



Epi Data Tables

New York City Department of Health and Mental Hygiene

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Trends in Cigarette Use among Adults in New York City, 2002-2010

Data Tables

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Data Sources

Community Health Survey 2002-2010: The NYC Community Health Survey (CHS) is a telephone health survey of approximately 10,000 adults ages 18 and older, conducted annually by the Health Department. 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 NYC adult population per Census 2000; starting in 2009, data are weighted to 2008 HVS for phone usage and Census 2000. Except for age-specific estimates, data are age-adjusted to the US 2000 Standard Population. For more survey details, visit www.nyc.gov/health/survey

Youth Risk Behavior Survey 2001-2009: 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

National Health Interview Survey 2002-2010: The National Health Interview Survey (NHIS) is administered by the CDC's National Center for Health Statistics. Since 1957, the survey has monitored key demographic and health-related measures and trends in the civilian, non-institutionalized population. For more survey details, visit www.cdc.gov/nchs/nhis.htm

To access the related Epi Data Brief, go to www.nyc.gov/html/doh/downloads/pdf/epi/databrief12.pdf

Table 1. Prevalence of Current Smoking Among Adults Aged 18 years and Over, By Sex--New York City and United States, 2002 -2010.*Current smokers have smoked more than 100 cigarettes in their lifetime and now smoke every day or some days*

Source: NYC Community Health Survey (CHS) 2002-2010. 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 NYC adult population per Census 2000; starting in 2009, data are weighted to 2008 HVS for phone usage and Census 2000. Data are age-adjusted to the US 2000 Standard Population.

Source: CDC/NCHS, National Health Interview Survey, 2002–2010, Sample Adult Core component. Data are based on household interviews of a sample of the civilian non-institutionalized population. Prevalence of current smoking by sex are from MMWRs for each corresponding year. However, beginning in 2002, the National Health Interview Survey transitioned to weights derived from the 2000 census. Thus, total prevalence of current smoking among all adults presented here are based on weights derived from the 2000 census such that the data are age adjusted using the projected 2000 U.S. population as the standard population and using five age groups: 18–24, 25–34, 35–44, 45–64, and 65 and over. More Information: www.cdc.gov/nchs/nhis/released201106.htm OR www.cdc.gov/vitalsigns

Year	United States									New York City									P-value NYC vs US
	Total			Male			Female			Total			Male			Female			
	%	95% Confidence Interval		%	95% Confidence Interval		%	95% Confidence Interval		%	95% Confidence Interval		%	95% Confidence Interval		%	95% Confidence Interval		
	Lower Limit	Upper Limit		Lower Limit	Upper Limit		Lower Limit	Upper Limit		Lower Limit	Upper Limit		Lower Limit	Upper Limit		Lower Limit	Upper Limit		
2002	22.3	21.7	22.9	25.2	24.3	26.1	20.0	19.2	20.8	21.5	20.5	22.6	23.3	21.7	25.0	19.8	18.5	21.1	0.2
2003	21.5	20.9	22.1	24.1	23.3	24.9	19.2	18.5	19.9	19.2	18.4	20.1	21.5	20.2	22.9	17.2	16.1	18.3	<.001
2004	20.8	20.2	21.4	23.4	22.5	24.3	18.5	17.8	19.2	18.3	17.4	19.3	21.6	20.1	23.2	15.5	14.4	16.6	<.001
2005	20.8	20.2	21.4	23.9	22.9	24.9	18.1	17.4	18.8	18.9	17.9	19.9	22.5	20.9	24.2	15.6	14.5	16.8	<.001
2006	20.8	20.1	21.4	23.9	22.8	25.0	18.0	17.2	18.8	17.5	16.6	18.5	19.9	18.4	21.5	15.3	14.1	16.6	<.001
2007	19.8	18.8	20.5	22.3	21.1	23.5	17.4	16.5	18.3	16.9	15.9	17.9	20.1	18.5	21.9	14.0	12.8	15.3	<.001
2008	20.4	19.6	21.2	23.1	22.0	24.2	18.3	17.3	19.3	15.8	14.6	17.1	18.5	16.6	20.6	13.3	11.9	14.8	<.001
2009	20.6	19.9	21.3	23.5	22.4	24.5	17.9	17.1	18.7	15.8	14.7	16.9	17.9	16.1	19.7	13.9	12.5	15.4	<.001
2010	19.3	18.7	19.9	21.5	20.7	22.3	17.3	16.5	18.1	14.0	12.9	15.3	16.1	14.3	18.1	12.2	10.8	13.7	<.001

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

Table 2. Prevalence of Current Smoking Among Adults Aged 18 years and Over, By Selected Characteristics--New York City, 2002 vs 2010

Current smokers have smoked more than 100 cigarettes in their lifetime and now smoke every day or some days

Source: NYC Community Health Survey (CHS) 2002, 2010. 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 NYC adult population per Census 2000; starting in 2009, data are weighted to 2008 HVS for phone usage and Census 2000. Except for age-specific estimates, data are age-adjusted to the US 2000 Standard Population.

