

## Alcohol Consumption among Youth in New York City Public High Schools, by Sexual Orientation and Gender Identity, 2015

- In 2015, 21% of New York City (NYC) public high school students consumed at least one alcoholic drink in the past 30 days (current drinkers), a decrease from 25% in 2013.
- Among youth who were current drinkers, 44% were binge drinkers in 2015, similar to 46% in 2013.
- Among youth who were current drinkers, over half (57%) reported drinking on one or two days during the past 30 days (infrequent), while 21% reported drinking three to five days (moderate), and 22% reported drinking on six or more days (frequent).
- Among NYC youth, 18% drank alcohol before the age of 13 years.

### Characteristics of youth who are current drinkers and binge drinkers

- Among NYC youth in 2015, female students (24%) were more likely to be current drinkers than male students (18%). Among current drinkers, binge drinking was similar in females (41%) compared with males (47%).
- Current drinking was higher among White (30%) and Latino (24%) youth compared with Black (19%) and Asian (11%) youth.
- Binge drinking was higher among White (15%) and Latino (10%) youth compared with Black (6%) and Asian (3%) youth.
- Male youth (25%) were more likely to report frequent drinking than female youth (19%).
- Compared with all other grades, the prevalence of current drinking was highest among 12<sup>th</sup> graders (32%).
- Binge drinking was highest among 12<sup>th</sup> graders (14%), compared with 11<sup>th</sup> graders (11%), 10<sup>th</sup> graders (7%), and 9<sup>th</sup> graders (4%).

#### Definitions:

**Youth** includes NYC public high school students in grades 9 through 12.

**Current drinking** is consuming at least one alcoholic drink during the past 30 days.

**Binge drinking** is consuming five or more alcoholic drinks in a row (within a couple of hours) at least once during the past 30 days.

**Frequency of drinking** is the number of days someone had at least one drink of alcohol during the past 30 days.

**Infrequent drinking** is consuming at least one drink of alcohol on one or two days in the past 30 days.

**Moderate drinking** is consuming at least one drink of alcohol on three to five days in the past 30 days.

**Frequent drinking** is consuming at least one drink of alcohol on six or more days in the past 30 days.

**Sexual orientation** refers to youth who identify as heterosexual (straight), gay or lesbian, or bisexual.

**Not sure youth** are youth who answered "Not Sure" when asked about their sexual orientation.

**Transgender** refers to a person whose biological sex at birth does not match the way they think or feel about themselves.

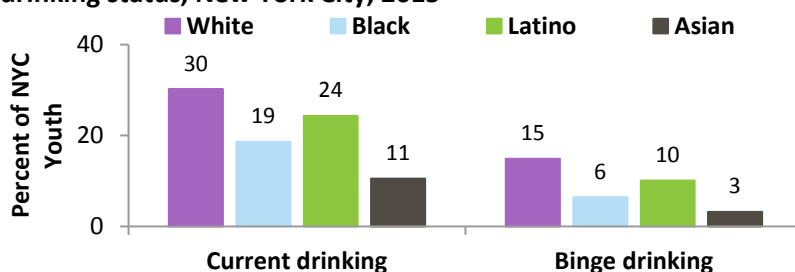
**Race/ethnicity:** For the purpose of this publication Latino includes persons of Hispanic or Latino origin of any race as identified by the survey question "Are you Hispanic or Latino?" Black, White, and Asian race categories do not include Latino.

#### Data Source:

**The NYC Youth Risk Behavior Survey:** The NYC YRBS is a biennial self-administered, anonymous survey conducted in NYC public high schools by the Health Department and the NYC Department of Education. For more survey details, visit <http://www1.nyc.gov/site/doh/data/data-sets/nyc-youth-risk-behavior-survey.page>.

In this survey, 85% of youth identified as heterosexual, 10% as gay, lesbian, or bisexual (GLB), and 5% as not sure. Three percent of youth identified as transgender. Due to small numbers, not all comparisons are presented.

**Alcohol consumption among youth by race/ethnicity and drinking status, New York City, 2015**



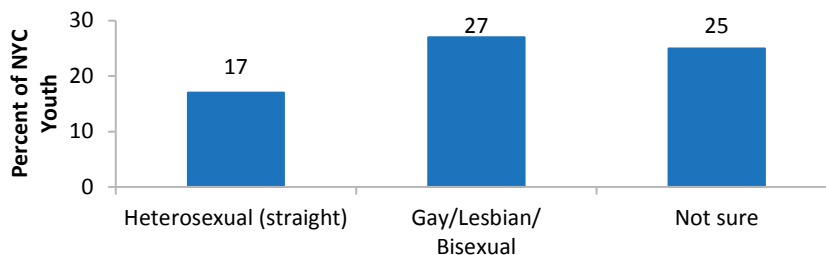
White, Black, Asian race categories exclude Latino ethnicity. Latino includes Hispanic or Latino of any race.

