Rhode Island Middle School Survey
Trend Analysis Report

Total
Injury and Violence

														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**			
QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)																
								7.9	9.0	6.3	7.1	3.5	5.1	Decreased, 2007-2017	No quadratic change	No change
QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)																
								23.5	24.3	22.3	19.1	18.0	20.4	Decreased, 2007-2017	No quadratic change	No change
QN12: Percentage of students who were ever bullied on school property																
									35.1	38.8	40.1	38.0	33.4	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)																
										22.0	23.0	20.8	21.4	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.

Rhode Island Middle School Survey
Trend Analysis Report

Total
Injury and Violence

														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			
QN14: Percentage of students who ever seriously thought about killing themselves																
									16.0	17.9	18.7	17.2	18.0	No linear change	Not available[§]	No change
QN15: Percentage of students who ever made a plan about how they would kill themselves																
									9.5	10.8	12.6	10.8	11.6	No linear change	Not available	No change
QN16: Percentage of students who ever tried to kill themselves																
									5.9	6.3	8.5	6.2	6.5	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.

Rhode Island Middle School Survey
Trend Analysis Report

**Total
Tobacco 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			

QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)

| | | | | | | | | 16.2 | 17.0 | 16.5 | 13.9 | 7.2 | 5.1 | Decreased, 2007-2017 | No change, 2007-2013 Decreased, 2013-2017 | No change |

QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)

| | | | | | | | | 4.1 | 5.0 | 3.9 | 3.5 | 0.9 | 1.9 | Decreased, 2007-2017 | No quadratic change | No change |

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

| | | | | | | | | 1.1 | 1.2 | 1.1 | 0.6 | 0.1 | 0.3 | Decreased, 2007-2017 | No quadratic change | No change |

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

| | | | | | | | | 0.8 | 1.0 | 1.0 | 0.5 | 0.1 | 0.3 | Decreased, 2007-2017 | No quadratic change | No change |

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

Rhode Island 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])

												15.6	15.7	No linear change	Not available[§]	No change

QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey)

												7.6	6.4	No linear change	Not available	No change

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	4.8	4.3	5.9	1.1	2.2	Decreased, 2007-2017	No quadratic change	No change

[*]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.
[†]Based on t-test analysis, p < 0.05.
[§]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

Total
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)																
								27.8	26.0	23.2	21.7	16.4	20.8	Decreased, 2007-2017	No quadratic change	No change
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)																
								11.4	9.8	9.5	9.2	5.2	8.5	Decreased, 2007-2017	No quadratic change	Increased
QN28: Percentage of students who ever used marijuana																
								10.0	10.2	10.0	8.8	6.6	8.6	No linear change	No quadratic change	No change
QN29: Percentage of students who tried marijuana for the first time before age 11 years																
								3.7	3.7	3.0	2.6	1.4	2.4	Decreased, 2007-2017	No quadratic change	No change

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

Rhode Island Middle School Survey
Trend Analysis Report

**Total
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																
									14.6	12.4	9.8	6.7	8.1	Decreased, 2009-2017	Not available[§]	No change
QN35: Percentage of students who had sexual intercourse for the first time before age 11 years																
									4.5	3.7	3.2	1.9	2.2	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.

Rhode Island Middle School Survey
Trend Analysis Report

Total Physical Activity

														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			

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)

| | | | | | | | | 55.1 | 50.5 | 55.4 | 49.8 | 52.6 | 46.2 | Decreased, 2007-2017 | No quadratic change | No change |

QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)

| | | | | | | | | 10.3 | 13.1 | 10.1 | 12.1 | 11.3 | 17.8 | Increased, 2007-2017 | No change, 2007-2013 Increased, 2013-2017 | 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)

| | | | | | | | | 34.6 | 29.7 | 32.6 | 26.7 | 27.4 | 25.4 | Decreased, 2007-2017 | No quadratic change | No change |

QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)

| | | | | | | | | 34.6 | 35.9 | 32.5 | 30.7 | 29.5 | 21.8 | Decreased, 2007-2017 | No change, 2007-2013 Decreased, 2013-2017 | Decreased |

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

Rhode Island Middle School Survey
Trend Analysis Report

Total
Physical Activity

														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**			

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)

| | | | | | | | | 23.8 | 29.9 | 31.6 | 37.6 | 48.3 | 43.0 | Increased, 2007-2017 | Increased, 2007-2013 No change, 2013-2017 | 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)

| | | | | | | | | 92.0 | 91.0 | 88.2 | 88.3 | 92.8 | 85.6 | No linear change | No quadratic change | No change |

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

| | | | | | | | | 8.6 | 8.4 | 8.2 | 6.1 | 10.0 | 8.3 | No linear change | No quadratic change | No change |

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

Rhode Island 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				

QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
								68.5	66.1	69.7	71.9	72.9	72.1	Increased, 2007-2017	No quadratic change	No change

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

Rhode Island 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 have physical disabilities or long-term health problems (meaning 6 months or more)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
								7.8	8.0	8.1	7.3	6.2	6.9	Decreased, 2007-2017	No quadratic change	No change

QN51: Percentage of students who have long-term emotional problems or learning disabilities (meaning 6 months or more)

| | | | | | | | | 7.5 | 8.6 | 10.2 | 10.0 | 9.4 | 9.8 | Increased, 2007-2017 | Increased, 2007-2011 No change, 2011-2017 | No change |

QN56: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)

| | | | | | | | | | | | 73.1 | 72.7 | 79.3 | Increased, 2013-2017 | Not available[§] | No change |

QN57: Percentage of students who reported their teeth or mouth have been painful or sore (one or more times during the 12 months before the survey)

| | | | | | | | | | | | 44.3 | 45.3 | 54.0 | Increased, 2013-2017 | 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.

