

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Total
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|---------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN12: Percentage of students who carried a weapon (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 18.2 | 19.2 | 16.9 | 15.1 | 16.5 | 11.7 | 11.2 | 9.1 | 8.3 | 7.7 | 8.2 | 7.9 | Decreased, 1997-2019 | No quadratic change | No change |
| QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 4.3 | 4.9 | | No linear change | Not available [§] | No change |

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

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

[§]Not enough years of data to calculate.

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|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|---------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN15: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 7.6 | 9.3 | 10.6 | 10.7 | 9.1 | 7.5 | 9.1 | 8.4 | 8.3 | 6.0 | 8.6 | 10.4 | No linear change | No quadratic change | No change |
| QN16: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 7.5 | 10.5 | 9.5 | 8.9 | 8.1 | 6.8 | 7.2 | 6.7 | 7.1 | 6.3 | 7.7 | 8.3 | Decreased, 1997-2019 | No quadratic change | No change |
| QN17: Percentage of students who were in a physical fight (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 34.6 | 39.3 | 40.5 | 37.6 | 35.8 | 33.5 | 31.5 | 28.6 | 26.1 | 22.4 | 24.4 | 22.5 | Decreased, 1997-2019 | Increased, 1997-2001 Decreased, 2001-2019 | No change |

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

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|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN21: Percentage of students who experienced sexual dating violence (being forced by someone they were dating or going out with to do sexual things [counting such things as kissing, touching, or being physically forced to have sexual intercourse] that they did not want to, one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 10.8 | 11.4 | 15.4 | 6.3 | Decreased, 2013-2019 | Not available [§] | Decreased |
| QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 10.5 | 12.0 | 10.0 | 11.3 | No linear change | Not available | No change |
| QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 11.2 | 11.7 | 13.9 | 14.8 | 15.5 | 17.1 | Increased, 2009-2019 | No quadratic change | No change | |

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|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|--|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | |
| QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media, ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 11.0 | 10.8 | 12.1 | 13.3 | 14.3 | Increased, 2011-2019 | Not available [§] | No change | |
| QN25: Percentage of students who felt sad or hopeless (almost every day for >=2 weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | 33.1 | 32.5 | 32.2 | 32.3 | 30.2 | 28.3 | 26.9 | 27.4 | 29.4 | 31.6 | 35.9 | No linear change | Decreased, 1999-2013 Increased, 2013-2019 | Increased | |
| QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | 16.8 | 15.6 | 15.0 | 13.6 | 15.3 | 11.8 | 13.6 | 11.6 | 13.3 | 13.7 | 16.2 | 15.6 | No linear change | Decreased, 1997-2011 Increased, 2011-2019 | No change |

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|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|---------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN28: Percentage of students who attempted suicide (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 7.8 | 6.5 | 7.8 | 8.4 | 9.6 | 7.5 | 9.9 | 8.4 | 8.1 | 8.3 | 11.0 | 9.2 | Increased, 1997-2019 | No quadratic change | Decreased |
| QN29: Percentage of students who had a suicide attempt that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 2.5 | 2.4 | 1.7 | 1.9 | 2.6 | 2.1 | 3.4 | 2.5 | 2.6 | 2.8 | 3.4 | 2.9 | Increased, 1997-2019 | No quadratic change | No change |

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2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Total
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN30: Percentage of students who ever tried cigarette smoking (even one or two puffs) | | | | | | | | | | | | | | | | | |
| | | | 59.9 | 62.1 | 58.0 | 49.4 | 48.1 | 43.5 | 35.3 | 28.9 | 26.8 | 22.0 | 15.0 | 11.5 | Decreased, 1997-2019 | Decreased, 1997-2007 Decreased, 2007-2019 | Decreased |
| QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 23.4 | 24.1 | 17.6 | 14.8 | 11.2 | 8.5 | 8.4 | 8.5 | 8.2 | 5.8 | 5.0 | 3.3 | Decreased, 1997-2019 | No quadratic change | Decreased |
| QNFRSIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 9.7 | 8.8 | 7.5 | 5.3 | 3.6 | 2.7 | 2.4 | 2.5 | 2.2 | 1.4 | 0.8 | 0.8 | Decreased, 1997-2019 | Decreased, 1997-2013 Decreased, 2013-2019 | No change |
| QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 7.2 | 6.1 | 5.3 | 3.9 | 2.6 | 1.8 | 1.7 | 1.8 | 1.7 | 0.9 | 0.6 | 0.4 | Decreased, 1997-2019 | No quadratic change | No change |

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Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN33: Percentage of students who smoked more than 10 cigarettes per day (on the days they smoked during the 30 days before the survey, among students who currently smoked cigarettes) | | | | | | | | | | | | | | | | | |
| | | | 12.9 | 6.7 | 9.9 | 5.8 | 6.3 | 7.2 | 8.2 | 8.4 | 7.0 | 8.8 | 12.9 | 10.6 | No linear change | No change, 1997-2003 No change, 2003-2019 | No change |
| QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 15.9 | 17.3 | 15.2 | 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) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 1.6 | 2.5 | 2.8 | Increased, 2015-2019 | Not available | No change |

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**Total
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|---------------------------------------|----------------------|----------------------------|---------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | |
| QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | 1.1 | 1.9 | 1.8 | 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) | | | | | | | | | | | | | | 18.9 | 19.3 | 16.6 | Decreased, 2015-2019 | Not available | Decreased | |
| QN38: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | 7.7 | 5.7 | 5.8 | 6.3 | Decreased, 2013-2019 | Not available | No change |
| QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | 12.5 | 9.0 | 8.3 | 8.0 | Decreased, 2013-2019 | Not available | No change |

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

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2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

| Total Alcohol and Other Drug Use | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019[†] | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------------|--------------------------|--|------------------|----------------------------|-----------|------|------|------|------|------|------|----------------------|--|-----------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | | | | |
| QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips) | | | | | | | | | | | | | | | 18.2 | 17.6 | 19.2 | No linear change | Not available [§] | No change | | | | | | | | | |
| QN41: Percentage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | 39.7 | 37.8 | 41.8 | 35.5 | 35.5 | 33.5 | 32.0 | 30.6 | 24.7 | 20.9 | 17.9 | 20.8 | Decreased, 1997-2019 | Decreased, 1997-2009 Decreased, 2009-2019 | Increased |
| QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students, within a couple of hours, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | 5.0 | 8.9 | Increased, 2017-2019 | Not available | Increased | | | | | | | | | | |

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| Total Alcohol and Other Drug Use | | | | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------------|--|--|--|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019[†] | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | |
| QN46: Percentage of students who tried marijuana for the first time before age 13 years | | | | | | | | | | | | | | | | | | |
| | | | 7.2 | 6.5 | 7.5 | 7.2 | 6.5 | 5.5 | 6.7 | 7.1 | 7.4 | 6.2 | 6.7 | 7.0 | No linear change | No quadratic change | No change | |
| QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | 15.7 | 17.3 | 17.8 | 15.3 | 12.3 | 12.4 | 15.0 | 17.7 | 16.2 | 15.9 | 16.2 | 17.7 | No linear change | Decreased, 1997-2005 Increased, 2005-2019 | No change | |
| QN48: Percentage of students who ever used synthetic marijuana (one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 5.4 | 5.4 | 9.9 | Increased, 2015-2019 | Not available [§] | Increased | |
| QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | 3.3 | 3.3 | 2.6 | 3.5 | 3.6 | 3.2 | 4.2 | 4.1 | 4.7 | 4.4 | 4.1 | 5.0 | Increased, 1997-2019 | No quadratic change | No change | |

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| Total Alcohol and Other Drug Use | | | | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------------|--------------------------|--|-----------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019[†] | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | |
| QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | 1.0 | 0.9 | 1.6 | 1.8 | 1.3 | 2.6 | 2.7 | 2.8 | 2.5 | 3.9 | 5.5 | Increased, 1999-2019 | No quadratic change | No change | |
| QN56: Percentage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their body, one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | 1.3 | 0.8 | 1.1 | 1.3 | 2.1 | 1.7 | 2.8 | 2.5 | 2.5 | 2.2 | 2.7 | 4.0 | Increased, 1997-2019 | No quadratic change | Increased |

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2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Total
Sexual Behaviors**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|----------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN58: Percentage of students who ever had sexual intercourse | | | | | | | | | | | | | | | | | |
| | | | 40.0 | 45.1 | 50.9 | 48.0 | 47.7 | 46.1 | 39.3 | 37.8 | 31.2 | 27.2 | 26.8 | 25.5 | Decreased, 1997-2019 | No change, 1997-2005 Decreased, 2005-2019 | No change |
| QN59: Percentage of students who had sexual intercourse for the first time before age 13 years | | | | | | | | | | | | | | | | | |
| | | | 9.4 | 8.8 | 12.3 | 11.0 | 10.9 | 9.4 | 8.3 | 7.0 | 5.5 | 4.4 | 4.1 | 3.6 | Decreased, 1997-2019 | No change, 1997-2007 Decreased, 2007-2019 | No change |
| QN60: Percentage of students who had sexual intercourse with four or more persons during their life | | | | | | | | | | | | | | | | | |
| | | | 14.8 | 15.1 | 18.9 | 17.1 | 17.7 | 15.8 | 14.5 | 12.3 | 10.3 | 7.6 | 6.5 | 5.9 | Decreased, 1997-2019 | No change, 1997-2007 Decreased, 2007-2019 | No change |
| QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 27.8 | 30.5 | 36.6 | 33.9 | 29.7 | 31.7 | 27.4 | 25.1 | 20.3 | 18.7 | 17.7 | 16.9 | Decreased, 1997-2019 | No change, 1997-2001 Decreased, 2001-2019 | No change |

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Sexual Behaviors**

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|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|---------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 21.1 | 15.4 | 16.9 | 15.5 | 15.8 | 13.4 | 18.9 | 19.2 | 18.5 | 18.7 | 16.3 | 18.9 | No linear change | No quadratic change | No change |
| QN63: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 72.7 | 66.4 | 71.0 | 76.4 | 69.2 | 71.5 | 71.1 | 65.4 | 67.8 | 62.2 | 57.4 | 54.7 | Decreased, 1997-2019 | Increased, 1997-2003 Decreased, 2003-2019 | No change |
| QN64: Percentage of students who used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 6.5 | 8.1 | 7.0 | 5.5 | 8.1 | 6.3 | 6.8 | 9.3 | 9.6 | 12.5 | 13.8 | 14.8 | Increased, 1997-2019 | No change, 1997-2007 Increased, 2007-2019 | No change |

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Sexual Behaviors**

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|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|---------------------------------------|------|----------------------|--|--|----------------------------|--|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | |
| QNIUDIMP: Percentage of students who used an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | 2.0 | 1.7 | 4.3 | 4.5 | Increased, 2013-2019 | | | Not available [§] | | | No change |
| QNSHPARG: Percentage of students who used a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)) | | | | | | | | | | | | | | | 5.4 | 4.9 | 4.3 | 3.9 | No linear change | | | Not available | | | No change |
| QNOTHHPL: Percentage of students who used birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | 17.0 | 19.0 | 22.4 | 23.1 | Increased, 2013-2019 | | | Not available | | | No change |

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Sexual Behaviors**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|----------------------------|------|------------------|------|------------------|----------------------------|------|---------------------|-----------|------|----------------------|--|--|---------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | | | | | | |
| QNDUALBC: Percentage of students who used both a condom during last sexual intercourse and birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | 7.7 | 6.4 | 6.3 | 5.9 | No linear change | | | Not available [§] | | | No change | | | | | | |
| QNBCNONE: Percentage of students who did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | 10.7 | 13.9 | 13.9 | 10.5 | 16.9 | 15.1 | 15.5 | 14.2 | 17.6 | 17.7 | 24.1 | 20.6 | Increased, 1997-2019 | | | No quadratic change | No change |
| QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) | | | | | | | | | | | | | | | 17.6 | 19.6 | 20.3 | 21.6 | 18.0 | 20.9 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

| Total | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019[†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------------|--|--|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNOWT: Percentage of students who were overweight (\geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | | | | |
| | | | | 14.8 | 14.9 | 15.8 | 16.0 | 15.9 | 16.1 | 15.5 | 16.6 | 15.5 | 16.4 | 17.1 | Increased, 1999-2019 | No quadratic change | No change |
| QNOBESE: Percentage of students who had obesity (\geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | | | | |
| | | | | 9.0 | 11.3 | 13.1 | 11.3 | 11.2 | 10.4 | 11.6 | 11.8 | 12.4 | 13.5 | 13.8 | Increased, 1999-2019 | No quadratic change | No change |
| QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 14.1 | 13.0 | 15.7 | 16.6 | 18.6 | 19.6 | 21.6 | 24.8 | 28.8 | 31.5 | 34.9 | Increased, 1999-2019 | Increased, 1999-2011 Increased, 2011-2019 | Increased |
| QN70: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 16.1 | 20.5 | 19.4 | 19.4 | 16.9 | 18.2 | 18.1 | 18.3 | 17.4 | 19.1 | 21.6 | No linear change | No quadratic change | No change |

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

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

[§]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

| Total | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019[†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------------|--|--|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 4.6 | 5.3 | 5.8 | 6.3 | 6.0 | 6.4 | 6.7 | 7.3 | 8.1 | 9.4 | 11.7 | Increased, 1999-2019 | No quadratic change | Increased |
| QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 65.0 | 63.5 | 63.9 | 60.1 | 59.9 | 61.4 | 59.0 | 56.3 | 52.6 | 52.4 | 48.8 | Decreased, 1999-2019 | Decreased, 1999-2011 Decreased, 2011-2019 | Decreased |
| QNFR2: Percentage of students who ate fruit or drank 100% fruit juices two or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 37.4 | 38.4 | 39.1 | 33.0 | 32.3 | 34.6 | 33.9 | 29.2 | 28.4 | 27.3 | 24.0 | Decreased, 1999-2019 | Decreased, 1999-2011 Decreased, 2011-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

| Total | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019[†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------------|--------------------------|--|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN75: Percentage of students who did not drink a can, bottle, or glass of soda or pop (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 20.6 | 22.0 | 26.1 | 29.6 | 29.0 | 34.5 | 35.8 | | Increased, 2007-2019 | No quadratic change | No change |
| QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 23.5 | 22.2 | 20.9 | 15.7 | 15.8 | 14.9 | 12.4 | | Decreased, 2007-2019 | No quadratic change | Decreased |
| QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 15.9 | 15.8 | 14.8 | 10.4 | 10.3 | 9.6 | 7.9 | | Decreased, 2007-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Total
Physical Activity**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|----------------------------|------|------|----------------------|--|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | |
| QN78: 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) | | | | | | | | | | | | | | | 39.0 | 36.6 | 38.7 | 39.1 | 30.7 | Decreased, 2011-2019 | | Not available [§] | Decreased |
| QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | 18.4 | 18.8 | 20.5 | 18.4 | 23.8 | Increased, 2011-2019 | | Not available | Increased |
| QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | 20.3 | 18.7 | 20.9 | 20.8 | 14.5 | Decreased, 2011-2019 | | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Total
Physical Activity**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | |
| QN79: Percentage of students who watched television 3 or more hours per day (on an average school day) | | | | | | | | | | | | | | | | | | |
| | | | | 59.3 | 59.0 | 59.1 | 54.6 | 48.4 | 43.3 | 38.0 | 31.3 | 28.9 | 22.6 | 19.9 | Decreased, 1999-2019 | Decreased, 1999-2005 Decreased, 2005-2019 | Decreased | |
| QN80: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 35.4 | 42.5 | 43.9 | 41.7 | 45.6 | 43.7 | 41.0 | Increased, 2007-2019 | Increased, 2007-2011 No change, 2011-2019 | No change | |
| QN81: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school) | | | | | | | | | | | | | | | | | | |
| | | | | 84.4 | 87.7 | 85.6 | 88.0 | 85.8 | 78.9 | 81.1 | 79.5 | 85.0 | 84.0 | 86.1 | 85.0 | No linear change | Decreased, 1997-2011 Increased, 2011-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Total
Physical Activity