Source: NYC Youth Risk Behavior Survey, 2015

## Current drinking among gay, lesbian, bisexual, transgender, and heterosexual youth

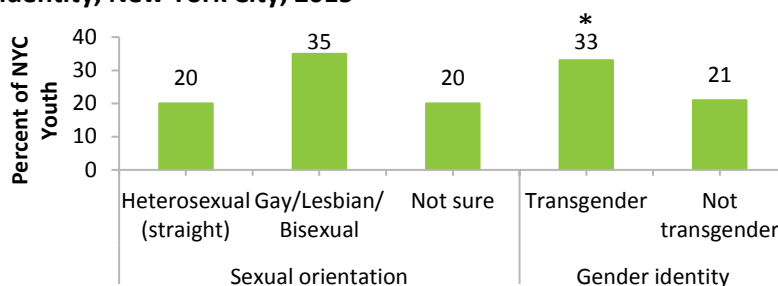
- The prevalence of current drinking was higher among gay, lesbian, bisexual (GLB) youth (35%) than among heterosexual youth (20%).
- GLB youth (27%) and youth not sure of their sexual orientation (25%) were more likely to consume alcohol before age 13 compared with heterosexual youth (17%).
- The prevalence of frequent drinking was similar among GLB (24%) and heterosexual (22%) youth who were current drinkers.

### Alcohol consumption among youth before age 13 by sexual orientation, New York City, 2015



Source: NYC Youth Risk Behavior Survey, 2015

### Current drinking among youth by sexual orientation and gender identity, New York City, 2015



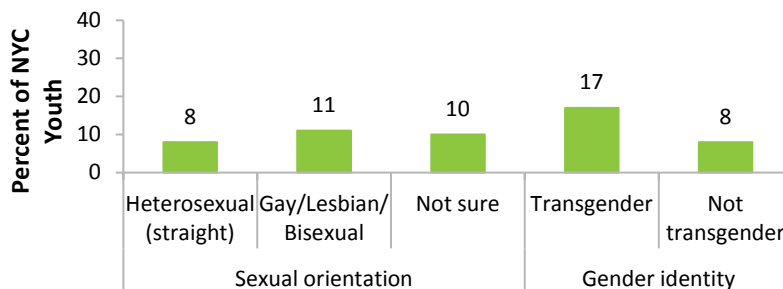
Source: NYC Youth Risk Behavior Survey, 2015

\*Estimate should be interpreted with caution. Estimate's Relative Standard Error (a measure of estimate precision) is greater than 30%, the 95% Confidence Interval half-width is greater than 10, or the sample size is less than 50, making the estimate potentially unreliable.

## Binge drinking among gay, lesbian, bisexual, transgender, and heterosexual youth

- Binge drinking was similar among heterosexual, GLB, and not sure youth.
- However, binge drinking was more than twice as likely among transgender youth (17%) compared with non-transgender youth (8%).
- The prevalence of frequent binge drinking was similar between GLB (11%) and heterosexual (8%) youth.

### Binge drinking among youth by sexual orientation and gender identity, New York City, 2015



Source: NYC Youth Risk Behavior Survey, 2015

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**Suggested citation:** Blachman-Forshay J, Mello E, Capua J, Tuazon E, Paone D. Alcohol Consumption among Youth in New York City Public High Schools, by Sexual Orientation and Gender Identity, 2015. New York City Department of Health and Mental Hygiene: Epi Data Brief(94); Nov 2017.

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New York City Department of Health and Mental Hygiene





# Epi Data Tables

November 2017, No. 94

## Alcohol Consumption among Youth in New York City Public High Schools, by Sexual Orientation and Gender Identity, 2015

### Data Tables

- Table 1.** Prevalence of alcohol consumption among public high school students by drinking status and demographic characteristics, New York City, 2015
- Table 2.** Frequency of drinking among public high school current drinkers by demographic characteristics, New York City, 2015
- Table 3.** Frequency of binge drinking among public high school binge drinkers by demographic characteristics, New York City, 2015
- Table 4.** Alcohol consumption before age 13 years among public high school students by demographic characteristics, New York City, 2015

### Data Sources

**The NYC Youth Risk Behavior Survey (YRBS) 2015**, 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.

**Table 1. Prevalence of alcohol consumption among public high school students by drinking status and demographic characteristics, New York City, 2015**

Source: NYC Youth Risk Behavior Survey, 2015

Data are weighted to the NYC public high school student population.

