Rhode Island Middle School Survey
10-year Trend Analysis Report

Total
Injury and Violence

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN8: Percentage of students who did not always wear a seat belt (when riding in a car driven by someone else)

| 37.8 | 30.9 | 31.1 | 33.4 | 32.4 | 30.6 | Decreased, 2011-2021 | No quadratic change | No change |

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

| 38.8 | 40.1 | 38.0 | 33.4 | 31.9 | 32.9 | Decreased, 2011-2021 | No quadratic change | 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 | 20.4 | 29.1 | Increased, 2011-2021 | No change, 2011-2017 Increased, 2017-2021 | Increased |

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Total
Injury and Violence

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN14: Percentage of students who ever seriously thought about killing themselves								
17.9	18.7	17.2	18.0	16.9	23.2	Increased, 2011-2021	No change, 2011-2017 Increased, 2017-2021	Increased
QN15: Percentage of students who ever made a plan about how they would kill themselves								
10.8	12.6	10.8	11.6	11.3	16.8	Increased, 2011-2021	No change, 2011-2017 Increased, 2017-2021	Increased
QN16: Percentage of students who ever tried to kill themselves								
6.3	8.5	6.2	6.5	6.1	9.4	Increased, 2011-2021	No change, 2011-2017 Increased, 2017-2021	Increased

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

**Total
Tobacco Use**

	Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

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

| 16.5 | 13.9 | 7.2 | 5.1 | 5.3 | 4.7 | Decreased, 2011-2021 | Decreased, 2011-2017 No change, 2017-2021 | No change |

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

| 3.9 | 3.5 | 0.9 | 1.9 | 1.6 | 0.9 | Decreased, 2011-2021 | 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 | 0.6 | 0.1 | 0.3 | 0.2 | 0.4 | Decreased, 2011-2021 | Decreased, 2011-2015 No change, 2015-2021 | No change |

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

| 1.0 | 0.5 | 0.1 | 0.3 | 0.2 | 0.3 | Decreased, 2011-2021 | Decreased, 2011-2015 No change, 2015-2021 | No change |

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

**Total
Tobacco Use**

	Health Risk Behavior and Percentages					**Linear Change**[*]	**Quadratic Change**[*]	**Change from 2019-2021** [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN21: Percentage of students who ever used an electronic vapor product								
		15.6	15.7	16.4	11.3	Decreased, 2015-2021	Not available[§]	Decreased
QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey)								
		7.6	6.4	6.5	5.6	Decreased, 2015-2021	Not available	No change
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)								
		0.8	1.4	0.8	1.0	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
10-year Trend Analysis Report

**Total
Tobacco Use**

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)

| | | 0.5 | 0.9 | 0.5 | 0.9 | No linear change | Not available[§] | No change |

QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey)

| | | 7.5 | 7.1 | 6.6 | 5.4 | Decreased, 2015-2021 | Not available | No change |

QN23: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)

| | | | 2.0 | 1.5 | 0.7 | Decreased, 2017-2021 | Not available | Decreased |

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

**Total
Tobacco Use**

Health Risk Behavior and Percentages						**Linear Change**[*]	**Quadratic Change**[*]	**Change from 2019-2021** [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey)								
			0.6	0.5	0.3	No linear change	Not available[§]	No change
QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey)								
			0.4	0.5	0.3	No linear change	Not available	No change
QN24: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)								
4.3	5.9	1.1	2.2	1.2	0.9	Decreased, 2011-2021	No quadratic change	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

**Total
Tobacco Use**

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			
QNTB4: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products (on at least 1 day during the 30 days before the survey)								
			7.5	6.7	5.5	Decreased, 2017-2021	Not available[§]	No change
QNTB3: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco (on at least 1 day during the 30 days before the survey)								
			3.5	2.6	1.3	Decreased, 2017-2021	Not available	Decreased
QNFRCGR: Percentage of students who currently smoked cigars frequently (cigars, cigarillos, or little cigars, on 20 or more days during the 30 days before the survey)								
0.6	0.4	0.1	0.6	0.6	0.4	No linear change	No quadratic change	No change
QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey)								
0.6	0.4	0.1	0.4	0.5	0.3	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, $p < 0.05$.
[§]Not enough years of data to calculate.

Rhode Island Middle School Survey
10-year Trend Analysis Report

Total
Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			
QN25: Percentage of students who ever drank alcohol (other than a few sips)								
23.2	21.7	16.4	20.8	15.5	11.6	Decreased, 2011-2021	No quadratic change	No change
QN26: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)								
9.5	9.2	5.2	8.5	6.0	5.2	Decreased, 2011-2021	No quadratic change	No change
QN27: Percentage of students who ever used marijuana								
10.0	8.8	6.6	8.6	7.4	3.7	Decreased, 2011-2021	No quadratic change	Decreased
QN28: Percentage of students who tried marijuana for the first time before age 11 years								
3.0	2.6	1.4	2.4	1.4	0.7	Decreased, 2011-2021	No quadratic change	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Total
Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN29: Percentage of students who ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, hydrocodone, and Percocet)								
			6.8	5.8	8.1	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.

