

Pregnancy Risk Assessment Monitoring System (PRAMS)

What is PRAMS?

The Pregnancy Risk Assessment Monitoring System (PRAMS) is an ongoing population-based survey of new mothers designed to monitor maternal experiences and behaviors before, during and after pregnancy. The Centers for Disease Control and Prevention (CDC) developed PRAMS in 1987 to provide data to develop and evaluate programs to reduce infant mortality and low birth weight.

As of 2007, PRAMS is conducted in 37 states, the South Dakota Sioux Tribal Nation, and New York City, representing 75% of all births in the United States.

PRAMS in New York City

Data collection for PRAMS in New York City (NYC) began in 2001. Each month, approximately 180 NYC residents who have given birth in the previous 2-4 months in NYC are randomly selected from registered birth certificates to participate in PRAMS. The survey is mailed to women, and those who do not respond are contacted by telephone. Women are mailed an incentive to participate. The survey is in English and Spanish, and includes 80 items on these topics: unintended pregnancy, contraceptive use, prenatal care, breastfeeding, smoking, drinking, domestic violence, and maternal and infant health.

Findings from PRAMS are used to: enhance understanding of maternal behaviors that are important for good reproductive outcomes and infant health, such as smoking, body mass index, breastfeeding, and contraceptive use; develop and evaluate programs to improve maternal and infant health; and inform policy development in NYC.

PRAMS is approved by the Institutional Review Boards of the CDC and the NYC Department of Health and Mental Hygiene.

PRAMS Methodology

The NYC PRAMS sample is selected by stratified random sampling without replacement. Low birth weight (LBW) births (<2500 grams) are oversampled such that 30% of the PRAMS sample is LBW compared with 9% in the 2006 NYC birth cohort. PRAMS survey data are linked to selected variables from the birth certificate including maternal demographic characteristics, infant birth weight, and gestation. The final PRAMS analysis dataset is weighted for sample design, nonresponse and noncoverage. It provides city-wide estimates of the prevalence of perinatal health behaviors and experiences of NYC women delivering live infants.

The CDC requires a 70% response rate to share data publicly. The 2006 tables represent live births in January-December 2006. A 70% response rate was achieved for the entire year. Survey responses were received from 1,525 mothers and are weighted to represent 119,079 live births in 2006.

The tables were prepared using statistical software for the analysis of survey data (PROC Crosstab in SUDAAN, v 9.0.1). Results are not reported for categories where the number of actual respondents is less than 30 due to the instability of such estimates. Missing observations are excluded from analyses, and the percentage of missing values is noted when it equals or exceeds 10%.

For More Information:

- NYC PRAMS
 - <http://www.nyc.gov/html/doh/html/ms/ms-prams.shtml>
 - prams@health.nyc.gov

- CDC PRAMS
 - <http://www.cdc.gov/prams/>

- Bureau of Maternal, Infant, and Reproductive Health, NYC Department of Health and Mental Hygiene
 - <http://www.nyc.gov/html/doh/html/ms/ms.shtml>

Number and percent of infants placed on back to sleep
by select sociodemographic characteristics: NYC PRAMS, 2006*

Research shows that infants are safest sleeping on their backs.**

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	63,563	57.9	54.7 - 61.1
Age			
19 and under	3,184	44.2	31.4 - 57.8
20 to 24	12,982	53.6	46.4 - 60.6
25 to 34	33,005	57.3	52.8 - 61.6
35 and over	14,392	69.5	62.6 - 75.7
Race/ethnicity			
White non-Hispanic	23,781	70.5	64.6 - 75.8
Black non-Hispanic	11,514	45.2	38.6 - 51.9
Hispanic	19,849	52.2	46.8 - 57.5
Asian/Pacific Islander	8,195	67.3	57.4 - 75.9
Education			
Less than high school	11,668	52.7	44.9 - 60.4
High school	15,931	46.9	41.0 - 52.8
More than high school	35,930	67.3	63.0 - 71.4
Insurance before pregnancy			
No insurance	16,881	54.3	48.1 - 60.3
Medicaid	14,315	47.6	41.1 - 54.1
Other insurance	31,992	66.4	61.8 - 70.8
Nativity			
Foreign born	34,484	55.7	51.3 - 59.9
US born (Includes Puerto Rico & U.S. Virgin Islands)	29,062	60.9	55.9 - 65.6
Borough of residence			
Bronx	10,346	49.5	42.2 - 56.9
Brooklyn	20,361	56.2	50.6 - 61.7
Manhattan	12,105	63.3	55.7 - 70.4
Queens	18,009	63.0	56.5 - 69.1
Staten Island	2,741	55.5	40.2 - 69.8

* Notes.

