	1993	1995	1997	1999	2001	2003	2005	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)													85.1	85.5	80.9	80.3	69.5	Decreased, 2009-2017		Not available <sup>¶</sup>	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)													87.1	89.1	82.3	86.7	73.4	Decreased, 2009-2017		Not available	Decreased
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)													10.3	9.2	4.7	7.1	2.8	Decreased, 2009-2017		Not available	Decreased
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)													25.0	22.8	18.7	17.2	14.3	Decreased, 2009-2017		Not available	No change
QN10: Percentage of students who ever carried a weapon (such as a gun, knife, or club)													38.9	32.4	38.6	39.8	36.6	No linear change		Not available	No change

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

White\*  
Injury and Violence

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN11: Percentage of students who were ever in a physical fight													Decreased, 2009-2017	Not available <sup>¶</sup>	Decreased	
									53.5	47.8	43.8	42.1	33.1			
QN12: Percentage of students who were ever bullied on school property													No linear change	Not available	No change	
									43.2	44.2	49.6	48.5	43.4			
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)													No linear change	Not available	No change	
									22.4	25.3	27.2	23.3				
QN14: Percentage of students who ever seriously thought about killing themselves													No linear change	Not available	No change	
									16.8	18.5	13.4	17.6	17.9			
QN15: Percentage of students who ever made a plan about how they would kill themselves													No linear change	Not available	No change	
									10.8	11.2	9.3	12.9	10.5			

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

White\*  
Injury and Violence

Health Risk Behavior and Percentages

Linear Change†

Quadratic Change†

Change from  
2015-2017 §

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017

QN16: Percentage of students who ever tried to kill themselves

5.7 6.6 6.0 6.3 5.4 No linear change Not available¶ No change

\*Non-Hispanic.

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

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

¶Not enough years of data to calculate.

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

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

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017				
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)													Decreased, 2009-2017	Not available <sup>¶</sup>	Decreased		
							33.9	29.9	22.9	22.0	12.2						
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)													Decreased, 2009-2017	Not available	Decreased		
							10.5	9.6	6.2	6.6	2.9						
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)													Decreased, 2009-2017	Not available	No change		
							3.0	2.6	1.6	0.8	0.8						
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)													Decreased, 2009-2017	Not available	No change		
							1.8	1.7	1.2	0.7	0.7						

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

White\*  
Tobacco Use

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>					
1991	1993	1995	1997	1999	2001	2003	2005	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])													20.9	15.1	Decreased, 2015-2017	Not available <sup>¶</sup>	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)													11.6	3.9	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)													6.4	5.4	3.7	4.6	1.9	Decreased, 2009-2017	Not available	Decreased

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

White\*

Alcohol and Other Drug Use

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN26: Percentage of students who ever drank alcohol (other than a few sips)													Decreased, 2009-2017	Not available <sup>¶</sup>	Decreased	
									31.4	32.1	24.7	25.4	17.3			
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)													Decreased, 2009-2017	Not available	No change	
									13.3	12.7	11.4	9.9	7.0			
QN28: Percentage of students who ever used marijuana													No linear change	Not available	No change	
									9.2	8.1	7.8	8.4	6.9			
QN29: Percentage of students who tried marijuana for the first time before age 11 years													No linear change	Not available	No change	
									3.1	2.3	2.4	2.4	1.9			
QN30: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)													Decreased, 2009-2017	Not available	No change	
									3.8	3.2	2.5	2.5	2.1			

\*Non-Hispanic.

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

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

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



2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

White\*

Alcohol and Other Drug Use

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	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)																
										10.9	7.8	6.9	5.7	Decreased, 2011-2017	Not available <sup>¶</sup>	No change
QN32: Percentage of students who ever took steroids without a doctor's prescription (pills or shots)																
										1.8	1.9	1.7	1.4	No linear change	Not available	No change

