

## Contraception at last intercourse among sexually active adults who had vaginal sex in the past 12 months by selected demographics, NYC 2018

**Table 1.** Contraception at last intercourse among sexually active women aged 18-44 who had vaginal sex in the past 12 months by selected demographics, NYC 2018

**Table 2.** Contraception at last intercourse among sexually active men aged 18-65‡ who had vaginal sex in the past 12 months by selected demographics, NYC 2018

Data Source: NYC Community Health Survey (CHS) 2018. CHS has included adults with landline phones since 2002 and, starting in 2009, also has included adults who can be reached by cell-phone. CHS 2018 data are weighted to the adult residential population per the American Community Survey, 2017. Note: data are not age-adjusted.

Data are based on self-reported response to the following questions:

Women ages 18-44 years:

1. During the past 12 months, with how many men have you had sex? By sex we mean oral, vaginal or anal sex, but not masturbation.
2. The last time you had sex, did you use a condom?
3. The last time you had vaginal sex, did you or your partner use any other method of birth control besides condoms to prevent a pregnancy?
4. What method or methods did you use?

Men ages 18-65 years:

1. During the past 12 months, with how many women have you had sex? By sex we mean oral, vaginal or anal sex, but not masturbation.
2. The last time you had sex, did you use a condom?
3. The last time you had sex with a woman, did you use a condom?
4. The last time you had vaginal sex, did you or your partner use any other method of birth control besides condoms to prevent a pregnancy?
5. What method or methods did you use?

*Comparison to EpiQuery:* [EpiQuery](#), the online data tool that DOHMH uses to provide the public with CHS data, includes indicators of contraceptive use and type among women ages 18-44. Although 2018 data are not yet included in EpiQuery, when they are added they may use the same methodology as in past years, which differs slightly from the way these tables were prepared. In these tables, respondents who had a missing response to either the question about condom use or type of birth control use were excluded from the analysis. Analysis in EpiQuery includes women who did not answer either the question about condom use or type of birth control use, as long as they answered at least one of them. In addition, the analysis in EpiQuery excludes women who reported using methods not listed and reported not using condoms during last vaginal sex.

**Table 1. Contraception at last intercourse among sexually active women aged 18-44 who had vaginal sex in the past 12 months by selected demographics, NYC 2018**

<b>Contraception type (alone or with other methods)</b>	<b>Percent</b>	<b>95% Confidence Interval</b>	<b>p values 2017 vs. 2018</b>
Any Method	56.8	53.3-60.3	0.328
Short-acting hormonal birth control <sup>1</sup>	17.5	14.9-20.3	0.147
Pill	13.1	10.9-15.7	0.246
Long-acting reversible contraceptives <sup>2</sup>	10.6	8.7-12.8	0.897
Condom	33.1	29.9-36.6	0.352
Dual contraception <sup>3</sup>	7.5	5.8-9.7	0.182
Other method	3.2	2.2-4.7	0.271
No contraception	43.2	39.7-46.7	0.328
<b>By age group</b>			
Any Method			
18-24	67.0	58.2-74.7	0.189
25-44	54.3	50.4-58.1	0.713
Short-acting hormonal birth control <sup>1</sup>			
18-24	23.2	16.7-31.2	0.062
25-44	16.0	13.4-19.1	0.648
Pill			
18-24	18.3	12.6-25.9	0.277
25-44	11.8	9.5-14.5	0.537
Long-acting reversible contraceptives <sup>2</sup>			
18-24	11.8	7.3-18.6	0.521
25-44	10.3	8.3-12.7	0.605
Condom			
18-24	45.2	36.9-53.9	0.256
25-44	30.1	26.6-33.8	0.740
Dual contraception <sup>3</sup>			
18-24	15.1	9.7-22.8	0.124
25-44	5.6	4.2-7.6	0.773
Other method			
18-24	1.9*	0.7-4.7	0.814
25-44	3.5	2.3-5.4	0.185
No contraception			
18-24	33.0	25.3-41.8	0.189
25-44	45.7	41.9-49.6	0.713

Contraception type (alone or with other methods)	Percent	95% Confidence Interval	p values 2017 vs. 2018
<b>By race/ethnicity</b>			
Any Method			
White, Non-Latino	57.1	50.2-63.7	0.335
Black, Non-Latino	50.1	42.4-57.8	<b>0.023</b>
Latino	53.8	48.3-59.3	0.561
Asian/PI, Non-Latino	77.1	68.2-84.2	0.206
Short-acting hormonal birth control <sup>1</sup>			
White, Non-Latino	17.7	12.7-24.0	0.091
Black, Non-Latino	15.6	10.8-22.1	0.323
Latino	16.1	12.5-20.4	0.630
Asian/PI, Non-Latino	21.6	14.6-30.6	0.666
Pill			
White, Non-Latino	13.6	9.4-19.3	<b>0.023</b>
Black, Non-Latino	10.3	6.4-16.2	0.324
Latino	12.0	8.9-16.0	0.274
Asian/PI, Non-Latino	20.1	13.3-29.1	0.429
Long-acting reversible contraceptives <sup>2</sup>			
White, Non-Latino	13.2	9.3-18.5	0.792
Black, Non-Latino	10.2	6.5-15.6	0.897
Latino	11.8	8.9-15.4	0.317
Asian/PI, Non-Latino	3.3*	1.2-8.2	0.095
Condom			
White, Non-Latino	27.2	21.2-34.1	0.677
Black, Non-Latino	30.2	23.6-37.8	0.093
Latino	31.2	26.4-36.4	0.441
Asian/PI, Non-Latino	58.8	48.9-68.0	0.252
Dual contraception <sup>3</sup>			
White, Non-Latino	6.7*	3.6-12.1	0.590
Black, Non-Latino	7.5	4.4-12.4	0.412
Latino	7.4	5.1-10.4	0.152
Asian/PI, Non-Latino	9.7	5.4-16.9	0.871
Other method			
White, Non-Latino	5.8*	3.1-10.5	0.370
Black, Non-Latino	1.6*	0.8-3.3	0.375
Latino	2.1*	1.2-3.9	0.181
Asian/PI, Non-Latino	3.2*	1.3-7.9	0.228
No contraception			
White, Non-Latino	42.9	36.3-49.8	0.335

