



# Epi Data Tables

New York City Department of Health and Mental Hygiene

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## Consumption of Sugar Sweetened Beverages in New York City

### Data Tables

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### Data Sources

**Youth Risk Behavior Survey 2009:** The Youth Risk Behavior Survey (YRBS) is a self-administered, anonymous survey conducted in NYC public high schools in odd years by the Department of Education and the Health Department. For more survey details, visit [www.nyc.gov/html/doh/html/episrv/episrv-youthriskbehavior.shtml](http://www.nyc.gov/html/doh/html/episrv/episrv-youthriskbehavior.shtml)

**Child Health Survey 2009:** The **Child Health Survey** is a population-based telephone survey conducted in 2009 by the Health Department with support from Children's Health Fund. A parent, guardian or other knowledgeable adult (referred to as "parents") was interviewed about the health of one child in the selected household for a total sample of 3,002 children. All estimates presented here are limited and weighted to the NYC population of children aged six to 12 using the 2006-2008 American Community Survey (PUMS).

[To access the related Epi Data Brief, go to www.nyc.gov/html/doh/downloads/pdf/epi/databrief4.pdf](http://www.nyc.gov/html/doh/downloads/pdf/epi/databrief4.pdf)

**Table 1. Daily sugar sweetened beverage<sup>1</sup> consumption by neighborhood, 2009.***Consumed At Least One Sugar Sweetened Beverage Per Day, On Average,*

Source: NYC Community Health Survey (CHS) 2007-09. CHS has included adults with landline phones since 2002 and, starting in 2009, also has included adults who can be reached only by cell-phone.

CHS 2002-2008 data are weighted to the NYC adult population per Census 2000; starting in 2009, data are weighted to 2008 HVS for phone usage and the Census 2000.

Data are age-adjusted to the US 2000 Standard Population.

Characteristic	CHS 2009			CHS 2008			CHS 2007		
	%	95% Confidence Interval		%	95% Confidence Interval		%	95% Confidence Interval	
		Lower Limit	Upper limit		Lower Limit	Upper limit		Lower Limit	Upper limit
<i>Overall</i>	31.6 <sup>U</sup>	30.2	33.0	32.6	31.1	34.1	35.9	34.6	37.1
<i>Age</i>									
18-24	47.6 <sup>U</sup>	41.7	53.5	51.5	45.0	57.9	58.4	53.3	63.3
25-44	36.1	33.7	38.6	33.8	31.4	36.2	38.8	36.7	40.9
45-64	25.9	23.9	28.0	27.1	25.1	29.2	28.3	26.5	30.1
65 or older	18.6 <sup>U</sup>	16.7	20.6	25.0	22.6	27.5	25.4	23.2	27.7
<i>Gender</i>									
Male	35.8 <sup>U</sup>	33.6	37.9	35.8	33.5	38.2	41.0	39.0	42.9
Female	27.7 <sup>U</sup>	25.9	29.6	29.8	27.9	31.7	31.2	29.6	32.9
<i>Race/ethnicity</i>									
White, non-Hispanic	21.9 <sup>U</sup>	19.9	24.1	24.3	22.0	26.7	25.9	23.9	28.1
Black, non-Hispanic	45.1 <sup>D</sup>	42.0	48.1	40.5	37.5	43.6	45.7	43.3	48.2
Hispanic	38.2 <sup>D</sup>	35.3	41.1	44.0	40.9	47.1	48.3	45.7	50.9
Asian/Pacific Islander	20.9 <sup>U</sup>	17.1	25.3	20.2	16.4	24.8	20.6	17.1	24.7
Other	26.5	18.4	36.5	25.7	18.2	34.9	36.5	28.9	44.8
<i>Borough</i>									
Bronx	40.3 <sup>D</sup>	37.0	43.7	40.9	37.4	44.5	46.1	42.8	49.4
Brooklyn	33.8	31.3	36.4	32.1	29.5	34.7	36.9	34.9	39.0
Manhattan	24.2 <sup>D</sup>	21.2	27.6	25.1	22.2	28.3	27.1	24.4	29.9
Queens	29.5	26.9	32.3	33.9	30.9	37.1	36.0	33.5	38.6
Staten Island	33.4	28.9	38.2	34.7	29.8	39.9	36.9	32.4	41.7
<i>Neighborhood income</i>									
Low-income	37.9 <sup>U</sup>	35.3	40.6	38.4	35.9	41.0	43.8	41.7	45.9
Medium-income	31.9	29.6	34.2	32.9	30.4	35.4	36.0	34.0	38.1
High-income	23.9 <sup>U</sup>	21.5	26.5	26.2	23.6	29.0	27.5	25.1	30.0
<i>Poverty (% federal poverty level)</i>									
<200%	37.6	35.2	40.1	38.7	36.1	41.3	42.7	40.5	45.0
200-399%	34.8	31.2	38.5	36.6	32.8	40.5	38.0	34.8	41.2
≥400%	24.9	22.6	27.5	25.2	22.7	27.8	28.8	26.7	31.1
Don't know	31.8	26.7	37.4	34.3	29.1	39.8	43.8	38.4	49.3
<i>Education</i>									
High school or less	39.6 <sup>U</sup>	37.1	42.1	40.0	37.5	42.5	44.1	42.0	46.1
Some college or more	27.1 <sup>D</sup>	25.4	28.9	28.1	26.3	30.0	30.1	28.5	31.8