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

White\*  
Sexual Behaviors

	Health Risk Behavior and Percentages												Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013				2015
QN34: Percentage of students who ever had sexual intercourse									16.2	13.0	8.9	8.7	5.1	Decreased, 2009-2017	Not available <sup>¶</sup>	Decreased
QN35: Percentage of students who had sexual intercourse for the first time before age 11 years									3.9	2.6	2.1	2.3	1.6	Decreased, 2009-2017	Not available	No change
QN36: Percentage of students who ever had sexual intercourse with three or more persons									4.6	3.9	2.5	2.5	1.3	Decreased, 2009-2017	Not available	No change

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

White\*

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages

Linear Change<sup>†</sup>

Quadratic Change<sup>†</sup>

Change from  
2015-2017<sup>§</sup>

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN38: Percentage of students who described themselves as slightly or very overweight																
									28.3	29.1	28.9	30.4	27.6	No linear change	Not available <sup>¶</sup>	No change
QN39: Percentage of students who were trying to lose weight																
									47.8	50.9	49.8	47.1	45.9	No linear change	Not available	No change
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)																
									12.7	10.9	9.9	10.9	8.4	Decreased, 2009-2017	Not available	No change
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)																
									39.1	40.1	43.8	44.1	46.2	Increased, 2009-2017	Not available	No change

\*Non-Hispanic.

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

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

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

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

**White\***

**Physical Activity**

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>						
1991	1993	1995	1997	1999	2001	2003	2005	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)													55.3	53.0	55.1	47.5	54.4	No linear change		Not available <sup>¶</sup>	Increased
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)													8.6	11.2	10.8	12.1	10.7	No linear change		Not available	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)													34.2	32.0	31.5	27.4	28.3	Decreased, 2009-2017		Not available	No change
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)													36.1	34.7	31.4	30.2	21.6	Decreased, 2009-2017		Not available	Decreased

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

White\*  
Physical Activity

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	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)													Increased, 2009-2017	Not available <sup>¶</sup>	No change	
								30.0	34.8	40.2	48.5	44.6				
QN44: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)													No linear change	Not available	Decreased	
								44.8	45.9	47.5	50.8	36.4				
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)													Decreased, 2009-2017	Not available	No change	
								35.2	31.8	25.6	24.3	18.5				
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)													No linear change	Not available	No change	
								59.5	59.0	62.6	59.1	64.3				

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

White* Other	Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015			
QN47: Percentage of students who had ever been told by a doctor or nurse that they had asthma																
									23.1	21.7	18.9	19.7	17.7	Decreased, 2009-2017	Not available <sup>¶</sup>	No change
QN48: Percentage of students who got 8 or more hours of sleep (on an average school night)																
												49.6	53.7	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)																
										76.3	80.9	75.9	86.1	Increased, 2011-2017	Not available	Increased

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

White\*  
Site-Added

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017				
QN50: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey)																	
												17.2	16.3	No linear change	Not available <sup>¶</sup>	No change	
QN51: Percentage of students who smoked cigarettes on school property (on at least 1 day during the 30 days before the survey)																	
												1.9	1.0	No linear change	Not available	No change	
QN54: Percentage of students who had oral sex																	
												9.0	10.3	9.8	No linear change	Not available	No change
QN58: Percentage of students who brushed their teeth on all 7 days (during the 7 days before the survey)																	
								73.9	71.5	72.5	72.8	71.8		No linear change	Not available	No change	
QN59: Percentage of students who flossed their teeth on all 7 days (during the 7 days before the survey)																	
									23.1	20.7	21.3	20.1	17.3	Decreased, 2009-2017	Not available	No change	

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

White\*  
Site-Added

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN60: Percentage of students who do not have an adult in their life that they trust and can talk to about serious problems													No linear change	Not available <sup>¶</sup>	Decreased	
QN61: Percentage of students who reported their parents or other adults in their family most of the time or always ask where they are going or with whom they will be													No linear change	Not available	No change	

\*Non-Hispanic.