Rhode Island 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**			

QN58: Percentage of students who sometimes, most of the time, or always were self-conscious or embarrassed because of their teeth or mouth (during the 12 months before the survey)

| | | | | | | | | | | | 16.6 | 16.6 | 17.0 | No linear change | Not available[§] | No change |

QN59: Percentage of students who have been taught about AIDS or HIV infection in school

| | | | | | | | | 67.0 | 68.4 | 68.5 | 52.2 | 53.5 | 43.0 | Decreased, 2007-2017 | No quadratic change | No change |

QN60: Percentage of students who strongly agree or agree that they feel like they belong at their school

| | | | | | | | | | | | 71.1 | 73.0 | 65.9 | No linear change | Not available | Decreased |

QN61: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life

| | | | | | | | | | | | 75.3 | 80.7 | 81.7 | Increased, 2013-2017 | Not available | No change |

[*]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[†]Based on t-test analysis, $p < 0.05$.
[§]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

**Total
Site-Added**

															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				

QN62: Percentage of students who have had the HPV vaccine, a vaccine to prevent human papillomavirus or HPV infection (also called the cervical cancer vaccine, HPV shot, or GARDASIL)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
											25.2	25.5	38.0	Increased, 2013-2017	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.

Rhode Island 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				

QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear Change[*]	Quadratic Change[*]	Change from 2015-2017[†]
								9.8	9.3	7.0	7.6	3.9	5.4	Decreased, 2007-2017	No quadratic change	No change

QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)

| | | | | | | | | 24.2 | 23.4 | 22.0 | 18.2 | 15.8 | 19.8 | Decreased, 2007-2017 | No quadratic change | No change |

QN12: Percentage of students who were ever bullied on school property

| | | | | | | | | | 34.9 | 39.0 | 35.7 | 31.9 | 27.4 | Decreased, 2009-2017 | Not available[§] | No change |

QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)

| | | | | | | | | | | 14.9 | 16.1 | 12.3 | 12.6 | No linear change | Not available | No change |

QN14: Percentage of students who ever seriously thought about killing themselves

| | | | | | | | | | 11.2 | 14.7 | 13.9 | 8.8 | 9.9 | No linear change | Not available | No change |

[*]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.
[†]Based on t-test analysis, p < 0.05.
[§]Not enough years of data to calculate.

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Rhode Island 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			
QN15: Percentage of students who ever made a plan about how they would kill themselves																
									7.0	9.7	10.0	5.5	7.1	No linear change	Not available[§]	No change
QN16: Percentage of students who ever tried to kill themselves																
									3.9	5.1	6.7	2.9	3.7	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.

Rhode Island Middle School Survey
Trend Analysis Report

Male
Tobacco 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			

QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)

| | | | | | | | | 17.0 | 17.2 | 18.5 | 15.2 | 6.6 | 4.3 | Decreased, 2007-2017 | No change, 2007-2013 Decreased, 2013-2017 | No change |

QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)

| | | | | | | | | 4.4 | 4.4 | 4.1 | 4.3 | 0.4 | 1.9 | Decreased, 2007-2017 | No quadratic change | Increased |

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

| | | | | | | | | 1.3 | 1.2 | 1.7 | 0.8 | 0.1 | 0.2 | Decreased, 2007-2017 | No quadratic change | No change |

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

| | | | | | | | | 0.9 | 1.1 | 1.6 | 0.6 | 0.1 | 0.1 | Decreased, 2007-2017 | No quadratic change | No change |

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

Rhode Island 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])

| | | | | | | | | | | | | 17.2 | 16.3 | No linear change | Not available[§] | No change |

QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey)

| | | | | | | | | | | | | 8.2 | 6.9 | No linear change | Not available | No change |

QN25: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)

| | | | | | | | 7.0 | 5.4 | 5.6 | 7.3 | 0.9 | 3.2 | Decreased, 2007-2017 | No quadratic change | Increased |

*Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.
[†]Based on t-test analysis, p < 0.05.
[§]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

Male
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)																	
								29.0	26.9	24.3	23.7	14.3	21.5		Decreased, 2007-2017	No quadratic change	Increased
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)																	
								12.1	11.5	10.9	10.2	4.9	10.5		Decreased, 2007-2017	No quadratic change	Increased
QN28: Percentage of students who ever used marijuana																	
								11.7	11.3	11.2	9.7	6.5	8.7		No linear change	No quadratic change	No change
QN29: Percentage of students who tried marijuana for the first time before age 11 years																	
								4.9	3.9	3.7	3.2	1.3	3.2		Decreased, 2007-2017	No quadratic change	Increased

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

Rhode Island 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																
									17.8	16.5	12.2	8.7	11.1	Decreased, 2009-2017	Not available[§]	No change
QN35: Percentage of students who had sexual intercourse for the first time before age 11 years																
									5.5	5.3	3.9	2.4	3.1	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.