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2017-2019 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019

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

44.4 57.8 45.6 48.9 43.0 42.3 39.5 41.3 40.9 36.0 34.4 36.0 Decreased, 1997-2019 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

| Total Other | Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|----------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|---------------------------------------|
| | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| | QN86: 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) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 69.7 | 69.4 | 69.7 | No linear change | Not available [§] | No change |
| | QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 3.0 | 2.1 | 2.9 | No linear change | Not available | No change |
| | QN87: Percentage of students who had ever been told by a doctor or nurse that they had asthma | | | | | | | | | | | | | | | | | |
| | | | | | | | | 20.5 | 22.1 | 22.2 | 23.0 | 25.4 | 24.2 | 23.9 | 24.6 | Increased, 2005-2019 | No quadratic change | No change |
| | QN88: Percentage of students who got 8 or more hours of sleep (on an average school night) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 25.2 | 22.6 | 19.6 | Decreased, 2015-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Total
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|----------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | |
| QN90: Percentage of students who live outside of Manhattan borough of New York | | | | | | | | | | | | | | | No linear change | No quadratic change | No change | |
| | | | | | | 89.2 | 89.9 | 89.5 | 91.8 | 88.9 | 90.7 | 89.3 | | | | | | |
| QN91: Percentage of students who reported in their home people most of the time or always speak a language other than English | | | | | | | | | | | | | | | No linear change | No quadratic change | No change | |
| | | | | | | 47.1 | 43.9 | 47.2 | 46.5 | 49.2 | 48.8 | 49.3 | 50.0 | | | | | |
| QN92: Percentage of students who are transgender | | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| | | | | | | | | | | | | 1.5 | 1.6 | | | | | |
| QN94: Percentage of students who think other people at school would describe them as equally feminine and masculine | | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | | 14.5 | 13.8 | | | | | |

*Based on trend 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Total
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|----------------------------|------|------|----------------------|---------------|-----------|------------------|----------------------------|------------------|---------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | | |
| QN96: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | 17.7 | 14.6 | 13.9 | 17.0 | 18.0 | | | | No linear change | Not available [§] | No change | | |
| QN97: Percentage of students who usually got their own cigarettes by buying them in a store such as a convenience store, supermarket, or gas station (among students who smoked during the 30 days before the survey) | | | | | | | | | | | | | | | 30.1 | 28.9 | 27.9 | 37.0 | 31.4 | 30.6 | 25.7 | | | | No linear change | No quadratic change | No change |
| QN102: Percentage of students who have taken a 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, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | 7.8 | 12.5 | | | | Increased, 2017-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Total
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|---------------------------------------|------------------|--|--|----------------------------|--|--|-----------|--|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | |
| QN103: Percentage of students who have ever used ecstasy (also called MDMA, "Molly," "E," or "X," one or more times during their life) | | | | | | | | | | | | | | | 4.8 | 4.6 | 5.9 | No linear change | | | Not available [§] | | | No change | | |
| QN104: Percentage of students who have taken a prescription benzodiazepine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as Xanax, Valium, Klonopin, or Ativan, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | 5.1 | 5.8 | No linear change | | | Not available | | | No change | | |
| QN105: Percentage of students who have taken a prescription stimulant without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as Adderall, Ritalin, Concerta, or Vyvanse, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | 5.8 | 6.4 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Total
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|---------------------------------------|----------------------|----------------------|-----|----------------------------|---------------|--|---------------------|-----------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | |
| QN106: Percentage of students who did not use a method to prevent pregnancy the first time they had sexual intercourse (among students who have had sexual intercourse) | | | | | | | | | | | | | | 16.6 | 19.1 | 23.2 | Increased, 2015-2019 | | | Not available [§] | | | Increased | | | |
| QN109: Percentage of students who used or whose partner used Emergency Contraception (the "Morning-After Pill") after the last time they had sexual intercourse (among students who have had sexual intercourse) | | | | | | | | | | | | | | 9.9 | 10.3 | 13.7 | 14.5 | Increased, 2013-2019 | | | Not available | | | No change | | |
| QN110: Percentage of students who have been pregnant or gotten someone pregnant (during the 12 months before the survey) | | | | | | | | | | | | | | 4.5 | 5.9 | 2.2 | 2.0 | 1.8 | 1.8 | Decreased, 2009-2019 | | | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Total
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN113: Percentage of students who ate vegetables one or more times per day (such as green salad, carrots, green beans, or other vegetables, not counting potatoes, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 28.5 | 31.6 | 32.1 | 28.2 | 26.4 | 29.1 | 25.5 | | Decreased, 2007-2019 | Increased, 2007-2011 Decreased, 2011-2019 | No change |
| QN114: Percentage of students who drank other sugar-sweetened drinks (such as sports drinks, energy drinks, fruit punch, fruit-flavored drinks, or sugar-sweetened teas, not including diet or sugar-free drinks, one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 74.4 | 71.6 | 69.1 | 66.6 | | Decreased, 2013-2019 | Not available [§] | Decreased |
| QN118: Percentage of students who had an episode of asthma or an asthma attack (among students who have had asthma, during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 25.0 | 24.2 | 24.1 | 26.9 | 22.4 | 28.2 | 24.4 | | No linear change | No quadratic change | Decreased |

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

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

[§]Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Total
Site-Added

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2017-2019 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019

QN119: Percentage of students who usually slept in the home of a friend, family member, or other person because they had to leave their home or their parent or guardian could not afford housing (during the 30 days before the survey)

4.8 5.9 No linear change Not available[§] No change

QN120: Percentage of students who have ever slept away from their parents or guardians because they were kicked out, ran away, or were abandoned (during the 12 months before the survey)

9.2 12.1 Increased, 2017-2019 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Male
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN12: Percentage of students who carried a weapon (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 25.6 | 25.7 | 26.0 | 23.0 | 23.5 | 16.8 | 15.3 | 12.5 | 11.2 | 10.4 | 11.5 | 10.7 | Decreased, 1997-2019 | No quadratic change | No change |
| QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 6.2 | 6.5 | No linear change | Not available [§] | No change |
| QN15: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 9.7 | 9.3 | 10.2 | 10.0 | 9.0 | 7.4 | 7.9 | 8.5 | 8.4 | 5.9 | 9.0 | 10.5 | No linear change | Decreased, 1997-2015 Increased, 2015-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Male
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN16: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 10.1 | 13.5 | 12.5 | 11.9 | 10.9 | 9.1 | 9.7 | 8.3 | 8.8 | 8.0 | 10.1 | 10.4 | Decreased, 1997-2019 | Decreased, 1997-2015 Increased, 2015-2019 | No change |
| QN17: Percentage of students who were in a physical fight (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 43.3 | 45.1 | 47.7 | 45.1 | 41.4 | 39.8 | 37.9 | 33.1 | 31.0 | 25.6 | 29.6 | 26.6 | Decreased, 1997-2019 | No quadratic change | No change |
| QN21: Percentage of students who experienced sexual dating violence (being forced by someone they were dating or going out with to do sexual things [counting such things as kissing, touching, or being physically forced to have sexual intercourse] that they did not want to, one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 11.3 | 8.6 | 11.8 | 4.6 | Decreased, 2013-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Male
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|-------------------------|------|------------------|----------------------|----------------------|----------------------------|---------------|---------------------|-----------|-----------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | |
| QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | 10.4 | 11.1 | 9.7 | 11.1 | No linear change | | | Not available [§] | | | No change | | |
| QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey) | | | | | | | | | | | | | | 11.1 | 11.5 | 12.4 | 11.7 | 14.4 | 16.1 | Increased, 2009-2019 | | | No quadratic change | | | No change |
| QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media, ever during the 12 months before the survey) | | | | | | | | | | | | | | 8.9 | 8.8 | 8.9 | 11.6 | 13.5 | Increased, 2011-2019 | | | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Male
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN25: Percentage of students who felt sad or hopeless (almost every day for >=2 weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 25.8 | 24.8 | 24.9 | 24.3 | 20.6 | 21.5 | 20.8 | 20.9 | 21.2 | 24.4 | 28.2 | | No linear change | Decreased, 1999-2013 Increased, 2013-2019 | Increased |
| QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 10.9 | 10.9 | 10.7 | 9.3 | 10.3 | 7.7 | 10.2 | 8.1 | 10.0 | 9.0 | 13.1 | 13.5 | No linear change | Decreased, 1997-2011 Increased, 2011-2019 | No change |
| QN28: Percentage of students who attempted suicide (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 4.6 | 3.5 | 4.4 | 5.1 | 7.3 | 5.4 | 9.0 | 7.0 | 6.6 | 6.2 | 9.9 | 8.5 | Increased, 1997-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Male
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|-------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN29: Percentage of students who had a suicide attempt that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 1.3 | 2.0 | 1.4 | 1.5 | 3.3 | 1.9 | 3.4 | 1.9 | 2.2 | 2.6 | 3.9 | 3.0 | Increased, 1997-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Male
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN30: Percentage of students who ever tried cigarette smoking (even one or two puffs) | | | | | | | | | | | | | | | | | |
| | | | 56.1 | 60.7 | 53.7 | 46.9 | 46.4 | 43.4 | 35.6 | 28.9 | 27.6 | 23.3 | 16.1 | 12.3 | Decreased, 1997-2019 | Decreased, 1997-2007 Decreased, 2007-2019 | Decreased |
| QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 22.8 | 22.6 | 16.4 | 13.4 | 10.5 | 8.3 | 9.0 | 9.0 | 9.2 | 6.6 | 6.1 | 4.0 | Decreased, 1997-2019 | No quadratic change | Decreased |
| QNFRSIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 10.8 | 8.7 | 7.8 | 5.3 | 4.2 | 2.8 | 2.7 | 3.3 | 2.9 | 1.8 | 1.3 | 1.0 | Decreased, 1997-2019 | No quadratic change | No change |
| QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 8.4 | 6.4 | 6.2 | 4.1 | 3.0 | 2.0 | 2.0 | 2.3 | 2.2 | 1.2 | 1.1 | 0.6 | Decreased, 1997-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
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Male
Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN33: Percentage of students who smoked more than 10 cigarettes per day (on the days they smoked during the 30 days before the survey, among students who currently smoked cigarettes) | | | | | | | | | | | | | | | | | |
| | | | 14.0 | 8.9 | 17.6 | 7.7 | 10.8 | 10.1 | 11.2 | 12.1 | 8.3 | 10.7 | 16.1 | 10.2 | No linear change | No quadratic change | No change |
| QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 14.8 | 18.3 | 14.9 | 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) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 2.0 | 3.2 | 3.0 | Increased, 2015-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Male
Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 1.6 | 2.4 | 2.0 | | 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) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 18.4 | 20.4 | 16.9 | | No linear change | Not available | Decreased |
| QN38: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 8.7 | 7.7 | 7.1 | 8.3 | No linear change | Not available | No change |
| QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 13.7 | 11.1 | 10.2 | 10.2 | Decreased, 2013-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

| Male Alcohol and Other Drug Use | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|---------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 18.5 | 17.8 | 19.0 | No linear change | Not available [§] | No change |
| QN41: Percentage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 42.1 | 40.5 | 41.7 | 34.6 | 35.8 | 32.5 | 30.5 | 28.3 | 22.7 | 17.6 | 15.1 | 19.3 | Decreased, 1997-2019 | Decreased, 1997-2007 Decreased, 2007-2019 | Increased |
| QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students, within a couple of hours, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 4.2 | 8.9 | Increased, 2017-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

| Male Alcohol and Other Drug Use | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|---------------------|---------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN46: Percentage of students who tried marijuana for the first time before age 13 years | | | | | | | | | | | | | | | No linear change | No quadratic change | No change |
| | | 9.1 | 8.0 | 8.6 | 9.1 | 8.5 | 7.4 | 8.8 | 8.9 | 10.3 | 7.4 | 8.1 | 9.2 | | | | |
| QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey) | | | | | | | | | | | | | | | No linear change | No quadratic change | No change |
| | | 19.4 | 19.6 | 19.3 | 16.4 | 14.2 | 14.0 | 17.4 | 19.7 | 17.3 | 15.7 | 15.3 | 17.1 | | | | |
| QN48: Percentage of students who ever used synthetic marijuana (one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 6.5 | 6.4 | 11.0 | Increased, 2015-2019 | Not available [§] | Increased | |
| QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life) | | | | | | | | | | | | | | | Increased, 1997-2019 | No quadratic change | No change |
| | | 4.3 | 3.7 | 2.5 | 4.0 | 4.4 | 3.9 | 5.7 | 4.9 | 6.2 | 5.7 | 5.6 | 6.7 | | | | |

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

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

[§]Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

| Male Alcohol and Other Drug Use | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|---------------------|-------------------|---------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | 1.3 | 1.2 | 2.3 | 2.9 | 2.0 | 3.6 | 3.5 | 3.9 | 3.6 | 5.3 | 7.8 | Increased, 1999-2019 | No quadratic change | No change | |
| QN56: Percentage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their body, one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | 2.0 | 1.3 | 1.4 | 1.8 | 3.1 | 2.2 | 3.4 | 3.4 | 3.1 | 3.0 | 3.6 | 5.6 | Increased, 1997-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Male Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|--|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|--|-------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN58: Percentage of students who ever had sexual intercourse | | | | | | | | | | | | | | | | | |
| | 47.0 | 53.2 | 56.6 | 55.3 | 52.3 | 51.6 | 45.2 | 43.9 | 36.3 | 30.4 | 30.5 | 28.8 | Decreased, 1997-2019 | | No change, 1997-2005 Decreased, 2005-2019 | No change | |
| QN59: Percentage of students who had sexual intercourse for the first time before age 13 years | | | | | | | | | | | | | | | | | |
| | 15.6 | 15.5 | 19.5 | 18.2 | 17.1 | 15.5 | 13.5 | 10.5 | 8.9 | 7.5 | 7.0 | 5.9 | Decreased, 1997-2019 | | No change, 1997-2005 Decreased, 2005-2019 | No change | |
| QN60: Percentage of students who had sexual intercourse with four or more persons during their life | | | | | | | | | | | | | | | | | |
| | 22.6 | 23.9 | 28.4 | 26.5 | 24.0 | 23.4 | 21.5 | 18.2 | 15.4 | 11.4 | 10.1 | 8.9 | Decreased, 1997-2019 | | No change, 1997-2007 Decreased, 2007-2019 | No change | |
| QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) | | | | | | | | | | | | | | | | | |
| | 30.4 | 33.9 | 38.9 | 37.1 | 29.5 | 32.4 | 30.1 | 27.8 | 22.7 | 19.1 | 18.3 | 17.3 | Decreased, 1997-2019 | | No change, 1997-2001 Decreased, 2001-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Male Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 26.9 | 20.3 | 23.4 | 20.6 | 21.8 | 17.0 | 22.7 | 23.2 | 22.1 | 22.3 | 19.1 | 22.0 | No linear change | No quadratic change | No change |
| QN63: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 78.4 | 72.5 | 78.3 | 83.8 | 77.3 | 78.3 | 77.3 | 70.8 | 73.3 | 69.9 | 66.5 | 61.3 | Decreased, 1997-2019 | Increased, 1997-2003 Decreased, 2003-2019 | No change |
| QN64: Percentage of students who used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 6.7 | 6.8 | 4.4 | 3.4 | 8.9 | 4.8 | 6.7 | 8.4 | 8.7 | 11.5 | 12.5 | 15.1 | Increased, 1997-2019 | Decreased, 1997-2003 Increased, 2003-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Male
Sexual Behaviors**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNIUDIMP: Percentage of students who used an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | No linear change | Not available [§] | No change |
| | | | | | | | | 1.5 | | | 0.9 | | 2.8 | 2.9 | | | |
| QNSHPARG: Percentage of students who used a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)) | | | | | | | | | | | | | | | No linear change | Not available | No change |
| | | | | | | | | 2.9 | | | 4.0 | | 2.9 | 1.4 | | | |
| QNOTHHPL: Percentage of students who used birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | Increased, 2013-2019 | Not available | No change |
| | | | | | | | | 13.1 | | | 16.4 | | 18.3 | 19.4 | | | |