Data are not age-adjusted.

	Percent	Current Drinker <sup>1</sup> (past 30 days)				Binge Drinker <sup>2</sup> (past 30 days)				Binge Drinking among Current Drinker <sup>1,2</sup> (past 30 days)					
		Lower 95% Confidence Interval	Upper 95% Confidence Interval	p-value	p-value	Lower 95% Confidence Interval	Upper 95% Confidence Interval	p-value	p-value	Lower 95% Confidence Interval	Upper 95% Confidence Interval	p-value	p-value		
<b>Total</b>	20.9	18.5	23.4	~	~	8.5 D	7.3	9.9	~	~	43.7	40.8	46.6	~	~
<b>Sex</b>															
Female	23.8	21.2	26.7	Referent		9.1	7.6	10.8	Referent		41.1	36.7	45.7	Referent	
Male	17.6	15.1	20.5	<0.001		7.8	6.6	9.3	0.105		47.5 D	42.3	52.7	0.110	
<b>Sexual orientation<sup>3</sup></b>															
Heterosexual (straight)	19.9	17.5	22.6	Referent		8.2	6.8	9.9	Referent		44.5 D	40.6	48.4	Referent	
Gay/Lesbian/Bisexual	34.6	29.7	40.0	<0.001		11.4	8.4	15.2	0.113		36.4	29.1	44.3	0.092	
Not sure	20.2	15.8	25.5	0.910		9.7	7.0	13.3	0.462		51.2 *	37.3	65.0	0.394	
<b>Gender identity<sup>4</sup></b>															
Transgender	33.2 *	22.1	46.6	0.055		17.3	10.4	27.4	0.042		56.8 *	39.4	72.7	0.140	
Not transgender	20.8	18.4	23.5	Referent		8.4	7.1	9.8	Referent		43.1	40.0	46.3	Referent	
<b>Grade</b>															
9th	12.8	10.8	15.0	Referent	<0.001	3.8	2.7	5.4	Referent	<0.001	32.2	24.0	41.6	Referent	0.020
10th	17.6	13.7	22.3	0.054	<0.001	7.2	4.7	10.9	0.048	<0.001	44.1	35.1	53.5	0.080	0.577
11th	24.2	21.1	27.7	<0.001	0.020	11.1	8.6	14.2	<0.001	0.304	47.6	38.0	57.3	0.016	0.857
12th	31.9	26.6	37.8	<0.001	Referent	13.6	10.7	17.1	<0.001	Referent	46.3	40.4	52.4	0.020	Referent
<b>Race/ethnicity<sup>5</sup></b>															
White, non-Latino	30.2	24.2	37.1	Referent	0.078	14.9	10.6	20.7	Referent	0.087	49.9	42.9	57.0	Referent	0.327
Black, non-Latino	18.6	14.9	23.1	0.002	0.007	6.4	4.4	9.1	0.001	<0.001	37.8	29.3	47.2	0.013	0.171
Latino	24.3	21.4	27.5	0.078	Referent	10.1	8.5	12.0	0.087	Referent	45.3	40.5	50.1	0.327	Referent
Asian, non-Latino	10.5 U	7.3	14.9	<0.001	<0.001	3.2	2.2	4.7	<0.001	<0.001	32.1	23.3	42.4	0.017	0.014
Other	22.1	17.0	28.1	0.069	0.420	9.0	5.8	13.8	0.075	0.608	46.6 *	32.0	61.7	0.689	0.881
<b>Barough of residence</b>															
Bronx	22.3	19.6	25.3	0.935	0.493	10.0	8.1	12.2	0.585	0.74	49.6	42.3	56.8	0.426	0.028
Brooklyn	19.1	16.1	22.5	0.357	0.157	6.4	4.7	8.7	0.017	0.237	35.3	28.7	42.4	0.001	0.691
Manhattan	25.6	16.8	36.8	0.552	Referent	9.0	4.9	15.9	0.529	Referent	36.6	29.6	44.3	0.002	Referent
Queens	19.7	17.0	22.7	0.421	0.260	8.9	7.6	10.3	0.202	0.964	48.5 D	43.1	53.9	0.207	0.017
Staten Island	22.1	17.6	27.3	Referent	0.552	11.0	8.4	14.3	Referent	0.529	54.1	46.0	62.0	Referent	0.002
<b>Barough of school</b>															
Bronx	19.1	17.2	21.1	0.161	0.151	7.7	6.3	9.3	0.030	0.119	44.2	37.3	51.3	0.117	0.402
Brooklyn	17.7	15.5	20.2	0.062	0.092	5.2	4.3	6.3	<0.001	0.013	30.8	25.3	36.9	<0.001	<0.001
Manhattan	26.3	17.8	37.0	0.499	Referent	12.0	7.6	18.2	0.800	Referent	48.3	41.9	54.7	0.402	Referent
Queens	21.0	17.4	25.2	0.608	0.324	9.4	7.6	11.6	0.309	0.369	48.1	42.7	53.6	0.355	0.970
Staten Island	22.6	18.3	27.5	Referent	0.499	11.2	8.7	14.3	Referent	0.800	52.6	44.9	60.1	Referent	0.402