1. PRAMS Question #57: How do you most often lay your baby down to sleep now?

Answers:

- On his or her side
- On his or her back
- On his or her stomach

2. Totals for each category may not equal overall total due to missing data or rounding.

3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

**See A Parent's Guide to Safe Sleep, from the American Academy of Pediatrics:

<http://www.healthychildcare.org/pdf/SIDSparentsafesleep.pdf>

Number and percent of infants sleeping in a crib, cradle, or bassinet
by select sociodemographic characteristics: NYC PRAMS, 2006*

Research shows that infants are safest sleeping alone in a crib, cradle, or bassinet.**

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	88,782	83.3	80.7 - 85.7
Age			
19 and under	6,250	91.3	81.7 - 96.1
20 to 24	17,927	76.9	70.2 - 82.4
25 to 34	47,332	84.3	80.7 - 87.4
35 and over	17,273	85.2	79.2 - 89.7
Race/ethnicity			
White non-Hispanic	28,681	86.5	81.8 - 90.1
Black non-Hispanic	19,061	78.6	72.4 - 83.8
Hispanic	31,854	86.7	82.4 - 90.0
Asian/Pacific Islander	8,911	73.7	63.8 - 81.6
Education			
Less than high school	18,193	84.6	78.2 - 89.4
High school	26,614	80.8	75.5 - 85.2
More than high school	43,926	84.7	81.1 - 87.7
Insurance before pregnancy			
No insurance	24,254	79.9	74.4 - 84.5
Medicaid	24,306	84.3	78.8 - 88.5
Other insurance	39,944	85.1	81.2 - 88.2
Nativity			
Foreign born	51,602	84.9	81.5 - 87.8
US born (Includes Puerto Rico & U.S. Virgin Islands)	37,118	81.2	76.8 - 84.8
Borough of residence			
Bronx	16,723	82.8	76.4 - 87.8
Brooklyn	28,786	81.5	76.6 - 85.6
Manhattan	16,368	86.5	80.2 - 91.0
Queens	22,395	82.4	76.6 - 87.0
Staten Island	4,510	91.6	78.8 - 97.0

* Notes.

1. PRAMS Question #75: In the last month, where did your new baby usually sleep?

Answers:

- In a crib, cradle, or bassinet
- On an adult bed or mattress
- On a sofa or couch
- In a car seat or infant seat
- Someplace else

2. Totals for each category may not equal overall total due to missing data or rounding.

3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

**See A Parent's Guide to Safe Sleep, from the American Academy of Pediatrics:

<http://www.healthychildcare.org/pdf/SIDSparentsafesleep.pdf>

Number and percent of infants sleeping in bed with others (bedsharing)
by select sociodemographic characteristics: NYC PRAMS, 2006*

Research shows that infants are safest sleeping alone in a crib, cradle, or bassinet.**

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	50,318	46.1	42.8 - 49.3
Age			
19 and under	3,734	51.6	38.3 - 64.7
20 to 24	13,119	54.5	47.3 - 61.6
25 to 34	24,739	43.2	38.8 - 47.7
35 and over	8,725	42.3	35.5 - 49.5
Race/ethnicity			
White non-Hispanic	11,770	35.0	29.5 - 40.9
Black non-Hispanic	14,909	58.8	51.9 - 65.2
Hispanic	15,603	41.4	36.1 - 46.8
Asian/Pacific Islander	7,760	63.7	53.7 - 72.6
Education			
Less than high school	10,780	48.8	41.1 - 56.6
High school	15,712	46.8	40.9 - 52.8
More than high school	23,566	44.2	39.8 - 48.7
Insurance before pregnancy			
No insurance	16,074	52.3	46.1 - 58.4
Medicaid	14,200	47.5	41.1 - 54.0
Other insurance	19,892	41.3	36.7 - 46.0
Nativity			
Foreign born	29,605	48.0	43.6 - 52.3
US born (Includes Puerto Rico & U.S. Virgin Islands)	20,684	43.6	38.7 - 48.6
Borough of residence			
Bronx	9,361	45.4	38.1 - 52.8
Brooklyn	17,173	47.9	42.3 - 53.5
Manhattan	8,250	42.8	35.5 - 50.4
Queens	14,120	49.5	42.9 - 56.2
Staten Island	1,414	28.6	17.4 - 43.4

* Notes.