<b>Contraception type (alone or with other methods)</b>	<b>Percent</b>	<b>95% Confidence Interval</b>	<b>p values 2017 vs. 2018</b>
Black, Non-Latino	49.9	42.2-57.6	<b>0.023</b>
Latino	46.2	40.7-51.7	0.561
Asian/PI, Non-Latino	22.9	15.8-31.8	0.206
<b>By education</b>			
Any Method			
< HS Grad	54.7	44.9-64.2	<b>0.023</b>
HS Grad	51.4	43.6-59.1	0.705
Some College	55.1	48.0-62.1	<b>0.034</b>
College grad +	61.9	56.5-67.0	0.355
Short-acting hormonal birth control <sup>1</sup>			
< HS Grad	13.6	8.2-21.7	0.298
HS Grad	13.0	8.2-19.9	0.823
Some College	18.8	13.8-24.9	0.151
College grad +	20.6	16.6-25.4	0.144
Pill			
< HS Grad	8.8*	4.7-15.8	0.155
HS Grad	8.1*	4.4-14.5	0.960
Some College	15.4	10.8-21.4	0.932
College grad +	16.1	12.5-20.4	<b>0.045</b>
Long-acting reversible contraceptives <sup>2</sup>			
< HS Grad	7.0*	3.7-13.0	0.746
HS Grad	9.2	5.7-14.6	0.607
Some College	8.7	5.7-13.1	0.201
College grad +	13.8	10.5-17.9	0.361
Condom			
< HS Grad	34.7	26.0-44.5	0.236
HS Grad	31.6	24.8-39.3	0.336
Some College	35.5	28.9-42.7	0.793
College grad +	32.0	27.0-37.4	0.218
Dual contraception <sup>3</sup>			
< HS Grad	2.2*	1.0-5.2	0.541
HS Grad	5.9*	3.0-11.3	0.271
Some College	10.1	6.6-15.3	0.447
College grad +	8.7	5.9-12.5	0.649
Other method			
< HS Grad	1.7*	0.5-5.9	0.294
HS Grad	3.5*	1.4-8.3	0.877

Contraception type (alone or with other methods)	Percent	95% Confidence Interval	p values 2017 vs. 2018
Some College	2.3*	1.0-5.0	0.313
College grad +	4.1	2.4-7.0	<b>0.022</b>
No contraception			
< HS Grad	45.3	35.8-55.1	<b>0.023</b>
HS Grad	48.6	40.9-56.4	0.705
Some College	44.9	37.9-52.0	<b>0.034</b>
College grad +	38.1	33.0-43.5	0.355
<b>By Borough</b>			
Any Method			
Bronx	53.5	46.1-60.8	0.853
Brooklyn	53.3	46.9-59.5	0.532
Manhattan	66.7	58.7-73.9	0.945
Queens	56.5	49.5-63.2	0.381
Staten Island	47.7*	29.9-66.1	0.477
Short-acting hormonal birth control <sup>1</sup>			
Bronx	20.9	15.5-27.6	0.558
Brooklyn	15.2	11.2-20.3	0.954
Manhattan	20.7	14.7-28.3	0.067
Queens	15.1	10.7-20.9	0.092
Staten Island	16.3*	6.1-36.8	0.181
Pill			
Bronx	15.6	10.8-21.8	0.562
Brooklyn	12.1	8.5-16.9	0.583
Manhattan	12.1	7.8-18.3	<b>0.009</b>
Queens	13.1	9.0-18.9	0.600
Staten Island	^	--	—
Long-acting reversible contraceptives <sup>2</sup>			
Bronx	8.3	5.6-12.3	0.445
Brooklyn	10.8	7.4-15.4	0.888
Manhattan	16.4	11.1-23.4	0.568
Queens	7.5	5.1-10.9	0.900
Staten Island	^	--	—
Condom			
Bronx	28.6	22.6-35.3	0.215
Brooklyn	30.7	25.1-36.9	0.262
Manhattan	35.7	28.1-44.1	0.416
Queens	37.1	30.5-44.1	0.671

<b>Contraception type (alone or with other methods)</b>	<b>Percent</b>	<b>95% Confidence Interval</b>	<b>p values 2017 vs. 2018</b>
Staten Island	31.6*	16.9-51.1	0.430
Dual contraception <sup>3</sup>			
Bronx	6.2	3.8-9.9	0.062
Brooklyn	6.4	4.0-10.2	0.386
Manhattan	10.3	6.1-16.7	0.789
Queens	6.6	3.8-11.1	0.426
Staten Island	^	--	—
Other method			
Bronx	2.0*	0.9-4.3	0.495
Brooklyn	3.0	1.7-5.2	0.963
Manhattan	4.2*	1.8-9.6	0.276
Queens	3.4*	1.5-7.6	0.109
Staten Island	^	--	—
No contraception			
Bronx	46.5	39.2-53.9	0.853
Brooklyn	46.7	40.5-53.1	0.532
Manhattan	33.3	26.1-41.3	0.945
Queens	43.5	36.8-50.5	0.381
Staten Island	52.3*	33.9-70.1	0.477

Confidence Intervals are a measure of estimate precision: the wider the CI, the more imprecise the estimate.

Bold p-values are significant at the 0.05 level.

\*Estimate should be interpreted with caution. Estimate's Relative Standard Error (a measure of estimate precision) is greater than 30%, or the 95% Confidence Interval half-width is greater than 10 or the sample size is too small, making the estimate potentially unreliable.