*Based on trend 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Male
Sexual Behaviors**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|-------------------------|------|------------------|------|----------------------|----------------------------|------|---------------------|-----------|------|----------------------|--|--|---------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | | | | | | |
| QNDUALBC: Percentage of students who used both a condom during last sexual intercourse and birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | 6.2 | 6.5 | 5.5 | 4.0 | No linear change | | | Not available [§] | | | No change | | | | | | |
| QNBCNONE: Percentage of students who did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | 8.6 | 12.6 | 9.9 | 7.8 | 11.2 | 12.2 | 11.1 | 14.0 | 17.1 | 12.2 | 19.9 | 14.8 | Increased, 1997-2019 | | | No quadratic change | Decreased |
| QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) | | | | | | | | | | | | | | | 17.1 | 20.7 | 21.4 | 22.4 | 18.9 | 23.5 | Increased, 2009-2019 | | | No quadratic change | | | Increased | | | | |

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

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

§Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

| Male | | | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|---------------------|------------------------------------|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNOWT: Percentage of students who were overweight (\geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | | | | |
| | | | | 16.4 | 14.5 | 16.5 | 16.8 | 14.7 | 16.1 | 14.6 | 16.4 | 14.0 | 15.0 | 15.1 | No linear change | No quadratic change | No change |
| QNOBESE: Percentage of students who had obesity (\geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | | | | |
| | | | | 12.6 | 14.5 | 17.1 | 13.8 | 13.4 | 12.9 | 14.1 | 13.2 | 14.2 | 16.3 | 15.7 | No linear change | No quadratic change | No change |
| QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 13.0 | 12.4 | 15.0 | 18.1 | 17.7 | 19.6 | 21.4 | 24.3 | 27.4 | 30.7 | 34.8 | Increased, 1999-2019 | No quadratic change | Increased |
| QN70: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 16.8 | 20.3 | 20.2 | 21.9 | 17.5 | 19.5 | 20.2 | 20.0 | 18.5 | 20.6 | 24.9 | Increased, 1999-2019 | 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, $p < 0.05$.

[§]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

| Male | | | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------------|--|--|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019[†] |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 5.7 | 5.3 | 6.5 | 7.5 | 6.4 | 7.5 | 8.4 | 8.3 | 9.1 | 10.8 | 14.2 | Increased, 1999-2019 | Increased, 1999-2015 Increased, 2015-2019 | Increased |
| QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 67.0 | 65.2 | 66.0 | 61.6 | 61.9 | 63.5 | 60.4 | 58.4 | 56.0 | 54.8 | 50.4 | Decreased, 1999-2019 | No quadratic change | Decreased |
| QNFR2: Percentage of students who ate fruit or drank 100% fruit juices two or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 38.1 | 41.4 | 41.8 | 35.1 | 33.5 | 37.7 | 35.3 | 32.6 | 30.4 | 29.8 | 25.4 | Decreased, 1999-2019 | Decreased, 1999-2011 Decreased, 2011-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

| Male | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|---------------------|-------------------------|--|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN75: Percentage of students who did not drink a can, bottle, or glass of soda or pop (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 17.5 | 20.8 | 25.4 | 27.7 | 27.1 | 31.7 | 34.2 | Increased, 2007-2019 | No quadratic change | No change | |
| QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 25.4 | 23.3 | 23.5 | 17.0 | 16.5 | 17.9 | 13.6 | Decreased, 2007-2019 | No quadratic change | Decreased | |
| QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 17.0 | 15.7 | 16.3 | 11.0 | 10.7 | 11.7 | 8.3 | Decreased, 2007-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Male
Physical Activity**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|-------------------------|------|------|----------------------|--|--|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | |
| QN78: Percentage of students who were physically active at least 60 minutes per day on 5 or more days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | 45.8 | 42.9 | 45.7 | 46.6 | 34.4 | Decreased, 2011-2019 | | | Not available [§] | Decreased |
| QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | 16.6 | 15.8 | 16.3 | 16.0 | 23.1 | Increased, 2011-2019 | | | Not available | Increased |
| QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | 26.4 | 24.3 | 26.2 | 26.2 | 17.0 | Decreased, 2011-2019 | | | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Male
Physical Activity**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|---------------------|-------------------------|------|------|------|------|----------------------|--|-----------|------|------|----------------------|---------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | | | | |
| QN79: Percentage of students who watched television 3 or more hours per day (on an average school day) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 64.6 | 63.0 | 61.3 | 55.7 | 49.2 | 44.4 | 36.4 | 29.3 | 26.2 | 22.4 | 18.7 | Decreased, 1999-2019 | No quadratic change | Decreased | | | | | | | | | | | | |
| QN80: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 37.6 | 43.3 | 44.2 | 43.0 | 46.8 | 46.6 | 43.0 | Increased, 2007-2019 | Increased, 2007-2015 No change, 2015-2019 | No change | | | | | |
| QN81: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 86.1 | 88.5 | 86.2 | 88.0 | 85.5 | 80.2 | 81.1 | 76.3 | 83.0 | 82.6 | 84.2 | 81.8 | Decreased, 1997-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Male
Physical Activity

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2017-2019 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019

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

46.3 59.7 43.4 48.6 42.2 43.8 39.8 40.1 39.8 36.3 33.7 34.3 Decreased, 1997-2019 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, $p < 0.05$.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Male
Site-Added

| Health Risk Behavior and Percentages | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | | | | | | | | | | | | | | | |
|---|------|------|----------------|-------------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|-----------|------------------|---------------------|---------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | |
| QN90: Percentage of students who live outside of Manhattan borough of New York | | | | | | | | | | | | | | | 89.0 | 90.5 | 90.3 | 91.7 | 89.9 | 90.8 | 89.5 | No linear change | No quadratic change | No change | |
| QN91: Percentage of students who reported in their home people most of the time or always speak a language other than English | | | | | | | | | | | | | | | 47.0 | 42.9 | 46.0 | 44.5 | 46.8 | 47.0 | 47.6 | 48.8 | No linear change | No quadratic change | No change |
| QN92: Percentage of students who are transgender | | | | | | | | | | | | | | | 1.7 | 1.9 | | | No linear change | Not available [§] | No change | | | | |
| QN94: Percentage of students who think other people at school would describe them as equally feminine and masculine | | | | | | | | | | | | | | | 11.9 | 10.2 | | | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Male
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------|----------------------------|-------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN96: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 13.2 | 9.3 | 8.9 | 13.7 | 14.7 | Increased, 2011-2019 | | Not available [§] | No change | |
| QN97: Percentage of students who usually got their own cigarettes by buying them in a store such as a convenience store, supermarket, or gas station (among students who smoked during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 33.4 | 31.7 | 33.4 | 40.3 | 37.6 | 35.4 | 28.9 | No linear change | | No quadratic change | No change |
| QN102: Percentage of students who have taken a 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, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 8.4 | 11.5 | Increased, 2017-2019 | | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Male
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | |
| QN103: Percentage of students who have ever used ecstasy (also called MDMA, "Molly," "E," or "X," one or more times during their life) | | | | | | | | | | | | | | | 5.6 | 5.8 | 7.3 | No linear change | Not available [§] | No change |
| QN104: Percentage of students who have taken a prescription benzodiazepine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as Xanax, Valium, Klonopin, or Ativan, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | 5.9 | 7.7 | No linear change | Not available | No change | |
| QN105: Percentage of students who have taken a prescription stimulant without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as Adderall, Ritalin, Concerta, or Vyvanse, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | 7.4 | 8.2 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Male
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|----------------------|----------------------|-----|----------------------------|---------------|--|---------------------|-----------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | |
| QN106: Percentage of students who did not use a method to prevent pregnancy the first time they had sexual intercourse (among students who have had sexual intercourse) | | | | | | | | | | | | | | 15.2 | 16.9 | 22.6 | Increased, 2015-2019 | | | Not available [§] | | | Increased | | | |
| QN109: Percentage of students who used or whose partner used Emergency Contraception (the "Morning-After Pill") after the last time they had sexual intercourse (among students who have had sexual intercourse) | | | | | | | | | | | | | | 7.5 | 8.9 | 11.9 | 10.8 | Increased, 2013-2019 | | | Not available | | | No change | | |
| QN110: Percentage of students who have been pregnant or gotten someone pregnant (during the 12 months before the survey) | | | | | | | | | | | | | | 5.4 | 7.3 | 2.1 | 2.6 | 2.3 | 2.6 | Decreased, 2009-2019 | | | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Male
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN113: Percentage of students who ate vegetables one or more times per day (such as green salad, carrots, green beans, or other vegetables, not counting potatoes, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 29.1 | 32.4 | 32.5 | 28.6 | 28.5 | 30.9 | 25.7 | | Decreased, 2007-2019 | Increased, 2007-2011 Decreased, 2011-2019 | Decreased |
| QN114: Percentage of students who drank other sugar-sweetened drinks (such as sports drinks, energy drinks, fruit punch, fruit-flavored drinks, or sugar-sweetened teas, not including diet or sugar-free drinks, one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 75.0 | 72.9 | 71.9 | 66.2 | | Decreased, 2013-2019 | Not available [§] | Decreased |
| QN118: Percentage of students who had an episode of asthma or an asthma attack (among students who have had asthma, during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 24.3 | 23.7 | 24.0 | 26.3 | 23.7 | 29.7 | 26.8 | | Increased, 2007-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Male
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN119: Percentage of students who usually slept in the home of a friend, family member, or other person because they had to leave their home or their parent or guardian could not afford housing (during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 5.7 | 6.9 | No linear change | Not available [§] | No change |
| QN120: Percentage of students who have ever slept away from their parents or guardians because they were kicked out, ran away, or were abandoned (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 11.0 | 14.7 | Increased, 2017-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Female
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN12: Percentage of students who carried a weapon (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 11.0 | 12.8 | 8.0 | 7.4 | 9.1 | 6.8 | 7.6 | 5.5 | 5.1 | 4.6 | 4.3 | 4.1 | Decreased, 1997-2019 | No quadratic change | No change |
| QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 1.7 | 2.1 | No linear change | Not available [§] | No change |
| QN15: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 5.5 | 9.3 | 11.2 | 11.0 | 9.3 | 7.6 | 10.2 | 8.2 | 7.9 | 5.7 | 7.4 | 9.3 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Female Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN16: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 5.1 | 7.7 | 6.4 | 6.0 | 5.3 | 4.5 | 5.0 | 4.8 | 5.0 | 4.4 | 4.3 | 5.4 | Decreased, 1997-2019 | No quadratic change | No change |
| QN17: Percentage of students who were in a physical fight (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 26.3 | 33.4 | 33.6 | 30.5 | 30.2 | 27.6 | 25.7 | 23.8 | 20.8 | 18.8 | 18.2 | 17.4 | Decreased, 1997-2019 | Increased, 1997-2001 Decreased, 2001-2019 | No change |
| QN21: Percentage of students who experienced sexual dating violence (being forced by someone they were dating or going out with to do sexual things [counting such things as kissing, touching, or being physically forced to have sexual intercourse] that they did not want to, one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 9.9 | 13.6 | 18.1 | 6.4 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Female
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|-------------------------|------|------------------|------------------|----------------------|----------------------------|---------------|--|-----------|-----------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | |
| QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | 10.3 | 12.5 | 9.3 | 9.2 | No linear change | | | Not available [§] | | | No change | | |
| QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey) | | | | | | | | | | | | | | 11.2 | 11.8 | 15.5 | 17.9 | 16.2 | 18.0 | Increased, 2009-2019 | | | Increased, 2009-2015 No change, 2015-2019 | | | No change |
| QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media, ever during the 12 months before the survey) | | | | | | | | | | | | | | 12.8 | 12.8 | 15.2 | 14.7 | 14.9 | No linear change | | | Not available | | | No change | |

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

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

§Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Female
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|---------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN25: Percentage of students who felt sad or hopeless (almost every day for >=2 weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 40.3 | 39.6 | 39.3 | 40.3 | 39.1 | 34.4 | 33.0 | 33.9 | 37.7 | 38.6 | 43.7 | No linear change | Decreased, 1999-2013 Increased, 2013-2019 | Increased | |
| QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | 22.5 | 20.2 | 18.9 | 17.8 | 20.0 | 15.4 | 16.6 | 14.9 | 16.4 | 18.3 | 19.1 | 17.4 | Decreased, 1997-2019 | Decreased, 1997-2011 Increased, 2011-2019 | No change | |
| QN28: Percentage of students who attempted suicide (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | 10.6 | 9.4 | 10.8 | 11.3 | 11.8 | 9.3 | 10.7 | 9.4 | 9.4 | 10.1 | 11.3 | 9.0 | No linear change | No quadratic change | Decreased | |

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

†Based on t-test analysis, p < 0.05.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Female
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|-------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN29: Percentage of students who had a suicide attempt that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 3.5 | 2.8 | 1.9 | 2.2 | 2.0 | 2.3 | 3.4 | 2.8 | 2.9 | 2.9 | 2.8 | 2.5 | No linear change | No quadratic change | No change |