<sup>1</sup> Current drinker: Consuming at least 1 alcoholic drink during the past 30 days.<sup>2</sup> Binge drinker: Consuming 5 or more alcoholic drinks in a row (within a couple of hours) at least once during the past 30 days.<sup>3</sup> Sexual identity refers to how youth best describe themselves in terms of their sexual or romantic attraction.<sup>4</sup> Transgender refers to a person whose biological sex at birth does not match the way they think or feel about themselves.<sup>5</sup> White, Black, Asian race categories exclude Latino ethnicity. Latino includes Hispanic or Latino of any race. Other category includes non-Latino students who selected American Indian/Alaska Native, Native Hawaiian/other Pacific Islander, or multiple race categories.

\* Estimate should be interpreted with caution. Estimate's Relative Standard Error (a measure of estimate precision) is greater than 30%, the 95% Confidence Interval half-width is greater than 10, or the sample size is less than 50, making the estimate potentially unreliable.

D Data rounded down to nearest whole number for purposes of reporting in the text.

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95% confidence intervals (CIs) are a measure of estimate precision; the wider the CI, the more imprecise the estimate.

A p-value is a measure of statistical significance. A bold p-value less than .05 means there is a significant difference between that group and the referent (comparison) group.

**Table 2. Frequency of drinking<sup>1</sup> among public high school current drinkers<sup>2</sup> by demographic characteristics, New York City, 2015**

Source: NYC Youth Risk Behavior Survey, 2015

Data are weighted to the NYC public high school student population.

Data are not age-adjusted.