Rhode Island Middle School Survey
Trend Analysis Report

Male
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)

2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
62.6	58.6	62.9	55.8	59.2	54.3	No linear change	No quadratic change	No change

QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)

2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
9.1	12.1	9.5	12.4	9.2	16.8	No linear change	No change, 2007-2013 Increased, 2013-2017	Increased

QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)

2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
43.1	37.5	41.4	33.1	34.9	32.0	Decreased, 2007-2017	No quadratic change	No change

QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)

2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
35.0	37.2	31.8	30.1	28.8	21.8	Decreased, 2007-2017	Decreased, 2007-2013 Decreased, 2013-2017	Decreased

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

Rhode Island Middle School Survey
Trend Analysis Report

Male
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)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
								26.2	32.8	34.4	38.8	46.3	42.2	Increased, 2007-2017	Increased, 2007-2013 No change, 2013-2017	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)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
								91.4	91.2	87.1	88.6	93.0	85.5	No linear change	No quadratic change	No change

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

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
								9.2	8.7	8.3	6.8	11.3	9.8	No linear change	No quadratic change	No change

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

Rhode Island 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**				

QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)

															Linear Change	Quadratic Change	Change from 2015-2017
								63.1	61.8	65.1	65.3	69.6	66.7		Increased, 2007-2017	No quadratic change	No change

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

Rhode Island Middle School Survey
Trend Analysis Report

Male
Site-Added

														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**			

QN50: Percentage of students who have physical disabilities or long-term health problems (meaning 6 months or more)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change 2015-2017
								8.1	7.5	7.3	8.1	6.2	5.9	Decreased, 2007-2017	No quadratic change	No change

QN51: Percentage of students who have long-term emotional problems or learning disabilities (meaning 6 months or more)

| | | | | | | | | 7.2 | 7.8 | 10.8 | 9.8 | 6.9 | 8.9 | No linear change | No quadratic change | No change |

QN56: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)

| | | | | | | | | | | | 74.3 | 72.8 | 77.2 | No linear change | Not available[§] | No change |

QN57: Percentage of students who reported their teeth or mouth have been painful or sore (one or more times during the 12 months before the survey)

| | | | | | | | | | | | 41.2 | 40.5 | 50.0 | Increased, 2013-2017 | 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.

Rhode Island 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				
QN58: Percentage of students who sometimes, most of the time, or always were self-conscious or embarrassed because of their teeth or mouth (during the 12 months before the survey)																	
											12.3	10.6	12.2		No linear change	Not available[§]	No change
QN59: Percentage of students who have been taught about AIDS or HIV infection in school																	
									68.5	68.6	70.0	54.2	55.0	45.4	Decreased, 2007-2017	No quadratic change	No change
QN60: Percentage of students who strongly agree or agree that they feel like they belong at their school																	
											74.2	79.5	72.6		No linear change	Not available	Decreased
QN61: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life																	
											71.9	79.4	80.9		Increased, 2013-2017	Not available	No change

[*]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[†]Based on t-test analysis, $p < 0.05$.
[§]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

Male
Site-Added

														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**			

QN62: Percentage of students who have had the HPV vaccine, a vaccine to prevent human papillomavirus or HPV infection (also called the cervical cancer vaccine, HPV shot, or GARDASIL)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change 2015-2017
											21.5	22.9	33.9	Increased, 2013-2017	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.

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Rhode Island 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			

QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)

| | | | | | | | | 5.7 | 8.7 | 5.4 | 6.5 | 3.2 | 4.4 | Decreased, 2007-2017 | No quadratic change | No change |

QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)

| | | | | | | | | 22.7 | 25.2 | 22.6 | 20.1 | 20.4 | 21.1 | No linear change | No quadratic change | No change |

QN12: Percentage of students who were ever bullied on school property

| | | | | | | | | | 35.2 | 38.6 | 44.6 | 44.6 | 39.8 | 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)

| | | | | | | | | | | 29.6 | 30.2 | 30.2 | 30.8 | No linear change | Not available | No change |

QN14: Percentage of students who ever seriously thought about killing themselves

| | | | | | | | | | | 21.2 | 21.3 | 23.9 | 26.2 | 26.7 | 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.

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Rhode Island Middle School Survey
Trend Analysis Report

Female
Injury and Violence

														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			
QN15: Percentage of students who ever made a plan about how they would kill themselves																
									12.1	12.0	15.2	16.6	16.2	Increased, 2009-2017	Not available[§]	No change
QN16: Percentage of students who ever tried to kill themselves																
									8.1	7.5	10.4	9.7	9.6	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.

Rhode Island 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)

| | | | | | | | | 15.3 | 16.8 | 14.5 | 12.5 | 8.0 | 5.9 | Decreased, 2007-2017 | No change, 2007-2011 Decreased, 2011-2017 | No change |

QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)

| | | | | | | | | 3.6 | 5.7 | 3.6 | 2.4 | 1.4 | 1.7 | Decreased, 2007-2017 | No quadratic change | No change |

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

| | | | | | | | | 0.8 | 1.2 | 0.6 | 0.3 | 0.1 | 0.4 | Decreased, 2007-2017 | No quadratic change | No change |

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

| | | | | | | | | 0.5 | 0.9 | 0.5 | 0.3 | 0.1 | 0.4 | No linear change | No quadratic change | No change |

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

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Rhode Island 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])

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear	Quadratic	Change 2015-2017
												14.1	15.3	No linear change	Not available[§]	No change

QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey)

| | | | | | | | | | | | | 7.0 | 6.0 | No linear change | Not available | No change |

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)

| | | | | | | | 3.5 | 3.9 | 2.9 | 4.2 | 1.4 | 1.2 | | Decreased, 2007-2017 | No quadratic change | No change |

[*]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.
[†]Based on t-test analysis, p < 0.05.
[§]Not enough years of data to calculate.