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

†Based on t-test analysis, p < 0.05.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Female Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN30: Percentage of students who ever tried cigarette smoking (even one or two puffs) | | | | | | | | | | | | | | | | | |
| | | | 63.5 | 63.5 | 62.0 | 51.7 | 49.9 | 43.6 | 35.1 | 28.8 | 25.8 | 20.5 | 13.4 | 10.5 | Decreased, 1997-2019 | Decreased, 1997-2007 Decreased, 2007-2019 | Decreased |
| QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 23.9 | 25.7 | 18.7 | 16.2 | 12.0 | 8.6 | 7.9 | 7.9 | 7.0 | 4.7 | 3.4 | 2.2 | Decreased, 1997-2019 | Decreased, 1997-2013 Decreased, 2013-2019 | Decreased |
| QNFRDIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 8.6 | 8.8 | 7.3 | 5.4 | 3.1 | 2.6 | 2.2 | 1.7 | 1.6 | 1.0 | 0.2 | 0.5 | Decreased, 1997-2019 | Decreased, 1997-2013 Decreased, 2013-2019 | No change |
| QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 6.1 | 5.9 | 4.5 | 3.7 | 2.3 | 1.5 | 1.5 | 1.2 | 1.0 | 0.6 | 0.1 | 0.2 | Decreased, 1997-2019 | Decreased, 1997-2013 Decreased, 2013-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Female
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|-------------------------|----------------------|--|--|----------------------------|--|--|-----------|--|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | |
| QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | 16.9 | 15.5 | 15.0 | 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) | | | | | | | | | | | | | | 1.4 | 1.6 | 2.4 | Increased, 2015-2019 | | | Not available | | | No change | | |
| QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | 0.7 | 1.2 | 1.4 | Increased, 2015-2019 | | | 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) | | | | | | | | | | | | | | 19.1 | 17.3 | 15.7 | Decreased, 2015-2019 | | | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Female
Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN38: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 6.3 | 3.4 | 3.5 | 3.3 | Decreased, 2013-2019 | Not available [§] | No change |
| QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 10.9 | 6.6 | 5.5 | 4.8 | Decreased, 2013-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

| Female Alcohol and Other Drug Use | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------------|--------------------------|--|------------------|------|---------------|----------------------------|------|-----------|-----------|------|------|----------------------|--|--|--|--|--|-----------|--|--|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019[†] | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | | | | | | | | | | |
| QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips) | | | | | | | | | | | | | | | 17.4 | 17.0 | 18.5 | No linear change | | | Not available [§] | | | No change | | | | | | | | | | | |
| QN41: Percentage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | 37.4 | 35.1 | 41.6 | 36.3 | 34.8 | 34.5 | 33.4 | 32.6 | 26.5 | 23.8 | 20.4 | 21.9 | Decreased, 1997-2019 | | | No change, 1997-2009 Decreased, 2009-2019 | | | No change | | |
| QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students, within a couple of hours, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | 5.5 | 8.4 | Increased, 2017-2019 | | | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

| Female Alcohol and Other Drug Use | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019[†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------------|--|--|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN46: Percentage of students who tried marijuana for the first time before age 13 years | | | | | | | | | | | | | | | | | |
| | | | 5.5 | 5.2 | 6.2 | 5.3 | 4.5 | 3.8 | 4.8 | 5.2 | 4.2 | 4.8 | 4.9 | 4.0 | No linear change | No quadratic change | No change |
| QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 12.0 | 15.0 | 16.3 | 14.2 | 10.4 | 11.0 | 12.9 | 15.7 | 14.8 | 15.8 | 16.4 | 17.7 | Increased, 1997-2019 | Decreased, 1997-2007 Increased, 2007-2019 | No change |
| QN48: Percentage of students who ever used synthetic marijuana (one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 3.9 | 4.0 | 7.9 | Increased, 2015-2019 | Not available [§] | Increased |
| QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | 2.4 | 2.9 | 2.6 | 2.9 | 2.8 | 2.4 | 3.0 | 3.0 | 2.9 | 2.7 | 2.0 | 2.4 | No linear change | No change, 1997-2009 Decreased, 2009-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

| Female Alcohol and Other Drug Use | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------|----------------------------|-----------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | |
| QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | 0.7 | 0.5 | 1.0 | 0.7 | 0.6 | 1.6 | 1.6 | 1.4 | 1.1 | 1.6 | 2.1 | Increased, 1999-2019 | No quadratic change | No change | |
| QN56: Percentage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their body, one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | 0.7 | 0.4 | 0.8 | 0.7 | 1.1 | 1.1 | 2.2 | 1.5 | 1.6 | 1.3 | 1.4 | 1.9 | Increased, 1997-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Female Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN58: Percentage of students who ever had sexual intercourse | | | | | | | | | | | | | | | | | |
| | | | 33.4 | 37.2 | 45.6 | 41.1 | 43.1 | 41.2 | 34.5 | 32.1 | 26.2 | 24.3 | 23.4 | 22.7 | Decreased, 1997-2019 | No change, 1997-2005 Decreased, 2005-2019 | No change |
| QN59: Percentage of students who had sexual intercourse for the first time before age 13 years | | | | | | | | | | | | | | | | | |
| | | | 3.7 | 2.3 | 5.5 | 4.3 | 4.8 | 3.8 | 4.1 | 3.9 | 2.3 | 1.5 | 1.4 | 1.5 | Decreased, 1997-2019 | No change, 1997-2009 Decreased, 2009-2019 | No change |
| QN60: Percentage of students who had sexual intercourse with four or more persons during their life | | | | | | | | | | | | | | | | | |
| | | | 7.6 | 6.6 | 10.1 | 8.4 | 11.5 | 9.0 | 8.8 | 7.1 | 5.5 | 4.3 | 3.3 | 3.2 | Decreased, 1997-2019 | No change, 1997-2009 Decreased, 2009-2019 | No change |
| QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 25.5 | 27.3 | 34.5 | 30.8 | 29.6 | 31.0 | 25.2 | 22.5 | 18.1 | 18.5 | 16.9 | 16.5 | Decreased, 1997-2019 | No change, 1997-2005 Decreased, 2005-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Female Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 14.6 | 9.5 | 10.2 | 10.1 | 10.6 | 10.1 | 15.1 | 15.2 | 14.2 | 15.3 | 13.3 | 16.2 | Increased, 1997-2019 | No quadratic change | No change |
| QN63: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 66.4 | 59.2 | 63.1 | 68.5 | 62.8 | 65.0 | 65.1 | 59.6 | 61.3 | 55.3 | 50.0 | 49.0 | Decreased, 1997-2019 | No change, 1997-2009 Decreased, 2009-2019 | No change |
| QN64: Percentage of students who used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 6.2 | 9.7 | 9.8 | 7.7 | 6.0 | 7.6 | 6.8 | 10.4 | 10.6 | 13.4 | 14.4 | 13.9 | Increased, 1997-2019 | No change, 1997-2007 Increased, 2007-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Female Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|-------------------------|------|----------------------|--|--|----------------------------|--|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | |
| QNIUDIMP: Percentage of students who used an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | 2.7 | 2.3 | 5.3 | 5.9 | Increased, 2013-2019 | | | Not available [§] | | | No change |
| QNSHPARG: Percentage of students who used a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)) | | | | | | | | | | | | | | | 8.3 | 5.6 | 5.5 | 5.8 | No linear change | | | Not available | | | No change |
| QNOTHHPL: Percentage of students who used birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | 21.6 | 21.3 | 25.2 | 25.6 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Female
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|---------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | |
| QNDUALBC: Percentage of students who used both a condom during last sexual intercourse and birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 9.6 | 6.3 | 7.1 | 7.6 | No linear change | Not available [§] | No change | | |
| QNBCNONE: Percentage of students who did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | | | |
| | | | 12.9 | 15.4 | 18.1 | 13.2 | 22.4 | 17.8 | 19.8 | 14.1 | 18.3 | 22.5 | 27.9 | 25.8 | Increased, 1997-2019 | No quadratic change | No change | | |
| QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 17.9 | 18.6 | 19.2 | 20.7 | 16.9 | 18.1 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Female

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNOWT: Percentage of students who were overweight (\geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | | | | |
| | | | | 13.2 | 15.3 | 15.2 | 15.1 | 17.1 | 16.1 | 16.4 | 16.8 | 17.1 | 17.8 | 19.1 | Increased, 1999-2019 | No quadratic change | No change |
| QNOBESE: Percentage of students who had obesity (\geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | | | | |
| | | | | 5.4 | 8.4 | 9.3 | 8.8 | 9.1 | 8.0 | 9.1 | 10.3 | 10.6 | 10.6 | 12.0 | Increased, 1999-2019 | No quadratic change | No change |
| QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 15.0 | 13.4 | 16.3 | 15.3 | 19.2 | 19.6 | 21.6 | 25.2 | 30.1 | 32.3 | 35.2 | Increased, 1999-2019 | Increased, 1999-2009 Increased, 2009-2019 | No change |
| QN70: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 15.4 | 20.9 | 18.4 | 17.2 | 16.4 | 17.1 | 16.1 | 16.4 | 16.3 | 17.5 | 18.4 | 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, $p < 0.05$.

[§]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

| Female | | | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------------|--|--|
| Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | | | |
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019[†] |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 3.3 | 5.3 | 5.1 | 5.2 | 5.7 | 5.4 | 5.0 | 6.3 | 7.0 | 8.1 | 9.3 | Increased, 1999-2019 | No quadratic change | No change |
| QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 63.1 | 61.6 | 61.9 | 58.4 | 58.1 | 59.6 | 57.8 | 54.2 | 49.2 | 50.2 | 46.8 | Decreased, 1999-2019 | Decreased, 1999-2011 Decreased, 2011-2019 | Decreased |
| QNFR2: Percentage of students who ate fruit or drank 100% fruit juices two or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 36.8 | 35.7 | 36.4 | 30.6 | 31.2 | 32.0 | 32.8 | 25.9 | 26.3 | 24.8 | 22.4 | Decreased, 1999-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

| Female Weight Management and Dietary Behaviors | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|---------------------|---------------------------------------|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | | |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN75: Percentage of students who did not drink a can, bottle, or glass of soda or pop (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 23.3 | 23.1 | 26.7 | 31.2 | 30.9 | 37.1 | 37.4 | | Increased, 2007-2019 | No quadratic change | No change |
| QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 21.8 | 21.2 | 18.5 | 14.3 | 15.0 | 11.8 | 10.7 | | Decreased, 2007-2019 | No quadratic change | No change |
| QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 15.0 | 15.9 | 13.4 | 9.8 | 10.0 | 7.4 | 7.1 | | Decreased, 2007-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

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**Female
Physical Activity**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|-------------------------|------|------|----------------------|--|--|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | |
| QN78: 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) | | | | | | | | | | | | | | | 33.0 | 30.6 | 32.3 | 32.3 | 27.3 | Decreased, 2011-2019 | | | Not available [§] | Decreased |
| QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | 20.1 | 21.6 | 24.3 | 20.3 | 24.4 | Increased, 2011-2019 | | | Not available | Increased |
| QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | 15.0 | 13.5 | 15.9 | 15.8 | 12.3 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Female
Physical Activity**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|--|---------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | |
| QN79: Percentage of students who watched television 3 or more hours per day (on an average school day) | | | | | | | | | | | | | | | | | | |
| | | | | 54.1 | 55.4 | 57.1 | 53.3 | 47.7 | 42.4 | 39.5 | 33.3 | 31.5 | 22.7 | 21.3 | Decreased, 1999-2019 | No change, 1999-2005 Decreased, 2005-2019 | No change | |
| QN80: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 33.4 | 41.8 | 43.8 | 40.8 | 44.5 | 41.0 | 39.1 | Increased, 2007-2019 | Increased, 2007-2011 Decreased, 2011-2019 | No change | |
| QN81: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school) | | | | | | | | | | | | | | | | | | |
| | | | | 82.8 | 86.9 | 85.3 | 88.0 | 86.0 | 77.9 | 81.2 | 82.3 | 87.1 | 85.5 | 88.1 | 88.4 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Female
Physical Activity

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2017-2019 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019

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

42.5 55.8 48.0 49.2 43.4 40.9 39.2 42.7 42.1 35.8 35.3 38.3 Decreased, 1997-2019 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
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| Female Other | Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | | |
|-----------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|----------------------------|------|------|------|------------------|---------------------|---------------|-----------|
| | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | |
| | QN86: 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) | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 68.4 | 70.8 | 71.7 | No linear change | Not available [§] | No change | | | | | | | |
| | QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work) | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 2.5 | 1.6 | 1.9 | No linear change | Not available | No change | | | | | | | |
| | QN87: Percentage of students who had ever been told by a doctor or nurse that they had asthma | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 19.3 | 21.9 | 21.1 | 20.9 | 23.7 | 22.8 | 21.3 | 22.7 | No linear change | No quadratic change | No change | |
| | QN88: Percentage of students who got 8 or more hours of sleep (on an average school night) | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 23.1 | 22.3 | 20.1 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Female
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|---------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN90: Percentage of students who live outside of Manhattan borough of New York | | | | | | | | | | | | | | No linear change | No quadratic change | No change | |
| | | | | | | 89.5 | 89.3 | 88.8 | 92.1 | 88.0 | 91.0 | 89.3 | | | | | |
| QN91: Percentage of students who reported in their home people most of the time or always speak a language other than English | | | | | | | | | | | | | | No linear change | No quadratic change | No change | |
| | | | | | | 47.3 | 44.7 | 48.4 | 48.4 | 51.5 | 50.6 | 51.4 | 51.7 | | | | |
| QN92: Percentage of students who are transgender | | | | | | | | | | | | | | No linear change | Not available [§] | No change | |
| | | | | | | | | | | | | 1.1 | 0.9 | | | | |
| QN94: Percentage of students who think other people at school would describe them as equally feminine and masculine | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | | 16.9 | 17.3 | | | | |

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

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

[§]Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Female
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN96: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 22.0 | 19.8 | 18.9 | 19.7 | 20.8 | | | No linear change | Not available [§] | No change |
| QN97: Percentage of students who usually got their own cigarettes by buying them in a store such as a convenience store, supermarket, or gas station (among students who smoked during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 27.0 | 26.1 | 22.3 | 33.3 | 25.1 | 23.2 | 21.5 | No linear change | No quadratic change | No change |
| QN102: Percentage of students who have taken a 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, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 6.4 | 12.6 | | Increased, 2017-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Female
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|---------------------------------------|------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | |
| QN103: Percentage of students who have ever used ecstasy (also called MDMA, "Molly," "E," or "X," one or more times during their life) | | | | | | | | | | | | | | | 3.4 | 2.6 | 3.4 | No linear change | Not available [§] | No change |
| QN104: Percentage of students who have taken a prescription benzodiazepine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as Xanax, Valium, Klonopin, or Ativan, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | 3.5 | 3.1 | No linear change | Not available | No change | |
| QN105: Percentage of students who have taken a prescription stimulant without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as Adderall, Ritalin, Concerta, or Vyvanse, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | 3.3 | 3.8 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Female
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN106: Percentage of students who did not use a method to prevent pregnancy the first time they had sexual intercourse (among students who have had sexual intercourse) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 17.8 | 21.7 | 24.1 | Increased, 2015-2019 | Not available [§] | No change | |
| QN109: Percentage of students who used or whose partner used Emergency Contraception (the "Morning-After Pill") after the last time they had sexual intercourse (among students who have had sexual intercourse) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 12.7 | 11.5 | 15.5 | 18.3 | Increased, 2013-2019 | Not available | No change |
| QN110: Percentage of students who have been pregnant or gotten someone pregnant (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 3.9 | 4.7 | 2.3 | 1.3 | 1.1 | 1.1 | Decreased, 2009-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Female
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|---------------------------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | |
| QN113: Percentage of students who ate vegetables one or more times per day (such as green salad, carrots, green beans, or other vegetables, not counting potatoes, during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | 27.8 | 30.9 | 31.8 | 27.9 | 24.2 | 27.3 | 25.1 | | | Decreased, 2007-2019 | No quadratic change | No change | |
| QN114: Percentage of students who drank other sugar-sweetened drinks (such as sports drinks, energy drinks, fruit punch, fruit-flavored drinks, or sugar-sweetened teas, not including diet or sugar-free drinks, one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 74.0 | 70.3 | 66.5 | 67.0 | | | Decreased, 2013-2019 | Not available [§] | No change |
| QN118: Percentage of students who had an episode of asthma or an asthma attack (among students who have had asthma, during the 12 months before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | | | 25.8 | 24.7 | 24.1 | 27.3 | 21.0 | 26.4 | 22.2 | | | No linear change | No quadratic change | Decreased | |