Rhode Island Middle School Survey
10-year Trend Analysis Report

Total
Sexual Behaviors

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN32: Percentage of students who ever had sexual intercourse								
12.4	9.8	6.7	8.1	6.7	4.3	Decreased, 2011-2021	No quadratic change	Decreased

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

**Total
Physical Activity**

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN39: 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)								
55.4	49.8	52.6	46.2	44.6	45.9	Decreased, 2011-2021	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)								
10.1	12.1	11.3	17.8	11.6	14.6	Increased, 2011-2021	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)								
32.6	26.7	27.4	25.4	24.4	27.4	Decreased, 2011-2021	Decreased, 2011-2017 No change, 2017-2021	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

**Total
Physical Activity**

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN43: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

			18.1	16.4	16.2	No linear change	Not available[§]	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Total Other

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN45: Percentage of students who got 8 or more hours of sleep (on an average school night)

				51.9	50.6	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
10-year Trend Analysis Report

Total Site-Added

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN47: Percentage of students who think other people at school would describe them as equally feminine and masculine

| | | | | 20.8 | 21.4 | No linear change | Not available[§] | No change |

QN49: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)

| | | | 15.9 | 16.6 | 12.2 | Decreased, 2017-2021 | Not available | Decreased |

QN50: Percentage of students who reported someone who lives with them smokes cigarettes

| | | | 34.7 | 27.7 | 27.7 | Decreased, 2017-2021 | Not available | No change |

QN53: Percentage of students who most of the time or always went hungry because there was not enough food in their home (during the 30 days before the survey)

| | | | | 3.4 | 3.6 | 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.

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Rhode Island Middle School Survey
10-year Trend Analysis Report

Total Site-Added

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN54: 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 | 76.9 | 66.6 | No linear change | Not available[§] | Decreased |

QN55: 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 | 51.4 | 57.1 | Increased, 2013-2021 | Not available | Increased |

QN56: 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 | 19.7 | 28.0 | Increased, 2013-2021 | Not available | Increased |

QN57: Percentage of students who have been taught about AIDS or HIV infection in school

| 68.5 | 52.2 | 53.5 | 43.0 | 38.3 | 19.3 | Decreased, 2011-2021 | No quadratic change | Decreased |

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

**Total
Site-Added**

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN58: Percentage of students who strongly agree or agree that they feel like they belong at their school								
	71.1	73.0	65.9	63.0	61.7	Decreased, 2013-2021	Not available[§]	No change
QN59: 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	80.5	82.3	Increased, 2013-2021	Not available	No change
QN61: 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	71.9	72.9	72.1	73.2	73.6	No linear change	No quadratic change	No change
QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)								
	1.6	0.7	0.6	0.8	1.3	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
10-year Trend Analysis Report

Male
Injury and Violence

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN8: Percentage of students who did not always wear a seat belt (when riding in a car driven by someone else)								
40.4	33.1	32.9	33.4	33.0	31.8	Decreased, 2011-2021	No quadratic change	No change
QN12: Percentage of students who were ever bullied on school property								
39.0	35.7	31.9	27.4	26.8	25.8	Decreased, 2011-2021	No quadratic change	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	14.5	20.6	Increased, 2011-2021	No change, 2011-2017 Increased, 2017-2021	Increased
QN14: Percentage of students who ever seriously thought about killing themselves								
14.7	13.9	8.8	9.9	11.3	14.5	No linear change	Decreased, 2011-2015 Increased, 2015-2021	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Male
Injury and Violence

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN15: Percentage of students who ever made a plan about how they would kill themselves								
9.7	10.0	5.5	7.1	8.4	10.6	No linear change	Decreased, 2011-2015 Increased, 2015-2021	No change
QN16: Percentage of students who ever tried to kill themselves								
5.1	6.7	2.9	3.7	4.6	6.7	No linear change	Decreased, 2011-2017 Increased, 2017-2021	Increased

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Male
Tobacco Use

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)								
18.5	15.2	6.6	4.3	5.8	3.6	Decreased, 2011-2021	Decreased, 2011-2017 No change, 2017-2021	Decreased
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)								
4.1	4.3	0.4	1.9	1.8	0.5	Decreased, 2011-2021	No quadratic change	Decreased
QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)								
1.7	0.8	0.1	0.2	0.4	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)								
1.6	0.6	0.1	0.1	0.2	0.0	Not available	Not available	Not available

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Male
Tobacco Use

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN21: Percentage of students who ever used an electronic vapor product								
		17.2	16.3	16.4	9.8	Decreased, 2015-2021	Not available[§]	Decreased
QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey)								
		8.2	6.9	5.6	4.3	Decreased, 2015-2021	Not available	No change
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)								
		1.4	1.5	1.0	0.8	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.

Rhode Island Middle School Survey
10-year Trend Analysis Report

Male
Tobacco Use

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)

| | | 0.8 | 0.8 | 0.7 | 0.7 | No linear change | Not available[§] | No change |

QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey)

| | | 7.8 | 7.7 | 5.7 | 4.1 | Decreased, 2015-2021 | Not available | No change |

QN23: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)

| | | | 2.4 | 1.5 | 0.5 | Decreased, 2017-2021 | Not available | No change |

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Male
Tobacco Use

	Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**				

QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey)

			0.5	0.4	0.2	No linear change	Not available[§]	No change

QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey)

			0.2	0.4	0.2	No linear change	Not available	No change

QN24: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)

5.6	7.3	0.9	3.2	1.4	0.9	Decreased, 2011-2021	No quadratic change	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Male
Tobacco Use

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QNTB4: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products (on at least 1 day during the 30 days before the survey)

			8.1	5.9	4.2	Decreased, 2017-2021	Not available[§]	No change

QNTB3: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco (on at least 1 day during the 30 days before the survey)

			4.3	3.0	1.0	Decreased, 2017-2021	Not available	Decreased

QNFRCGR: Percentage of students who currently smoked cigars frequently (cigars, cigarillos, or little cigars, on 20 or more days during the 30 days before the survey)

1.0	0.6	0.1	0.8	0.6	0.2	No linear change	No quadratic change	No change

QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey)

0.9	0.6	0.1	0.2	0.5	0.2	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, $p < 0.05$.
[§]Not enough years of data to calculate.