Education is restricted to adults 25+ years

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

Characteristic	2002			2010			P-value	
	%	95% Confidence Interval		%	95% Confidence Interval		2002 v 2010	2010
		Lower Limit	Upper Limit		Lower Limit	Upper Limit		
All New Yorkers	21.5	20.5	22.6	14.0	12.9	15.2		
Age Group								
18-24	23.8	20.7	27.2	13.6	9.8	18.6	0.000	0.012
25-44	24.3	22.6	26.0	15.8	13.9	17.9	0.000	0.000
45-64	23.4	21.4	25.6	15.5	13.7	17.5	0.000	0.000
65+	10.0	8.4	11.9	7.6	5.9	9.6	0.062	referent
Race/Ethnicity								
Non-Hispanic White	23.8	22.1	25.6	15.6	13.6	17.8	0.000	referent
Non-Hispanic Black	20.8	18.8	22.9	12.5	10.5	14.7	0.000	0.037
Hispanic	21.4	19.5	23.5	15.5	13.1	18.2	0.000	0.949
Asian Pacific Islander	15.3	11.9	19.3	10.8	7.5	15.3	0.098	0.030
Other	22.8	15.8	31.7	11.7	7.3	18.4	0.025	0.193
Sex								
Male	23.3	21.7	25.0	16.1	14.3	18.1	0.000	referent
Female	19.8	18.5	21.1	12.2	10.8	13.7	0.000	0.001
Borough								
Bronx	25.2	22.6	27.9	16.2	13.7	19.0	0.000	0.252
Brooklyn	19.7	18.0	21.5	13.9	12.0	16.0	0.000	0.860
Manhattan	21.1	19.1	23.3	12.8	10.2	16.0	0.000	0.767
Queens	20.8	18.6	23.1	14.1	11.9	16.6	0.000	0.805
Staten Island	27.2	23.0	31.8	13.5	10.2	17.6	0.000	referent
Education								
HS graduate or less	24.0	22.2	25.8	17.3	15.2	19.7	0.000	0.000
Some college or more	19.3	17.9	20.7	12.5	11.1	13.9	0.000	referent
Nativity								
US born	25.7	24.4	27.1	16.5	15.0	18.1	0.000	0.000
Foreign born	15.1	13.5	16.8	11.2	9.5	13.1	0.002	referent

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

Table 3. Demographic Characteristics of Non-Daily, Light and Heavy Smokers, Adults Aged 18 years and Over--New York City, 2010**Current smokers have smoked more than 100 cigarettes in their lifetime and now smoke every day or some days**

Source: NYC Community Health Survey (CHS) 2010. 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 NYC adult population per Census 2000; starting in 2009, data are weighted to 2008 HVS for phone usage and Census 2000. Except for age-specific estimates, data are age-adjusted to the US 2000 Standard Population.

Non-Daily smoker refers to current some day smoker who smokes <11 cigarettes per day; Light Daily smoker refers to current every day smoker who smokes <11 cigarettes per day; Heavy smoker refers to ALL current smokers including some day smokers who smoke >=11 cigarettes per day. Cigarettes per day was imputed when information on number of days smoked or number of cigarettes smoked was missing (69 cases in 2010).

Education is restricted to adults 25+ years

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

Non-specific psychological distress (NSPD) is measured by Kessler's K6 scale, a series of 6 questions regarding symptoms of anxiety, depression and other emotional problems.

Heavy drinking is defined as an average of more than 2 drinks per day for men and more than 1 drink per day for women. Binge drinking is defined as five or more drinks on one occasion in the past 30 days.

