Contraception at last intercourse among sexually active adults who had vaginal sex in the past 12 months by selected demographics, NYC 2017

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 2017

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 2017

Data Source: NYC Community Health Survey (CHS) 2017. 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 2017 data are weighted to the adult residential population per the American Community Survey, 2016. 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 2017 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 2017

Contraception type (alone or with other methods)	Percent	95% Confidence Interval
Any Method	59.3	55.9-62.5
Short-acting hormonal birth control ¹	20.5	17.6-23.8
Pill	15.3	12.7-18.3
Long-acting reversible contracepives ²	10.8	8.8-13.2
Condom	35.4	32.1-38.8
Dual contraception ³	9.6	7.5-12.3
Other method	2.3	1.4-3.6
No contraception	40.7	37.5-44.1
By age group		
Any Method		
18-24	74.2	66.6-80.6
25-44	55.3	51.6-59.0
Short-acting hormonal birth control ¹		
18-24	33.8	25.9-42.8
25-44	17.0	14.1-20.4
Pill		
18-24	24.1	17.0-32.8
25-44	13.0	10.4-16.1
Long-acting reversible contracepives ²		
18-24	9.4	5.6-15.4
25-44	11.2	8.9-13.9
Condom		
18-24	52.2	43.7-60.6
25-44	30.9	27.6-34.4
Dual contraception ³		
18-24	23.3	16.2-32.3
25-44	6.0	4.4-8.2
Other method		
18-24	^	٨
25-44	2.3	1.4-3.7
No contraception		
18-24	25.8	19.4-33.4
25-44	44.7	41.0-48.4

Contraception type (alone or with other methods) Percen		95% Confidence Interval	
By race/ethnicity			
Any Method			
White, Non-Latino	61.8	54.9-68.2	
Black, Non-Latino	61.7	55.2-67.9	
Latino	51.5	46.0-57.0	
Asian/PI, Non-Latino	69.5	60.4-77.4	
Short-acting hormonal birth control ¹			
White, Non-Latino	25.1	19.2-32.2	
Black, Non-Latino	19.6	14.6-25.9	
Latino	17.6	13.3-23.0	
Asian/PI, Non-Latino	18.7*	10.6-30.9	
Pill			
White, Non-Latino	23.1	17.2-30.2	
Black, Non-Latino	13.6	9.8-18.5	
Latino	9.2	6.4-13.2	
Asian/PI, Non-Latino	14.9*	7.4-27.7	
Long-acting reversible contracepives ²			
White, Non-Latino	12.3	8.1-18.2	
Black, Non-Latino	10.6	6.9-15.9	
Latino	9.6	7.1-12.8	
Asian/PI, Non-Latino	8.5*	4.5-15.7	
Condom			
White, Non-Latino	29.1	23.1-36.0	
Black, Non-Latino	38.5	32.2-45.3	
Latino	34.0	29.0-39.3	
Asian/PI, Non-Latino	50.4*	39.8-60.9	
Dual contraception ³			
White, Non-Latino	8.5*	4.6-15.1	
Black, Non-Latino	9.9	6.4-15.2	
Latino	10.6	7.5-14.8	
Asian/PI, Non-Latino	8.9*	3.5-20.6	
Other method			
White, Non-Latino	3.7*	1.8-7.5	
Black, Non-Latino	2.9*	1.2-7.1	
Latino	1.1*	0.5-2.4	
Asian/PI, Non-Latino	1.2*	0.4-3.3	
No contraception			
White, Non-Latino	38.2	31.8-45.1	
Black, Non-Latino	38.3	32.1-44.8	