Rhode Island Middle School Survey
10-year Trend Analysis Report

Male
Alcohol and Other Drug Use

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN25: Percentage of students who ever drank alcohol (other than a few sips)								
24.3	23.7	14.3	21.5	17.9	10.8	Decreased, 2011-2021	No quadratic change	Decreased
QN26: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)								
10.9	10.2	4.9	10.5	7.8	4.4	Decreased, 2011-2021	No quadratic change	Decreased
QN27: Percentage of students who ever used marijuana								
11.2	9.7	6.5	8.7	7.8	2.5	Decreased, 2011-2021	No change, 2011-2017 Decreased, 2017-2021	Decreased
QN28: Percentage of students who tried marijuana for the first time before age 11 years								
3.7	3.2	1.3	3.2	1.6	0.3	Decreased, 2011-2021	No quadratic change	Decreased

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

Rhode Island Middle School Survey

10-year Trend Analysis Report

Male
Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN29: Percentage of students who ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, hydrocodone, and Percocet)

2011	2013	2015	2017	2019	2021	Linear Change	Quadratic Change	Change from 2019-2021
			5.4	5.5	5.2	No linear change	Not available[§]	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Male
Sexual Behaviors

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN32: Percentage of students who ever had sexual intercourse								
16.5	12.2	8.7	11.1	8.3	4.4	Decreased, 2011-2021	No quadratic change	Decreased

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Male
Physical Activity

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN39: 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)								
62.9	55.8	59.2	54.3	48.0	52.1	Decreased, 2011-2021	No quadratic change	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)								
9.5	12.4	9.2	16.8	12.1	10.9	No linear change	No quadratic change	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)								
41.4	33.1	34.9	32.0	28.0	32.8	Decreased, 2011-2021	Decreased, 2011-2017 No change, 2017-2021	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Male
Physical Activity

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN43: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

			2017	2019	2021			
			20.3	19.1	17.1	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.

Rhode Island Middle School Survey
10-year Trend Analysis Report

Male
Other

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN45: Percentage of students who got 8 or more hours of sleep (on an average school night)

				52.9	54.7	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
10-year Trend Analysis Report

Male
Site-Added

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN47: Percentage of students who think other people at school would describe them as equally feminine and masculine

				22.3	18.0	No linear change	Not available[§]	No change

QN49: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)

			21.1	24.0	17.1	Decreased, 2017-2021	Not available	Decreased

QN50: Percentage of students who reported someone who lives with them smokes cigarettes

			33.0	27.4	28.3	No linear change	Not available	No change

QN53: Percentage of students who most of the time or always went hungry because there was not enough food in their home (during the 30 days before the survey)

				2.8	2.3	No linear change	Not available	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Male
Site-Added

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN54: 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	74.4	65.8	Decreased, 2013-2021	Not available[§]	Decreased

QN55: 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	47.0	53.1	Increased, 2013-2021	Not available	Increased

QN56: 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	13.5	15.4	Increased, 2013-2021	Not available	No change

QN57: Percentage of students who have been taught about AIDS or HIV infection in school

70.0	54.2	55.0	45.4	41.7	22.1	Decreased, 2011-2021	No quadratic change	Decreased

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Male
Site-Added

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN58: Percentage of students who strongly agree or agree that they feel like they belong at their school

| | 74.2 | 79.5 | 72.6 | 67.2 | 70.5 | Decreased, 2013-2021 | Not available[§] | No change |

QN59: 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 | 79.8 | 82.9 | Increased, 2013-2021 | Not available | No change |

QN61: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)

| 65.1 | 65.3 | 69.6 | 66.7 | 67.9 | 73.3 | Increased, 2011-2021 | No quadratic change | No change |

QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)

| | 2.0 | 0.7 | 0.5 | 1.1 | 1.1 | 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.

Rhode Island Middle School Survey
10-year Trend Analysis Report

Female
Injury and Violence

Health Risk Behavior and Percentages						Linear Change*	Quadratic Change*	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN8: Percentage of students who did not always wear a seat belt (when riding in a car driven by someone else)

2011	2013	2015	2017	2019	2021	Linear Change	Quadratic Change	Change from 2019-2021
35.0	28.3	29.4	33.0	31.4	29.5	No linear change	No quadratic change	No change

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

| 38.6 | 44.6 | 44.6 | 39.8 | 37.1 | 39.6 | No linear change | No quadratic change | 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 | 26.6 | 37.3 | Increased, 2011-2021 | No quadratic change | Increased |

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

| 21.3 | 23.9 | 26.2 | 26.7 | 22.4 | 31.2 | Increased, 2011-2021 | No quadratic change | Increased |

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Female
Injury and Violence

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN15: Percentage of students who ever made a plan about how they would kill themselves								
12.0	15.2	16.6	16.2	14.2	22.5	Increased, 2011-2021	No quadratic change	Increased
QN16: Percentage of students who ever tried to kill themselves								
7.5	10.4	9.7	9.6	7.6	12.2	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
10-year Trend Analysis Report

Female
Tobacco Use

	Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

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

14.5	12.5	8.0	5.9	4.5	5.7	Decreased, 2011-2021	No quadratic change	No change

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

3.6	2.4	1.4	1.7	1.2	1.3	Decreased, 2011-2021	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	0.3	0.1	0.4	0.0	0.8	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	0.3	0.1	0.4	0.0	0.7	Not available	Not available	Not available

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Female
Tobacco Use

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			
QN21: Percentage of students who ever used an electronic vapor product								
		14.1	15.3	16.3	12.7	No linear change	Not available[§]	No change
QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey)								
		7.0	6.0	7.1	6.9	No linear change	Not available	No change
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)								
		0.3	1.2	0.6	1.2	No linear change	Not available	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Female
Tobacco Use

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)

| | | 0.3 | 1.0 | 0.3 | 1.0 | No linear change | Not available[§] | No change |

QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey)

| | | 7.1 | 6.4 | 7.2 | 6.6 | No linear change | Not available | No change |

QN23: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)

| | | | 1.4 | 1.3 | 0.8 | 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.