^ Data are suppressed due to imprecise and unreliable estimates.

<sup>1</sup> Short-acting hormonal birth control (SHBC) includes the birth control pill, Depo-Provera, patch, ring, and emergency contraception.

<sup>2</sup> Long-acting reversible contraceptives (LARC) includes intrauterine device (IUD) and implant.

<sup>3</sup> Dual contraception defined as use of SHBC/LARC/sterilization with condom.

**Table 2. Contraception at last intercourse among sexually active men aged 18-65‡ who had vaginal sex in the past 12 months by selected demographics, NYC 2018**

<b>Contraception type (alone or with other methods)</b>	<b>Percent</b>	<b>95% Confidence Interval</b>	<b>p values 2017 vs. 2018</b>
Any Method	51.1	48.1-54.1	0.181
Short-acting hormonal birth control <sup>1</sup>	14.5	12.6-16.8	0.722
Pill	11.8	10.1-13.9	0.743
Long-acting reversible contraceptives <sup>2</sup>	4.5	3.4-6.0	0.244
Condom	34.6	31.8-37.5	0.805
Dual contraception <sup>3</sup>	5.9	4.7-7.4	0.631
Other method	3.3	2.5-4.3	0.660
No contraception	48.9	45.9-51.9	0.181
<b>By age group</b>			
Any Method			
18-24	79.0	70.7-85.4	0.672
25-44	57.0	52.7-61.2	0.165
45-65	33.3	29.1-37.8	0.446
Short-acting hormonal birth control <sup>1</sup>			
18-24	28.0	21.0-36.4	0.683
25-44	17.9	14.9-21.4	0.455
45-65	5.2	3.5-7.7	0.431
Pill			
18-24	21.9	15.7-29.8	0.932
25-44	14.3	11.7-17.5	0.919
45-65	4.9	3.2-7.4	0.627
Long-acting reversible contraceptives <sup>2</sup>			
18-24	4.6*	1.8-11.1	0.303
25-44	7.0	5.0-9.7	0.185
45-65	1.1*	0.6-2.0	0.244
Condom			
18-24	60.4	51.5-68.6	0.692
25-44	34.9	30.8-39.1	0.873
45-65	25.4	21.5-29.7	0.137
Dual contraception <sup>3</sup>			
18-24	17.4	11.9-24.7	0.997
25-44	6.3	4.6-8.5	0.811
45-65	1.4*	0.7-2.7	0.542
Other method			

<b>Contraception type (alone or with other methods)</b>	<b>Percent</b>	<b>95% Confidence Interval</b>	<b>p values 2017 vs. 2018</b>
18-24	3.4*	1.4-8.0	0.960
25-44	3.4	2.3-5.1	0.464
45-65	3.1	2.1-4.6	0.910
No contraception			
18-24	21.0	14.6-29.3	0.672
25-44	43.0	38.8-47.3	0.165
45-65	66.7	62.2-70.9	0.446
<b>By race/ethnicity</b>			
Any Method			
White, Non-Latino	48.2	43.2-53.2	0.698
Black, Non-Latino	42.8	36.3-49.6	0.101
Latino	57.4	52.0-62.6	<b>&lt; 0.001</b>
Asian/PI, Non-Latino	61.1	52.1-69.3	0.586
Short-acting hormonal birth control <sup>1</sup>			
White, Non-Latino	17.1	13.6-21.3	0.648
Black, Non-Latino	11.2	7.6-16.3	0.401
Latino	15.4	11.9-19.6	0.131
Asian/PI, Non-Latino	9.9	6.4-15.0	0.294
Pill			
White, Non-Latino	16.3	12.8-20.4	0.477
Black, Non-Latino	7.8	4.9-12.0	0.091
Latino	10.6	7.8-14.1	0.895
Asian/PI, Non-Latino	7.1	4.3-11.5	0.480
Long-acting reversible contraceptives <sup>2</sup>			
White, Non-Latino	7.0	4.7-10.2	0.071
Black, Non-Latino	3.0*	1.3-7.0	0.263
Latino	3.8	2.3-6.4	0.299
Asian/PI, Non-Latino	^	--	—
Condom			
White, Non-Latino	24.6	20.5-29.2	0.174
Black, Non-Latino	30.6	24.9-36.9	0.171
Latino	44.6	39.3-50.0	<b>0.001</b>
Asian/PI, Non-Latino	49.7	40.8-58.7	0.645
Dual contraception <sup>3</sup>			
White, Non-Latino	4.6	2.8-7.3	0.470
Black, Non-Latino	4.3	2.6-7.0	0.119
Latino	9.2	6.5-12.8	0.120



Contraception type (alone or with other methods)	Percent	95% Confidence Interval	p values 2017 vs. 2018
Asian/PI, Non-Latino	3.4*	1.8-6.5	0.158
Other method			
White, Non-Latino	4.1	2.8-6.1	0.674
Black, Non-Latino	2.3*	1.2-4.4	0.994
Latino	2.8*	1.5-5.1	0.967
Asian/PI, Non-Latino	3.4*	1.5-7.4	0.980
No contraception			
White, Non-Latino	51.8	46.8-56.8	0.698
Black, Non-Latino	57.2	50.4-63.7	0.101
Latino	42.6	37.4-48.0	<b>&lt; 0.001</b>
Asian/PI, Non-Latino	38.9	30.7-47.9	0.586
<b>By education</b>			
Any Method			
< HS Grad	52.4	44.2-60.6	<b>0.001</b>
HS Grad	44.6	38.8-50.6	0.149
Some College	49.4	43.1-55.7	0.880
College grad +	56.6	51.8-61.2	0.179
Short-acting hormonal birth control <sup>1</sup>			
< HS Grad	8.9	5.3-14.5	0.080
HS Grad	12.2	9.0-16.4	1.000
Some College	15.5	11.3-20.9	0.437
College grad +	18.3	14.8-22.4	0.729
Pill			
< HS Grad	5.6*	3.0-10.4	0.054
HS Grad	9.2	6.6-12.8	0.555
Some College	12.3	8.7-17.2	0.241
College grad +	16.4	13.0-20.4	0.965
Long-acting reversible contraceptives <sup>2</sup>			
< HS Grad	1.9*	0.5-6.3	0.432
HS Grad	3.1*	1.6-6.0	0.594
Some College	3.6*	1.8-7.3	0.450
College grad +	7.4	5.1-10.6	<b>0.015</b>
Condom			
< HS Grad	45.3	37.2-53.6	<b>0.001</b>
HS Grad	33.9	28.6-39.7	0.231
Some College	34.6	28.9-40.9	0.704
College grad +	30.4	26.1-35.1	0.614