Contraception type (alone or with other methods)	Percent	95% Confidence Interval		
Latino	48.5	43.0-54.0		
Asian/PI, Non-Latino	30.5	22.6-39.6		
By education				
Any Method				
< HS Grad	39.5	31.1-48.5		
HS Grad	53.5	45.9-61.0		
Some College	65.3	58.9-71.2		
College grad +	65.3	60.2-70.1		
Short-acting hormonal birth control ¹				
< HS Grad	9.2	5.3-15.4		
HS Grad	12.1	8.0-17.9		
Some College	25.1	19.1-32.3		
College grad +	25.9	20.8-31.7		
Pill				
< HS Grad	4.2*	1.9-9.0		
HS Grad	8.0	4.7-13.3		
Some College	15.1	10.8-20.7		
College grad +	22.9	18.0-28.8		
Long-acting reversible contracepives ²				
< HS Grad	6.0*	2.8-12.2		
HS Grad	10.9	7.0-16.7		
Some College	12.4	8.7-17.4		
College grad +	11.3	8.1-15.7		
Condom				
< HS Grad	27.2	20.0-35.9		
HS Grad	36.8	29.6-44.7		
Some College	36.8	30.5-43.6		
College grad +	36.7	31.5-42.1		
Dual contraception ³				
< HS Grad	3.4*	1.3-8.6		
HS Grad	9.5	5.5-15.8		
Some College	12.6	8.6-18.1		
College grad +	9.9	6.4-15.0		
Other method				
< HS Grad	0.5*	0.1-1.9		
HS Grad	3.2*	1.2-7.9		
Some College	4.1*	2.0-8.3		
College grad +	1.3*	0.7-2.6		

Contraception type (alone or with other methods)	Percent	95% Confidence Interval	
No contraception			
< HS Grad	60.5	51.5-68.9	
HS Grad	46.5	39.0-54.1	
Some College	34.7	28.8-41.1	
College grad +	34.7	29.9-39.8	
By Borough			
Any Method			
Bronx	54.5	47.0-61.9	
Brooklyn	55.9	50.5-61.1	
Manhattan	66.3	58.0-73.8	
Queens	60.7	53.9-67.2	
Staten Island	56.7*	40.6-71.4	
Short-acting hormonal birth control ¹			
Bronx	18.4	13.2-25.0	
Brooklyn	15.0	11.6-19.3	
Manhattan	31.4	23.0-41.2	
Queens	21.8	16.4-28.4	
Staten Island	5.6*	2.3-13.0	
Pill			
Bronx	13.3	8.8-19.6	
Brooklyn	10.6	7.9-14.1	
Manhattan	25.7	17.9-35.5	
Queens	15.0	10.7-20.7	
Staten Island	٨	٨	
Long-acting reversible contracepives ²			
Bronx	10.4	6.9-15.5	
Brooklyn	11.2	8.1-15.1	
Manhattan	13.8	8.6-21.4	
Queens	7.8	4.7-12.5	
Staten Island	10.7*	4.1-25.2	
Condom			
Bronx	34.7	27.8-42.4	
Brooklyn	35.2	30.4-40.3	
Manhattan	30.9	23.1-40.0	
Queens	39.1	32.6-46.1	
Staten Island	41.4*	26.2-58.4	
Dual contraception ³			
Bronx	11.9	7.6-18.1	

Contraception type (alone or with other methods)	Percent	95% Confidence Interval
Brooklyn	8.3	5.7-11.9
Manhattan	11.4*	6.1-20.4
Queens	9.0	5.2-15.2
Staten Island	۸	٨
Other method		
Bronx	^	^
Brooklyn	3.0*	1.6-5.6
Manhattan	^	٨
Queens	1.0*	0.4-2.6
Staten Island	^	٨
No contraception		
Bronx	45.5	38.1-53.0
Brooklyn	44.1	38.9-49.5
Manhattan	33.7	26.2-42.0
Queens	39.3	32.8-46.1
Staten Island	43.3*	28.6-59.4

Data are not age adjusted.

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

^{*}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.

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

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

³ 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 2017

Contraception type (alone or with other methods)	Percent	95% Confidence Interval
Any Method	48.3	45.5-51.1
Short-acting hormonal birth control ¹	14.0	12.1-16.2
Pill	12.3	10.5-14.4
Long-acting reversible contracepives ²	3.5	2.7-4.7
Condom	34.1	31.5-36.8
Dual contraception ³	6.4	5.0-8.0
Other method	3.0	2.3-4.0
No contraception	51.7	48.9-54.5
By age group		
Any Method		
18-24	76.8	69.1-83.0
25-44	52.8	48.7-56.9
45-65	31.1	27.4-35.0
Short-acting hormonal birth control ¹		
18-24	25.8	19.1-33.9
25-44	16.2	13.4-19.5
45-65	6.3	4.6-8.7
Pill		
18-24	21.5	15.2-29.4
25-44	14.6	11.8-17.8
45-65	5.6	4.0-7.9
Long-acting reversible contracepives ²		
18-24	2.1*	0.8-5.7
25-44	5.1	3.6-7.1
45-65	1.9*	1.0-3.8
Condom		
18-24	62.7	54.5-70.3
25-44	35.3	31.6-39.3
45-65	21.4	18.4-24.9
Dual contraception ³		
18-24	17.3	11.7-25.0
25-44	6.6	4.8-9.1
45-65	1.8	1.1-3.1
Other method		
18-24	3.5*	1.4-8.4
25-44	2.8	1.9-4.1