<sup>1</sup> Sugar-sweetened beverages include sugar-sweetened sodas and other sugar-sweetened drinks like iced tea, sports drinks or fruit punch  
95% confidence intervals are a measure of estimate precision. The wider the interval, the more imprecise the estimate.

All .5 estimates should be rounded up to the nearest whole number for purposes of reporting.

<sup>D</sup> Data rounded down to nearest whole number for purposes of reporting.<sup>U</sup> Data rounded up to nearest whole number for purposes of reporting.

**Table 2. Daily sugar sweetened beverage<sup>1</sup> consumption by neighborhood, 2009.***Respondents were asked how many 12 oz. sugar-sweetened beverages they drink per day on average*

Source: NYC Community Health Survey, 2009. CHS has included adults with landline phones since 2002 and, starting in 2009, also has included adults who can be reached only by cell-phone.

CHS 2002-2008 data are weighted to the NYC adult population per Census 2000; starting in 2009, data are weighted to 2008 HVS for phone usage and the Census 2000.

Data are age-adjusted to the US 2000 Standard Population.

Neighborhood	%	None 95% Confidence Interval		%	One or more 95% Confidence Interval	
		Lower Limit	Upper Limit		Lower Limit	Upper Limit
Kingsbridge and Riverdale	38.0	30.2	46.4	31.6	25.5	38.4
The Northeast Bronx	32.6	26.2	39.7	40.5	32.7	48.9
Fordham/Bronx Park	36.2	30.1	42.7	39.1	32.1	46.5
Pelham/Throgs Neck	35.6	29.3	42.4	38.3	31.1	46.2
The South Bronx	25.8	22.3	29.7	45.5	40.1	51.0
Greenpoint	39.1	30.5	48.5	27.4	19.1	37.7
Downtown Brooklyn/Heights/Slope	49.4	43.2	55.8	19.8	13.6	27.9
Bedford Stuyvesant/Crown Heights	26.9	21.3	33.4	44.6	37.2	52.3
East New York/New Lots	26.7	20.2	34.3	42.7	33.8	52.0
Sunset Park	36.9	28.5	46.2	32.7	23.2	43.9
Borough Park	46.3	39.4	53.3	23.8	17.4	31.7
Flatbush	31.9	25.0	39.6	45.7	37.9	53.7
Canarsie and Flatlands	40.6	32.9	48.7	37.8	30.5	45.8
Bay Ridge/Bensonhurst	42.7	35.9	49.7	29.9	21.3	40.2
Coney Island	50.1	43.1	57.1	29.5	22.3	37.9
Williamsburg/Bushwick	29.2	22.5	36.9	41.8	33.7	50.4
Washington Heights/Inwood	41.9	32.5	51.9	32.9	24.7	42.2
Central Harlem	30.2*	20.8	41.5	44.2	33.6	55.4
East Harlem	25.1	17.0	35.5	37.2	27.7	47.8
Upper West Side	57.8	46.4	68.4	18.4	11.2	28.7
Upper East Side/Gramercy	54.7	47.6	61.7	18.4	13.2	25.0
Chelsea/Greenwich Village	62.0	54.2	69.3	11.2	7.7	16.0
Union Square/Lower Manhattan	43.8	36.4	51.6	21.1	14.8	29.3
Long Island City/Astoria	44.9	36.8	53.2	25.1	18.4	33.2
West Queens	40.9	35.3	46.6	33.7	27.4	40.7
Flushing/Clearview	50.5	42.0	58.9	25.1	18.3	33.3
Bayside/Little Neck/Fresh Meadows	49.7	42.4	57.0	21.5	15.7	28.8
Ridgewood/Forest Hills	41.6	33.2	50.5	30.5	22.4	40.0
Southwest Queens	39.8	32.2	48.0	31.9	25.0	39.7
Jamaica	34.2	27.6	41.5	30.4	23.2	38.8
Southeast Queens	31.1	24.8	38.0	34.8	26.2	44.6
The Rockaways	48.5	37.1	60.0	26.5	17.9	37.4
Northern Staten Island	41.7	35.0	48.8	35.0	28.6	41.9
Southern Staten Island	43.3	36.7	50.3	30.8	24.5	37.8