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

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

[§]Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Female
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN119: Percentage of students who usually slept in the home of a friend, family member, or other person because they had to leave their home or their parent or guardian could not afford housing (during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 3.8 | 4.9 | Increased, 2017-2019 | Not available [§] | No change |
| QN120: Percentage of students who have ever slept away from their parents or guardians because they were kicked out, ran away, or were abandoned (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 7.3 | 9.4 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

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White*
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN12: Percentage of students who carried a weapon (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 16.0 | 15.8 | 14.4 | 12.1 | 14.6 | 9.7 | 8.4 | 8.0 | 8.0 | 6.6 | 9.0 | 6.4 | Decreased, 1997-2019 | No quadratic change | No change |
| QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 3.2 | 3.4 | No linear change | Not available [¶] | No change |
| QN15: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 4.1 | 7.6 | 14.4 | 9.3 | 5.6 | 5.9 | 3.5 | 4.4 | 5.1 | 5.2 | 6.3 | 9.5 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|--|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN16: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 5.1 | 12.5 | 8.4 | 10.1 | 7.7 | 6.7 | 5.2 | 4.6 | 4.7 | 6.0 | 5.9 | 7.9 | Decreased, 1997-2019 | No quadratic change | No change |
| QN17: Percentage of students who were in a physical fight (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 34.2 | 43.8 | 44.4 | 36.7 | 35.9 | 27.3 | 27.4 | 21.5 | 21.7 | 20.2 | 20.0 | 16.9 | Decreased, 1997-2019 | Increased, 1997-2001 Decreased, 2001-2019 | No change |
| QN21: Percentage of students who experienced sexual dating violence (being forced by someone they were dating or going out with to do sexual things [counting such things as kissing, touching, or being physically forced to have sexual intercourse] that they did not want to, one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 11.3 | 13.3 | 13.4 | 5.3 | Decreased, 2013-2019 | Not available [¶] | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|------|------------------|------------------|----------------------|----------------------------|---------------|---------------------|-----------|-----------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | | |
| QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | | 9.2 | 8.7 | 4.9 | 10.2 | No linear change | | | Not available [¶] | | | No change | | |
| QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey) | | | | | | | | | | | | | | | 11.4 | 12.7 | 16.0 | 17.4 | 18.4 | 16.4 | Increased, 2009-2019 | | | No quadratic change | | | No change |
| QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media, ever during the 12 months before the survey) | | | | | | | | | | | | | | | 13.4 | 13.7 | 12.7 | 16.1 | 14.0 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

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White*
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN25: Percentage of students who felt sad or hopeless (almost every day for >=2 weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 28.4 | 32.0 | 31.1 | 24.9 | 26.3 | 27.1 | 25.6 | 22.3 | 29.7 | 29.4 | 30.6 | No linear change | Decreased, 1999-2013 Increased, 2013-2019 | No change |
| QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 17.2 | 17.5 | 12.9 | 15.4 | 15.1 | 9.7 | 13.6 | 11.1 | 11.9 | 14.6 | 14.6 | 12.1 | Decreased, 1997-2019 | Decreased, 1997-2007 Increased, 2007-2019 | No change |
| QN28: Percentage of students who attempted suicide (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 5.9 | 4.9 | 5.6 | 7.4 | 7.3 | 4.0 | 5.5 | 4.7 | 4.8 | 7.1 | 8.2 | 5.8 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
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White*
Injury and Violence

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2017-2019[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019

QN29: Percentage of students who had a suicide attempt that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey)

1.1 1.9 1.4 1.3 2.7 1.1 1.5 1.8 1.5 2.6 2.7 1.7 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**White*
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|--|---------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN30: Percentage of students who ever tried cigarette smoking (even one or two puffs) | | | | | | | | | | | | | | | | | |
| | | | 64.9 | 72.1 | 64.6 | 59.7 | 58.0 | 56.3 | 44.3 | 41.1 | 35.8 | 29.5 | 20.4 | 18.3 | Decreased, 1997-2019 | Decreased, 1997-2007 Decreased, 2007-2019 | No change |
| QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 35.8 | 36.7 | 32.1 | 27.3 | 29.3 | 21.8 | 15.3 | 16.9 | 15.2 | 12.6 | 7.5 | 5.2 | Decreased, 1997-2019 | Decreased, 1997-2005 Decreased, 2005-2019 | No change |
| QNFRSIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 18.7 | 17.7 | 21.0 | 13.4 | 15.6 | 8.0 | 6.3 | 7.4 | 5.2 | 2.8 | 1.0 | 1.2 | Decreased, 1997-2019 | No change, 1997-2005 Decreased, 2005-2019 | No change |
| QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 12.7 | 11.9 | 17.1 | 8.8 | 12.1 | 5.8 | 3.5 | 5.5 | 3.2 | 2.2 | 1.0 | 0.6 | Decreased, 1997-2019 | No change, 1997-2005 Decreased, 2005-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**White*
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|---------------------------------------|----------------------|--|--|----------------------------|--|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | |
| QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | 24.9 | 27.5 | 18.2 | Decreased, 2015-2019 | | | 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) | | | | | | | | | | | | | | 3.6 | 4.2 | 7.1 | No linear change | | | Not available | | | No change |
| QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | 2.8 | 2.8 | 4.2 | 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) | | | | | | | | | | | | | | 29.8 | 29.3 | 19.4 | Decreased, 2015-2019 | | | Not available | | | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
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White*
Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN38: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 9.7 | 7.8 | 6.8 | 5.3 | Decreased, 2013-2019 | Not available [¶] | No change |
| QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 18.8 | 16.6 | 11.1 | 8.2 | Decreased, 2013-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*

Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|--|------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | |
| QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips) | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 14.0 | 14.6 | 17.1 | No linear change | Not available [¶] | No change |
| QN41: Percentage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | | | | |
| | | | | 53.6 | 55.1 | 59.9 | 51.1 | 52.3 | 49.8 | 42.1 | 40.2 | 31.8 | 30.2 | 27.8 | 30.1 | Decreased, 1997-2019 | No change, 1997-2005 Decreased, 2005-2019 | No change | | |
| QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students, within a couple of hours, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 8.3 | 11.3 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*

Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|--|---------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN46: Percentage of students who tried marijuana for the first time before age 13 years | | | | | | | | | | | | | | | | | |
| | | 6.5 | 7.5 | 7.4 | 6.5 | 8.1 | 4.2 | 4.8 | 6.0 | 6.4 | 5.8 | 6.6 | 4.0 | | No linear change | No quadratic change | No change |
| QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | 20.6 | 21.6 | 24.5 | 19.5 | 21.3 | 19.1 | 16.7 | 19.8 | 18.5 | 18.9 | 19.0 | 16.4 | | Decreased, 1997-2019 | No quadratic change | No change |
| QN48: Percentage of students who ever used synthetic marijuana (one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 4.9 | 5.8 | 9.0 | | Increased, 2015-2019 | Not available [¶] | No change |
| QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | 4.6 | 7.3 | 5.2 | 7.5 | 9.1 | 6.1 | 4.9 | 4.3 | 5.9 | 5.6 | 4.3 | 3.3 | | Decreased, 1997-2019 | No change, 1997-2005 Decreased, 2005-2019 | 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.

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White*

Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|---------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | |
| QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | 2.0 | 0.3 | 2.2 | 3.8 | 2.1 | 1.9 | 1.5 | 2.9 | 2.0 | 3.4 | 3.7 | No linear change | No quadratic change | No change | |
| QN56: Percentage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their body, one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | 1.3 | 1.2 | 1.0 | 1.8 | 2.7 | 2.2 | 1.7 | 1.4 | 2.7 | 3.2 | 2.2 | 2.5 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|--|---------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN58: Percentage of students who ever had sexual intercourse | | | | | | | | | | | | | | | | | |
| | | | 25.1 | 34.3 | 38.5 | 35.5 | 38.8 | 34.7 | 27.5 | 25.9 | 24.9 | 22.8 | 18.2 | 17.6 | Decreased, 1997-2019 | Increased, 1997-2005 Decreased, 2005-2019 | No change |
| QN59: Percentage of students who had sexual intercourse for the first time before age 13 years | | | | | | | | | | | | | | | | | |
| | | | 2.6 | 3.8 | 2.4 | 4.1 | 4.7 | 4.8 | 2.3 | 2.4 | 3.5 | 1.3 | 1.7 | 1.6 | No linear change | No quadratic change | No change |
| QN60: Percentage of students who had sexual intercourse with four or more persons during their life | | | | | | | | | | | | | | | | | |
| | | | 5.9 | 8.7 | 13.5 | 8.6 | 11.9 | 8.9 | 7.9 | 6.8 | 6.1 | 5.3 | 2.9 | 4.3 | Decreased, 1997-2019 | Increased, 1997-2001 Decreased, 2001-2019 | No change |
| QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 18.8 | 23.3 | 30.2 | 25.1 | 25.4 | 22.3 | 20.7 | 18.2 | 18.0 | 17.1 | 13.1 | 12.2 | Decreased, 1997-2019 | Increased, 1997-2001 Decreased, 2001-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | | | | 22.8 | 29.3 | 21.5 | 28.1 | 23.4 | 24.7 | 16.7 | 25.1 | 20.7 | No linear change | No quadratic change | No change |
| QN63: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | | | | 74.9 | 60.9 | 80.5 | 74.5 | 67.4 | 66.8 | 67.1 | 68.6 | 53.5 | No linear change | No quadratic change | No change |
| QN64: Percentage of students who used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | | | | 7.5 | 5.9 | 7.7 | 9.5 | 12.7 | 14.4 | 13.1 | 18.9 | 25.9 | Increased, 2003-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNIUDIMP: Percentage of students who used an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 1.4 | 3.6 | 4.3 | 4.0 | No linear change | Not available [¶] | No change |
| QNSHPARG: Percentage of students who used a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 6.0 | 3.2 | 2.7 | 3.1 | No linear change | Not available | No change |
| QNOTHHPL: Percentage of students who used birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 21.7 | 19.9 | 25.9 | 33.0 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNDUALBC: Percentage of students who used both a condom during last sexual intercourse and birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | No linear change | Not available [¶] | No change |
| | | | | | 5.4 | 17.3 | 5.2 | 10.3 | 10.5 | 10.1 | 9.5 | 11.7 | 13.5 | | No linear change | No quadratic change | No change |
| QNBCNONE: Percentage of students who did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | Increased, 2009-2019 | No quadratic change | No change |
| | | | | | | | | 7.7 | 11.5 | 11.6 | 12.6 | 10.6 | 15.1 | | Increased, 2009-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNOWT: Percentage of students who were overweight (\geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [†] | | | | | | | | | | | | | | | | | |
| | | | | 15.0 | 10.8 | 15.0 | 11.8 | 14.4 | 9.7 | 15.0 | 14.1 | 9.5 | 11.1 | 12.0 | No linear change | No quadratic change | No change |
| QNOBESE: Percentage of students who had obesity (\geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [†] | | | | | | | | | | | | | | | | | |
| | | | | 8.0 | 12.4 | 7.6 | 9.1 | 8.2 | 7.6 | 8.6 | 7.4 | 8.8 | 8.7 | 7.9 | No linear change | No quadratic change | No change |
| QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 15.6 | 15.2 | 18.3 | 19.8 | 22.2 | 18.5 | 24.4 | 29.4 | 32.5 | 38.6 | 44.2 | Increased, 1999-2019 | Increased, 1999-2011 Increased, 2011-2019 | No change |
| QN70: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 16.5 | 13.4 | 10.9 | 12.8 | 13.2 | 10.1 | 14.5 | 13.2 | 11.0 | 12.5 | 16.4 | No linear change | Decreased, 1999-2003 No change, 2003-2019 | 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, $p < 0.05$.

[¶]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

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White*

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 6.0 | 7.9 | 4.3 | 4.7 | 5.7 | 4.5 | 6.0 | 7.3 | 7.1 | 6.9 | 11.8 | Increased, 1999-2019 | No change, 1999-2005 Increased, 2005-2019 | Increased |
| QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 65.3 | 66.4 | 67.4 | 59.2 | 62.1 | 67.9 | 61.2 | 58.2 | 54.5 | 56.9 | 51.5 | Decreased, 1999-2019 | No quadratic change | No change |
| QNFR2: Percentage of students who ate fruit or drank 100% fruit juices two or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 33.3 | 42.7 | 38.9 | 29.9 | 36.3 | 35.5 | 34.2 | 30.1 | 27.5 | 29.2 | 27.0 | Decreased, 1999-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN75: Percentage of students who did not drink a can, bottle, or glass of soda or pop (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 27.3 | 28.4 | 33.4 | 37.2 | 37.9 | 46.3 | 45.9 | Increased, 2007-2019 | No quadratic change | No change |
| QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 24.6 | 18.4 | 18.8 | 14.8 | 10.6 | 10.9 | 9.4 | Decreased, 2007-2019 | No quadratic change | No change |
| QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 16.0 | 12.7 | 12.8 | 8.2 | 6.9 | 6.3 | 5.4 | Decreased, 2007-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*
Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|---------------------------------------|------|------|----------------------|--|--|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | |
| QN78: 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) | | | | | | | | | | | | | | | 44.3 | 43.5 | 42.9 | 48.1 | 32.0 | Decreased, 2011-2019 | | | Not available [¶] | Decreased |
| QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | 12.8 | 14.6 | 13.7 | 11.7 | 21.7 | Increased, 2011-2019 | | | Not available | Increased |
| QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | 24.3 | 22.4 | 19.6 | 25.7 | 13.7 | Decreased, 2011-2019 | | | Not available | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*
Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN79: Percentage of students who watched television 3 or more hours per day (on an average school day) | | | | | | | | | | | | | | | | | |
| | | | | 45.4 | 40.6 | 43.7 | 38.7 | 31.8 | 28.3 | 26.2 | 21.4 | 18.7 | 16.4 | 16.0 | Decreased, 1999-2019 | No quadratic change | No change |
| QN80: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 36.0 | 38.0 | 36.5 | 37.0 | 41.8 | 42.2 | 37.6 | No linear change | No quadratic change | No change |
| QN81: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school) | | | | | | | | | | | | | | | | | |
| | | | 87.4 | 87.9 | 88.5 | 87.2 | 88.9 | 85.4 | 78.9 | 77.3 | 82.6 | 91.5 | 89.3 | 82.2 | No linear change | No quadratic change | No change |

*Non-Hispanic.