Contraception type (alone or with other methods)	Percent	95% Confidence Interval
45-65	3.2	2.1-4.7
No contraception		
18-24	23.2	17.0-30.9
25-44	47.2	43.1-51.3
45-65	68.9	65.0-72.6
By race/ethnicity		
Any Method		
White, Non-Latino	46.8	41.8-51.8
Black, Non-Latino	50.4	44.3-56.5
Latino	43.1	38.4-48.0
Asian/PI, Non-Latino	58.0	50.7-64.9
Short-acting hormonal birth control ¹		
White, Non-Latino	15.8	12.5-19.8
Black, Non-Latino	13.9	10.0-18.9
Latino	11.5	8.6-15.1
Asian/PI, Non-Latino	14.0	8.8-21.5
Pill		
White, Non-Latino	14.4	11.2-18.3
Black, Non-Latino	12.5	8.8-17.5
Latino	10.3	7.5-13.8
Asian/PI, Non-Latino	9.4	5.2-16.5
Long-acting reversible contracepives ²		
White, Non-Latino	4.0	2.6-6.2
Black, Non-Latino	5.3	3.0-9.3
Latino	2.6	1.5-4.4
Asian/PI, Non-Latino	1.4*	0.4-4.8
Condom		
White, Non-Latino	29.0	24.5-33.9
Black, Non-Latino	36.4	30.8-42.4
Latino	32.5	28.2-37.0
Asian/PI, Non-Latino	47.0	39.7-54.4
Dual contraception ³		
White, Non-Latino	5.7	3.8-8.7
Black, Non-Latino	7.5	4.7-11.6
Latino	6.1	4.2-8.9
Asian/PI, Non-Latino	7.8*	3.7-15.8
Other method		
White, Non-Latino	3.7	2.4-5.5
Black, Non-Latino	2.3*	1.0-5.0

	95% Confidence Interval
2.9	1.7-4.8
3.4*	1.7-6.6
53.2	48.2-58.2
49.6	43.5-55.7
56.9	52.0-61.6
42.0	35.1-49.3
34.8	28.5-41.6
50.6	45.0-56.1
50.1	44.0-56.1
52.1	47.6-56.6
4.3	2.4-7.6
12.2	8.9-16.5
18.2	13.8-23.6
17.4	14.0-21.4
1.8*	0.8-4.3
10.7	7.5-14.9
16.0	11.9-21.3
16.3	13.0-20.3
0.8*	0.2-3.3
3.9	2.3-6.7
5.1	3.0-8.6
3.5	2.3-5.3
28.1	22.4-34.7
38.6	33.5-44.0
36.3	30.6-42.4
32.0	27.9-36.4
1.7*	0.7-4.1
6.9	4.6-10.3
11.3	7.6-16.3
4.7	3.0-7.3
	53.2 49.6 56.9 42.0 34.8 50.6 50.1 52.1 4.3 12.2 18.2 17.4 1.8* 10.7 16.0 16.3 0.8* 3.9 5.1 3.5 28.1 38.6 36.3 32.0