Rhode Island Middle School Survey
10-year Trend Analysis Report

Female
Tobacco Use

	Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey)

			0.7	0.5	0.5	No linear change	Not available[§]	No change

QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey)

			0.6	0.5	0.5	No linear change	Not available	No change

QN24: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)

2.9	4.2	1.4	1.2	0.8	0.9	Decreased, 2011-2021	No quadratic change	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Female
Tobacco Use

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			
QNTB4: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products (on at least 1 day during the 30 days before the survey)								
			6.6	7.3	6.7	No linear change	Not available[§]	No change
QNTB3: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco (on at least 1 day during the 30 days before the survey)								
			2.4	2.1	1.5	No linear change	Not available	No change
QNFRCGR: Percentage of students who currently smoked cigars frequently (cigars, cigarillos, or little cigars, on 20 or more days during the 30 days before the survey)								
0.3	0.2	0.0	0.5	0.4	0.6	Not available	Not available	No change
QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey)								
0.3	0.2	0.0	0.5	0.4	0.5	Not available	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
10-year Trend Analysis Report

Female
Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			
QN25: Percentage of students who ever drank alcohol (other than a few sips)								
22.1	19.6	18.7	20.0	12.9	11.9	Decreased, 2011-2021	No quadratic change	No change
QN26: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)								
7.9	8.4	5.6	6.5	4.0	5.8	Decreased, 2011-2021	No quadratic change	No change
QN27: Percentage of students who ever used marijuana								
8.6	7.9	6.8	8.5	6.9	4.8	Decreased, 2011-2021	No quadratic change	No change
QN28: Percentage of students who tried marijuana for the first time before age 11 years								
2.2	1.8	1.4	1.5	1.1	1.1	Decreased, 2011-2021	No quadratic change	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Female
Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN29: Percentage of students who ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, hydrocodone, and Percocet)

2011	2013	2015	2017	2019	2021	Linear Change	Quadratic Change	Change from 2019-2021
			8.3	6.1	11.1	Increased, 2017-2021	Not available[§]	Increased

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Female
Sexual Behaviors

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN32: Percentage of students who ever had sexual intercourse

2011	2013	2015	2017	2019	2021	Linear Change	Quadratic Change	Change from 2019-2021
8.2	7.1	4.6	4.8	4.9	4.1	Decreased, 2011-2021	No quadratic change	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Female
Physical Activity

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021[†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN39: 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)								
47.5	43.7	45.9	37.6	41.2	40.9	No linear change	No quadratic change	No change
QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)								
10.7	11.9	13.0	18.9	11.0	17.9	Increased, 2011-2021	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)								
23.3	20.2	19.6	18.5	20.7	22.5	No linear change	Decreased, 2011-2017 Increased, 2017-2021	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Female
Physical Activity

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021[†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN43: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

			15.7	13.4	15.2	No linear change	Not available[§]	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Female
Other

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN45: Percentage of students who got 8 or more hours of sleep (on an average school night)

				2019	2021			
				51.1	47.2	No linear change	Not available[§]	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Female
Site-Added

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN47: Percentage of students who think other people at school would describe them as equally feminine and masculine

| | | | | 19.4 | 23.6 | Increased, 2019-2021 | Not available[§] | No change |

QN49: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)

| | | | 10.2 | 8.7 | 7.4 | No linear change | Not available | No change |

QN50: Percentage of students who reported someone who lives with them smokes cigarettes

| | | | 36.5 | 27.9 | 27.1 | Decreased, 2017-2021 | Not available | No change |

QN53: Percentage of students who most of the time or always went hungry because there was not enough food in their home (during the 30 days before the survey)

| | | | | 4.0 | 5.0 | 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
10-year Trend Analysis Report

Female
Site-Added

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN54: Percentage of students who saw a dentist (for a check-up, exam, teeth cleaning, or other dental work, during the 12 months before the survey)

	72.1	72.5	82.2	79.7	68.0	No linear change	Not available[§]	Decreased

QN55: 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)

	47.5	50.4	58.4	56.1	60.7	Increased, 2013-2021	Not available	No change

QN56: 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	26.1	40.1	Increased, 2013-2021	Not available	Increased

QN57: Percentage of students who have been taught about AIDS or HIV infection in school

66.8	50.1	52.0	40.9	34.6	16.9	Decreased, 2011-2021	No quadratic change	Decreased

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Female
Site-Added

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN58: Percentage of students who strongly agree or agree that they feel like they belong at their school								
	67.9	66.1	59.2	58.6	53.8	Decreased, 2013-2021	Not available[§]	No change
QN59: 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	81.4	82.3	No linear change	Not available	No change
QN61: 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	79.0	76.8	77.8	78.9	74.8	No linear change	No quadratic change	No change
QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)								
	1.0	0.6	0.7	0.5	1.4	No linear change	Not available	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

White*
Injury and Violence

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021[§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN8: Percentage of students who did not always wear a seat belt (when riding in a car driven by someone else)

| 29.9 | 22.1 | 21.4 | 23.2 | 24.0 | 22.0 | Decreased, 2011-2021 | No quadratic change | No change |

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

| 41.0 | 40.8 | 39.6 | 35.5 | 33.6 | 33.5 | Decreased, 2011-2021 | No quadratic change | 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 | 23.4 | 28.4 | No linear change | No quadratic change | No change |

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

| 16.2 | 13.1 | 15.1 | 16.2 | 15.3 | 20.3 | 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
10-year Trend Analysis Report

White*
Injury and Violence

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN15: Percentage of students who ever made a plan about how they would kill themselves								
9.3	7.7	9.1	10.3	10.9	15.0	Increased, 2011-2021	No change, 2011-2015 Increased, 2015-2021	No change
QN16: Percentage of students who ever tried to kill themselves								
4.4	4.5	4.8	3.7	5.1	7.5	Increased, 2011-2021	No change, 2011-2017 Increased, 2017-2021	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
10-year Trend Analysis Report