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

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

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

White*
Physical Activity

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2017-2019[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019

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

34.7 65.4 48.1 44.5 41.5 46.0 43.6 40.9 44.3 36.9 36.0 36.6 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

| White* Site-Added | | | | | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------------|-------------------------------------|--|
| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change[†] | Quadratic Change[†] | Change from 2017-2019[§] |
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN90: Percentage of students who live outside of Manhattan borough of New York | | | | | | | | | | | | | | | | | |
| | | | | | | | 90.8 | 90.0 | 87.2 | 90.3 | 84.4 | 90.3 | 82.6 | | No linear change | No quadratic change | No change |
| QN91: Percentage of students who reported in their home people most of the time or always speak a language other than English | | | | | | | | | | | | | | | | | |
| | | | | | | 35.2 | 38.2 | 40.0 | 40.0 | 40.0 | 39.1 | 39.3 | 42.8 | | No linear change | No quadratic change | No change |
| QN92: Percentage of students who are transgender | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 1.4 | 2.0 | | No linear change | Not available [¶] | No change |
| QN94: Percentage of students who think other people at school would describe them as equally feminine and masculine | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 11.2 | 8.9 | | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|---------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | |
| QN96: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | No linear change | Not available [¶] | No change | |
| | | | | | | | | 17.2 | 14.5 | 15.7 | 15.6 | 15.5 | | | | | | |
| QN102: Percentage of students who have taken a 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, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | | | 7.3 | 7.6 | | | | | |
| QN103: Percentage of students who have ever used ecstasy (also called MDMA, "Molly," "E," or "X," one or more times during their life) | | | | | | | | | | | | | | | No linear change | Not available | No change | |
| | | | | | | | | | | 4.9 | 4.3 | 5.2 | | | | | | |

*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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

White*
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|----------------------------|---------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | |
| QN104: Percentage of students who have taken a prescription benzodiazepine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as Xanax, Valium, Klonopin, or Ativan, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | 6.3 | 5.8 | No linear change | Not available [¶] | No change | |
| QN105: Percentage of students who have taken a prescription stimulant without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as Adderall, Ritalin, Concerta, or Vyvanse, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | 5.8 | 5.4 | No linear change | Not available | No change | |
| QN106: Percentage of students who did not use a method to prevent pregnancy the first time they had sexual intercourse (among students who have had sexual intercourse) | | | | | | | | | | | | | | | 9.1 | 12.5 | 16.0 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

White*
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN109: Percentage of students who used or whose partner used Emergency Contraception (the "Morning-After Pill") after the last time they had sexual intercourse (among students who have had sexual intercourse) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 10.7 | 8.2 | 9.0 | 12.7 | | | No linear change | Not available [¶] | No change |
| QN110: Percentage of students who have been pregnant or gotten someone pregnant (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 1.7 | 3.6 | 1.4 | 0.9 | 0.6 | 0.3 | | Decreased, 2009-2019 | No change, 2009-2013 Decreased, 2013-2019 | No change |
| QN113: Percentage of students who ate vegetables one or more times per day (such as green salad, carrots, green beans, or other vegetables, not counting potatoes, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 37.8 | 41.8 | 41.5 | 37.9 | 35.5 | 39.1 | 34.0 | No linear change | No quadratic change | No change |

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

White*
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN114: Percentage of students who drank other sugar-sweetened drinks (such as sports drinks, energy drinks, fruit punch, fruit-flavored drinks, or sugar-sweetened teas, not including diet or sugar-free drinks, one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 67.1 | 65.5 | 60.8 | 57.5 | Decreased, 2013-2019 | Not available [¶] | No change |
| QN118: Percentage of students who had an episode of asthma or an asthma attack (among students who have had asthma, during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 29.9 | 20.1 | 24.3 | 26.7 | 21.9 | 30.7 | 21.6 | No linear change | No quadratic change | Decreased |
| QN119: Percentage of students who usually slept in the home of a friend, family member, or other person because they had to leave their home or their parent or guardian could not afford housing (during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 4.3 | 4.2 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

White*
Site-Added

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2017-2019[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019

QN120: Percentage of students who have ever slept away from their parents or guardians because they were kicked out, ran away, or were abandoned (during the 12 months before the survey)

7.2 9.1 No linear change Not available[¶] No change

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Black*
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN12: Percentage of students who carried a weapon (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 16.7 | 21.6 | 19.3 | 16.2 | 17.4 | 12.4 | 12.1 | 8.9 | 7.7 | 8.5 | 7.5 | 7.3 | Decreased, 1997-2019 | No quadratic change | No change |
| QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 4.2 | 4.1 | No linear change | Not available [¶] | No change |
| QN15: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 9.1 | 8.0 | 7.6 | 8.8 | 10.0 | 5.8 | 10.6 | 9.0 | 8.9 | 5.4 | 8.4 | 7.8 | 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.

[¶]Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Black*
Injury and Violence**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|--|---------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN16: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 8.4 | 10.2 | 11.1 | 9.5 | 7.6 | 6.9 | 7.4 | 7.3 | 6.6 | 6.0 | 7.9 | 8.0 | Decreased, 1997-2019 | No quadratic change | No change |
| QN17: Percentage of students who were in a physical fight (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 38.6 | 39.7 | 43.5 | 41.2 | 37.9 | 37.9 | 36.3 | 33.1 | 31.0 | 27.3 | 28.8 | 27.5 | Decreased, 1997-2019 | No change, 1997-2005 Decreased, 2005-2019 | No change |
| QN21: Percentage of students who experienced sexual dating violence (being forced by someone they were dating or going out with to do sexual things [counting such things as kissing, touching, or being physically forced to have sexual intercourse] that they did not want to, one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 11.2 | 10.4 | 13.3 | 5.3 | Decreased, 2013-2019 | Not available [¶] | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Black*
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | | No linear change | Not available [¶] | No change |
| | | | | | | | | 11.3 | 11.0 | 10.0 | 9.7 | | | | | | |
| QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey) | | | | | | | | | | | | | | | Increased, 2009-2019 | No quadratic change | No change |
| | | | | | | | | 8.8 | 10.1 | 12.5 | 13.6 | 14.5 | 17.9 | | | | |
| QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media, ever during the 12 months before the survey) | | | | | | | | | | | | | | | Increased, 2011-2019 | Not available | No change |
| | | | | | | | | 10.3 | 8.9 | 11.1 | 11.8 | 14.2 | | | | | |

*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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Black*
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN25: Percentage of students who felt sad or hopeless (almost every day for >=2 weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 27.0 | 29.2 | 30.0 | 29.7 | 27.3 | 25.3 | 25.5 | 25.2 | 27.8 | 30.1 | 33.6 | | No linear change | Decreased, 1999-2013 Increased, 2013-2019 | Increased |
| QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 15.5 | 9.5 | 13.8 | 12.5 | 16.1 | 10.2 | 12.4 | 10.9 | 11.7 | 13.9 | 15.7 | 15.6 | No linear change | No change, 1997-2011 Increased, 2011-2019 | No change |
| QN28: Percentage of students who attempted suicide (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 7.7 | 3.4 | 6.2 | 8.2 | 9.8 | 6.5 | 9.9 | 9.4 | 7.3 | 8.3 | 11.8 | 10.2 | Increased, 1997-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Black*
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN29: Percentage of students who had a suicide attempt that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 2.9 | 1.9 | 0.8 | 2.4 | 2.7 | 2.0 | 3.5 | 3.0 | 2.6 | 2.8 | 3.1 | 3.5 | Increased, 1997-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Black*
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|--|---------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN30: Percentage of students who ever tried cigarette smoking (even one or two puffs) | | | | | | | | | | | | | | | | | |
| | | 56.0 | 60.2 | 54.9 | 47.4 | 50.4 | 39.5 | 28.9 | 21.5 | 21.0 | 17.1 | 7.8 | 6.9 | Decreased, 1997-2019 | Decreased, 1997-2005 Decreased, 2005-2019 | No change | |
| QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | 13.6 | 16.3 | 10.8 | 9.2 | 7.3 | 3.0 | 3.8 | 4.0 | 4.0 | 3.3 | 2.9 | 1.9 | Decreased, 1997-2019 | No quadratic change | No change | |
| QNFRCIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | 4.1 | 4.2 | 2.9 | 2.6 | 1.4 | 0.6 | 0.7 | 0.9 | 1.2 | 0.8 | 0.4 | 0.5 | Decreased, 1997-2019 | No quadratic change | No change | |
| QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | 3.3 | 3.3 | 2.1 | 2.3 | 1.2 | 0.4 | 0.6 | 0.7 | 1.0 | 0.7 | 0.4 | 0.2 | Decreased, 1997-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Black*
Tobacco Use**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|---------------------------------------|------------------|--|--|----------------------------|--|--|-----------|--|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | |
| QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | 10.6 | 10.7 | 10.7 | 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 | 1.2 | 0.9 | No linear change | | | Not available | | | No change | | |
| QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | 0.7 | 0.9 | 0.8 | 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) | | | | | | | | | | | | | | | 12.7 | 11.9 | 11.9 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Black*
Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN38: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 5.9 | 4.2 | 4.4 | 5.3 | No linear change | Not available [¶] | No change |
| QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 8.3 | 5.9 | 5.8 | 6.0 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Black*

Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|--|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 20.9 | 18.8 | 20.5 | No linear change | Not available [¶] | No change |
| QN41: Percentage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 32.9 | 26.0 | 35.7 | 29.2 | 29.0 | 26.1 | 28.6 | 29.1 | 23.5 | 18.6 | 13.6 | 17.3 | Decreased, 1997-2019 | No change, 1997-2011 Decreased, 2011-2019 | Increased |
| QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students, within a couple of hours, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 2.2 | 7.3 | Increased, 2017-2019 | Not available | Increased |

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Black*
Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|--|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN46: Percentage of students who tried marijuana for the first time before age 13 years | | | | | | | | | | | | | | | | | |
| | | 9.8 | 7.5 | 10.4 | 9.1 | 7.3 | 7.3 | 8.7 | 7.3 | 8.0 | 6.6 | 6.3 | 7.9 | | No linear change | No quadratic change | No change |
| QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | 17.1 | 19.1 | 19.4 | 17.2 | 13.7 | 13.3 | 17.1 | 18.0 | 16.8 | 17.4 | 15.4 | 20.0 | | No linear change | No change, 1997-2005 Increased, 2005-2019 | Increased |
| QN48: Percentage of students who ever used synthetic marijuana (one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 4.3 | 4.4 | 8.4 | | Increased, 2015-2019 | Not available [¶] | Increased |
| QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | 2.6 | 1.1 | 1.0 | 1.4 | 2.9 | 1.7 | 3.1 | 2.4 | 2.5 | 2.5 | 2.7 | 4.7 | | Increased, 1997-2019 | No quadratic change | Increased |

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Black*

Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | | 0.3 | 0.6 | 1.2 | 1.8 | 0.8 | 1.9 | 2.4 | 2.2 | 1.6 | 3.4 | 5.1 | Increased, 1999-2019 | No quadratic change | No change |
| QN56: Percentage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their body, one or more times during their life) | | | | | | | | | | | | | | | | | |
| | | | 1.0 | 0.6 | 1.0 | 0.9 | 1.8 | 1.4 | 2.1 | 2.0 | 1.9 | 1.8 | 2.7 | 3.4 | Increased, 1997-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Black*
Sexual Behaviors**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|--|---------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN58: Percentage of students who ever had sexual intercourse | | | | | | | | | | | | | | | | | |
| | | | 59.0 | 60.2 | 60.2 | 59.2 | 59.1 | 56.6 | 50.7 | 45.7 | 37.4 | 32.6 | 32.0 | 29.1 | Decreased, 1997-2019 | No change, 1997-2007 Decreased, 2007-2019 | No change |
| QN59: Percentage of students who had sexual intercourse for the first time before age 13 years | | | | | | | | | | | | | | | | | |
| | | | 18.3 | 14.4 | 19.5 | 17.3 | 16.0 | 13.4 | 13.2 | 9.0 | 7.6 | 7.0 | 5.8 | 4.4 | Decreased, 1997-2019 | No change, 1997-2007 Decreased, 2007-2019 | No change |
| QN60: Percentage of students who had sexual intercourse with four or more persons during their life | | | | | | | | | | | | | | | | | |
| | | | 26.0 | 22.4 | 25.0 | 25.7 | 24.5 | 22.6 | 21.5 | 17.6 | 14.3 | 11.2 | 9.0 | 8.1 | Decreased, 1997-2019 | No change, 1997-2007 Decreased, 2007-2019 | No change |
| QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 40.7 | 42.7 | 40.8 | 42.2 | 35.4 | 39.4 | 35.3 | 30.3 | 23.7 | 22.4 | 18.8 | 17.7 | Decreased, 1997-2019 | No change, 1997-2007 Decreased, 2007-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Black*
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|--|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 19.9 | 8.3 | 11.6 | 12.8 | 11.2 | 12.3 | 17.3 | 15.4 | 17.6 | 21.1 | 12.4 | 17.0 | Increased, 1997-2019 | No quadratic change | No change |
| QN63: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 74.7 | 67.1 | 78.1 | 83.3 | 72.5 | 76.2 | 75.8 | 71.2 | 72.4 | 67.2 | 58.7 | 49.1 | Decreased, 1997-2019 | Increased, 1997-2003 Decreased, 2003-2019 | No change |
| QN64: Percentage of students who used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 6.4 | 9.0 | 6.2 | 3.7 | 11.3 | 5.5 | 5.2 | 6.8 | 7.7 | 9.0 | 10.8 | 7.4 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Black*
Sexual Behaviors**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|---------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNIUDIMP: Percentage of students who used an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 1.7 | 0.7 | 2.5 | 3.4 | No linear change | Not available [¶] | No change |
| QNSHPARG: Percentage of students who used a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 5.2 | 7.0 | 5.4 | 3.5 | No linear change | Not available | No change |
| QNOTHHPL: Percentage of students who used birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 14.5 | 16.7 | 18.7 | 14.4 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Black*
Sexual Behaviors**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|---------------------------------------|------|----------------------|------|------------------|----------------------------|------|---------------------|-----------|------|----------------------|--|--|---------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | | | | | | |
| QNDUALBC: Percentage of students who used both a condom during last sexual intercourse and birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | 6.9 | 7.2 | 4.6 | 2.2 | Decreased, 2013-2019 | | | Not available [¶] | | | No change | | | | | | |
| QNBCNONE: Percentage of students who did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | 9.5 | 13.4 | 10.6 | 8.4 | 12.4 | 13.7 | 14.1 | 15.6 | 16.9 | 14.6 | 25.1 | 26.5 | Increased, 1997-2019 | | | No quadratic change | No change |
| QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) | | | | | | | | | | | | | | | 23.4 | 27.5 | 25.0 | 26.6 | 21.7 | 23.2 | No linear change | | | No quadratic change | | | No change | | | | |

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Black*

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNOWT: Percentage of students who were overweight (\geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [†] | | | | | | | | | | | | | | | | | |
| | | | | 16.8 | 15.2 | 16.7 | 16.1 | 17.3 | 19.0 | 16.0 | 18.5 | 17.7 | 17.4 | 17.3 | No linear change | No quadratic change | No change |
| QNOBESE: Percentage of students who had obesity (\geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [†] | | | | | | | | | | | | | | | | | |
| | | | | 10.1 | 11.7 | 14.9 | 11.8 | 12.5 | 12.6 | 13.8 | 14.0 | 14.1 | 16.1 | 17.2 | Increased, 1999-2019 | No quadratic change | No change |
| QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 12.3 | 11.2 | 14.0 | 17.4 | 16.8 | 19.2 | 19.4 | 20.4 | 22.1 | 23.3 | 30.3 | Increased, 1999-2019 | No quadratic change | Increased |
| QN70: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 23.8 | 27.3 | 25.5 | 25.1 | 21.8 | 24.3 | 22.6 | 22.5 | 22.7 | 25.6 | 28.0 | No linear change | Decreased, 1999-2013 Increased, 2013-2019 | 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, $p < 0.05$.