1. PRAMS Question #58: How often does your new baby sleep in the same bed with you or anyone else?

Answers:

- Always
- Often
- Sometimes
- Rarely
- Never

Women who reported their infant 'sometimes', 'often', or 'always' slept with others were counted as bedsharing.

2. Totals for each category may not equal overall total due to missing data or rounding.

3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

**See A Parent's Guide to Safe Sleep, from the American Academy of Pediatrics:

<http://www.healthychildcare.org/pdf/SIDSparentsafesleep.pdf>

Number and percent of women using contraception postpartum
by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	82,114	71.6	68.6 - 74.4
Age			
19 and under	5,770	73.4	60.5 - 83.3
20 to 24	17,973	71.5	64.5 - 77.6
25 to 34	43,726	72.9	68.8 - 76.7
35 and over	14,645	67.2	60.3 - 73.4
Race/ethnicity			
White non-Hispanic	21,916	62.3	56.4 - 67.9
Black non-Hispanic	19,904	74.2	68.0 - 79.6
Hispanic	30,263	78.1	73.3 - 82.2
Asian/Pacific Islander	9,916	72.6	63.2 - 80.3
Education			
Less than high school	16,743	69.8	62.2 - 76.5
High school	22,470	64.7	58.9 - 70.1
More than high school	42,757	76.8	72.9 - 80.3
Insurance before pregnancy			
No insurance	24,955	77.3	71.7 - 82.1
Medicaid	20,768	64.7	58.4 - 70.5
Other insurance	36,228	72.5	68.1 - 76.5
Nativity			
Foreign born	47,304	73.5	69.4 - 77.1
US born (Includes Puerto Rico & U.S. Virgin Islands)	34,764	69.1	64.5 - 73.5
Borough of residence			
Bronx	15,547	71.1	64.1 - 77.3
Brooklyn	25,984	69.1	63.7 - 74.1
Manhattan	15,045	71.6	64.6 - 77.7
Queens	21,654	74.2	67.8 - 79.6
Staten Island	3,883	76.8	61.4 - 87.3

* Notes.

1. PRAMS Question #61: Are you or your husband/partner doing anything now to keep from getting pregnant? (Some things people do to keep from getting pregnant include not having sex at certain times [rhythm] or withdrawal, and using birth control methods such as the pill, condoms, cervical ring, IUD, having their tubes tied, or their partner having a vasectomy.)

Answers:

No

Yes

2. Totals for each category may not equal overall total due to missing data or rounding.

3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

Number and percent of women who were not using contraception at time of conception among those who were not trying to become pregnant by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	29,947	56.4	51.7 - 61.0
Age			
19 and under	2,773	52.4	36.8 - 67.5
20 to 24	7,707	56.0	46.5 - 65.2
25 to 34	14,063	55.4	48.7 - 61.9
35 and over	5,404	62.5	51.3 - 72.6
Race/ethnicity			
White non-Hispanic	7,113	71.7	60.3 - 80.9
Black non-Hispanic	8,792	53.2	45.0 - 61.4
Hispanic	11,507	51.6	44.6 - 58.6
Asian/Pacific Islander	2,501	58.1	41.1 - 73.4
Education			
Less than high school	7,162	53.6	43.7 - 63.3
High school	11,480	61.1	53.1 - 68.5
More than high school	11,195	53.9	46.7 - 60.9
Insurance before pregnancy			
No insurance	9,842	52.4	44.5 - 60.1
Medicaid	10,412	60.1	51.6 - 68.1
Other insurance	9,538	57.5	49.4 - 65.3
Nativity			
Foreign born	15,590	53.1	46.8 - 59.3
US born (Includes Puerto Rico & U.S. Virgin Islands)	14,311	60.5	53.4 - 67.2
Borough of residence			
Bronx	7,357	53.7	44.6 - 62.6
Brooklyn	9,467	60.7	52.2 - 68.6
Manhattan	3,208	45.5	33.4 - 58.0
Queens	8,186	57.6	48.1 - 66.6
Staten Island	1,729	69.1	45.3 - 85.8

* Notes.