<b>Contraception type (alone or with other methods)</b>	<b>Percent</b>	<b>95% Confidence Interval</b>	<b>p values 2017 vs. 2018</b>
Dual contraception <sup>3</sup>			
< HS Grad	5.5*	2.8-10.4	0.056
HS Grad	6.2	4.1-9.5	0.734
Some College	7.8	4.9-12.2	0.228
College grad +	4.6	3.2-6.8	0.950
Other method			
< HS Grad	^	--	—
HS Grad	1.6*	0.8-3.0	0.226
Some College	3.5	2.0-6.0	0.141
College grad +	5.1	3.5-7.3	0.309
No contraception			
< HS Grad	47.6	39.4-55.8	<b>0.001</b>
HS Grad	55.4	49.4-61.2	0.149
Some College	50.6	44.3-56.9	0.880
College grad +	43.4	38.8-48.2	0.179
<b>By Borough</b>			
Any Method			
Bronx	48.3	41.7-55.1	0.538
Brooklyn	50.6	45.3-55.9	0.843
Manhattan	61.9	55.0-68.3	0.091
Queens	50.3	44.5-56.1	0.325
Staten Island	31.3*	20.9-43.9	0.488
Short-acting hormonal birth control <sup>1</sup>			
Bronx	12.1	8.4-17.1	0.912
Brooklyn	11.7	8.8-15.5	0.179
Manhattan	22.0	16.7-28.4	0.474
Queens	14.8	11.1-19.4	0.256
Staten Island	9.4*	4.3-19.3	0.692
Pill			
Bronx	8.7	5.8-12.9	0.699
Brooklyn	10.1	7.5-13.5	0.157
Manhattan	19.1	14.0-25.3	0.793
Queens	11.5	8.3-15.6	0.503
Staten Island	7.2*	2.8-17.5	0.726
Long-acting reversible contraceptives <sup>2</sup>			
Bronx	2.8*	1.3-6.0	0.752
Brooklyn	3.5	1.9-6.1	0.522

<b>Contraception type (alone or with other methods)</b>	<b>Percent</b>	<b>95% Confidence Interval</b>	<b>p values 2017 vs. 2018</b>
Manhattan	6.4	3.7-11.0	0.307
Queens	6.0	3.6-9.7	0.096
Staten Island	^	--	—
<b>Condom</b>			
Bronx	36.9	30.6-43.6	0.414
Brooklyn	37.7	32.7-42.9	0.537
Manhattan	38.2	31.4-45.6	0.400
Queens	31.6	26.5-37.2	0.339
Staten Island	18.7*	10.6-30.7	0.333
<b>Dual contraception<sup>3</sup></b>			
Bronx	5.1	3.2-8.2	0.968
Brooklyn	6.3	4.2-9.2	0.815
Manhattan	8.7	5.4-13.7	0.509
Queens	4.8	3.0-7.8	0.349
Staten Island	^	--	—
<b>Other method</b>			
Bronx	1.7*	0.7-3.8	0.533
Brooklyn	4.0	2.6-6.3	0.343
Manhattan	4.0*	2.2-7.1	0.615
Queens	2.8*	1.5-5.0	0.851
Staten Island	4.4*	1.7-10.9	0.931
<b>No contraception</b>			
Bronx	51.7	44.9-58.3	0.538
Brooklyn	49.4	44.1-54.7	0.843
Manhattan	38.1	31.7-45.0	0.091
Queens	49.7	43.9-55.5	0.325
Staten Island	68.7*	56.1-79.1	0.488

Confidence Intervals are a measure of estimate precision: the wider the CI, the more imprecise the estimate.

Bold p-values are significant at the 0.05 level.

\*Estimate should be interpreted with caution. Estimate's Relative Standard Error (a measure of estimate precision) is greater than 30%, or the 95% Confidence Interval half-width is greater than 10 or the sample size is too small, making the estimate potentially unreliable.

^ Data are suppressed due to imprecise and unreliable estimates.

‡ Female sex partners may be of any age

<sup>1</sup> Short-acting hormonal birth control (SHBC) includes the birth control pill, Depo-Provera, patch, ring, and emergency contraception.

<sup>2</sup> Long-acting reversible contraceptives (LARC) includes intrauterine device (IUD) and implant.

<sup>3</sup> Dual contraception defined as use of SHBC/LARC/sterilization with condom.

## **Contraception at Last Intercourse Among Sexually Active New York City Public High School Students, by age, grade, Neighborhood Health Action Center area of school, borough of school, race/ethnicity and sex, New York City, 2017**

**Table 1.** Contraception at Last Intercourse among Sexually Active New York City Public High School Students, Youth Risk Behavior Survey (YRBS) 2017

**Table 2.** Percent of Sexually Active New York City Public High School Students Who Used a Condom at Last Intercourse, Youth Risk Behavior Survey (YRBS) 2017

**Table 3.** Percent of Sexually Active New York City Public High School Students Who Used Hormonal or Long-Acting Reversible Contraception (LARC) at Last Intercourse, Youth Risk Behavior Survey (YRBS) 2017

**Table 4.** Percent of Sexually Active New York City Public High School Students Who Used the Birth Control Pill at Last Intercourse, Youth Risk Behavior Survey (YRBS) 2017

**Table 5.** Percent of Sexually Active New York City Public High School Students Who Used Dual Contraception at Last Intercourse, Youth Risk Behavior Survey (YRBS) 2017

**Data Source:** The NYC Youth Risk Behavior Survey (YRBS), conducted in collaboration by the Health Department and the NYC Department of Education, is an anonymous, biennial, self-administered survey of NYC public high school students in grades 9 to 12. Data are weighted to the NYC public high school student population. The NYC YRBS is conducted every two years and was last completed in 2017. The 2017 data are included here, as they still represent the most recently available data. 2019 is the next year of YRBS data collection.