Rhode Island 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)

								2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
								26.5	25.0	22.1	19.6	18.7	20.0	Decreased, 2007-2017	No quadratic change	No change

QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)

10.4	8.0	7.9	8.4	5.6	6.5	Decreased, 2007-2017	No quadratic change	No change

QN28: Percentage of students who ever used marijuana

8.0	9.0	8.6	7.9	6.8	8.5	No linear change	No quadratic change	No change

QN29: Percentage of students who tried marijuana for the first time before age 11 years

2.1	3.5	2.2	1.8	1.4	1.5	Decreased, 2007-2017	No quadratic change	No change

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

Rhode Island Middle School Survey
Trend Analysis Report

Female
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																
									11.0	8.2	7.1	4.6	4.8	Decreased, 2009-2017	Not available[§]	No change
QN35: Percentage of students who had sexual intercourse for the first time before age 11 years																
									3.4	2.0	2.2	1.4	1.0	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.

Rhode Island 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)

| | | | | | | | | 47.3 | 41.7 | 47.5 | 43.7 | 45.9 | 37.6 | Decreased, 2007-2017 | No quadratic change | Decreased |

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)

| | | | | | | | | 11.2 | 14.0 | 10.7 | 11.9 | 13.0 | 18.9 | Increased, 2007-2017 | No change, 2007-2013 / Increased, 2013-2017 | 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)

| | | | | | | | | 25.7 | 21.3 | 23.3 | 20.2 | 19.6 | 18.5 | Decreased, 2007-2017 | No quadratic change | No change |

QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)

| | | | | | | | | 34.3 | 34.5 | 33.3 | 31.4 | 30.2 | 21.9 | Decreased, 2007-2017 | No change, 2007-2013 / Decreased, 2013-2017 | Decreased |

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

Rhode Island Middle School Survey
Trend Analysis Report

Female
Physical Activity

Health Risk Behavior and Percentages

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear Change[*]	Quadratic Change[*]	Change from 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)

| | | | | | | | | 21.2 | 26.8 | 28.6 | 36.6 | 50.2 | 43.8 | Increased, 2007-2017 | No quadratic change | No change |

QN44: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)

| | | | | | | | | 92.8 | 90.7 | 89.4 | 88.1 | 92.5 | 86.0 | No linear change | No quadratic change | No change |

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

| | | | | | | | | 8.0 | 8.1 | 8.2 | 5.4 | 8.7 | 6.8 | No linear change | No quadratic change | No change |

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

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Rhode Island 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**			

QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)

| | | | | | | | | 74.7 | 71.0 | 74.7 | 79.0 | 76.8 | 77.8 | Increased, 2007-2017 | No quadratic change | No change |

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

Rhode Island Middle School Survey
Trend Analysis Report

Female
Site-Added

															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				

QN50: Percentage of students who have physical disabilities or long-term health problems (meaning 6 months or more)

2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
7.2	8.7	9.0	6.4	6.2	8.0	No linear change	No quadratic change	No change

QN51: Percentage of students who have long-term emotional problems or learning disabilities (meaning 6 months or more)

2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
7.6	9.5	9.5	10.3	11.8	10.8	Increased, 2007-2017	No quadratic change	No change

QN56: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)

2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
72.1	72.5	82.2	Increased, 2013-2017	Not available[§]	Increased

QN57: Percentage of students who reported their teeth or mouth have been painful or sore (one or more times during the 12 months before the survey)

2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
47.5	50.4	58.4	Increased, 2013-2017	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.

Rhode Island 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			

QN58: Percentage of students who sometimes, most of the time, or always were self-conscious or embarrassed because of their teeth or mouth (during the 12 months before the survey)

| | | | | | | | | | | | 21.1 | 22.7 | 22.3 | No linear change | Not available[§] | No change |

QN59: Percentage of students who have been taught about AIDS or HIV infection in school

| | | | | | | | | 65.7 | 68.3 | 66.8 | 50.1 | 52.0 | 40.9 | Decreased, 2007-2017 | No quadratic change | No change |

QN60: Percentage of students who strongly agree or agree that they feel like they belong at their school

| | | | | | | | | | | | 67.9 | 66.1 | 59.2 | Decreased, 2013-2017 | Not available | No change |

QN61: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life

| | | | | | | | | | | | 79.0 | 82.0 | 82.9 | 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.

Rhode Island 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**				

QN62: Percentage of students who have had the HPV vaccine, a vaccine to prevent human papillomavirus or HPV infection (also called the cervical cancer vaccine, HPV shot, or GARDASIL)

															Linear Change	Quadratic Change	Change from 2015-2017
											29.1	28.3	42.5		Increased, 2013-2017	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.