<sup>1</sup>Sugar-sweetened beverages include sugar-sweetened sodas and other sugar-sweetened drinks like iced tea, sports drinks or fruit punch  
95% confidence intervals are a measure of estimate precision. The wider the interval, the more imprecise the estimate.

**Table 3. Daily sugar sweetened beverage<sup>1</sup> consumption by different characteristics, 2009.**  
**Respondents were asked how many 12 oz. sugar-sweetened beverages they drink per day on average**

Source: NYC Community Health Survey, 2009. CHS has included adults with landline phones since 2002 and, starting in 2009, also has included adults who can be reached only by cell-phone.  
 Data are age-adjusted to the US 2000 Standard Population.

'U.S. born' includes NYC residents born in Puerto Rico and other U.S. territories

Weight Status: Body Mass Index (BMI) is calculated based on respondents' self-reported weight and height. A BMI between 25.0 and 29.9 is classified as overweight, and a BMI of 30 or greater is classified as obese.

Physical activity: During the past 30 days, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?

Fruit/vegetable consumption: How many total servings of fruit and/or vegetables did you eat yesterday? A serving would equal one medium apple, a handful of broccoli, or a cup of carrots.

Characteristic	None			One or more		
	%	95% Confidence Interval		%	95% Confidence Interval	
		Lower Limit	Upper Limit		Lower Limit	Upper Limit
<b>Foreign vs US born</b>						
US born	40.3	38.6	42.0	33.9 <sup>U</sup>	32.1	35.8
Foreign born	41.8	39.7	44.0	28.2 <sup>D</sup>	26.0	30.4
<b>Weight Status</b>						
Under/normal weight	46.2	44.1	48.3	27.0	25.0	29.1
Overweight but not obese	37.7	35.4	40.0	33.5	30.9	36.1
Obese	35.7	33.1	38.4	38.5 <sup>D</sup>	35.4	41.6
<b>Age and race/ethnicity</b>						
18-24						
White Non Hispanic	28.9	20.0	39.8	34.0	24.2	45.3
Black Non Hispanic	7.8*	3.3	17.3	68.6	55.2	79.4
Hispanic	11.7	6.9	19.1	52.9	43.3	62.2
Asian/Pacific Islander	23.6*	12.6	39.9	25.0*	13.5	41.6
Other	#	#	#	46.4*	16.7	78.9
25-44						
White Non Hispanic	47.0	43.0	51.0	23.5	20.3	27.1
Black Non Hispanic	18.8	15.0	23.2	51.0	45.7	56.2
Hispanic	24.8	20.9	29.2	43.7	39.0	48.5
Asian/Pacific Islander	28.8	22.2	36.4	27.2	20.3	35.3
Other	41.8	24.7	61.2	27.0	14.8	44.1
45-64						
White Non Hispanic	57.9	54.5	61.3	18.7	16.3	21.4
Black Non Hispanic	35.2	31.2	39.5	36.2	32.0	40.7
Hispanic	41.1	36.0	46.3	33.5	28.6	38.8
Asian/Pacific Islander	57.0	48.7	65.0	17.1	11.8	24.1
Other	43.4	23.6	65.5	21.8*	11.2	38.2
65 and over						
White Non Hispanic	74.3	71.3	77.0	14.6	12.5	17.1
Black Non Hispanic	50.8	44.9	56.6	28.8	24.0	34.1
Hispanic	54.3	47.3	61.2	22.1	17.4	27.5
Asian/Pacific Islander	83.7	74.1	90.3	9.8*	4.9	18.6
Other	44.9*	25.7	65.6	18.5*	6.6	42.2
<b>Physical Activity</b>						
Yes	42.9	41.3	44.5	29.1 <sup>D</sup>	27.5	30.7
No	35.4	33.1	37.7	38.6 <sup>U</sup>	35.8	41.5
<b>Fruit and Vegetable consumption</b>						
None	29.6	26.2	33.2	45.4 <sup>D</sup>	41.4	49.4
1 to 4	40.4	38.8	42.0	31.3	29.7	33.0
5 or more	57.0	52.8	61.1	14.7 <sup>U</sup>	11.7	18.4
<b>High Risk Neighborhoods</b>						
South Bronx	5.8	22.4	29.7	45.5	40.1	51.0
North and Central Brooklyn	7.4	23.7	31.6	43.2	38.3	48.4
East and Central Harlem	8.0	20.7	36.6	41.7	33.4	50.6
All other Neighborhoods	3.6	42.1	45.1	29.1	27.6	30.6