	Infrequent Drinking (One or Two Days)				Moderate Drinking (Three to Five Days)				Frequent Drinking (Six or More Days)						
	Percent	Lower 95% Confidence Interval	Upper 95% Confidence Interval	p-value	p-value	Percent	Lower 95% Confidence Interval	Upper 95% Confidence Interval	p-value	p-value	Percent	Lower 95% Confidence Interval	Upper 95% Confidence Interval	p-value	p-value
Total	57.4	53.8	60.9	~	~	20.8	17.7	24.3	~	~	21.8	19.1	24.8	~	~
<b>Sex</b>															
Female	59.2	53.8	64.3	Referent		21.5 D	17.1	26.6	Referent		19.3	16.3	22.8	Referent	
Male	56.2	51.4	61.0	0.439		19.0	15.8	22.7	0.405		24.8	21.2	28.6	<b>0.011</b>	
<b>Sexual Orientation<sup>3</sup></b>															
Heterosexual (straight)	59.7	55.6	63.6	Referent		18.8	15.5	22.5	Referent		21.6	18.5	24.9	Referent	
Gay/Lesbian/Bisexual	49.6	42.7	56.5	<b>0.010</b>		26.3	19.2	34.8	0.087		24.1	15.6	35.4	0.637	
Not sure	45.6 *	29.6	62.5	0.113		38.9 *	23.6	56.8	<b>0.020</b>		15.5 U*	7.8	28.5	0.283	
<b>Gender identity<sup>4</sup></b>															
Transgender	39.4 *	23.1	58.4	0.052		24.0 *	10.0	47.3	0.736		36.6 *	21.3	55.3	0.097	
Not transgender	58.0	54.4	61.5	Referent		20.7	17.5	24.2	Referent		21.3	18.5	24.4	Referent	
<b>Grade</b>															
9th	62.1	51.7	71.5	Referent	0.131	19.4	12.6	28.7	Referent	0.378	18.5 U	11.8	27.9	Referent	0.354
10th	56.9	47.6	65.7	0.496	0.295	22.6	14.7	33.2	0.593	0.916	20.5 U	15.6	26.5	0.676	0.440
11th	62.7	54.4	70.3	0.926	0.083	16.8	11.9	23.2	0.646	<b>0.045</b>	20.5 D	14.6	28.0	0.696	0.475
12th	52.1	45.5	58.6	0.131	Referent	23.2	18.8	28.3	0.378	Referent	24.7	17.7	33.4	0.354	Referent
<b>Race/ethnicity<sup>5</sup></b>															
White, non-Latino	53.8 *	41.8	65.3	Referent	0.479	23.8	18.8	29.8	Referent	0.163	22.4	15.7	30.9	Referent	0.949
Black, non-Latino	57.4	49.4	65.0	0.668	0.944	21.3	15.0	29.3	0.599	0.669	21.3	14.1	30.9	0.861	0.789
Latino	57.7	53.3	61.9	0.479	Referent	19.7	16.3	23.5	0.163	Referent	22.7	18.7	27.2	0.949	Referent
Asian, non-Latino	71.8 *	59.1	81.8	0.062	<b>0.036</b>	12.7 *	6.0	25.1	0.077	0.164	15.4	9.1	24.9	0.220	0.144
Other	59.8 *	45.7	72.4	0.518	0.775	20.9 *	10.3	37.7	0.683	0.866	19.3	12.2	29.2	0.627	0.481
<b>Borough of residence</b>															
Bronx	53.8	48.6	59.0	0.056	<b>0.049</b>	19.9	14.7	26.3	0.102	0.827	26.3	21.3	31.9	0.822	<b>0.029</b>
Brooklyn	61.5 D	55.1	67.5	< <b>0.001</b>	0.739	20.0	16.1	24.6	<b>0.049</b>	0.769	18.5 D	13.2	25.2	0.058	0.995
Manhattan	62.3	55.5	68.7	<b>0.001</b>	Referent	19.2	15.8	23.1	0.054	Referent	18.5 D	14.0	24.0	<b>0.041</b>	Referent
Queens	58.6	50.2	66.6	<b>0.006</b>	0.459	20.8	14.3	29.3	0.132	0.679	20.5 U	16.2	25.7	0.131	0.577
Staten Island	42.9	34.4	51.9	Referent	<b>0.001</b>	29.7 *	20.6	40.8	Referent	0.054	27.3	20.9	34.9	Referent	<b>0.041</b>
<b>Borough of school</b>															
Bronx	54.0	47.5	60.3	<b>0.041</b>	0.448	19.9	13.3	28.6	0.170	0.572	26.2	21.5	31.4	0.435	0.689
Brooklyn	61.5 D	57.2	65.6	< <b>0.001</b>	0.504	21.4	15.9	28.2	0.224	0.28	17.1	13.2	22.0	0.0	0.095
Manhattan	58.2	49.1	66.7	<b>0.015</b>	Referent	17.5 D	14.1	21.4	<b>0.017</b>	Referent	24.4	17.8	32.4	0.309	Referent
Queens	58.5 U	49.8	66.8	<b>0.011</b>	0.954	22.3	14.6	32.4	0.396	0.323	19.2	15.1	24.1	<b>0.008</b>	0.235
Staten Island	43.7	36.3	51.3	Referent	<b>0.015</b>	27.2	20.7	34.8	Referent	<b>0.017</b>	29.2	23.7	35.3	Referent	0.309

<sup>1</sup> During the past 30 days, the number of days someone had at least one drink of alcohol.

<sup>2</sup> Current drinker: Consuming at least 1 alcoholic drink during the past 30 days.

<sup>3</sup> Sexual identity refers to how youth best describe themselves in terms of their sexual or romantic attraction.

<sup>4</sup> Transgender refers to a person whose biological sex at birth does not match the way they think or feel about themselves.

<sup>5</sup> White, Black, Asian race categories exclude Latino ethnicity. Latino includes Hispanic or Latino of any race. Other category includes non-Latino students who selected American Indian/Alaska Native, Native Hawaiian/other Pacific Islander, or multiple race categories.