[¶]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Black*

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 5.2 | 5.1 | 6.7 | 8.3 | 7.2 | 8.3 | 8.0 | 7.1 | 8.4 | 11.2 | 13.1 | Increased, 1999-2019 | No quadratic change | No change |
| QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 58.8 | 58.4 | 62.9 | 58.1 | 58.8 | 56.0 | 56.5 | 56.3 | 53.0 | 52.1 | 45.3 | Decreased, 1999-2019 | Decreased, 1999-2015 Decreased, 2015-2019 | Decreased |
| QNFR2: Percentage of students who ate fruit or drank 100% fruit juices two or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 38.2 | 37.9 | 40.1 | 34.5 | 31.2 | 33.5 | 33.3 | 30.7 | 32.2 | 28.1 | 25.1 | Decreased, 1999-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Black*

Weight Management and Dietary Behaviors

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2017-2019[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019

QN75: Percentage of students who did not drink a can, bottle, or glass of soda or pop (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey)

22.2 18.3 25.6 27.0 25.6 31.6 35.0 Increased, 2007-2019 No quadratic change No change

QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey)

22.7 24.8 22.4 15.7 19.8 18.9 14.8 Decreased, 2007-2019 No quadratic change Decreased

QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey)

15.1 18.5 14.9 10.9 14.2 12.2 10.8 Decreased, 2007-2019 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, $p < 0.05$.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Black*
Physical Activity**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|---------------------------------------|------|------|----------------------|--|--|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | |
| QN78: 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) | | | | | | | | | | | | | | | 39.6 | 37.8 | 43.8 | 40.6 | 33.5 | No linear change | | | Not available [¶] | Decreased |
| QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | 20.2 | 19.1 | 21.5 | 19.1 | 24.7 | Increased, 2011-2019 | | | Not available | Increased |
| QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | 21.0 | 21.4 | 24.6 | 21.5 | 16.2 | Decreased, 2011-2019 | | | Not available | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Black*
Physical Activity**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN79: Percentage of students who watched television 3 or more hours per day (on an average school day) | | | | | | | | | | | | | | | | | |
| | | | | 73.5 | 71.7 | 72.2 | 65.1 | 61.5 | 56.0 | 49.7 | 42.2 | 37.1 | 29.0 | 26.8 | Decreased, 1999-2019 | Decreased, 1999-2009 Decreased, 2009-2019 | No change |
| QN80: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 33.6 | 42.8 | 46.3 | 40.9 | 44.5 | 43.8 | 40.4 | Increased, 2007-2019 | Increased, 2007-2011 Decreased, 2011-2019 | No change |
| QN81: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school) | | | | | | | | | | | | | | | | | |
| | | | 81.3 | 88.5 | 85.3 | 89.6 | 82.7 | 78.1 | 82.1 | 81.3 | 85.5 | 82.7 | 82.9 | 83.3 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

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Physical Activity

Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2017-2019[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019

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

47.8 59.3 44.9 50.6 42.0 40.8 38.9 45.5 41.6 41.4 30.4 37.2 Decreased, 1997-2019 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Black*
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN90: Percentage of students who live outside of Manhattan borough of New York | | | | | | | | | | | | | | | | | |
| | | | | | | | 92.5 | 92.2 | 91.6 | 94.4 | 92.4 | 92.0 | 92.1 | | No linear change | No quadratic change | No change |
| QN91: Percentage of students who reported in their home people most of the time or always speak a language other than English | | | | | | | | | | | | | | | | | |
| | | | | | | 18.6 | 19.9 | 29.1 | 30.0 | 34.8 | 32.5 | 30.3 | 31.3 | | Increased, 2005-2019 | Increased, 2005-2013 No change, 2013-2019 | No change |
| QN92: Percentage of students who are transgender | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 1.1 | 0.8 | | No linear change | Not available [¶] | No change |
| QN94: Percentage of students who think other people at school would describe them as equally feminine and masculine | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 11.7 | 13.5 | | No linear change | Not available | No change |

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Black*
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|---------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN96: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | No linear change | Not available [¶] | No change |
| | | | | | | | | 16.4 | 11.9 | 10.8 | 13.5 | 16.1 | | | | | |
| QN102: Percentage of students who have taken a 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, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | Increased, 2017-2019 | Not available | Increased |
| | | | | | | | | | | | | 7.0 | 12.5 | | | | |
| QN103: Percentage of students who have ever used ecstasy (also called MDMA, "Molly," "E," or "X," one or more times during their life) | | | | | | | | | | | | | | | No linear change | Not available | No change |
| | | | | | | | | | | | | 3.4 | 3.5 | 4.7 | | | |

*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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Black*
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|---------------------------------------|----------------------------|---------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | |
| QN104: Percentage of students who have taken a prescription benzodiazepine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as Xanax, Valium, Klonopin, or Ativan, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | 4.0 | 4.8 | No linear change | Not available [¶] | No change | |
| QN105: Percentage of students who have taken a prescription stimulant without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as Adderall, Ritalin, Concerta, or Vyvanse, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | 4.6 | 5.6 | No linear change | Not available | No change | |
| QN106: Percentage of students who did not use a method to prevent pregnancy the first time they had sexual intercourse (among students who have had sexual intercourse) | | | | | | | | | | | | | | | 16.3 | 21.0 | 24.6 | Increased, 2015-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
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Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN109: Percentage of students who used or whose partner used Emergency Contraception (the "Morning-After Pill") after the last time they had sexual intercourse (among students who have had sexual intercourse) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 6.4 | 8.9 | 10.0 | 11.6 | | | Increased, 2013-2019 | Not available [¶] | No change |
| QN110: Percentage of students who have been pregnant or gotten someone pregnant (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 5.2 | 7.0 | 2.3 | 1.7 | 1.6 | 1.7 | | Decreased, 2009-2019 | No quadratic change | No change |
| QN113: Percentage of students who ate vegetables one or more times per day (such as green salad, carrots, green beans, or other vegetables, not counting potatoes, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 22.3 | 24.5 | 26.2 | 23.6 | 20.3 | 22.8 | 18.4 | Decreased, 2007-2019 | Increased, 2007-2011 Decreased, 2011-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
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| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change [†] | Quadratic Change [†] | Change from 2017-2019 [§] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|-------------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN114: Percentage of students who drank other sugar-sweetened drinks (such as sports drinks, energy drinks, fruit punch, fruit-flavored drinks, or sugar-sweetened teas, not including diet or sugar-free drinks, one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 81.7 | 75.6 | 73.7 | 71.5 | Decreased, 2013-2019 | Not available [¶] | No change |
| QN118: Percentage of students who had an episode of asthma or an asthma attack (among students who have had asthma, during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 23.4 | 24.7 | 24.2 | 27.8 | 25.9 | 25.3 | 27.0 | No linear change | No quadratic change | No change |
| QN119: Percentage of students who usually slept in the home of a friend, family member, or other person because they had to leave their home or their parent or guardian could not afford housing (during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 5.6 | 6.7 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

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Health Risk Behavior and Percentages

Linear Change[†]

Quadratic Change[†]

Change from
2017-2019[§]

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019

QN120: Percentage of students who have ever slept away from their parents or guardians because they were kicked out, ran away, or were abandoned (during the 12 months before the survey)

8.1 13.5 Increased, 2017-2019 Not available[¶] Increased

*Non-Hispanic.

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

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

[¶]Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Hispanic Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN12: Percentage of students who carried a weapon (such as a gun, knife, or club, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 22.3 | 21.7 | 17.5 | 17.3 | 18.6 | 14.0 | 13.5 | 11.3 | 9.8 | 8.3 | 9.4 | 8.6 | Decreased, 1997-2019 | No quadratic change | No change |
| QN14: Percentage of students who carried a gun (not counting the days when they carried a gun only for hunting or for a sport such as target shooting, on at least 1 day during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 4.3 | 5.7 | No linear change | Not available [§] | No change |
| QN15: Percentage of students who did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 10.9 | 13.0 | 12.5 | 13.1 | 9.4 | 9.5 | 11.6 | 11.0 | 10.1 | 6.9 | 9.2 | 11.1 | Decreased, 1997-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Hispanic Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN16: Percentage of students who were threatened or injured with a weapon on school property (such as a gun, knife, or club, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 9.8 | 10.1 | 8.9 | 8.4 | 8.1 | 7.2 | 8.9 | 7.3 | 8.3 | 6.2 | 7.8 | 8.7 | Decreased, 1997-2019 | No quadratic change | No change |
| QN17: Percentage of students who were in a physical fight (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 36.5 | 42.6 | 39.5 | 39.6 | 37.0 | 37.4 | 33.8 | 32.0 | 28.4 | 23.9 | 26.6 | 22.3 | Decreased, 1997-2019 | No change, 1997-2007 Decreased, 2007-2019 | Decreased |
| QN21: Percentage of students who experienced sexual dating violence (being forced by someone they were dating or going out with to do sexual things [counting such things as kissing, touching, or being physically forced to have sexual intercourse] that they did not want to, one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 10.6 | 11.0 | 15.7 | 5.5 | Decreased, 2013-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Hispanic Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|-------------------------|------|------------------|----------------------|----------------------|----------------------------|---------------|---------------------|-----------|-----------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | | | | | | | | |
| QN22: Percentage of students who experienced physical dating violence (being physically hurt on purpose by someone they were dating or going out with [counting such things as being hit, slammed into something, or injured with an object or weapon] one or more times during the 12 months before the survey, among students who dated or went out with someone during the 12 months before the survey) | | | | | | | | | | | | | | 10.7 | 12.9 | 10.5 | 11.2 | No linear change | | | Not available [§] | | | No change | | |
| QN23: Percentage of students who were bullied on school property (ever during the 12 months before the survey) | | | | | | | | | | | | | | 12.2 | 12.7 | 14.0 | 14.0 | 14.9 | 16.1 | Increased, 2009-2019 | | | No quadratic change | | | No change |
| QN24: Percentage of students who were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media, ever during the 12 months before the survey) | | | | | | | | | | | | | | 11.1 | 11.2 | 11.3 | 13.1 | 13.3 | Increased, 2011-2019 | | | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|--|---------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | |
| QN25: Percentage of students who felt sad or hopeless (almost every day for >=2 weeks in a row so that they stopped doing some usual activities, ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | 36.7 | 36.7 | 35.5 | 37.1 | 36.7 | 33.2 | 30.2 | 31.8 | 31.2 | 34.6 | 39.2 | No linear change | Decreased, 1999-2015 Increased, 2015-2019 | Increased | |
| QN26: Percentage of students who seriously considered attempting suicide (ever during the 12 months before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | 15.1 | 15.2 | 16.6 | 13.9 | 15.2 | 14.9 | 15.8 | 12.1 | 14.2 | 14.0 | 17.5 | 15.9 | No linear change | No quadratic change | No change |
| QN28: Percentage of students who attempted suicide (one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | | |
| | | | | 9.7 | 8.7 | 10.2 | 9.8 | 10.7 | 11.6 | 12.4 | 9.4 | 10.3 | 9.3 | 11.9 | 9.4 | No linear change | No quadratic change | Decreased |

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

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

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Injury and Violence

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN29: Percentage of students who had a suicide attempt that resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 3.3 | 3.9 | 2.3 | 2.0 | 2.3 | 2.8 | 4.2 | 2.4 | 3.3 | 3.2 | 4.3 | 2.9 | No linear change | No quadratic change | Decreased |

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

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

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Hispanic Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN30: Percentage of students who ever tried cigarette smoking (even one or two puffs) | | | | | | | | | | | | | | | | | |
| | | | 62.3 | 63.5 | 59.7 | 50.3 | 48.6 | 47.5 | 40.7 | 33.6 | 30.4 | 23.2 | 18.1 | 11.3 | Decreased, 1997-2019 | Decreased, 1997-2013 Decreased, 2013-2019 | Decreased |
| QN32: Percentage of students who currently smoked cigarettes (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 22.9 | 23.4 | 16.5 | 15.3 | 11.4 | 9.4 | 11.0 | 10.3 | 9.5 | 5.3 | 5.4 | 2.7 | Decreased, 1997-2019 | No quadratic change | Decreased |
| QNFRSIG: Percentage of students who currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 7.2 | 6.9 | 4.5 | 4.1 | 2.7 | 2.7 | 2.4 | 2.3 | 2.0 | 1.2 | 0.7 | 0.6 | Decreased, 1997-2019 | No quadratic change | No change |
| QNDAYCIG: Percentage of students who currently smoked cigarettes daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 6.1 | 5.3 | 2.7 | 3.1 | 1.7 | 1.3 | 1.8 | 1.6 | 1.6 | 0.8 | 0.6 | 0.4 | Decreased, 1997-2019 | No quadratic change | No change |

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

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

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New York City High School Survey
Trend Analysis Report

Hispanic
Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN33: Percentage of students who smoked more than 10 cigarettes per day (on the days they smoked during the 30 days before the survey, among students who currently smoked cigarettes) | | | | | | | | | | | | | | | | | |
| | | | | | | 4.3 | 2.5 | 3.8 | 6.9 | 8.3 | 8.2 | 6.2 | 11.1 | 18.3 | Increased, 2003-2019 | No quadratic change | No change |
| QN35: Percentage of students who currently used an electronic vapor product (including e-cigarettes, e-cigars, e-pipes, vape pipes, vaping pens, e-hookahs, and hookah pens [such as blu, NJOY, Vuse, MarkTen, Logic, Vapin Plus, eGo, and Halo], on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 19.1 | 19.5 | 18.1 | 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) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 1.8 | 2.6 | 2.4 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Tobacco Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|----------------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNDAYEVP: Percentage of students who currently used electronic vapor products daily (on all 30 days during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 1.2 | 2.0 | 1.6 | 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) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 22.0 | 21.9 | 19.6 | No linear change | Not available | No change | |
| QN38: Percentage of students who currently smoked cigars (cigars, cigarillos, or little cigars, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 8.2 | 6.1 | 6.3 | 6.9 | No linear change | Not available | No change |
| QNTB2: Percentage of students who currently smoked cigarettes or cigars (on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 13.8 | 8.9 | 8.9 | 8.3 | Decreased, 2013-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN40: Percentage of students who had their first drink of alcohol before age 13 years (other than a few sips) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 20.2 | 19.9 | 21.2 | No linear change | Not available [§] | No change |
| QN41: Percentage of students who currently drank alcohol (at least one drink of alcohol, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | 40.8 | 39.0 | 42.6 | 38.3 | 44.0 | 41.6 | 39.9 | 36.0 | 29.9 | 24.3 | 22.4 | 22.4 | Decreased, 1997-2019 | No change, 1997-2009 Decreased, 2009-2019 | No change |
| QN42: Percentage of students who currently were binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students, within a couple of hours, on at least 1 day during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 6.9 | 10.1 | Increased, 2017-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|------------------------------------|
| | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN46: Percentage of students who tried marijuana for the first time before age 13 years | | | | 8.9 | 7.8 | 6.8 | 6.8 | 7.1 | 5.4 | 7.4 | 8.6 | 8.8 | 7.3 | 8.1 | 7.7 | No linear change | No quadratic change | No change |
| QN47: Percentage of students who currently used marijuana (one or more times during the 30 days before the survey) | | | | 15.7 | 18.5 | 15.8 | 13.7 | 12.7 | 12.0 | 17.0 | 21.2 | 19.0 | 18.3 | 19.3 | 20.2 | Increased, 1997-2019 | No change, 1997-2003 Increased, 2003-2019 | No change |
| QN48: Percentage of students who ever used synthetic marijuana (one or more times during their life) | | | | | | | | | | | | | 7.0 | 6.4 | 12.1 | Increased, 2015-2019 | Not available [§] | Increased |
| QN50: Percentage of students who ever used cocaine (any form of cocaine, including powder, crack, or freebase, one or more times during their life) | | | | 2.3 | 1.8 | 2.7 | 3.2 | 3.6 | 3.5 | 5.3 | 5.7 | 5.9 | 5.7 | 4.7 | 4.9 | Increased, 1997-2019 | Increased, 1997-2011 No change, 2011-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Alcohol and Other Drug Use