White*
Tobacco Use

Health Risk Behavior and Percentages						**Linear Change**[†]	**Quadratic Change**[†]	**Change from 2019-2021**[§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)								
13.6	9.1	6.6	3.8	3.7	3.6	Decreased, 2011-2021	No quadratic change	No change
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)								
3.6	2.2	0.8	1.2	1.2	0.7	Decreased, 2011-2021	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	0.7	0.0	0.1	0.1	0.3	Not available	Not available[¶]	No change
QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)								
0.7	0.4	0.0	0.1	0.1	0.2	Not available	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
10-year Trend Analysis Report

White*
Tobacco Use

Health Risk Behavior and Percentages						**Linear Change**[†]	**Quadratic Change**[†]	**Change from 2019-2021** [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN21: Percentage of students who ever used an electronic vapor product								
		10.8	10.5	14.4	8.5	No linear change	Not available[¶]	Decreased
QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey)								
		5.6	4.6	6.0	3.1	No linear change	Not available	Decreased
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)								
		0.6	0.5	0.9	0.8	No linear change	Not available	No change

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

Rhode Island Middle School Survey

10-year Trend Analysis Report

White*
Tobacco Use

Health Risk Behavior and Percentages						Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)

		0.4	0.1	0.5	0.6	No linear change	Not available[¶]	No change

QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey)

		5.6	4.9	6.1	2.9	No linear change	Not available	Decreased

QN23: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)

		0.6	0.8	0.4		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.

Rhode Island Middle School Survey

10-year Trend Analysis Report

White*
Tobacco Use

Health Risk Behavior and Percentages						Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey)								
			0.2	0.2	0.3	No linear change	Not available[¶]	No change
QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey)								
			0.1	0.2	0.3	No linear change	Not available	No change
QN24: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)								
3.8	3.3	0.8	1.1	0.7	0.8	Decreased, 2011-2021	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
10-year Trend Analysis Report

White*
Tobacco Use

	Health Risk Behavior and Percentages					**Linear Change**[†]	**Quadratic Change**[†]	**Change from 2019-2021** [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QNTB4: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products (on at least 1 day during the 30 days before the survey)

			4.9	6.4	2.9	No linear change	Not available[¶]	Decreased

QNTB3: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco (on at least 1 day during the 30 days before the survey)

			1.8	1.8	0.9	No linear change	Not available	No change

QNFRCGR: Percentage of students who currently smoked cigars frequently (cigars, cigarillos, or little cigars, on 20 or more days during the 30 days before the survey)

0.3	0.4	0.0	0.2	0.4	0.4	Not available	Not available	No change

QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey)

0.3	0.4	0.0	0.1	0.4	0.3	Not available	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
10-year Trend Analysis Report

White*
Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	2013	2015	2017	2019	2021			
QN25: Percentage of students who ever drank alcohol (other than a few sips)								
17.0	16.1	13.7	14.0	13.6	8.6	Decreased, 2011-2021	No quadratic change	Decreased
QN26: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)								
6.7	5.8	3.0	5.5	4.1	3.2	Decreased, 2011-2021	No quadratic change	No change
QN27: Percentage of students who ever used marijuana								
7.8	6.1	4.9	4.2	5.7	2.4	Decreased, 2011-2021	No quadratic change	Decreased
QN28: Percentage of students who tried marijuana for the first time before age 11 years								
1.9	1.5	1.3	1.0	0.7	0.5	Decreased, 2011-2021	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

10-year Trend Analysis Report

White*
Alcohol and Other Drug Use

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN29: Percentage of students who ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, hydrocodone, and Percocet)

| | | | 6.3 | 4.6 | 5.0 | 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

10-year Trend Analysis Report

White*
Sexual Behaviors

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN32: Percentage of students who ever had sexual intercourse								
8.7	5.9	4.5	4.6	5.3	3.2	Decreased, 2011-2021	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
10-year Trend Analysis Report

White*
Physical Activity

	Health Risk Behavior and Percentages					Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN39: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)

| 61.0 | 56.0 | 58.6 | 53.3 | 52.0 | 54.8 | Decreased, 2011-2021 | No quadratic change | No change |

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

| 5.8 | 6.2 | 7.1 | 10.1 | 6.7 | 9.8 | Increased, 2011-2021 | 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)

| 35.5 | 29.0 | 29.4 | 27.2 | 27.8 | 33.1 | No linear change | Decreased, 2011-2017 No change, 2017-2021 | 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
10-year Trend Analysis Report

White*
Physical Activity

	Health Risk Behavior and Percentages					Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	2013	2015	2017	2019	2021			

QN43: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

2011	2013	2015	2017	2019	2021	Linear Change	Quadratic Change	Change from 2019-2021
			14.2	13.3	13.2	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
10-year Trend Analysis Report

White*
Other

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN45: Percentage of students who got 8 or more hours of sleep (on an average school night)

				53.4	56.4	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.

Rhode Island Middle School Survey
10-year Trend Analysis Report

White*
Site-Added

	Health Risk Behavior and Percentages					Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN47: Percentage of students who think other people at school would describe them as equally feminine and masculine								
				19.7	19.3	No linear change	Not available[¶]	No change
QN49: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)								
			11.4	11.4	8.8	Decreased, 2017-2021	Not available	No change
QN50: Percentage of students who reported someone who lives with them smokes cigarettes								
			33.9	25.9	29.6	No linear change	Not available	No change
QN53: Percentage of students who most of the time or always went hungry because there was not enough food in their home (during the 30 days before the survey)								
				2.2	2.9	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
10-year Trend Analysis Report

White*
Site-Added

		Health Risk Behavior and Percentages				**Linear Change**[†]	**Quadratic Change**[†]	**Change from 2019-2021**[§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN54: 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	86.1	75.8	No linear change	Not available[¶]	Decreased
QN55: 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	56.6	58.1	Increased, 2013-2021	Not available	No change
QN56: 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	21.3	27.3	Increased, 2013-2021	Not available	Increased
QN57: Percentage of students who have been taught about AIDS or HIV infection in school								
72.3	49.4	56.5	44.1	43.5	19.3	Decreased, 2011-2021	No quadratic change	Decreased