1. PRAMS Question #11: When you got pregnant with your new baby, were you trying to get pregnant?

Answers: No Yes

Question #12: When you got pregnant with your new baby, were you or your husband or partner doing anything to keep from getting pregnant?

Answers: No Yes

Women who answered 'No' to both Question #11 and Question #12 were counted as not using contraception at time of conception and not trying to become pregnant.

2. Totals for each category may not equal overall total due to missing data or rounding.

3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

Number and percent of unintended pregnancies among live births
by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	42,044	35.9	32.9 - 39.0
Age			
19 and under	5,084	63.8	50.4 - 75.3
20 to 24	11,550	45.5	38.7 - 52.5
25 to 34	20,078	32.7	28.8 - 36.9
35 and over	5,332	23.9	18.5 - 30.3
Race/ethnicity			
White non-Hispanic	6,467	18.1	13.8 - 23.4
Black non-Hispanic	12,722	46.9	40.5 - 53.5
Hispanic	18,345	45.3	40.2 - 50.6
Asian/Pacific Islander	4,479	33.4	24.9 - 43.2
Education			
Less than high school	12,197	48.5	41.2 - 55.9
High school	14,610	41.3	35.7 - 47.1
More than high school	15,188	27.1	23.4 - 31.1
Insurance before pregnancy			
No insurance	16,061	47.6	41.7 - 53.5
Medicaid	13,102	40.0	34.1 - 46.3
Other insurance	12,753	25.4	21.6 - 29.7
Nativity			
Foreign born	23,880	36.0	32.0 - 40.1
US born (Includes Puerto Rico & U.S. Virgin Islands)	18,119	35.8	31.3 - 40.6
Borough of residence			
Bronx	10,794	48.3	41.2 - 55.4
Brooklyn	12,579	32.9	28.0 - 38.2
Manhattan	5,671	26.5	20.6 - 33.3
Queens	10,997	37.1	31.0 - 43.6
Staten Island	2,003	37.6	24.7 - 52.7

* Notes.

1. PRAMS Question #10: Thinking back to just before you got pregnant with your new baby, how did you feel about becoming pregnant?

Answers:

I wanted to be pregnant sooner

I wanted to be pregnant later

I wanted to be pregnant then

I didn't want to be pregnant then or at any time in the future

Women who answered 'I wanted to be pregnant later' or 'I didn't want to be pregnant then or at any time in the future' were counted as having an unintended pregnancy.

2. Totals for each category may not equal overall total due to missing data or rounding.

3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

Number and percent of women diagnosed with postpartum depression
by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	6,026	5.2	4.0 - 6.7
Age			
19 and under	610	7.7	3.2 - 17.4
20 to 24	1,396	5.5	3.1 - 9.6
25 to 34	3,280	5.4	3.7 - 7.7
35 and over	739	3.3	1.7 - 6.5
Race/ethnicity			
White non-Hispanic	1,182	3.3	1.8 - 6.2
Black non-Hispanic	863	3.2	1.7 - 5.8
Hispanic	3,072	7.6	5.3 - 10.8
Asian/Pacific Islander	893	6.7	3.0 - 14.3
Education			
Less than high school	1,635	6.6	3.8 - 11.1
High school	2,138	6.0	3.9 - 9.3
More than high school	2,025	3.6	2.3 - 5.5
Insurance before pregnancy			
No insurance	2,289	6.8	4.3 - 10.5
Medicaid	2,085	6.4	4.0 - 10.0
Other insurance	1,651	3.3	2.1 - 5.3
Nativity			
Foreign born	4,116	6.2	4.5 - 8.5
US born (Includes Puerto Rico & U.S. Virgin Islands)	1,910	3.8	2.4 - 6.1
Borough of residence			
Bronx	1,628	7.4	4.4 - 12.1
Brooklyn	1,789	4.7	2.9 - 7.5
Manhattan	1,200	5.6	3.0 - 10.4
Queens	1,117	3.7	2.0 - 6.8
Staten Island	292	5.6	1.7 - 17.1

* Notes.