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------|-------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | |
| QN52: Percentage of students who ever used heroin (also called "smack," "junk," or "China White," one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | 0.7 | 1.2 | 1.5 | 1.3 | 1.5 | 3.1 | 3.0 | 3.2 | 3.2 | 4.2 | 5.4 | Increased, 1999-2019 | No quadratic change | No change | |
| QN56: Percentage of students who ever injected any illegal drug (used a needle to inject any illegal drug into their body, one or more times during their life) | | | | | | | | | | | | | | | | | | |
| | | | | 1.4 | 0.9 | 0.9 | 1.2 | 1.7 | 1.8 | 3.6 | 2.8 | 2.7 | 2.2 | 2.9 | 4.2 | Increased, 1997-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Hispanic Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|---------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN58: Percentage of students who ever had sexual intercourse | | | | | | | | | | | | | | | | | |
| | | | 55.1 | 52.4 | 56.2 | 51.7 | 51.4 | 53.1 | 47.2 | 46.2 | 38.1 | 33.5 | 34.5 | 32.6 | Decreased, 1997-2019 | No change, 1997-2007 Decreased, 2007-2019 | No change |
| QN59: Percentage of students who had sexual intercourse for the first time before age 13 years | | | | | | | | | | | | | | | | | |
| | | | 13.3 | 10.4 | 13.4 | 10.5 | 11.0 | 10.1 | 9.9 | 9.3 | 6.7 | 4.9 | 5.1 | 4.4 | Decreased, 1997-2019 | No change, 1997-2009 Decreased, 2009-2019 | No change |
| QN60: Percentage of students who had sexual intercourse with four or more persons during their life | | | | | | | | | | | | | | | | | |
| | | | 21.2 | 18.0 | 21.0 | 16.2 | 18.7 | 16.8 | 16.7 | 14.2 | 12.4 | 8.8 | 8.6 | 6.7 | Decreased, 1997-2019 | No change, 1997-2009 Decreased, 2009-2019 | Decreased |
| QN61: Percentage of students who were currently sexually active (had sexual intercourse with at least one person, during the 3 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | 37.6 | 34.2 | 41.2 | 35.9 | 33.2 | 37.0 | 33.1 | 30.6 | 25.4 | 23.3 | 23.7 | 22.0 | Decreased, 1997-2019 | No change, 1997-2007 Decreased, 2007-2019 | 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, $p < 0.05$.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN62: Percentage of students who drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 15.7 | 13.2 | 15.3 | 15.0 | 17.1 | 13.1 | 19.0 | 19.5 | 17.3 | 18.5 | 15.5 | 19.3 | Increased, 1997-2019 | No quadratic change | No change |
| QN63: Percentage of students who used a condom during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 68.2 | 67.9 | 64.7 | 70.9 | 69.6 | 67.5 | 66.2 | 61.3 | 65.4 | 55.5 | 52.8 | 55.4 | Decreased, 1997-2019 | No change, 1997-2003 Decreased, 2003-2019 | No change |
| QN64: Percentage of students who used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | 6.2 | 8.7 | 5.9 | 6.7 | 6.5 | 5.8 | 8.1 | 8.9 | 10.1 | 14.7 | 12.8 | 15.5 | Increased, 1997-2019 | No change, 1997-2007 Increased, 2007-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNIUDIMP: Percentage of students who used an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 2.5 | 2.0 | 5.1 | 5.0 | Increased, 2013-2019 | Not available [§] | No change |
| QNSHPARG: Percentage of students who used a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 6.2 | 4.9 | 4.8 | 5.0 | No linear change | Not available | No change |
| QNOTHHPL: Percentage of students who used birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 18.9 | 21.7 | 22.7 | 25.5 | No linear change | Not available | No change |

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Sexual Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|---------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | |
| QNDUALBC: Percentage of students who used both a condom during last sexual intercourse and birth control pills; an IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon); or a shot (such as Depo-Provera), patch (such as OrthoEvra), or birth control ring (such as NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 8.9 | 5.5 | 5.5 | 8.2 | No linear change | Not available [§] | No change | | |
| QNBCNONE: Percentage of students who did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active) | | | | | | | | | | | | | | | | | | | |
| | | | 15.8 | 15.0 | 19.3 | 14.3 | 18.7 | 18.3 | 18.8 | 14.6 | 21.0 | 21.6 | 26.1 | 23.4 | Increased, 1997-2019 | No quadratic change | No change | | |
| QN84: Percentage of students who were ever tested for human immunodeficiency virus (HIV) (not counting tests done if they donated blood) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 21.6 | 21.0 | 25.4 | 24.7 | 20.9 | 24.8 | No linear change | No quadratic change | Increased |

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

†Based on t-test analysis, p < 0.05.

§Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Hispanic

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNOWT: Percentage of students who were overweight (\geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | | | | |
| | | | | 18.9 | 18.1 | 17.3 | 17.7 | 17.6 | 18.9 | 17.3 | 18.6 | 17.8 | 19.8 | 20.5 | No linear change | No quadratic change | No change |
| QNOBESE: Percentage of students who had obesity (\geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts) [§] | | | | | | | | | | | | | | | | | |
| | | | | 10.5 | 12.0 | 16.4 | 13.4 | 13.7 | 12.1 | 14.1 | 14.6 | 15.4 | 16.0 | 16.1 | Increased, 1999-2019 | No quadratic change | No change |
| QN69: Percentage of students who did not drink fruit juice (100% fruit juices one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 11.5 | 12.5 | 13.7 | 12.2 | 16.1 | 17.6 | 18.1 | 21.7 | 26.1 | 28.8 | 31.1 | Increased, 1999-2019 | No change, 1999-2005 Increased, 2005-2019 | No change |
| QN70: Percentage of students who did not eat fruit (one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 13.5 | 18.6 | 19.4 | 17.9 | 16.0 | 21.0 | 19.4 | 19.7 | 20.0 | 20.3 | 22.6 | Increased, 1999-2019 | 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, $p < 0.05$.

[§]Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Hispanic

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|------------------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QNFR0: Percentage of students who did not eat fruit or drink 100% fruit juices (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 3.5 | 4.5 | 5.6 | 4.7 | 5.6 | 6.6 | 6.6 | 7.1 | 9.2 | 9.7 | 12.2 | Increased, 1999-2019 | No quadratic change | No change |
| QNFR1: Percentage of students who ate fruit or drank 100% fruit juices one or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 67.6 | 65.3 | 63.5 | 63.9 | 60.0 | 61.0 | 59.1 | 55.4 | 52.4 | 50.6 | 47.7 | Decreased, 1999-2019 | No quadratic change | No change |
| QNFR2: Percentage of students who ate fruit or drank 100% fruit juices two or more times per day (such as orange juice, apple juice, or grape juice, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | 39.0 | 36.6 | 39.8 | 36.5 | 34.2 | 36.3 | 35.8 | 30.1 | 27.6 | 27.2 | 22.2 | Decreased, 1999-2019 | No change, 1999-2011 Decreased, 2011-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic

Weight Management and Dietary Behaviors

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN75: Percentage of students who did not drink a can, bottle, or glass of soda or pop (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 15.0 | 19.3 | 20.3 | 25.9 | 24.6 | 28.5 | 30.5 | | Increased, 2007-2019 | No quadratic change | No change |
| QNSODA1: Percentage of students who drank a can, bottle, or glass of soda or pop one or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 27.7 | 25.9 | 24.6 | 18.6 | 16.6 | 17.1 | 13.1 | | Decreased, 2007-2019 | No quadratic change | Decreased |
| QNSODA2: Percentage of students who drank a can, bottle, or glass of soda or pop two or more times per day (such as Coke, Pepsi, or Sprite, not counting diet soda or diet pop, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 19.4 | 18.7 | 19.1 | 12.9 | 10.8 | 11.2 | 8.4 | | Decreased, 2007-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|-------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN78: 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) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 37.2 | 35.4 | 34.6 | 37.1 | 27.9 | Decreased, 2011-2019 | Not available [§] | Decreased |
| QNPA0DAY: Percentage of students who did not participate in at least 60 minutes of physical activity on at least 1 day (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 18.9 | 19.0 | 21.5 | 19.5 | 25.5 | Increased, 2011-2019 | Not available | Increased |
| QNPA7DAY: Percentage of students who were physically active at least 60 minutes per day on all 7 days (in any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 19.4 | 17.7 | 18.8 | 20.2 | 13.4 | Decreased, 2011-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

Hispanic Physical Activity

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|--|--|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | |
| QN79: Percentage of students who watched television 3 or more hours per day (on an average school day) | | | | | | | | | | | | | | | | | | |
| | | | | 67.5 | 62.0 | 59.5 | 58.8 | 51.2 | 49.0 | 42.9 | 34.1 | 30.4 | 23.9 | 19.7 | Decreased, 1999-2019 | Decreased, 1999-2009 Decreased, 2009-2019 | Decreased | |
| QN80: Percentage of students who played video or computer games or used a computer 3 or more hours per day (counting time spent on things such as Xbox, PlayStation, an iPad or other tablet, a smartphone, texting, YouTube, Instagram, Facebook, or other social media, for something that was not school work, on an average school day) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 35.4 | 41.3 | 44.9 | 42.0 | 47.0 | 44.9 | 41.5 | Increased, 2007-2019 | Increased, 2007-2011 No change, 2011-2019 | No change | |
| QN81: Percentage of students who attended physical education (PE) classes on 1 or more days (in an average week when they were in school) | | | | | | | | | | | | | | | | | | |
| | | | | 85.2 | 88.1 | 84.5 | 86.5 | 85.1 | 75.6 | 79.9 | 80.3 | 84.8 | 79.6 | 86.3 | 85.9 | No linear change | Decreased, 1997-2009 Increased, 2009-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Physical Activity

Health Risk Behavior and Percentages

Linear Change*

Quadratic Change*

Change from
2017-2019 †

1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019

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

54.2 53.7 45.7 50.6 44.9 40.4 36.9 38.4 40.9 32.3 34.5 35.5 Decreased, 1997-2019 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Other

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN86: 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) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 68.4 | 70.5 | 70.6 | No linear change | Not available [§] | No change |
| QNNODNT: Percentage of students who never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 2.4 | 1.6 | 2.4 | No linear change | Not available | No change |
| QN87: Percentage of students who had ever been told by a doctor or nurse that they had asthma | | | | | | | | | | | | | | | | | |
| | | | | | | | 23.4 | 26.0 | 27.3 | 27.5 | 29.6 | 28.2 | 28.0 | 28.6 | Increased, 2005-2019 | No quadratic change | No change |
| QN88: Percentage of students who got 8 or more hours of sleep (on an average school night) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 26.4 | 24.5 | 19.0 | Decreased, 2015-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|--|-------------------------|
| | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN90: Percentage of students who live outside of Manhattan borough of New York | | | | | | | 84.6 | 86.3 | 87.4 | 88.6 | 86.9 | 87.9 | 88.3 | | | No linear change | No quadratic change | No change |
| QN91: Percentage of students who reported in their home people most of the time or always speak a language other than English | | | | | | | 68.8 | 62.7 | 59.5 | 57.3 | 57.2 | 59.4 | 60.4 | 63.3 | | Decreased, 2005-2019 | Decreased, 2005-2011 Increased, 2011-2019 | No change |
| QN92: Percentage of students who are transgender | | | | | | | | | | | | | 1.6 | 1.7 | | No linear change | Not available [§] | No change |
| QN94: Percentage of students who think other people at school would describe them as equally feminine and masculine | | | | | | | | | | | | | 14.8 | 15.0 | | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Hispanic
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|----------------------------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN96: Percentage of students who did something to purposely hurt themselves without wanting to die (such as cutting or burning themselves on purpose one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 19.4 | 16.5 | 16.3 | 18.7 | 19.9 | | | No linear change | Not available [§] | No change |
| QN97: Percentage of students who usually got their own cigarettes by buying them in a store such as a convenience store, supermarket, or gas station (among students who smoked during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | 29.9 | 26.3 | 27.6 | 30.2 | 33.4 | 30.4 | 27.9 | | No linear change | No quadratic change | No change |
| QN102: Percentage of students who have taken a 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, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 8.6 | 13.5 | | Increased, 2017-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Hispanic
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-------------------|---------------------------------------|------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | | | |
| QN103: Percentage of students who have ever used ecstasy (also called MDMA, "Molly," "E," or "X," one or more times during their life) | | | | | | | | | | | | | | 6.0 | 5.3 | 6.3 | No linear change | Not available [§] | No change |
| QN104: Percentage of students who have taken a prescription benzodiazepine without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as Xanax, Valium, Klonopin, or Ativan, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | 5.3 | 6.3 | No linear change | Not available | No change | |
| QN105: Percentage of students who have taken a prescription stimulant without a doctor's prescription or differently than how a doctor told them to use it (counting drugs such as Adderall, Ritalin, Concerta, or Vyvanse, one or more times during the 12 months before the survey) | | | | | | | | | | | | | | 6.0 | 6.2 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey
Trend Analysis Report

Hispanic
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 † | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------|----------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN106: Percentage of students who did not use a method to prevent pregnancy the first time they had sexual intercourse (among students who have had sexual intercourse) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 19.2 | 19.7 | 23.6 | | No linear change | Not available [§] | No change |
| QN109: Percentage of students who used or whose partner used Emergency Contraception (the "Morning-After Pill") after the last time they had sexual intercourse (among students who have had sexual intercourse) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 11.3 | 11.2 | 16.3 | 16.1 | Increased, 2013-2019 | Not available | No change |
| QN110: Percentage of students who have been pregnant or gotten someone pregnant (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 6.3 | 6.4 | 2.9 | 2.8 | 2.9 | 2.0 | Decreased, 2009-2019 | 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.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

New York City High School Survey Trend Analysis Report

**Hispanic
Site-Added**

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|----------------------|---------------------------------------|-----------|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN113: Percentage of students who ate vegetables one or more times per day (such as green salad, carrots, green beans, or other vegetables, not counting potatoes, during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 23.6 | 22.7 | 23.7 | 21.4 | 20.3 | 21.5 | 19.1 | Decreased, 2007-2019 | No quadratic change | No change |
| QN114: Percentage of students who drank other sugar-sweetened drinks (such as sports drinks, energy drinks, fruit punch, fruit-flavored drinks, or sugar-sweetened teas, not including diet or sugar-free drinks, one or more times during the 7 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 76.1 | 74.2 | 72.2 | 69.0 | Decreased, 2013-2019 | Not available [§] | No change |
| QN118: Percentage of students who had an episode of asthma or an asthma attack (among students who have had asthma, during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | 28.1 | 28.5 | 25.6 | 28.5 | 22.4 | 27.7 | 24.8 | No linear change | No quadratic change | No change |

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

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[§]Not enough years of data to calculate.

2019 YOUTH RISK BEHAVIOR SURVEY RESULTS

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Hispanic
Site-Added

| Health Risk Behavior and Percentages | | | | | | | | | | | | | | Linear Change* | Quadratic Change* | Change from 2017-2019 [†] | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|----------------------------|------------------------------------|--|
| 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | | | |
| QN119: Percentage of students who usually slept in the home of a friend, family member, or other person because they had to leave their home or their parent or guardian could not afford housing (during the 30 days before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 4.2 | 6.4 | Increased, 2017-2019 | Not available [§] | No change | |
| QN120: Percentage of students who have ever slept away from their parents or guardians because they were kicked out, ran away, or were abandoned (during the 12 months before the survey) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 10.5 | 13.0 | 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.