\* Estimate should be interpreted with caution. Estimate's Relative Standard Error (a measure of estimate precision) is greater than 30%, the 95% Confidence Interval half-width is greater than 10, or the sample size is less than 50, making the estimate potentially unreliable.

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95% confidence intervals (CIs) are a measure of estimate precision; the wider the CI, the more imprecise the estimate.

A p-value is a measure of statistical significance. A **bold** p-value less than .05 means there is a significant difference between that group and the referent (comparison) group.

**Table 3. Frequency of binge drinking<sup>1</sup> among public high school binge drinkers<sup>2</sup> by demographic characteristics, New York City, 2015**

Source: NYC Youth Risk Behavior Survey, 2015

Data are weighted to the NYC public high school student population.

Data are not age-adjusted.

	Infrequent Drinking (One or Two Days)					Moderate Drinking (Three to Five Days)					Frequent Drinking (Six or More Days)				
	Percent	Lower 95% Confidence Interval	Upper 95% Confidence Interval	p-value	p-value	Percent	Lower 95% Confidence Interval	Upper 95% Confidence Interval	p-value	p-value	Percent	Lower 95% Confidence Interval	Upper 95% Confidence Interval	p-value	p-value
Total	72.3	67.2	76.9	~	~	15.6	11.2	21.3	~	~	12.1	10.0	14.5	~	~
<b>Sex</b>															
Female	72.8	63.9	80.1	Referent		17.1	10.7	26.4	Referent		10.1	7.0	14.4	Referent	
Male	71.7	67.2	75.7	0.807		13.8	10.1	18.6	0.398		14.6	11.3	18.5	0.121	
<b>Sexual Orientation<sup>3</sup></b>															
Heterosexual (straight)	72.8	66.2	78.5	Referent		16.2	11.0	23.2	Referent		11.0	8.6	14.1	Referent	
Gay/Lesbian/Bisexual	69.6 *	50.2	83.9	0.747		15.9 *	7.1	31.7	0.961		14.5 U*	7.2	27.1	0.522	
Not sure	79.2 *	61.3	90.2	0.463		^ ^	^	^			^ ^	^	^		
<b>Gender identity<sup>4</sup></b>															
Transgender	58.5 U*	40.1	74.8	0.192		13.0 *	4.7	31.3	0.707		28.5 U*	14.9	47.6	<b>0.044</b>	
Not transgender	73.1	66.9	78.4	Referent		15.9	11.1	22.3	Referent		11.0	8.7	13.8	Referent	
<b>Grade</b>															
9th	70.8 *	56.1	82.2	Referent	0.461	15.1 *	7.8	27.0	Referent	0.328	14.1	7.8	24.4	Referent	0.742
10th	82.3	73.5	88.6	0.162	<b>0.019</b>	7.3	4.0	12.7	0.126	<b>0.019</b>	10.4	5.9	17.8	0.462	0.647
11th	78.2	73.0	82.6	0.327	0.051	11.7	6.9	19.2	0.563	0.153	10.2	6.0	16.7	0.422	0.579
12th	63.5 D*	50.0	75.1	0.461	Referent	24.0 *	12.8	40.6	0.328	Referent	12.5 D	8.4	18.2	0.742	Referent
<b>Race/ethnicity<sup>5</sup></b>															
White, non-Latino	65.5 U*	53.0	76.2	Referent	0.351	27.8 *	16.6	42.7	Referent	0.059	6.6 *	3.5	12.2	Referent	<b>0.029</b>
Black, non-Latino	80.6	72.9	86.5	<b>0.036</b>	0.084	7.6 *	3.8	14.4	<b>0.006</b>	0.072	11.8 *	6.0	21.9	0.239	0.576
Latino	72.1	65.7	77.7	0.351	Referent	13.0	9.5	17.5	0.059	Referent	14.9	10.2	21.3	<b>0.029</b>	Referent
Asian, non-Latino	55.5 D*	37.9	71.8	0.246	0.068	29.9 *	11.5	58.4	0.851	0.201	14.6 *	5.9	32.1	0.234	0.969
Other	80.1 *	62.3	90.8	0.185	0.282	^ ^	^	^			14.6 *	6.2	30.5	0.231	0.954
<b>Borough of residence</b>															
Bronx	71.0	61.9	78.7	0.373	0.441	13.0	8.1	20.1	0.731	0.243	16.0	9.2	26.3	0.442	0.682
Brooklyn	76.7 *	58.5	88.5	0.196	0.210	18.8 *	7.9	38.5	0.616	0.722	4.4 *	1.7	11.1	<b>0.002</b>	0.169
Manhattan	66.6	59.9	72.6	0.653	Referent	20.9 *	12.6	32.6	0.313	Referent	12.5 U*	4.8	28.8	0.212	Referent
Queens	75.3	68.7	81.0	0.051	<b>0.043</b>	13.3	9.2	18.8	0.758	0.165	11.4	8.5	15.1	<b>0.043</b>	0.852
Staten Island	64.0 *	53.0	73.8	Referent	0.653	14.5 U	8.7	23.2	Referent	0.313	21.4	13.5	32.2	Referent	0.212
<b>Borough of school</b>															
Bronx	64.5 D	57.8	70.6	0.550	0.327	13.9	8.1	22.9	0.416	0.435	21.6	15.9	28.6	0.860	<b>0.001</b>
Brooklyn	81.2	71.5	88.2	<b>0.001</b>	0.249	11.9	6.5	20.8	0.216	0.305	6.9 *	3.0	15.0	<b>0.001</b>	0.847
Manhattan	71.9 *	56.8	83.3	0.189	Referent	20.5 D*	9.4	39.1	0.764	Referent	7.6 *	3.9	14.2	<b>0.001</b>	Referent
Queens	74.8	66.5	81.7	<b>0.022</b>	0.711	13.4	8.9	19.6	0.284	0.374	11.8	8.3	16.5	<b>0.013</b>	0.192
Staten Island	61.2	52.1	69.5	Referent	0.189	18.0	12.2	25.7	Referent	0.764	20.8	15.6	27.2	Referent	<b>0.001</b>