Rhode Island 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			

QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)

								4.6	6.1	4.3	3.3	1.6	1.5	Decreased, 2007-2017	No change, 2007-2011 Decreased, 2011-2017	No change

QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)

								21.9	22.8	20.6	17.5	16.7	20.0	Decreased, 2007-2017	No quadratic change	No change

QN12: Percentage of students who were ever bullied on school property

									38.0	41.0	40.8	39.6	35.5	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)

										24.2	23.5	23.1	24.6	No linear change	Not available	No change

QN14: Percentage of students who ever seriously thought about killing themselves

										13.3	16.2	13.1	15.1	16.2	No linear change	Not available	No change

[*]Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.
[§]Based on t-test analysis, p < 0.05.
[¶]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

White*
Injury and Violence

														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			

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

									2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
									8.4	9.3	7.7	9.1	10.3	No linear change	Not available[¶]	No change

QN16: Percentage of students who ever tried to kill themselves

									2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
									4.0	4.4	4.5	4.8	3.7	No linear change	Not available	No change

[*]Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[§]Based on t-test analysis, $p < 0.05$.
[¶]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

White*
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)																	
								14.2	13.7	13.6	9.1	6.6	3.8		Decreased, 2007-2017	No change, 2007-2011 Decreased, 2011-2017	No change
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)																	
								3.7	4.4	3.6	2.2	0.8	1.2		Decreased, 2007-2017	No quadratic change	No change
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)																	
								0.9	0.8	0.8	0.7	0.0	0.1		Not available	Not available¶	Not available
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)																	
								0.5	0.6	0.7	0.4	0.0	0.1		Not available	Not available	Not available

*Non-Hispanic.
†Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.
§Based on t-test analysis, p < 0.05.
¶Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

White*
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])

												10.8	10.5	No linear change	Not available[¶]	No change

QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey)

												5.6	4.6	No linear change	Not available	No change

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)

							5.0	4.1	3.8	3.3	0.8	1.1	Decreased, 2007-2017	No quadratic change	No change

[*]Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.
[§]Based on t-test analysis, p < 0.05.
[¶]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

White*
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)

								2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
								23.2	20.2	17.0	16.1	13.7	14.0	Decreased, 2007-2017	No quadratic change	No change

QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)

								2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
								8.9	7.2	6.7	5.8	3.0	5.5	Decreased, 2007-2017	No quadratic change	Increased

QN28: Percentage of students who ever used marijuana

								2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
								8.9	8.3	7.8	6.1	4.9	4.2	Decreased, 2007-2017	No quadratic change	No change

QN29: Percentage of students who tried marijuana for the first time before age 11 years

								2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
								2.9	2.6	1.9	1.5	1.3	1.0	Decreased, 2007-2017	No quadratic change	No change

*Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[§]Based on t-test analysis, $p < 0.05$.

Rhode Island Middle School Survey
Trend Analysis Report

White*
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

									2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
									11.3	8.7	5.9	4.5	4.6	Decreased, 2009-2017	Not available[¶]	No change

QN35: Percentage of students who had sexual intercourse for the first time before age 11 years

									2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
									3.6	1.9	1.3	1.0	1.0	Decreased, 2009-2017	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.

Rhode Island Middle School Survey
Trend Analysis Report

White*
Physical Activity

															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**				

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)

| | | | | | | | | 60.3 | 54.0 | 61.0 | 56.0 | 58.6 | 53.3 | No linear change | No quadratic change | No change |

QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)

| | | | | | | | | 5.0 | 9.6 | 5.8 | 6.2 | 7.1 | 10.1 | No linear change | No quadratic change | No change |

QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)

| | | | | | | | | 37.5 | 30.5 | 35.5 | 29.0 | 29.4 | 27.2 | Decreased, 2007-2017 | No quadratic change | No change |

QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)

| | | | | | | | | 29.6 | 29.5 | 26.2 | 27.2 | 24.0 | 17.4 | Decreased, 2007-2017 | No change, 2007-2013
 Decreased, 2013-2017 | Decreased |

[*]Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.
[§]Based on t-test analysis, p < 0.05.

Rhode Island Middle School Survey
Trend Analysis Report

White*
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)																
								22.3	26.4	26.1	36.0	45.4	39.8	Increased, 2007-2017	No quadratic change	No change
QN44: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school)																
								94.3	93.1	89.2	93.9	93.1	88.8	No linear change	No quadratic change	No change
QNDLYPE: Percentage of students who attended physical education (PE) classes on all 5 days (in an average week when they were in school)																
								5.3	7.3	4.5	4.1	4.6	3.8	No linear change	No quadratic change	No change

*Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[§]Based on t-test analysis, $p < 0.05$.

Rhode Island Middle School Survey
Trend Analysis Report

White*
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

QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)

| | | | | | | | | 73.8 | 72.4 | 75.3 | 77.7 | 77.7 | 79.4 | Increased, 2007-2017 | No quadratic change | No change |

*Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[§]Based on t-test analysis, $p < 0.05$.