Data are based on self-reported response to the following questions:

1. During the past 3 months, with how many people did you have sexual intercourse?
2. The last time you had sexual intercourse, did you or your partner use a condom?
3. The last time you had sexual intercourse, what one method did you or your partner use to prevent pregnancy?
4. Did you or your partner use Emergency Contraception (the "Morning-After Pill") after the last time you had sexual intercourse?

*Comparison to EpiQuery:* [EpiQuery](#), the online data tool that DOHMH uses to provide YRBS data to the public, includes indicators of condom use and method of contraception. The methodology used in EpiQuery differs slightly from the way these tables were prepared. The EpiQuery analysis is based solely on question 2 from the above list and does not take into account questions on condom or Emergency Contraception use at last intercourse. Further, analysis on EpiQuery combines the “withdrawal” method into a separate “other” contraception category, whereas the tables below showing the mutually exclusive categories do not.

**Table 1. Contraception at Last Intercourse among Sexually Active<sup>1</sup> New York City Public High School Students, Youth Risk Behavior Survey (YRBS) 2017**

	<b>Percent</b>	<b>95% Confidence Interval</b>
<b>All</b>		
Condom, alone or with other methods	57.2	54.1-60.3
Hormonal birth control (HBC) or LARC, alone or with other methods <sup>2,3</sup>	30.2	26.8-33.8
Birth control pill, alone or with other methods	13.7	11.6-16.2
Emergency contraception, alone or with other methods	12.5	10.4-15.1
<b>Mutually exclusive categories:</b>		
Condom, no hormonal birth control (HBC) or LARC <sup>3</sup>	45.8	42.3-49.3
Hormonal birth control (HBC) or LARC, no condom <sup>2,3</sup>	18.7	16.6-21.0
Dual contraception: condom + HBC/LARC <sup>3</sup>	11.5	9.4-14.0
Withdrawal/other only	3.8	2.6-5.4
No contraception	20.3	18.0-22.8
<b>Females</b>		
Condom, alone or with other methods	50.9	46.7-55.0
Hormonal birth control (HBC) or LARC, alone or with other methods <sup>2,3</sup>	33.7	29.7-38.0
Birth control pill, alone or with other methods	13.8	10.5-17.9
Emergency contraception, alone or with other methods	14.4	10.8-19.1
<b>Mutually exclusive categories:</b>		
Condom, no hormonal birth control (HBC) or LARC <sup>3</sup>	39.3	34.7-44.1
Hormonal birth control (HBC) or LARC, no condom <sup>2,3</sup>	22.1	19.3-25.3
Dual contraception: condom + HBC/LARC <sup>3</sup>	11.6	8.9-14.9
Withdrawal/other only	3.2	1.9-5.5
No contraception	23.8	21.3-26.5
<b>Males</b>		
Condom, alone or with other methods	65.7	61.7-69.5
Hormonal birth control (HBC) or LARC, alone or with other methods <sup>2,3</sup>	25.7	21.1-30.9
Birth control pill, alone or with other methods	13.5	10.1-17.9
Emergency contraception, alone or with other methods	10.1	7.6-13.3

	<b>Percent</b>	<b>95% Confidence Interval</b>
<b>Mutually exclusive categories:</b>		
Condom, no hormonal birth control (HBC) or LARC <sup>3</sup>	54.1	50.4-57.7
Hormonal birth control (HBC) or LARC, no condom <sup>2,3</sup>	14.1	10.8-18.0
Dual contraception: condom + HBC/LARC <sup>3</sup>	11.6	8.9-15.0
Withdrawal/other only	4.2	2.5-7.1
No contraception	16.0	12.4-20.4

<sup>1</sup> Had sex in the past 3 months.

<sup>2</sup> HBC includes birth control pill, Depo-Provera, patch, ring, and emergency contraception. Long-acting reversible contraception (LARC) includes intrauterine device (IUD) and implant.

<sup>3</sup> May include those who reported also using withdrawal.

**Table 2. Percent of Sexually Active<sup>1</sup> New York City Public High School Students Who Used a Condom at Last Intercourse, Youth Risk Behavior Survey (YRBS) 2017**

	<b>Percent</b>	<b>95% Confidence Interval</b>
<b>All</b>		
<b>Age</b>		
14 & younger	61.5*	45.8-75.1
15	59.3*	48.6-69.1
16	60.2	52.3-67.6
17 & older	54.3	49.6-58.9
<b>Grade Level</b>		
9th grade	63.4*	50.5-74.7
10th grade	58.4	48.2-67.9
11th grade	61.0	52.2-69.2
12th grade	52.5	47.8-57.2
<b>Neighborhood Health Action Center area (of School)<sup>2</sup></b>		
South Bronx	49.4*	36.3-62.5
North & Central Brooklyn	52.2*	27.5-75.9
East & Central Harlem	52.9*	40.9-64.7
Non-Action Center area	58.6	55.0-62.0
<b>Borough of School</b>		
Bronx	48.6	40.9-56.4
Brooklyn	57.2	49.6-64.4
Manhattan	57.4	50.7-63.9
Queens	65.1	58.6-71.1
Staten Island	55.9*	44.1-67.1
<b>Race/Ethnicity<sup>3</sup></b>		
White	69.4	59.9-77.4
Black	57.4	51.6-62.9
Latino	52.4	47.2-57.5
Asian	62.4*	49.6-73.7
<b>Females</b>		
<b>Age</b>		
14 & younger	51.1*	33.7-68.3
15	52.0*	38.7-65.0