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

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

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



2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Black\*  
Injury and Violence

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)																
									7.6	15.2	10.7	7.1	4.6	Decreased, 2009-2017	Not available <sup>¶</sup>	No change
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)																
									34.1	21.2	22.3	19.4	12.1	Decreased, 2009-2017	Not available	No change
QN10: Percentage of students who ever carried a weapon (such as a gun, knife, or club)																
									25.8	25.2	23.8	24.8	17.5	No linear change	Not available	No change
QN11: Percentage of students who were ever in a physical fight																
									73.1	64.7	67.1	72.9	60.8	No linear change	Not available	No change
QN12: Percentage of students who were ever bullied on school property																
									31.5	34.6	38.1	32.7	42.3	No linear change	Not available	No change

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Black\*  
Injury and Violence

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)													No linear change	Not available <sup>¶</sup>	No change	
QN14: Percentage of students who ever seriously thought about killing themselves													No linear change	Not available	No change	
QN15: Percentage of students who ever made a plan about how they would kill themselves													No linear change	Not available	Decreased	
QN16: Percentage of students who ever tried to kill themselves													No linear change	Not available	No change	

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Black\*  
Tobacco Use

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)																
									36.7	23.3	28.8	28.7	9.4	Decreased, 2009-2017	Not available <sup>¶</sup>	Decreased
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)																
									5.3	4.6	5.3	6.7	1.8	No linear change	Not available	Decreased
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)																
									1.7	0.9	0.9	2.7	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)																
									1.7	0.9	0.5	0.0	0.0	Not available	Not available	Not available

\*Non-Hispanic.

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

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

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

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

**Black\***

**Tobacco Use**

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>					
1991	1993	1995	1997	1999	2001	2003	2005	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])													29.0	13.2	Decreased, 2015-2017	Not available <sup>¶</sup>	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)													14.3	2.6	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)													8.7	8.7	9.5	8.5	3.7	No linear change	Not available	No change

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Black\*

Alcohol and Other Drug Use

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN26: Percentage of students who ever drank alcohol (other than a few sips)													Decreased, 2009-2017	Not available <sup>¶</sup>	Decreased	
									39.7	27.7	34.1	27.6	14.8			
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)													Decreased, 2009-2017	Not available	Decreased	
									21.6	11.5	16.6	13.9	5.3			
QN28: Percentage of students who ever used marijuana													No linear change	Not available	No change	
									14.4	13.4	18.0	11.1	9.6			
QN29: Percentage of students who tried marijuana for the first time before age 11 years													No linear change	Not available	No change	
									5.6	3.8	6.0	4.0	1.8			
QN30: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)													No linear change	Not available	No change	
									1.0	5.5	3.6	1.9	3.6			

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Black\*

Alcohol and Other Drug Use

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	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)													No linear change	Not available <sup>¶</sup>	No change	
QN32: Percentage of students who ever took steroids without a doctor's prescription (pills or shots)													No linear change	Not available	No change	

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Black\*  
Sexual Behaviors

	Health Risk Behavior and Percentages												Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013				2015
QN34: Percentage of students who ever had sexual intercourse									27.7	21.0	16.9	16.3	9.2	Decreased, 2009-2017	Not available <sup>¶</sup>	No change
QN35: Percentage of students who had sexual intercourse for the first time before age 11 years									11.6	7.9	3.4	6.8	1.7	Decreased, 2009-2017	Not available	No change
QN36: Percentage of students who ever had sexual intercourse with three or more persons									12.2	8.1	8.1	8.1	1.8	Decreased, 2009-2017	Not available	No change

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Black\*

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages

Linear Change<sup>†</sup>

Quadratic Change<sup>†</sup>

Change from  
2015-2017<sup>§</sup>

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN38: Percentage of students who described themselves as slightly or very overweight																
								24.2	25.4	19.0	27.3	21.2		No linear change	Not available <sup>¶</sup>	No change
QN39: Percentage of students who were trying to lose weight																
								43.1	40.1	47.5	51.6	45.0		No linear change	Not available	No change
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)																
								19.0	12.4	14.3	6.0	16.8		No linear change	Not available	Increased
QNBK7DAY: Percentage of students who ate breakfast on all 7 days (during the 7 days before the survey)																
								37.4	35.6	43.1	52.5	44.7		Increased, 2009-2017	Not available	No change

\*Non-Hispanic.