Rhode Island Middle School Survey
Trend Analysis Report

White*
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 have physical disabilities or long-term health problems (meaning 6 months or more)

| | | | | | | | | 7.6 | 8.4 | 7.2 | 6.5 | 5.2 | 6.5 | Decreased, 2007-2017 | No quadratic change | No change |

QN51: Percentage of students who have long-term emotional problems or learning disabilities (meaning 6 months or more)

| | | | | | | | | 7.4 | 8.8 | 9.6 | 8.6 | 9.7 | 9.3 | No linear change | No quadratic change | No change |

QN56: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)

| | | | | | | | | | | 79.9 | 80.5 | 86.1 | Increased, 2013-2017 | Not available[¶] | Increased |

QN57: Percentage of students who reported their teeth or mouth have been painful or sore (one or more times during the 12 months before the survey)

| | | | | | | | | | | 46.3 | 46.1 | 56.6 | Increased, 2013-2017 | Not available | Increased |

*Non-Hispanic.
†Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
§Based on t-test analysis, $p < 0.05$.
¶Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

White*
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**				

QN58: Percentage of students who sometimes, most of the time, or always were self-conscious or embarrassed because of their teeth or mouth (during the 12 months before the survey)

| | | | | | | | | | | | 16.2 | 16.7 | 18.9 | No linear change | Not available¶ | No change |

QN59: Percentage of students who have been taught about AIDS or HIV infection in school

| | | | | | | | | 67.7 | 67.9 | 72.3 | 49.4 | 56.5 | 44.1 | Decreased, 2007-2017 | No quadratic change | No change |

QN60: Percentage of students who strongly agree or agree that they feel like they belong at their school

| | | | | | | | | | | | 76.0 | 77.1 | 71.0 | No linear change | Not available | Decreased |

QN61: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life

| | | | | | | | | | | | 78.6 | 83.2 | 83.0 | Increased, 2013-2017 | 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.

Rhode Island Middle School Survey

Trend Analysis Report

White*
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				

QN62: Percentage of students who have had the HPV vaccine, a vaccine to prevent human papillomavirus or HPV infection (also called the cervical cancer vaccine, HPV shot, or GARDASIL)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
											24.1	27.2	42.9	Increased, 2013-2017	Not available[¶]	Increased

*Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[§]Based on t-test analysis, $p < 0.05$.
[¶]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

Black*
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)

| | | | | | | | | 13.2 | 11.8 | 5.7 | 11.1 | 6.0 | 8.3 | No linear change | No quadratic change | No change |

QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)

| | | | | | | | | 20.7 | 21.0 | 21.8 | 21.6 | 17.4 | 23.6 | No linear change | No quadratic change | No change |

QN12: Percentage of students who were ever bullied on school property

| | | | | | | | | | 27.7 | 31.0 | 38.2 | 34.2 | 31.8 | 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)

| | | | | | | | | | | 15.4 | 20.9 | 15.2 | 17.3 | No linear change | Not available | No change |

QN14: Percentage of students who ever seriously thought about killing themselves

| | | | | | | | | | 22.8 | 20.8 | 24.6 | 18.6 | 20.5 | No linear change | Not available | No change |

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[*]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.

Rhode Island Middle School Survey
Trend Analysis Report

Black*
Injury and Violence

														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			
QN15: Percentage of students who ever made a plan about how they would kill themselves																
									11.3	13.7	21.0	11.0	11.1	No linear change	Not available[¶]	No change
QN16: Percentage of students who ever tried to kill themselves																
									11.0	7.9	12.8	8.1	9.7	No linear change	Not available	No change

[*]Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.
[§]Based on t-test analysis, p < 0.05.
[¶]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

Black*
Tobacco 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			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)																
								13.6	23.4	21.0	29.3	9.3	4.1	Decreased, 2007-2017	Increased, 2007-2013 Decreased, 2013-2017	No change
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)																
								1.5	3.8	1.5	6.9	0.2	1.6	No linear change	No quadratic change	No change
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)																
								0.6	1.6	0.4	0.6	0.0	1.6	Not available	Not available[¶]	Not available
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)																
								0.6	1.6	0.4	0.6	0.0	0.9	Not available	Not available	Not available

[*]Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[§]Based on t-test analysis, $p < 0.05$.
[¶]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

Black*
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])

												2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
												21.3	26.5	No linear change	Not available[¶]	No change

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)

2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
4.7	4.8	3.2	7.6	0.9	3.0	No linear change	No quadratic change	No change

[*]Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[§]Based on t-test analysis, $p < 0.05$.
[¶]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

Black*
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)

| | | | | | | | | 41.1 | 38.8 | 51.6 | 48.9 | 52.4 | 36.2 | No linear change | No change, 2007-2013 Decreased, 2013-2017 | Decreased |

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)

| | | | | | | | | 27.0 | 21.4 | 19.1 | 20.2 | 13.0 | 35.3 | No linear change | No change, 2007-2013 Increased, 2013-2017 | Increased |

QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)

| | | | | | | | | 27.2 | 27.3 | 33.0 | 29.9 | 31.7 | 26.0 | No linear change | No quadratic change | No change |

QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)

| | | | | | | | | 49.6 | 53.9 | 51.4 | 43.2 | 46.6 | 36.5 | Decreased, 2007-2017 | No quadratic change | No change |

*Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[§]Based on t-test analysis, $p < 0.05$.