	<b>Percent</b>	<b>95% Confidence Interval</b>
16	56.4*	45.4-66.8
17 & older	47.4	40.6-54.3
<b>Grade Level</b>		
9th grade	59.8*	40.4-76.5
10th grade	48.2*	33.5-63.3
11th grade	57.1*	45.9-67.7
12th grade	47.0	40.1-54.1
<b>Neighborhood Health Action Center area (of School)<sup>2</sup></b>		
South Bronx	44.2*	29.0-60.5
North & Central Brooklyn	35.7*	15.5-62.8
East & Central Harlem	46.4*	31.9-61.6
Non-Action Center area	52.5	47.9-57.1
<b>Borough of School</b>		
Bronx	40.2	33.1-47.7
Brooklyn	50.6	42.1-59.1
Manhattan	53.4	43.5-63.0
Queens	60.0*	49.5-69.7
Staten Island	46.2*	32.6-60.4
<b>Race/Ethnicity<sup>3</sup></b>		
White	75.9	64.5-84.4
Black	52.7	44.6-60.6
Latino	43.4	37.4-49.7
Asian	50.4*	29.3-71.3
<b>Males</b>		
<b>Age</b>		
14 & younger	68.6*	50.1-82.6
15	70.1	59.4-78.9
16	65.0	56.0-73.1
17 & older	64.2	56.3-71.5
<b>Grade Level</b>		
9th grade	68.6*	56.3-78.7
10th grade	73.3	63.3-81.4

	<b>Percent</b>	<b>95% Confidence Interval</b>
11th grade	65.4*	53.4-75.6
12th grade	60.9	51.6-69.4
<b>Neighborhood Health Action Center area (of School)<sup>2</sup></b>		
South Bronx	59.2*	36.9-78.3
North & Central Brooklyn	69.7*	49.1-84.6
East & Central Harlem	59.5*	43.6-73.7
Non-Action Center area	66.5	62.1-70.6
<b>Borough of School</b>		
Bronx	60.8*	49.3-71.2
Brooklyn	65.9	59.5-71.8
Manhattan	62.5*	51.2-72.6
Queens	72.0	64.8-78.2
Staten Island	66.7*	51.9-78.8
<b>Race/Ethnicity<sup>3</sup></b>		
White	60.7*	44.6-74.8
Black	62.7	54.1-70.5
Latino	65.1	57.0-72.4
Asian	75.3*	59.6-86.3

<sup>1</sup> Had sex in the past 3 months.

<sup>2</sup> Neighborhood Health Action Centers: To promote health equity and reduce health disparities at the neighborhood level, the Health Department established Neighborhood Health Action Centers (formerly District Public Health Offices) in the South Bronx, East and Central Harlem, and North and Central Brooklyn, neighborhoods with high rates of chronic disease and premature death. YRBS data for Action Center areas represent teens who attend public schools in those neighborhoods.

<sup>3</sup> Black, White, Asian do not include Latino. Latino ethnicity includes Hispanic or Latino of any race.

\* Interpret with caution: relative standard error >30% and/or denominator <50 and/or 95% confidence interval half-width is greater than 10; estimate may be unreliable.

**Table 3. Percent of Sexually Active<sup>1</sup> New York City Public High School Students Who Used Hormonal or Long-Acting Reversible Contraception (LARC)<sup>2</sup> at Last Intercourse, Youth Risk Behavior Survey (YRBS) 2017**

	Percent	95% Confidence Interval
<b>All</b>		
<b>Age</b>		
14 & younger	21.3*	11.7-35.6
15	24.4	18.8-31.1
16	29.1	24.4-34.3
17 & older	34.6	28.6-41.1
<b>Grade Level</b>		
9th grade	24.2	15.7-35.3
10th grade	21.5	15.8-28.4
11th grade	32.7	25.4-41.0
12th grade	34.4	29.1-40.0
<b>Neighborhood Health Action Center area (of School)<sup>3</sup></b>		
South Bronx	36.5*	25.0-49.8
North & Central Brooklyn	29.9*	17.9-45.4
East & Central Harlem	32.1*	20.7-46.3
Non-Action Center area	29.4	25.6-33.5
<b>Borough of School</b>		
Bronx	34.5	29.7-39.6
Brooklyn	29.3	22.3-37.6
Manhattan	33.8*	23.3-46.0
Queens	24.9	18.2-33.2
Staten Island	27.9	20.3-37.0
<b>Race/Ethnicity<sup>4</sup></b>		
White	26.0	18.1-36.0
Black	24.4	18.7-31.2
Latino	33.9	30.1-37.9
Asian	26.5*	11.3-50.6
<b>Females</b>		
<b>Age</b>		

	<b>Percent</b>	<b>95% Confidence Interval</b>
14 & younger	26.8*	12.4-48.7
15	27.3	20.5-35.5
16	30.2	23.7-37.6
17 & older	39.0	32.5-45.9
<b>Grade Level</b>		
9th grade	27.0*	15.0-43.7
10th grade	25.2	17.5-34.7
11th grade	35.3	26.4-45.4
12th grade	37.9	32.0-44.1
<b>Neighborhood Health Action Center area (of School)<sup>3</sup></b>		
South Bronx	49.9*	32.4-67.5
North & Central Brooklyn	35.5*	20.8-53.7
East & Central Harlem	43.8*	28.2-60.8
Non-Action Center area	31.2	26.8-35.9
<b>Borough of School</b>		
Bronx	43.6	36.1-51.4
Brooklyn	31.3*	22.2-42.2
Manhattan	37.2*	24.2-52.2
Queens	22.4	17.7-27.9
Staten Island	40.7*	29.4-53.0
<b>Race/Ethnicity<sup>4</sup></b>		
White	21.2	13.3-32.0
Black	28.0*	17.7-41.2
Latino	41.2	35.9-46.8
Asian	^	—
<b>Males</b>		
<b>Age</b>		
14 & younger	19.5*	7.0-43.8
15	20.4	13.1-30.4
16	28.2	20.1-38.1
17 & older	27.6	19.8-37.1
<b>Grade Level</b>		