<sup>1</sup> Sugar-sweetened beverages include sugar-sweetened sodas and other sugar-sweetened drinks like iced tea, sports drinks or fruit punch

95% confidence intervals are a measure of estimate precision. The wider the interval, 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 # Data are suppressed due to imprecise and unreliable estimates.

<sup>D</sup> Data rounded down to nearest whole number for purposes of reporting.

<sup>U</sup> Data rounded up to nearest whole number for purposes of reporting.

**Table 4. Daily sugar sweetened beverage<sup>1</sup> consumption among public high school students in NYC, 2009.**

Source: NYC Youth Risk Behavior Survey, 2009

Data weighted to NYC public high school student population

Weight categories determined by Body Mass Index (BMI) percentile: Underweight/Healthy weight (less than 5th percentile to less than 85th percentile ), Overweight (85th percentile to less than 95th percentile), and Obese (greater than or equal to 95th percentile).

Characteristic	No consumption of SSBs in past 7 days			Consumed 2+ SSBs per day in past 7 days		
	%	95% Confidence Interval		%	95% Confidence Interval	
		Lower Limit	Upper Limit		Lower Limit	Upper Limit
Overall consumption	8.4	7.2	9.8	26.5 <sup>D</sup>	24.5	28.6
<i>Weight status</i>						
Under/healthy weight	7.8	6.4	9.5	25.9	23.4	28.6
Overweight	7.1	5.6	8.9	27.6	24.8	30.5
Obese	10.4	8.1	13.4	26.7	22.9	30.9
<i>Borough of school</i>						
Bronx	6.4	5.0	8.1	30.6	28.1	33.2
Brooklyn	8.6	5.5	13.3	28.2	22.7	34.4
Manhattan	8.9	7.6	10.4	24.9	21.5	28.6
Queens	8.9	7.1	11.1	22.9	19.8	26.4
Staten Island	9.6	8.0	11.3	26.7	24.3	29.1
<i>TV watching</i>						
More than 3 hours per school day	5.0	4.0	6.3	33.8	31.3	36.3
Less than 3 hours or no TV watching per school day	11.1	9.5	13.0	20.3	18.3	22.4
<i>Computer/video game playing</i>						
More than 3 hours per school day	5.9	4.6	7.6	31.9	28.0	35.9
Less than 3 hours or no playing per school day	10.3	8.9	11.9	22.0	20.5	23.7

<sup>1</sup>Sugar-sweetened beverages include sugar-sweetened sodas and other sugar-sweetened drinks like iced tea, sports drinks or fruit punch

95% confidence intervals are a measure of estimate precision. The wider the interval, the more imprecise the estimate.

<sup>D</sup> Data rounded down to nearest whole number for purposes of reporting.

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