Contraception type (alone or with other methods)	Percent	95% Confidence Interval
Other method		
< HS Grad	3.2*	1.4-7.3
HS Grad	2.8*	1.5-5.1
Some College	1.8*	0.9-3.5
College grad +	3.9	2.7-5.6
No contraception		
< HS Grad	65.2	58.4-71.5
HS Grad	49.4	43.9-55.0
Some College	49.9	43.9-56.0
College grad +	47.9	43.4-52.4
By Borough		
Any Method		
Bronx	45.4	39.0-51.9
Brooklyn	51.4	46.8-55.9
Manhattan	53.4	46.2-60.5
Queens	46.3	40.9-51.8
Staten Island	37.0*	26.6-48.8
Short-acting hormonal birth control ¹		
Bronx	11.8	8.2-16.5
Brooklyn	15.1	11.8-19.2
Manhattan	19.0	13.9-25.3
Queens	11.6	8.4-15.7
Staten Island	11.5*	5.9-21.1
Pill		
Bronx	9.7	6.5-14.4
Brooklyn	13.5	10.3-17.5
Manhattan	18.0	13.1-24.3
Queens	9.7	6.8-13.8
Staten Island	8.8*	4.5-16.6
Long-acting reversible contracepives ²		
Bronx	3.4*	1.5-7.4
Brooklyn	4.3	2.8-6.7
Manhattan	4.0*	2.0-8.1
Queens	3.1	1.8-5.2
Staten Island	1.1*	0.3-4.2
Condom		
Bronx	33.2	27.5-39.4
Brooklyn	35.6	31.4-40.0

Contraception type (alone or with other methods)	Percent	95% Confidence Interval
Manhattan	34.0	27.5-41.1
Queens	35.3	30.2-40.7
Staten Island	25.8*	16.8-37.4
Dual contraception ³		
Bronx	5.2	2.9-9.2
Brooklyn	6.7	4.7-9.3
Manhattan	6.7*	3.6-12.2
Queens	6.7	4.2-10.5
Staten Island	5.6*	2.1-14.1
Other method		
Bronx	2.5*	1.1-5.6
Brooklyn	3.0	1.9-4.5
Manhattan	3.2*	1.7-5.9
Queens	3.0	1.7-5.2
Staten Island	^	^
No contraception		
Bronx	54.6	48.1-61.0
Brooklyn	48.6	44.1-53.2
Manhattan	46.6	39.5-53.8
Queens	53.7	48.2-59.1
Staten Island	63.0*	51.2-73.4

Data are not age adjusted.

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

^{*}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

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

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

³ 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.

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. Although 2017 data are not yet included in EpiQuery, when they are added they will use the same methodology as in past years, which 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 Active¹ New York City Public High School Students, Youth Risk Behavior Survey (YRBS) 2017

	Percent	95% Confidence Interval
All		
Condom, alone or with other methods	57.2	(54.1, 60.3)
Hormonal birth control (HBC) or LARC, alone or with other methods ^{2,3}	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)
Mutually exclusive categories:		
Condom, no hormonal birth control (HBC) or LARC ³	45.8	(42.3, 49.3)
Hormonal birth control (HBC) or LARC, no condom ^{2,3}	18.7	(16.6, 21.0)
Dual contraception: condom + HBC/LARC ³	11.5	(9.4, 14.0)
Withdrawal/other only	3.8	(2.6, 5.4)
No contraception	20.3	(18.0, 22.8)
Females		
Condom, alone or with other methods	50.9	(46.7, 55.0)
Hormonal birth control (HBC) or LARC, alone or with other methods ^{2,3}	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)
Mutually exclusive categories:		
Condom, no hormonal birth control (HBC) or LARC ³	39.3	(34.7, 44.1)
Hormonal birth control (HBC) or LARC, no condom ^{2,3}	22.1	(19.3, 25.3)
Dual contraception: condom + HBC/LARC ³	11.6	(8.9, 14.9)
Withdrawal/other only	3.2	(1.9, 5.5)
No contraception	23.8	(21.3, 26.5)
Males		
Condom, alone or with other methods	65.7	(61.7, 69.5)
Hormonal birth control (HBC) or LARC, alone or with other methods ^{2,3}	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)
Mutually exclusive categories:		
Condom, no hormonal birth control (HBC) or LARC ³	54.1	(50.4, 57.7)
Hormonal birth control (HBC) or LARC, no condom ^{2,3}	14.1	(10.8, 18.0)
Dual contraception: condom + HBC/LARC ³	11.6	(8.9, 15.0)
Withdrawal/other only	4.2	(2.5, 7.1)
No contraception	16.0	(12.4, 20.4)

¹ Had sex in the past 3 months.

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

³ May include those who reported also using withdrawal.