	Percent	95% Confidence Interval
9th grade	21.1*	10.3-38.5
10th grade	16.3	10.5-24.5
11th grade	29.8*	20.1-41.9
12th grade	28.6	20.6-38.1
<b>Neighborhood Health Action Center area (of School)<sup>3</sup></b>		
South Bronx	^	—
North & Central Brooklyn	23.8*	9.7-47.5
East & Central Harlem	20.3*	9.5-38.2
Non-Action Center area	26.9	21.6-32.9
<b>Borough of School</b>		
Bronx	23.8	16.6-32.8
Brooklyn	26.0	17.3-37.3
Manhattan	29.9	21.7-39.7
Queens	26.8*	14.6-44.0
Staten Island	13.8*	6.7-26.4
<b>Race/Ethnicity<sup>4</sup></b>		
White	32.5*	19.0-49.7
Black	20.3	13.3-29.8
Latino	23.8	19.1-29.2
Asian	35.6*	16.1-61.5

<sup>1</sup> Had sex in the past 3 months.

<sup>2</sup> Hormonal contraception includes birth control pill, Depo-Provera, patch, ring and emergency contraception. LARC includes intrauterine device (IUD) and implant.

<sup>3</sup> Neighborhood Health Action Centers: To promote health equity and reduce health disparities at the neighborhood level, the Health Department established Neighborhood Health Action Centers (formerly District Public Health Offices) in the South Bronx, East and Central Harlem, and North and Central Brooklyn, neighborhoods with high rates of chronic disease and premature death. YRBS data for Action Center areas represent teens who attend public schools in those neighborhoods.

<sup>4</sup> Black, White, Asian do not include Latino. Latino ethnicity includes Hispanic or Latino of any race.

\* Interpret with caution: relative standard error >30% and/or denominator <50 and/or 95% confidence interval half-width is greater than 10; estimate may be unreliable.

^ Suppressed due to imprecise and unreliable estimates.

**Table 4. Percent of Sexually Active<sup>1</sup> New York City Public High School Students Who Used the Birth Control Pill at Last Intercourse, Youth Risk Behavior Survey (YRBS) 2017**

	<b>Percent</b>	<b>95% Confidence Interval</b>
<b>All</b>		
<b>Age</b>		
14 & younger	8.8*	3.6-19.7
15	9.9	5.8-16.2
16	15.6	10.9-21.7
17 & older	15.0	11.6-19.2
<b>Grade Level</b>		
9th grade	13.6*	7.3-24.0
10th grade	8.1	4.9-13.0
11th grade	16.4	11.4-23.0
12th grade	14.9	11.5-19.1
<b>Neighborhood Health Action Center area (of School)<sup>2</sup></b>		
South Bronx	16.8	11.4-24.2
North & Central Brooklyn	13.1	6.3-25.4
East & Central Harlem	13.4	7.3-23.3
Non-Action Center area	13.4	10.9-16.3
<b>Borough of School</b>		
Bronx	17.6	12.6-24.1
Brooklyn	10.7	8.0-14.0
Manhattan	16.0	10.0-24.8
Queens	12.2	8.0-18.0
Staten Island	11.0	6.8-17.3
<b>Race/Ethnicity<sup>3</sup></b>		
White	19.0	12.1-28.5
Black	10.5	6.8-16.0
Latino	13.3	10.7-16.5
Asian	16.4*	6.3-36.4
<b>Females</b>		
<b>Age</b>		
14 & younger	^	—

	Percent	95% Confidence Interval
15	9.8*	5.2-17.6
16	16.8	10.3-26.1
17 & older	14.0	9.8-19.5
<b>Grade Level</b>		
9th grade	14.1*	5.3-32.4
10th grade	9.7	5.6-16.3
11th grade	19.3	12.3-29.0
12th grade	12.5	8.9-17.3
<b>Neighborhood Health Action Center area (of School)<sup>2</sup></b>		
South Bronx	22.0	13.8-33.3
North & Central Brooklyn	15.3*	5.9-34.0
East & Central Harlem	18.4*	8.2-36.4
Non-Action Center area	12.5	8.8-17.4
<b>Borough of School</b>		
Bronx	21.8	14.1-32.2
Brooklyn	11.9*	5.4-24.1
Manhattan	14.1	10.0-19.5
Queens	7.4*	2.7-18.4
Staten Island	16.9	10.1-26.8
<b>Race/Ethnicity<sup>3</sup></b>		
White	16.3	9.3-27.1
Black	10.0	5.4-17.6
Latino	15.8	11.5-21.4
Asian	^	—
<b>Males</b>		
<b>Age</b>		
14 & younger	^	—
15	10.1*	4.6-20.4
16	14.4	8.7-22.9
17 & older	15.8	10.0-24.1
<b>Grade Level</b>		

	Percent	95% Confidence Interval
9th grade	^	—
10th grade	5.8*	2.7-11.9
11th grade	13.1	8.0-20.6
12th grade	18.5	12.0-27.4
<b>Neighborhood Health Action Center area (of School)<sup>2</sup></b>		
South Bronx	9.6*	3.4-24.5
North & Central Brooklyn	^	—
East & Central Harlem	^	—
Non-Action Center area	14.3	10.3-19.5
<b>Borough of School</b>		
Bronx	12.8	8.8-18.1
Brooklyn	9.5	5.2-16.8
Manhattan	18.4*	9.6-32.2
Queens	16.5*	7.9-31.3
Staten Island	^	^
<b>Race/Ethnicity<sup>3</sup></b>		
White	22.5*	10.4-42.1
Black	11.2	6.6-18.5
Latino	9.4	6.5-13.4
Asian	27.6*	12.2-51.2

<sup>1</sup> Had sex in the past 3 months.