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

White*
Site-Added

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021[§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN58: Percentage of students who strongly agree or agree that they feel like they belong at their school

| | 76.0 | 77.1 | 71.0 | 65.4 | 66.9 | Decreased, 2013-2021 | Not available[¶] | No change |

QN59: 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 | 84.3 | 85.9 | Increased, 2013-2021 | Not available | No change |

QN61: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)

| 75.3 | 77.7 | 77.7 | 79.4 | 77.4 | 78.4 | No linear change | No quadratic change | No change |

QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)

| | 0.9 | 0.4 | 0.2 | 0.1 | 1.1 | No linear change | Not available | Increased |

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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

10-year Trend Analysis Report

Black*
Injury and Violence

Health Risk Behavior and Percentages						**Linear Change**[†]	**Quadratic Change**[†]	**Change from 2019-2021** [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN8: Percentage of students who did not always wear a seat belt (when riding in a car driven by someone else)								
53.0	45.6	47.0	50.1	44.0	42.4	No linear change	No quadratic change	No change
QN12: Percentage of students who were ever bullied on school property								
31.0	38.2	34.2	31.8	30.5	32.6	No linear change	No quadratic change	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	12.8	25.3	No linear change	No quadratic change	Increased
QN14: Percentage of students who ever seriously thought about killing themselves								
20.8	24.6	18.6	20.5	18.0	22.4	No linear change	No quadratic change	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Black*
Injury and Violence

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN15: Percentage of students who ever made a plan about how they would kill themselves								
13.7	21.0	11.0	11.1	11.0	16.2	No linear change	No quadratic change	No change
QN16: Percentage of students who ever tried to kill themselves								
7.9	12.8	8.1	9.7	7.5	12.8	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
10-year Trend Analysis Report

Black*
Tobacco Use

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)								
21.0	29.3	9.3	4.1	9.3	2.8	Decreased, 2011-2021	No quadratic change	Decreased
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)								
1.5	6.9	0.2	1.6	2.8	1.0	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)								
0.4	0.6	0.0	1.6	0.7	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)								
0.4	0.6	0.0	0.9	0.7	0.0	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

10-year Trend Analysis Report

Black*
Tobacco Use

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN21: Percentage of students who ever used an electronic vapor product								
		21.3	26.5	22.8	13.4	Decreased, 2015-2021	Not available[¶]	Decreased
QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey)								
		8.3	7.4	8.1	9.3	No linear change	Not available	No change
QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)								
		1.0	1.7	0.8	1.9	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
10-year Trend Analysis Report

Black*
Tobacco Use

	Health Risk Behavior and Percentages					Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)								
		0.1	1.7	0.8	1.9	No linear change	Not available[¶]	No change
QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey)								
		8.4	7.5	8.1	9.3	No linear change	Not available	No change
QN23: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)								
		2.8	3.6	1.3		No linear change	Not available	No change

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

Rhode Island Middle School Survey

10-year Trend Analysis Report

Black*
Tobacco Use

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey)

			0.9	1.4	0.6	No linear change	Not available[¶]	No change

QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey)

			0.9	1.4	0.6	No linear change	Not available	No change

QN24: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)

3.2	7.6	0.9	3.0	2.2	0.6	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
10-year Trend Analysis Report

Black*
Tobacco Use

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QNTB4: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products (on at least 1 day during the 30 days before the survey)								
			7.8	8.3	9.2	No linear change	Not available[¶]	No change
QNTB3: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco (on at least 1 day during the 30 days before the survey)								
			3.1	5.0	1.6	No linear change	Not available	Decreased
QNFRCGR: Percentage of students who currently smoked cigars frequently (cigars, cigarillos, or little cigars, on 20 or more days during the 30 days before the survey)								
0.0	0.6	0.0	0.9	1.4	0.6	Not available	Not available	No change
QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey)								
0.0	0.6	0.0	0.9	1.4	0.6	Not available	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

10-year Trend Analysis Report

Black*
Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	2013	2015	2017	2019	2021			
QN25: Percentage of students who ever drank alcohol (other than a few sips)								
31.4	32.9	19.3	28.8	19.0	13.7	Decreased, 2011-2021	No quadratic change	No change
QN26: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)								
9.9	16.6	7.8	13.2	8.8	5.1	No linear change	No quadratic change	No change
QN27: Percentage of students who ever used marijuana								
16.3	16.5	9.4	15.6	14.1	5.4	No linear change	No quadratic change	No change
QN28: Percentage of students who tried marijuana for the first time before age 11 years								
3.2	5.5	2.2	1.8	3.6	0.6	No linear change	No quadratic change	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

10-year Trend Analysis Report

Black*
Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	2013	2015	2017	2019	2021			
QN29: Percentage of students who ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, hydrocodone, and Percocet)								
			5.2	6.7	11.1	Increased, 2017-2021	Not available[¶]	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Black*
Sexual Behaviors

	Health Risk Behavior and Percentages					**Linear Change**[†]	**Quadratic Change**[†]	**Change from 2019-2021** [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN32: Percentage of students who ever had sexual intercourse

2011	2013	2015	2017	2019	2021	Linear Change	Quadratic Change	Change 2019-2021
23.5	27.7	10.7	11.4	9.2	5.3	Decreased, 2011-2021	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
10-year Trend Analysis Report

Black*
Physical Activity

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN39: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)								
51.6	48.9	52.4	36.2	37.4	39.6	Decreased, 2011-2021	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)								
19.1	20.2	13.0	35.3	22.0	22.7	No linear change	No quadratic change	No change
QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)								
33.0	29.9	31.7	26.0	22.1	27.3	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
10-year Trend Analysis Report

Black*
Physical Activity

	Health Risk Behavior and Percentages					Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN43: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