Table 2. Percent of Sexually Active¹ New York City Public High School Students Who Used a Condom at Last Intercourse, Youth Risk Behavior Survey (YRBS) 2017

	Percent	95% Confidence Interval
All		
Age		
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)
Grade Level		
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)
Neighborhood Health Action Center area		
(of School) ²		
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)
Borough of School		
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)
Race/Ethnicity ³		
Black	57.4	(51.6, 62.9)
Latino	52.4	(47.2, 57.5)
White	69.4	(59.9, 77.4)
Asian	62.4*	(49.6, 73.7)
Females		
Age		
14 & younger	51.1*	(33.7, 68.3)
15	52.0*	(38.7, 65.0)
16	56.4*	(45.4, 66.8)
17 & older	47.4	(40.6, 54.3)
Grade Level		
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)

	Percent	95% Confidence Interval
Neighborhood Health Action Center area (of School) ²		
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)
Borough of School		
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)
Race/Ethnicity ³		
Black	52.7	(44.6, 60.6)
Latino	43.4	(37.4, 49.7)
White	75.9	(64.5, 84.4)
Asian	50.4*	(29.3, 71.3)
Males		
Age		
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)
Grade Level		
9th grade	68.6*	(56.3, 78.7)
10th grade	73.3	(63.3, 81.4)
11th grade	65.4*	(53.4, 75.6)
12th grade	60.9	(51.6, 69.4)
Neighborhood Health Action Center area (of School) ²		
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)
Borough of School		
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)

	Percent	95% Confidence Interval
Race/Ethnicity ³		
Black	62.7	(54.1, 70.5)
Latino	65.1	(57.0, 72.4)
White	60.7*	(44.6, 74.8)
Asian	75.3*	(59.6, 86.3)

¹Had sex in the past 3 months.

² 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.

³ 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.

 $\label{thm:control} \begin{tabular}{ll} Table 3. Percent of Sexually Active 1 New York City Public High School Students Who Used Hormonal or Long-Acting Reversible Contraception (LARC)2 at Last Intercourse, Youth Risk Behavior Survey (YRBS) 2017 \\ \end{tabular}$

	Percent	95% Confidence Interval
All		
Age		
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)
Grade Level		
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)
Neighborhood Health Action Center area		
(of School) ³		
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)
Borough of School		
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)
Race/Ethnicity ⁴		
Black	24.4	(18.7, 31.2)
Latino	33.9	(30.1, 37.9)
White	26.0	(18.1, 36.0)
Asian	26.5*	(11.3, 50.6)
Females		
Age		
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)
Grade Level	05.00	(15.0. (2.5)
9th grade	27.0*	(15.0, 43.7)
10th grade	25.2	(17.5, 34.7)
11th grade	35.3	(26.4, 45.4)

	Percent	95% Confidence Interval
12th grade	37.9	(32.0, 44.1)
Neighborhood Health Action Center area (of School) ³		
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)
Borough of School		
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)
Race/Ethnicity ⁴		
Black	28.0*	(17.7, 41.2)
Diack	20.0	(17.7, 41.2)
Latino	41.2	(35.9, 46.8)
White	21.2	(13.3, 32.0)
Asian	٨	^
Males		
Age		
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)
Grade Level		
9th grade	21.1*	(10.3, 38.5)
· · ·	16.3	
10th grade		(10.5, 24.5)
11th grade	29.8*	(20.1, 41.9) (20.6, 38.1)
12th grade	28.6	(20.0, 38.1)
Neighborhood Health Action Center area (of School) ³		
South Bronx	٨	۸
North & Central Brooklyn	23.8*	(9.3, 48.9)
East & Central Harlem	20.4*	(9.5, 38.2)
Non-Action Center area	26.9	(21.6, 32.9)
Borough of School		
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)
Queens	20.6	(14.0, 44.0)

	Percent	95% Confidence Interval
Staten Island	13.8*	(6.7, 26.4)
Race/Ethnicity ⁴		
Black	20.3	(13.3, 29.8)
Latino	23.8	(19.1, 29.2)
White	32.5*	(18.9,49.9)
Asian	35.6*	(16.1, 61.5)

¹ Had sex in the past 3 months.

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

³ 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.