<sup>2</sup> Neighborhood Health Action Centers: To promote health equity and reduce health disparities at the neighborhood level, the Health Department established Neighborhood Health Action Centers (formerly District Public Health Offices) in the South Bronx, East and Central Harlem, and North and Central Brooklyn, neighborhoods with high rates of chronic disease and premature death. YRBS data for Action Center areas represent teens who attend public schools in those neighborhoods.

<sup>3</sup> Black, White, Asian do not include Latino. Latino ethnicity includes Hispanic or Latino of any race.

\* Interpret with caution: relative standard error >30% and/or denominator <50 and/or 95% confidence interval half-width is greater than 10; estimate may be unreliable.

^ Suppressed due to imprecise and unreliable estimates.



**Table 5. Percent of Sexually Active<sup>1</sup> New York City Public High School Students Who Used Dual Contraception<sup>2</sup> at Last Intercourse, Youth Risk Behavior Survey (YRBS) 2017**

	<b>Percent</b>	<b>95% Confidence Interval</b>
<b>All</b>		
<b>Age</b>		
14 & younger	11.5*	5.9-21.4
15	9.0	5.3-14.9
16	11.5	8.4-15.4
17 & older	12.6	8.9-17.6
<b>Grade Level</b>		
9th grade	12.0	7.4-18.8
10th grade	8.8	5.6-13.7
11th grade	11.6	7.4-17.8
12th grade	12.6	9.3-17.0
<b>Neighborhood Health Action Center area (of School)<sup>3</sup></b>		
South Bronx	8.6*	3.2-20.8
North & Central Brooklyn	11.2*	5.1-23.1
East & Central Harlem	8.0	5.1-12.3
Non-Action Center area	12.0	9.6-15.0
<b>Borough of School</b>		
Bronx	8.5	5.5-12.8
Brooklyn	14.8	9.2-23.1
Manhattan	12.9	7.9-20.4
Queens	9.9	6.7-14.4
Staten Island	10.4	5.8-17.9
<b>Race/Ethnicity<sup>4</sup></b>		
White	11.0	6.5-17.9
Black	7.5	4.1-13.2
Latino	12.2	9.5-15.6
Asian	16.4*	6.3-36.6
<b>Females</b>		
<b>Age</b>		
14 & younger	^	—
15	9.5	5.2-16.6

	<b>Percent</b>	<b>95% Confidence Interval</b>
16	12.7	8.1-19.5
17 & older	12.0	8.5-16.6
<b>Grade Level</b>		
9th grade	10.6*	4.0-25.2
10th grade	8.3	4.9-13.7
11th grade	13.1	8.5-19.6
12th grade	12.5	9.2-16.7
<b>Neighborhood Health Action Center area (of School)<sup>3</sup></b>		
South Bronx	11.5*	3.0-34.9
North & Central Brooklyn	^	—
East & Central Harlem	10.8	6.5-17.4
Non-NHAC area	11.7	8.8-15.4
<b>Borough of School</b>		
Bronx	10.6	6.0-17.9
Brooklyn	13.7*	7.2-24.7
Manhattan	10.8	6.5-17.6
Queens	10.1	5.6-17.6
Staten Island	14.1	7.6-24.7
<b>Race/Ethnicity<sup>4</sup></b>		
White	12.6*	6.1-24.2
Black	6.7*	2.7-15.8
Latino	13.3	9.3-18.6
Asian	^	—
<b>Males</b>		
<b>Age</b>		
14 & younger	13.2*	5.1-29.9
15	8.4*	3.8-17.3
16	10.2	5.9-16.9
17 & older	13.7	8.3-21.8
<b>Grade Level</b>		
9th grade	13.3*	6.9-24.3
10th grade	9.7*	5.0-17.9

	<b>Percent</b>	<b>95% Confidence Interval</b>
11th grade	10.0*	4.4-21.3
12th grade	13.0	7.6-21.5
<b>Neighborhood Health Action Center area (of School)<sup>3</sup></b>		
South Bronx	^	—
North & Central Brooklyn	13.0*	4.5-32.2
East & Central Harlem	5.2*	2.2-11.7
Non-Action Center area	12.6	9.5-16.6
<b>Borough of School</b>		
Bronx	6.0*	2.9-11.8
Brooklyn	16.7	11.6-23.5
Manhattan	15.4	8.9-25.4
Queens	9.9*	4.0-22.3
Staten Island	^	^
<b>Race/Ethnicity<sup>4</sup></b>		
White	^	—
Black	8.3*	4.3-15.4
Latino	11.0	7.8-15.3
Asian	^	—

<sup>1</sup> Had sex in the past 3 months.

<sup>2</sup> Condom with hormonal birth control or long-acting reversible contraception.

<sup>3</sup> Neighborhood Health Action Centers: To promote health equity and reduce health disparities at the neighborhood level, the Health Department established Neighborhood Health Action Centers (formerly District Public Health Offices) in the South Bronx, East and Central Harlem, and North and Central Brooklyn, neighborhoods with high rates of chronic disease and premature death. YRBS data for Action Center areas represent teens who attend public schools in those neighborhoods.

<sup>4</sup> Black, White, Asian do not include Latino. Latino ethnicity includes Hispanic or Latino of any race.

\* Interpret with caution: relative standard error >30% and/or denominator <50 and/or 95% confidence interval half-width is greater than 10; estimate may be unreliable.

^ Suppressed due to imprecise and unreliable estimates.