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

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

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



## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

**Black\***

**Physical Activity**

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>						
1991	1993	1995	1997	1999	2001	2003	2005	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)													53.7	45.0	56.6	47.4	48.0	No linear change		Not available <sup>¶</sup>	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)													18.1	18.2	16.6	15.7	18.2	No linear change		Not available	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)													36.6	29.4	37.5	34.6	28.6	No linear change		Not available	No change
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)													53.9	52.3	52.1	59.6	45.2	No linear change		Not available	No change

\*Non-Hispanic.

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

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

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

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

**Black\***

**Physical Activity**

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	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)													Increased, 2009-2017	Not available <sup>¶</sup>	No change	
						39.7	36.8	49.5	55.1	45.4						
QN44: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)													No linear change	Not available	No change	
						49.0	47.2	46.5	49.7	42.0						
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)													No linear change	Not available	No change	
						34.3	30.8	25.6	34.0	25.9						
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)													No linear change	Not available	No change	
						64.2	60.4	63.7	62.5	66.4						

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Black* Other	Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015				2017
	QN47: Percentage of students who had ever been told by a doctor or nurse that they had asthma																
								27.6	27.3	26.3	30.1	27.9		No linear change	Not available <sup>¶</sup>	No change	
	QN48: Percentage of students who got 8 or more hours of sleep (on an average school night)																
												43.5	54.0	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)																
											66.0	71.7	70.6	76.4	No linear change	Not available	No change

\*Non-Hispanic.

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

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

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

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

**Black\*  
Site-Added**

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>					
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017							
QN50: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey)													13.0	12.0	No linear change	Not available <sup>¶</sup>	No change			
QN51: Percentage of students who smoked cigarettes on school property (on at least 1 day during the 30 days before the survey)													1.6	0.0	Not available	Not available	Not available			
QN54: Percentage of students who had oral sex													14.7	16.3	10.3	No linear change	Not available	No change		
QN58: Percentage of students who brushed their teeth on all 7 days (during the 7 days before the survey)													79.7	81.0	82.2	81.1	84.0	No linear change	Not available	No change
QN59: Percentage of students who flossed their teeth on all 7 days (during the 7 days before the survey)													30.2	25.2	28.8	31.4	24.5	No linear change	Not available	No change

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Black\*  
Site-Added

Health Risk Behavior and Percentages													Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2015-2017 <sup>§</sup>	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN60: Percentage of students who do not have an adult in their life that they trust and can talk to about serious problems													No linear change	Not available <sup>¶</sup>	No change	
QN61: Percentage of students who reported their parents or other adults in their family most of the time or always ask where they are going or with whom they will be													No linear change	Not available	Increased	

\*Non-Hispanic.

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

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

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

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Hispanic  
Injury and Violence

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)													No linear change	Not available <sup>§</sup>	No change	
								15.4	9.7	8.5	9.9	5.6				
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)													Decreased, 2009-2017	Not available	No change	
								24.5	27.1	30.6	22.3	13.2				
QN10: Percentage of students who ever carried a weapon (such as a gun, knife, or club)													No linear change	Not available	No change	
										26.9	38.0	38.5	26.2			
QN11: Percentage of students who were ever in a physical fight													No linear change	Not available	No change	
										51.8	60.3	52.9	42.4			
QN12: Percentage of students who were ever bullied on school property													No linear change	Not available	No change	
										35.8	61.8	45.1	44.6			

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Hispanic  
Injury and Violence

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017				
QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)																	
										14.3	26.9	18.3	31.9	Increased, 2011-2017	Not available <sup>§</sup>	Increased	
QN14: Percentage of students who ever seriously thought about killing themselves																	
										26.1	19.1	35.5	21.7	26.7	No linear change	Not available	No change
QN15: Percentage of students who ever made a plan about how they would kill themselves																	
										15.5	20.8	16.7	15.3	No linear change	Not available	No change	
QN16: Percentage of students who ever tried to kill themselves																	
										9.5	16.8	9.0	10.4	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Hispanic  
Tobacco Use

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)													Decreased, 2011-2017	Not available <sup>§</sup>	Decreased	
										30.5	29.7	25.7	14.0			
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)													No linear change	Not available	No change	
										10.1	11.9	7.6	3.3			
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)													No linear change	Not available	No change	
										3.9	4.3	2.8	1.0			
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)													Not available	Not available	Not available	
										3.3	3.3	2.0	0.0			