<sup>1</sup> During the past 30 days, the number of days someone had five or more drinks of alcohol in a row, that is, within a couple of hours.

<sup>2</sup> Binge drinker: Consuming 5 or more alcoholic drinks in a row (within a couple of hours) at least once during the past 30 days.

<sup>3</sup> Sexual identity refers to how youth best describe themselves in terms of their sexual or romantic attraction.

<sup>4</sup> Transgender refers to a person whose biological sex at birth does not match the way they think or feel about themselves.

<sup>5</sup> White, Black, Asian race categories exclude Latino ethnicity. Latino includes Hispanic or Latino of any race. Other category includes non-Latino students who selected American Indian/Alaska Native, Native Hawaiian/other Pacific Islander, or multiple race categories.

\* Estimate should be interpreted with caution. Estimate's Relative Standard Error (a measure of estimate precision) is greater than 30%, the 95% Confidence Interval half-width is greater than 10, or the sample size is less than 50, making the estimate potentially unreliable.

^ Data are suppressed due to imprecise and unreliable estimates.

D Data rounded down to nearest whole number for purposes of reporting in the text.

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95% confidence intervals (CIs) are a measure of estimate precision; the wider the CI, the more imprecise the estimate.

A p-value is a measure of statistical significance. A **bold** p-value less than .05 means there is a significant difference between that group and the referent (comparison) group.

**Table 4. Alcohol consumption before age 13 years among public high school students by demographic characteristics, New York City, 2015**

Source: NYC Youth Risk Behavior Survey, 2015

Data are weighted to the NYC public high school student population.

Data are not age-adjusted.