			2017	2019	2021	Linear Change	Quadratic Change	Change from 2019-2021
			20.7	15.5	20.9	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

10-year Trend Analysis Report

Black*
Other

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN45: Percentage of students who got 8 or more hours of sleep (on an average school night)

| | | | | 42.0 | 46.0 | 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
10-year Trend Analysis Report

Black*
Site-Added

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	2013	2015	2017	2019	2021			

QN47: Percentage of students who think other people at school would describe them as equally feminine and masculine

| | | | | 20.5 | 16.6 | No linear change | Not available[¶] | No change |

QN49: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)

| | | 21.3 | 27.3 | 15.8 | No linear change | Not available | Decreased |

QN50: Percentage of students who reported someone who lives with them smokes cigarettes

| | | 35.1 | 23.8 | 24.3 | No linear change | Not available | No change |

QN53: Percentage of students who most of the time or always went hungry because there was not enough food in their home (during the 30 days before the survey)

| | | | | 4.7 | 4.7 | 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

10-year Trend Analysis Report

Black*
Site-Added

Health Risk Behavior and Percentages						Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	2013	2015	2017	2019	2021			
QN54: 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)								
	59.8	64.1	71.7	65.9	54.2	No linear change	Not available[¶]	No change
QN55: 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)								
	39.1	42.0	53.7	46.0	60.4	Increased, 2013-2021	Not available	Increased
QN56: 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	16.4	23.7	No linear change	Not available	No change
QN57: Percentage of students who have been taught about AIDS or HIV infection in school								
65.7	59.6	45.2	37.5	30.3	14.5	Decreased, 2011-2021	No quadratic change	Decreased

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Black*
Site-Added

		Health Risk Behavior and Percentages				Linear Change[†]	Quadratic Change[†]	Change from 2019-2021 [§]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN58: Percentage of students who strongly agree or agree that they feel like they belong at their school								
	59.5	66.0	53.0	57.1	57.8	No linear change	Not available[¶]	No change
QN59: 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	68.1	80.7	No linear change	Not available	Increased
QN61: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)								
60.7	64.7	68.6	54.8	68.1	68.3	No linear change	No quadratic change	No change
QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)								
	3.2	1.0	0.9	5.1	1.0	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
10-year Trend Analysis Report

Hispanic
Injury and Violence

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN8: Percentage of students who did not always wear a seat belt (when riding in a car driven by someone else)

2011	2013	2015	2017	2019	2021	Linear Change	Quadratic Change	Change from 2019-2021
55.0	49.3	48.6	52.9	46.2	43.0	Decreased, 2011-2021	No quadratic change	No change

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

| 33.6 | 37.9 | 34.5 | 31.3 | 28.5 | 33.9 | No linear change | No quadratic change | Increased |

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 | 14.8 | 31.2 | Increased, 2011-2021 | No change, 2011-2017 Increased, 2017-2021 | Increased |

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

| 21.3 | 29.9 | 19.0 | 21.7 | 19.6 | 30.7 | 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
10-year Trend Analysis Report

Hispanic
Injury and Violence

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			
QN15: Percentage of students who ever made a plan about how they would kill themselves								
14.0	21.8	13.4	15.4	13.1	21.7	No linear change	No quadratic change	Increased
QN16: Percentage of students who ever tried to kill themselves								
11.1	17.0	8.3	11.3	8.7	12.4	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, $p < 0.05$.

Rhode Island Middle School Survey
10-year Trend Analysis Report

Hispanic
Tobacco Use

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			
QN17: Percentage of students who ever tried cigarette smoking (even one or two puffs)								
23.8	24.1	7.4	8.3	7.7	8.2	Decreased, 2011-2021	Decreased, 2011-2017 No change, 2017-2021	No change
QN19: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey)								
5.7	5.9	1.0	3.7	2.2	1.5	Decreased, 2011-2021	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)								
2.7	0.2	0.2	0.5	0.0	0.6	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)								
2.6	0.2	0.2	0.5	0.0	0.6	Not available	Not available	Not available

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Hispanic
Tobacco Use

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN21: Percentage of students who ever used an electronic vapor product

| | | 23.7 | 24.0 | 18.5 | 17.0 | Decreased, 2015-2021 | Not available[§] | No change |

QN22: Percentage of students who currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods [such as JUUL, SMOK, Suorin, Vuse, and blu], on at least 1 day during the 30 days before the survey)

| | | 11.9 | 11.3 | 7.1 | 9.5 | Decreased, 2015-2021 | Not available | No change |

QNFREVP: Percentage of students who currently used electronic vapor products frequently (on 20 or more days during the 30 days before the survey)

| | | 1.0 | 3.8 | 0.5 | 1.4 | No linear change | Not available | No change |

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Hispanic
Tobacco Use

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey)

		0.8	2.8	0.5	1.2	No linear change	Not available[§]	No change

QNTB5: Percentage of students who currently smoked cigarettes or used electronic vapor products (on at least 1 day during the 30 days before the survey)

		11.8	12.7	7.1	8.9	Decreased, 2015-2021	Not available	No change

QN23: Percentage of students who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on at least 1 day during the 30 days before the survey)

		5.1	2.6	1.5		Decreased, 2017-2021	Not available	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Hispanic
Tobacco Use

	Health Risk Behavior and Percentages					**Linear Change**[*]	**Quadratic Change**[*]	**Change from 2019-2021** [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QNFRSKL: Percentage of students who currently used smokeless tobacco frequently (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on 20 or more days during the 30 days before the survey)

			1.5	0.8	0.4	No linear change	Not available[§]	No change

QNDAYSKL: Percentage of students who currently used smokeless tobacco daily (chewing tobacco, snuff, dip, snus, or dissolvable tobacco products [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic vapor products, on all 30 days during the 30 days before the survey)

			0.9	0.8	0.4	No linear change	Not available	No change

QN24: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey)