\*Based on trend analyses using a logistic regression model controlling 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

Kentucky Middle School Survey  
Trend Analysis Report

Hispanic  
Tobacco Use

Health Risk Behavior and Percentages														Linear Change*	Quadratic Change*	Change from 2015-2017 †		
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	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])																		
												28.6	18.9	No linear change	Not available <sup>§</sup>	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)																		
												17.4	4.0	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)																		
												8.2	8.5	9.5	3.9	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Hispanic  
Alcohol and Other Drug Use

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN28: Percentage of students who ever used marijuana													No linear change	Not available <sup>§</sup>	No change	
QN29: Percentage of students who tried marijuana for the first time before age 11 years													No linear change	Not available	No change	
QN30: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase)													No linear change	Not available	No change	
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)													No linear change	Not available	No change	
QN32: Percentage of students who ever took steroids without a doctor's prescription (pills or shots)													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

Kentucky Middle School Survey

Trend Analysis Report

Hispanic

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages

Linear Change\*

Quadratic Change\*

Change from 2015-2017 †

	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN38: Percentage of students who described themselves as slightly or very overweight										23.0	26.1	34.1	29.3	36.3	No linear change	Not available <sup>§</sup>	No change
QN39: Percentage of students who were trying to lose weight										43.6	53.5	60.2	49.9	61.8	No linear change	Not available	No change
QN40: Percentage of students who did not eat breakfast (during the 7 days before the survey)											18.7	15.9	14.0	16.8	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)											41.0	37.7	54.2	52.6	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.

## 2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

### Kentucky Middle School Survey Trend Analysis Report

**Hispanic  
Physical Activity**

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †				
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	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)													49.3	41.9	53.7	46.9	No linear change	Not available <sup>§</sup>	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)													15.3	18.0	14.5	18.2	No linear change	Not available	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)													30.5	25.0	36.9	24.0	No linear change	Not available	No change
QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)													46.9	45.3	28.7	27.5	Decreased, 2011-2017	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

Kentucky Middle School Survey  
Trend Analysis Report

Hispanic  
Physical Activity

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	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)																
										33.8	42.8	41.3	51.8	Increased, 2011-2017	Not available <sup>§</sup>	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)																
										52.3	58.2	54.4	55.1	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.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Hispanic Other	Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †		
	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015				2017	
	QN47: Percentage of students who had ever been told by a doctor or nurse that they had asthma																	
								22.3	18.8	28.5	21.6	16.5		No linear change	Not available <sup>§</sup>	No change		
	QN48: Percentage of students who got 8 or more hours of sleep (on an average school night)																	
												53.6	53.8	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)																	
												69.2	65.6	63.0	80.5	No linear change	Not available	Increased

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2017 YOUTH RISK BEHAVIOR SURVEY RESULTS

Kentucky Middle School Survey  
Trend Analysis Report

Hispanic  
Site-Added

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN50: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey)																
												19.7	19.0	No linear change	Not available <sup>§</sup>	No change
QN51: Percentage of students who smoked cigarettes on school property (on at least 1 day during the 30 days before the survey)																
												4.2	2.5	No linear change	Not available	No change
QN58: Percentage of students who brushed their teeth on all 7 days (during the 7 days before the survey)																
								78.7	69.6	70.0	75.5			No linear change	Not available	No change
QN59: Percentage of students who flossed their teeth on all 7 days (during the 7 days before the survey)																
								28.8	22.1	25.4	16.6			Decreased, 2011-2017	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

Kentucky Middle School Survey  
Trend Analysis Report

Hispanic  
Site-Added

Health Risk Behavior and Percentages													Linear Change*	Quadratic Change*	Change from 2015-2017 †	
1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017			
QN60: Percentage of students who do not have an adult in their life that they trust and can talk to about serious problems																
											14.7	18.2	19.5	No linear change	Not available <sup>§</sup>	No change
QN61: Percentage of students who reported their parents or other adults in their family most of the time or always ask where they are going or with whom they will be																
											70.6	74.5	67.9	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.