1. PRAMS Question #77: Since your new baby was born, has a doctor, nurse, or other health care worker diagnosed you with depression?

Answers:

No

Yes

2. Totals for each category may not equal overall total due to missing data or rounding.

3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

Number and percent of women who were victims of intimate partner violence during pregnancy by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	3,749	3.2	2.3 - 4.5
Age			
19 and under	319	4.1	1.5 - 10.8
20 to 24	1,457	5.8	3.2 - 10.1
25 to 34	1,486	2.4	1.4 - 4.1
35 and over	487	2.2	0.9 - 5.2
Race/ethnicity			
White non-Hispanic	313	0.9	0.2 - 3.7
Black non-Hispanic	1,256	4.7	2.6 - 8.3
Hispanic	2,008	5.0	3.2 - 7.8
Asian/Pacific Islander	172	1.2	0.3 - 4.5
Education			
Less than high school	1,114	4.6	2.4 - 8.5
High school	1,432	4.0	2.3 - 6.9
More than high school	1,202	2.1	1.2 - 3.8
Insurance before pregnancy			
No insurance	1,430	4.3	2.5 - 7.3
Medicaid	1,065	3.3	1.7 - 6.3
Other insurance	1,254	2.5	1.4 - 4.4
Nativity			
Foreign born	1,786	2.7	1.7 - 4.4
US born (Includes Puerto Rico & U.S. Virgin Islands)	1,963	3.9	2.4 - 6.2
Borough of residence			
Bronx	1,982	9.0	5.6 - 14.1
Brooklyn	819	2.2	1.1 - 4.4
Manhattan	497	2.4	0.9 - 5.8
Queens	438	1.5	0.6 - 3.6
Staten Island	13	0.2	0.0 - 1.6

* Notes.

1. PRAMS Question #40a: During your most recent pregnancy, did an ex-husband or ex-partner push, hit, slap, kick, choke, or physically hurt you in any other way?

Answers: No Yes

Question #40b: During your most recent pregnancy, were you physically hurt in any way by your husband or partner?

Answers: No Yes

Women who answered 'yes' to Question #40a or #40b (or both) were counted as victims of intimate partner violence

2. Totals for each category may not equal overall total due to missing data or rounding.

3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

Number and percent of women who drank any alcohol three months prior to conception by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	40,400	35.0	32.0 - 38.1
Age			
19 and under	1,503	19.8	11.4 - 32.1
20 to 24	7,569	30.3	24.2 - 37.1
25 to 34	21,847	35.9	31.9 - 40.2
35 and over	9,482	43.0	36.3 - 49.9
Race/ethnicity			
White non-Hispanic	18,721	52.9	47.0 - 58.8
Black non-Hispanic	8,405	31.5	25.7 - 37.9
Hispanic	11,028	28.0	23.5 - 33.0
Asian/Pacific Islander	2,215	16.2	10.5 - 24.0
Education			
Less than high school	4,526	18.6	13.4 - 25.3
High school	8,887	25.2	20.5 - 30.6
More than high school	26,987	48.6	44.2 - 52.9
Insurance before pregnancy			
No insurance	7,703	23.4	18.7 - 28.7
Medicaid	7,255	22.5	17.6 - 28.1
Other insurance	25,304	50.8	46.1 - 55.5
Nativity			
Foreign born	16,586	25.4	21.9 - 29.3
US born (Includes Puerto Rico & U.S. Virgin Islands)	23,814	47.4	42.6 - 52.3
Borough of residence			
Bronx	6,739	30.9	24.5 - 38.0
Brooklyn	10,554	27.8	23.3 - 32.9
Manhattan	11,126	53.3	46.0 - 60.5
Queens	9,347	31.6	25.9 - 38.0
Staten Island	2,635	49.5	35.4 - 63.7

* Notes.

1. PRAMS Question #35a: During the 3 months before you got pregnant, how many alcoholic drinks did you have in an average week?

Answers:

- 14 drinks or more a week
- 7 to 13 drinks a week
- 4 to 6 drinks a week
- 1 to 3 drinks a week
- Less than 1 drink a week
- I didn't drink then

Women who reported drinking any quantity were counted as drinking alcohol.