6.6	12.3	1.6	4.9	1.7	1.1	Decreased, 2011-2021	No quadratic change	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Hispanic
Tobacco Use

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			
QNTB4: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco or electronic vapor products (on at least 1 day during the 30 days before the survey)								
			14.0	6.9	9.3	Decreased, 2017-2021	Not available[§]	No change
QNTB3: Percentage of students who currently smoked cigarettes or cigars or used smokeless tobacco (on at least 1 day during the 30 days before the survey)								
			7.7	3.8	2.0	Decreased, 2017-2021	Not available	No change
QNFRCGR: Percentage of students who currently smoked cigars frequently (cigars, cigarillos, or little cigars, on 20 or more days during the 30 days before the survey)								
1.5	0.3	0.0	1.9	0.5	0.4	No linear change	No quadratic change	No change
QNDAYCGR: Percentage of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on all 30 days during the 30 days before the survey)								
1.5	0.2	0.0	0.9	0.5	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, $p < 0.05$.
[§]Not enough years of data to calculate.

Rhode Island Middle School Survey
10-year Trend Analysis Report

Hispanic
Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			
QN25: Percentage of students who ever drank alcohol (other than a few sips)								
40.9	36.3	21.1	35.5	20.0	18.4	Decreased, 2011-2021	No quadratic change	No change
QN26: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips)								
17.4	18.2	9.1	13.9	10.0	9.6	Decreased, 2011-2021	No quadratic change	No change
QN27: Percentage of students who ever used marijuana								
14.0	13.8	8.0	17.0	9.1	6.4	Decreased, 2011-2021	No quadratic change	No change
QN28: Percentage of students who tried marijuana for the first time before age 11 years								
5.7	3.8	1.4	5.4	2.3	1.3	Decreased, 2011-2021	No quadratic change	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Hispanic
Alcohol and Other Drug Use

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN29: Percentage of students who ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as codeine, Vicodin, Oxycontin, hydrocodone, and Percocet)

			9.5	8.8	13.8	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.

Rhode Island Middle School Survey

10-year Trend Analysis Report

Hispanic
Sexual Behaviors

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN32: Percentage of students who ever had sexual intercourse

2011	2013	2015	2017	2019	2021	Linear Change	Quadratic Change	Change from 2019-2021
20.4	15.2	9.9	15.2	9.6	7.0	Decreased, 2011-2021	No quadratic change	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Hispanic
Physical Activity

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN39: 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)

2011	2013	2015	2017	2019	2021	Linear Change	Quadratic Change	Change from 2019-2021
38.8	34.7	41.9	35.0	31.5	32.6	Decreased, 2011-2021	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)

2011	2013	2015	2017	2019	2021	Linear Change	Quadratic Change	Change from 2019-2021
19.4	23.2	19.9	30.6	17.6	21.3	No linear change	No quadratic change	No change

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

2011	2013	2015	2017	2019	2021	Linear Change	Quadratic Change	Change from 2019-2021
23.6	20.6	22.9	21.6	18.0	18.8	Decreased, 2011-2021	No quadratic change	No change

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Hispanic
Physical Activity

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN43: Percentage of students who had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)

2011	2013	2015	2017	2019	2021	Linear Change	Quadratic Change	Change from 2019-2021
			25.7	21.4	20.6	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

10-year Trend Analysis Report

Hispanic
Other

	Health Risk Behavior and Percentages					Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN45: Percentage of students who got 8 or more hours of sleep (on an average school night)

| | | | | 49.6 | 39.5 | No linear change | Not available[§] | Decreased |

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Hispanic
Site-Added

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN47: Percentage of students who think other people at school would describe them as equally feminine and masculine

| | | | | 22.5 | 24.6 | No linear change | Not available[§] | No change |

QN49: Percentage of students who were in a physical fight on school property (one or more times during the 12 months before the survey)

| | | | 25.2 | 24.9 | 18.6 | No linear change | Not available | Decreased |

QN50: Percentage of students who reported someone who lives with them smokes cigarettes

| | | | 32.5 | 27.8 | 25.4 | Decreased, 2017-2021 | Not available | No change |

QN53: Percentage of students who most of the time or always went hungry because there was not enough food in their home (during the 30 days before the survey)

| | | | | 5.3 | 4.8 | 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.

Rhode Island Middle School Survey
10-year Trend Analysis Report

Hispanic
Site-Added

		Health Risk Behavior and Percentages				Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	2013	2015	2017	2019	2021			

QN54: 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 | 61.4 | 56.5 | No linear change | Not available[§] | No change |

QN55: 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 | 40.7 | 53.2 | Increased, 2013-2021 | Not available | Increased |

QN56: 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 | 18.7 | 33.9 | Increased, 2013-2021 | Not available | Increased |

QN57: Percentage of students who have been taught about AIDS or HIV infection in school

| 58.9 | 59.1 | 50.1 | 45.5 | 30.1 | 23.7 | Decreased, 2011-2021 | No change, 2011-2017 Decreased, 2017-2021 | No change |

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

Rhode Island Middle School Survey
10-year Trend Analysis Report

Hispanic
Site-Added

Health Risk Behavior and Percentages						Linear Change[*]	Quadratic Change[*]	Change from 2019-2021 [†]
2011	**2013**	**2015**	**2017**	**2019**	**2021**			

QN58: Percentage of students who strongly agree or agree that they feel like they belong at their school

| | 62.5 | 68.8 | 60.4 | 57.1 | 53.3 | Decreased, 2013-2021 | Not available[§] | No change |

QN59: 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 | 76.5 | 76.6 | No linear change | Not available | No change |

QN61: Percentage of students who described their grades in school as mostly A's or B's (during the 12 months before the survey)

| 57.4 | 59.9 | 66.3 | 63.7 | 65.5 | 65.8 | Increased, 2011-2021 | No quadratic change | No change |

QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)

| | 2.2 | 0.8 | 1.6 | 1.1 | 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.