⁴ 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 Active¹ New York City Public High School Students Who Used the Birth Control Pill at Last Intercourse, Youth Risk Behavior Survey (YRBS) 2017

	Percent	95% Confidence Interval
All		
Age		
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)
Grade Level		
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)
Neighborhood Health Action Center area (of School) ²		
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)
Borough of School		
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)
Race/Ethnicity ³		
Black	10.5	(6.8, 16.0)
Latino	13.3	(10.7, 16.5)
White	19.0	(12.1, 28.5)
Asian	16.4*	(6.3, 36.4)
Females		
Age		
14 & younger	^	۸
15	9.8*	(5.2, 17.6)
16	16.8	(10.3, 26.1)
17 & older	14.0	(9.8, 19.5)
Grade Level		
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)

	Percent	95% Confidence Interval
Neighborhood Health Action Center area (of School) ²		
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)
Borough of School		
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)
Race/Ethnicity ³		
Black	10.0	(5.4, 17.6)
Latino	15.8	(11.5, 21.4)
White	16.3	(9.3, 27.1)
Asian	٨	۸
Males		
Age		
14 & younger	٨	^
15	10.1*	(4.6, 20.4)
16	14.4	(8.7, 22.9)
17 & older	15.8	(10.0, 24.1)
Grade Level		
9th grade	٨	^
10th grade	5.8*	(2.7, 11.9)
11th grade	13.1	(8.0, 20.6)
12th grade	18.5	(12.0, 27.4)
Neighborhood Health Action Center area (of School) ²		
South Bronx	9.6*	(3.4, 24.5)
North & Central Brooklyn	۸	۸
East & Central Harlem	٨	۸
Non-Action Center area	14.3	(10.3, 19.5)
Borough of School		
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	۸	۸

	Percent	95% Confidence Interval
Race/Ethnicity ³		
Black	11.2	(6.6, 18.5)
Latino	9.4	(6.5, 13.4)
White	22.5*	(10.4, 42.1)
Asian	27.6*	(12.2, 51.2)

¹ Had sex in the past 3 months.

² 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.

³ 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 Active¹ New York City Public High School Students Who Used Dual Contraception² at Last Intercourse, Youth Risk Behavior Survey (YRBS) 2017

	Percent	95% Confidence Interval
All		
Age		
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)
Grade Level	100	(= 4 40.0)
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)
Neighborhood Health Action Center area (of School) ³		
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)
D 1 001 1		
Borough of School	0.7	(5.5.12.0)
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)
Race/Ethnicity ⁴		
Black	7.5	(4.1, 13.2)
Latino	12.2	(9.5, 15.6)
White	11.0	(6.5, 17.9)
Asian	16.4*	(6.3, 36.6)
1101011	10.1	(0.3, 30.0)
Females		
Age		
14 & younger	٨	^
15	9.5	(5.2, 16.6)
16	12.7	(8.1, 19.5)
17 & older	12.0	(8.5, 16.6)
Grade Level		
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)
12ui giauc	14.3	(9.2, 10.7)
		1

	Percent	95% Confidence Interval
Neighborhood Health Action Center area (of School) ³		
South Bronx	11.5*	(3.0, 34.9)
North & Central Brooklyn	٨	^
East & Central Harlem	10.8	(6.5, 17.4)
Non-NHAC area	11.7	(8.8, 15.4)
Borough of School		
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)
Race/Ethnicity ⁴		
Black non-Hispanic	6.7*	(2.7, 15.8)
Hispanic	13.3	(9.3, 18.6)
White non-Hispanic	12.6*	(6.1, 24.2)
Asian	۸	^
Males		
Age		
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)
Grade Level		
9th grade	13.3*	(6.9, 24.3)
10th grade	9.7*	(5.0, 17.9)
11th grade	10.0*	(4.4, 21.3)
12th grade	13.0	(7.6, 21.5)
Neighborhood Health Action Center area (of School) ³		
South Bronx	٨	۸
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)
Borough of School		
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	^	۸

	Percent	95% Confidence Interval
Race/Ethnicity ⁴		
Black non-Hispanic	8.3*	(4.3, 15.4)
Hispanic	11.0	(7.8, 15.3)
White non-Hispanic	٨	^
Asian	٨	^

¹ Had sex in the past 3 months.

² Condom with hormonal birth control or long-acting reversible contraception.

³ 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.

⁴ 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.