Characteristic	Non-Daily Smoker (N=311,000)	Light Daily Smoker (N=316,000)	Heavy Smoker (N=226,000)	p-value Non-Daily v. Heavy	p-value Light v. Heavy	p-value Non-Daily v. Light
Overall	35.6	37.0	27.4	0.001	0.001	0.850
Mean CPD (SE Mean)	2 (0.1)	7 (0.2)	23 (1.0)	<.001	<.001	<.001
Income (% of Poverty Level)						
< 200	47.1	49.8	43.2	0.476	0.256	0.611
200 - 399	19.1	15.4	12.0	0.045	0.294	0.314
400+	28.4	26.9	30.7	0.651	0.506	0.772
Borough						
Bronx	16.7	18.5	15.5	0.757	0.435	0.614
Brooklyn	30.2	27.6	29.6	0.910	0.707	0.556
Manhattan	15.6	22.7	19.3	0.393	0.538	0.140
Queens	32.4	27.3	28.3	0.456	0.842	0.275
Staten Island	5.1*	3.9	7.2	n/c	0.060	n/c
Age Group						
18-24	14.6	16.4	^	n/c	n/c	0.717
25-44	52.0	45.4	47.5	0.453	0.734	0.215
45-64	26.8	30.5	36.3	0.067	0.272	0.387
65+	6.6	7.7	11.2	0.063	0.242	0.643
Race/Ethnicity						
White	41.3	31.3	54.0	0.018	<.001	0.044
Black	25.0	23.0	10.4	<.001	0.001	0.618
Hispanic	27.2	36.8	24.0	0.509	0.020	0.062
Asian Pacific Islander	5.6*	7.0	10.4*	n/c	n/c	n/c
Other	1.0*	2.0*	1.2*	n/c	n/c	n/c
Education						
HS graduate or less	39.2	44.3	48.5	0.101	0.486	0.326
Some college or more	60.8	55.7	51.5			
Sex						
Male	50.6	47.1	66.4	0.002	<.001	0.500
Female	49.4	52.9	33.6			
Nativity						
US born	65.9	66.3	65.4	0.927	0.872	0.931
Foreign born	34.1	33.7	34.6			
Time to First Cigarette						
Within an hour	21.5	59.0	85.5	<.001	<.001	<.001
More than 1 hour	78.5	41.0	14.5			
Cessation Attempts Past 12 Months	73.4	51.4	54.8	<.001	0.549	<.001
Non Specific Psych Distress (NSPD)	3.4*	9.1	13.8	n/c	0.263	n/c
Alcohol Use						
Heavy Drinker	11.6	15.7	13.6	0.626	0.683	0.350
Binge Drinker	28.7	24.9	38.0	0.061	0.007	0.366

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 sample size is less than 50, making the estimate potentially unreliable

^ Data are suppressed due to imprecise and unreliable estimates.

n/c: not calculated (one or more estimates is unreliable)

Table 4. Prevalence of Current Smoking Overall and Among Persons Reporting Heavy Drinking and Non-Specific Psychological Distress (NSPD)--New York City, 2002 vs 2010

Current smokers have smoked more than 100 cigarettes in their lifetime and now smoke every day or some days

Source: NYC Community Health Survey (CHS) 2002, 2010. 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 NYC adult population per Census 2000; starting in 2009, data are weighted to 2008 HVS for phone usage and Census 2000. Except for age-specific estimates, data are age-adjusted to the US 2000 Standard Population.

Non-specific psychological distress (NSPD) is measured by Kessler’s K6 scale, a series of 6 questions regarding symptoms of anxiety, depression and other emotional problems.

Heavy drinking is defined as an average of more than 2 drinks per day for men and more than 1 drink per day for women.

Characteristic	2002			2010			P-value		
	%	95% Confidence Interval		%	95% Confidence Interval		2002 v 2010	2002	2010
		Lower Limit	Upper Limit		Lower Limit	Upper Limit			
Current Smoking Overall	21.5	20.5	22.6	14.0	12.9	15.2	<.001		
Heavy Drinking	42.8	37.2	48.5	33.4	26.0	41.8	0.061		
<i>Men (ref)</i>	45.1	37.3	53.1	26.9	19.3	36.3	0.002	0.362	0.195
<i>Women</i>	40.0	32.7	47.7	35.7	26.3	46.3	0.510		
Non Specific Psych Distress (NSPD)	29.1	24.9	33.8	27.3	20.3	35.6	0.688		
<i>Men (ref)</i>	26.2	19.9	33.7	36.2	23.4	51.3	0.220	0.270	0.060
<i>Women</i>	31.3	25.9	37.3	20.8	14.5	28.9	0.026		

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