	Alcohol Consumption Before Age 13 Years <sup>1</sup>					Prevalence of Alcohol Consumption before Age 13 Years <sup>1</sup> by Drinking Status									
	Percent	Lower 95% Confidence Interval	Upper 95% Confidence Interval	p-value	p-value	Percent	Lower 95% Confidence Interval	Upper 95% Confidence Interval	p-value	p-value	Percent	Lower 95% Confidence Interval	Upper 95% Confidence Interval	p-value	p-value
Total	18.2	16.9	19.5	~	~	36.9	33.4	40.6	~	~	39.3	34.1	44.9	~	~
<b>Sex</b>															
Female	17.4	15.8	19.1	Referent		31.5 D	27.2	36.1	Referent		32.7	25.6	40.7	Referent	
Male	18.5 U	16.8	20.4	0.299		43.6	38.9	48.4	<0.001		45.9	38.5	53.5	0.019	
<b>Sexual Orientation<sup>3</sup></b>															
Heterosexual (straight)	16.8	15.5	18.3	Referent		35.9	32.1	39.9	Referent		36.1	30.8	41.9	Referent	
Gay/Lesbian/Bisexual	27.3	22.1	33.3	<0.001		38.1	29.6	47.4	0.648		48.5 U*	37.4	59.8	0.030	
Not sure	24.7	19.6	30.6	0.004		48.8 *	34.6	63.2	0.102		58.9 *	41.5	74.3	0.021	
<b>Gender identity<sup>4</sup></b>															
Transgender	33.2 *	23.0	45.3	0.010		52.3 *	37.4	66.7	0.041		59.9 *	40.7	76.6	0.029	
Not transgender	17.7	16.4	19.2	Referent		36.3	32.8	40.0	Referent		38.0	32.6	43.7	Referent	
<b>Grade</b>															
9th	21.0	17.7	24.8	Referent	0.005	55.7 *	44.6	66.2	Referent	<0.001	66.5 D*	53.5	77.3	Referent	<0.001
10th	17.9	14.9	21.4	0.209	0.210	41.7	34.4	49.4	0.033	0.001	43.8 *	33.2	55.1	0.003	0.016
11th	17.5 U	15.0	20.4	0.134	0.223	34.3	29.2	39.8	0.002	0.007	37.5 D	30.0	45.5	<0.001	0.024
12th	15.1	13.0	17.4	0.005	Referent	25.3	21.3	29.7	<0.001	Referent	26.9	21.6	32.9	<0.001	Referent
<b>Race/ethnicity<sup>5</sup></b>															
White, non-Latino	14.0	11.1	17.5	Referent	0.002	26.6	22.1	31.7	Referent	0.001	26.2	20.2	33.2	Referent	<0.001
Black, non-Latino	20.9	17.5	24.8	0.003	0.739	37.4	30.6	44.8	0.011	0.795	39.9 *	25.5	56.3	0.140	0.651
Latino	20.2	18.8	21.8	0.002	Referent	38.7	33.4	44.2	0.001	Referent	44.1	38.1	50.2	<0.001	Referent
Asian, non-Latino	12.1	9.0	16.0	0.537	<0.001	40.9 *	30.2	52.6	0.031	0.707	35.9 *	17.6	59.4	0.337	0.490
Other	17.0	12.8	22.2	0.317	0.219	35.7 *	23.4	50.3	0.206	0.701	47.4 *	26.4	69.4	0.081	0.772
<b>Borough of residence</b>															
Bronx	18.7	16.6	21.1	0.095	0.938	37.0	30.1	44.3	0.567	0.652	44.3	35.7	53.2	0.818	0.200
Brooklyn	17.8	15.2	20.7	0.290	0.737	37.5 D	32.2	43.1	0.434	0.558	35.1 *	25.0	46.7	0.236	0.811
Manhattan	19.0	13.8	25.6	0.348	Referent	33.2 *	22.7	45.7	0.937	Referent	33.0 *	22.7	45.3	0.142	Referent
Queens	17.9	15.5	20.5	0.239	0.719	38.2	29.7	47.5	0.418	0.453	39.0 *	28.0	51.2	0.385	0.431
Staten Island	15.6	12.6	19.0	Referent	0.348	33.8	26.1	42.4	Referent	0.937	46.2 *	33.0	60.0	Referent	0.142
<b>Borough of school</b>															
Bronx	17.0	14.2	20.2	0.163	0.341	40.5 D	32.6	48.9	0.010	0.042	48.9	40.5	57.4	0.016	0.001
Brooklyn	18.6	16.6	20.8	0.009	0.786	40.8	36.6	45.2	<0.001	0.001	45.6	36.0	55.6	0.072	0.012
Manhattan	19.2	16.1	22.7	0.021	Referent	31.0	27.1	35.2	0.278	Referent	29.6	22.5	37.8	0.624	Referent
Queens	18.7	16.0	21.7	0.021	0.837	39.3 *	29.1	50.6	0.053	0.159	41.2 *	29.7	53.9	0.288	0.114
Staten Island	14.2	11.9	16.9	Referent	0.021	27.0	21.5	33.4	Referent	0.278	32.7	23.5	43.4	Referent	0.624

<sup>1</sup> During the past 30 days, the number of days someone had five or more drinks of alcohol in a row, that is, within a couple of hours.

<sup>2</sup> Binge drinker: Consuming 5 or more alcoholic drinks in a row (within a couple of hours) at least once during the past 30 days.

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<sup>5</sup> White, Black, Asian race categories exclude Latino ethnicity. Latino includes Hispanic or Latino of any race. Other category includes non-Latino students who selected American Indian/Alaska Native, Native Hawaiian/other Pacific Islander, or multiple race categories.

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