Rhode Island Middle School Survey
Trend Analysis Report

Black*
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)

| | | | | | | | | 22.7 | 38.3 | 47.2 | 36.8 | 59.8 | 51.0 | Increased, 2007-2017 | Increased, 2007-2011 No change, 2011-2017 | 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)

| | | | | | | | | 85.9 | 84.4 | 82.5 | 77.5 | 94.8 | 75.1 | No linear change | No quadratic change | Decreased |

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

| | | | | | | | | 17.6 | 11.9 | 21.5 | 15.6 | 21.3 | 22.3 | No linear change | No quadratic change | No change |

[*]Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[§]Based on t-test analysis, $p < 0.05$.

Rhode Island Middle School Survey
Trend Analysis Report

Black*
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 have physical disabilities or long-term health problems (meaning 6 months or more)

															Linear Change	Quadratic Change	Change from 2015-2017
								9.1	6.4	7.0	9.1	5.9	4.9		No linear change	No quadratic change	No change

QN51: Percentage of students who have long-term emotional problems or learning disabilities (meaning 6 months or more)

															Linear Change	Quadratic Change	Change from 2015-2017
								5.3	3.9	7.9	11.3	7.8	6.5		No linear change	No quadratic change	No change

QN56: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)

															Linear Change	Quadratic Change	Change from 2015-2017
											59.8	64.1	71.7		Increased, 2013-2017	Not available[¶]	No change

QN57: Percentage of students who reported their teeth or mouth have been painful or sore (one or more times during the 12 months before the survey)

															Linear Change	Quadratic Change	Change from 2015-2017
											39.1	42.0	53.7		Increased, 2013-2017	Not available	Increased

[*]Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[§]Based on t-test analysis, $p < 0.05$.
[¶]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

Black*
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**			

QN58: Percentage of students who sometimes, most of the time, or always were self-conscious or embarrassed because of their teeth or mouth (during the 12 months before the survey)

											18.9	16.8	17.8	No linear change	Not available[¶]	No change

QN59: Percentage of students who have been taught about AIDS or HIV infection in school

								64.5	72.8	65.7	59.6	45.2	37.5	Decreased, 2007-2017	No change, 2007-2011 Decreased, 2011-2017	No change

QN60: Percentage of students who strongly agree or agree that they feel like they belong at their school

											59.5	66.0	53.0	No linear change	Not available	No change

QN61: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life

											71.3	75.0	89.4	Increased, 2013-2017	Not available	Increased

*Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[§]Based on t-test analysis, $p < 0.05$.
[¶]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

Black*
Site-Added

														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			

QN62: Percentage of students who have had the HPV vaccine, a vaccine to prevent human papillomavirus or HPV infection (also called the cervical cancer vaccine, HPV shot, or GARDASIL)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change from 2015-2017
											31.1	23.3	28.0	No linear change	Not available[¶]	No change

*Non-Hispanic.
[†]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.
[§]Based on t-test analysis, p < 0.05.
[¶]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

Hispanic
Injury and Violence

														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			

QN8: Percentage of students who rarely or never wore a seat belt (when riding in a car)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear	Quadratic	Change
								15.5	16.2	12.5	15.4	6.8	11.9	Decreased, 2007-2017	No quadratic change	No change

QN9: Percentage of students who ever rode with a driver who had been drinking alcohol (in a car)

| | | | | | | | | 31.2 | 32.0 | 27.5 | 23.3 | 23.9 | 20.9 | Decreased, 2007-2017 | No quadratic change | No change |

QN12: Percentage of students who were ever bullied on school property

| | | | | | | | | | 29.0 | 33.6 | 37.9 | 34.5 | 31.3 | 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)

| | | | | | | | | | | 18.1 | 22.3 | 16.1 | 14.8 | No linear change | Not available | No change |

QN14: Percentage of students who ever seriously thought about killing themselves

| | | | | | | | | | 21.4 | 21.3 | 29.9 | 19.0 | 21.7 | 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.

Rhode Island Middle School Survey
Trend Analysis Report

Hispanic
Injury and Violence

														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			

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

| | | | | | | | | | 11.7 | 14.0 | 21.8 | 13.4 | 15.4 | Increased, 2009-2017 | Not available[§] | No change |

QN16: Percentage of students who ever tried to kill themselves

| | | | | | | | | | 10.5 | 11.1 | 17.0 | 8.3 | 11.3 | No linear change | Not available | No change |

[*]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.
[†]Based on t-test analysis, p < 0.05.
[§]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

Hispanic
Tobacco 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			

QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)

| | | | | | | | | 24.2 | 25.8 | 23.8 | 24.1 | 7.4 | 8.3 | Decreased, 2007-2017 | No change, 2007-2013 / Decreased, 2013-2017 | No change |

QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)

| | | | | | | | | 6.3 | 7.8 | 5.7 | 5.9 | 1.0 | 3.7 | Decreased, 2007-2017 | No quadratic change | No change |

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

| | | | | | | | | 1.6 | 2.3 | 2.7 | 0.2 | 0.2 | 0.5 | Decreased, 2007-2017 | No quadratic change | No change |

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

| | | | | | | | | 1.4 | 1.9 | 2.6 | 0.2 | 0.2 | 0.5 | Decreased, 2007-2017 | No quadratic change | No change |

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

Rhode Island 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])

| | | | | | | | | | | | | 23.7 | 24.0 | No linear change | Not available[§] | No change |

QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey)

| | | | | | | | | | | | | 11.9 | 11.3 | No linear change | Not available | No change |

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)

| | | | | | | | 6.3 | 6.8 | 6.6 | 12.3 | 1.6 | 4.9 | No linear change | No quadratic change | Increased |

[*]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$.
[†]Based on t-test analysis, $p < 0.05$.
[§]Not enough years of data to calculate.

Rhode Island Middle School Survey
Trend Analysis Report

Hispanic
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)																
								43.0	41.8	40.9	36.3	21.1	35.5	Decreased, 2007-2017	No quadratic change	Increased
QN27: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)																
								17.0	18.0	17.4	18.2	9.1	13.9	Decreased, 2007-2017	No quadratic change	Increased
QN28: Percentage of students who ever used marijuana																
								14.0	16.0	14.0	13.8	8.0	17.0	No linear change	No quadratic change	No change
QN29: Percentage of students who tried marijuana for the first time before age 11 years																
								5.9	6.2	5.7	3.8	1.4	5.4	No linear change	No quadratic change	Increased

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

Rhode Island Middle School Survey
Trend Analysis Report

Hispanic
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																	
									22.2	20.4	15.2	9.9	15.2		No linear change	Not available§	No change
QN35: Percentage of students who had sexual intercourse for the first time before age 11 years																	
									7.0	7.0	5.2	3.7	3.8		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.

Rhode Island Middle School Survey
Trend Analysis Report

Hispanic
Physical Activity

														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**			

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)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear	Quadratic	Change 2015-2017
								43.6	43.6	38.8	34.7	41.9	35.0	Decreased, 2007-2017	No quadratic change	No change

QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear	Quadratic	Change 2015-2017
								20.8	19.8	19.4	23.2	19.9	30.6	Increased, 2007-2017	No change, 2007-2013 Increased, 2013-2017	Increased

QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear	Quadratic	Change 2015-2017
								29.3	27.6	23.6	20.6	22.9	21.6	Decreased, 2007-2017	No quadratic change	No change

QN42: Percentage of students who watched television 3 or more hours per day (on an average school day)

1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	Linear	Quadratic	Change 2015-2017
								46.1	48.6	45.1	37.0	35.9	28.5	Decreased, 2007-2017	No change, 2007-2011 Decreased, 2011-2017	No change

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

Rhode Island 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)

2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change 2015-2017
28.7	37.7	42.1	42.0	51.2	46.1	Increased, 2007-2017	Increased, 2007-2013 No change, 2013-2017	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)

2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change 2015-2017
87.0	86.3	86.4	76.9	92.5	81.9	No linear change	No quadratic change	Decreased

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

2007	2009	2011	2013	2015	2017	Linear Change	Quadratic Change	Change 2015-2017
16.2	11.2	15.3	7.4	18.7	14.2	No linear change	No quadratic change	No change

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

Rhode Island Middle School Survey
Trend Analysis Report

Hispanic
Other

														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			

QN49: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)

| | | | | | | | | 54.4 | 53.6 | 57.4 | 59.9 | 66.3 | 63.7 | Increased, 2007-2017 | No quadratic change | No change |

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

Rhode Island 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 have physical disabilities or long-term health problems (meaning 6 months or more)

| | | | | | | | | 8.7 | 7.2 | 9.8 | 7.5 | 7.3 | 8.6 | No linear change | No quadratic change | No change |

QN51: Percentage of students who have long-term emotional problems or learning disabilities (meaning 6 months or more)

| | | | | | | | | 8.3 | 10.3 | 10.8 | 12.9 | 8.2 | 11.7 | No linear change | No quadratic change | No change |

QN56: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)

| | | | | | | | | | | | 63.8 | 60.8 | 66.0 | No linear change | Not available§ | No change |

QN57: Percentage of students who reported their teeth or mouth have been painful or sore (one or more times during the 12 months before the survey)

| | | | | | | | | | | | 40.4 | 41.8 | 49.7 | Increased, 2013-2017 | 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.

Rhode Island 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**			

QN58: Percentage of students who sometimes, most of the time, or always were self-conscious or embarrassed because of their teeth or mouth (during the 12 months before the survey)

| | | | | | | | | | | | 18.7 | 17.0 | 14.6 | Decreased, 2013-2017 | Not available§ | No change |

QN59: Percentage of students who have been taught about AIDS or HIV infection in school

| | | | | | | | | 65.3 | 70.0 | 58.9 | 59.1 | 50.1 | 45.5 | Decreased, 2007-2017 | No quadratic change | No change |

QN60: Percentage of students who strongly agree or agree that they feel like they belong at their school

| | | | | | | | | | | | 62.5 | 68.8 | 60.4 | No linear change | Not available | Decreased |

QN61: Percentage of students who would feel comfortable seeking help from one or more adults besides their parents if they had an important question affecting their life

| | | | | | | | | | | | 68.4 | 77.9 | 77.6 | 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.

Rhode Island 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				

QN62: Percentage of students who have had the HPV vaccine, a vaccine to prevent human papillomavirus or HPV infection (also called the cervical cancer vaccine, HPV shot, or GARDASIL)

											2013	2015	2017		Linear Change	Quadratic Change	Change from 2015-2017
											26.4	24.8	30.9		Increased, 2013-2017	Not available[§]	No change

[*]Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.
[†]Based on t-test analysis, p < 0.05.
[§]Not enough years of data to calculate.