2. Totals for each category may not equal overall total due to missing data or rounding.

3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

Number and percent of women who drank any alcohol during the last three months of pregnancy by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	12,107	10.5	8.7 - 12.5
Age			
19 and under	241	3.2	0.9 - 10.9
20 to 24	1,261	5.0	2.8 - 8.8
25 to 34	6,334	10.4	8.1 - 13.4
35 and over	4,271	19.4	14.5 - 25.6
Race/ethnicity			
White non-Hispanic	7,358	20.7	16.4 - 25.7
Black non-Hispanic	1,178	4.4	2.4 - 7.9
Hispanic	3,084	7.8	5.4 - 11.2
Asian/Pacific Islander	486	3.6	1.5 - 8.6
Education			
Less than high school	729	3.0	1.4 - 6.3
High school	1,973	5.5	3.4 - 8.9
More than high school	9,405	16.9	13.9 - 20.5
Insurance before pregnancy			
No insurance	2,040	6.2	3.9 - 9.6
Medicaid	1,556	4.8	2.8 - 8.1
Other insurance	8,511	17.1	13.9 - 21.0
Nativity			
Foreign born	4,919	7.5	5.6 - 10.0
US born (Includes Puerto Rico & U.S. Virgin Islands)	7,188	14.3	11.3 - 17.9
Borough of residence			
Bronx	907	4.1	2.1 - 8.2
Brooklyn	3,925	10.3	7.5 - 14.1
Manhattan	5,590	26.7	20.8 - 33.7
Queens	1,467	5.0	2.8 - 8.5
Staten Island	218	4.1	1.1 - 14.1

* Notes.

1. PRAMS Question #36a: During the last 3 months of your pregnancy, how many alcoholic drinks did you have in an average week?

Answers:

14 drinks or more a week

7 to 13 drinks a week

4 to 6 drinks a week

1 to 3 drinks a week

Less than 1 drink a week

I didn't drink then

Women who reported drinking any quantity were counted as drinking alcohol.

2. Totals for each category may not equal overall total due to missing data or rounding.

3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

Number and percent of women who stopped drinking any alcohol during pregnancy among those who drank prior to pregnancy by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	28,351	70.4	65.3 - 74.9
Age			
19 and under	1,262	84.0	55.3 - 95.7
20 to 24	6,446	85.2	74.3 - 91.9
25 to 34	15,525	71.1	64.1 - 77.2
35 and over	5,118	54.6	44.0 - 64.8
Race/ethnicity			
White non-Hispanic	11,411	61.3	53.4 - 68.6
Black non-Hispanic	7,227	86.0	76.1 - 92.2
Hispanic	7,955	72.1	62.3 - 80.2
Asian/Pacific Islander	1,728	78.0	55.8 - 90.9
Education			
Less than high school	3,808	84.1	69.2 - 92.6
High school	7,052	79.4	68.3 - 87.3
More than high school	17,491	65.1	58.8 - 70.8
Insurance before pregnancy			
No insurance	5,662	73.5	61.6 - 82.7
Medicaid	5,838	80.5	68.5 - 88.6
Other insurance	16,713	66.3	59.8 - 72.3
Nativity			
Foreign born	11,678	70.4	62.4 - 77.3
US born (Includes Puerto Rico & U.S. Virgin Islands)	16,674	70.3	63.7 - 76.2
Borough of residence			
Bronx	5,832	86.5	75.0 - 93.3
Brooklyn	6,780	64.2	54.1 - 73.3
Manhattan	5,443	49.4	39.7 - 59.1
Queens	7,880	84.3	74.3 - 90.9
Staten Island	2,417	91.7	73.5 - 97.8

* Notes.

1. PRAMS Question #35a: During the 3 months before you got pregnant, how many alcoholic drinks did you have in an average week?; PRAMS Question #36a: During the last 3 months of your pregnancy, how many alcoholic drinks did you have in an average week?

Answers:

14 drinks or more a week

7 to 13 drinks a week

4 to 6 drinks a week

1 to 3 drinks a week

Less than 1 drink a week

I didn't drink then

Women who reported drinking any quantity prior to pregnancy and none during pregnancy were counted as having stopped.

2. Totals for each category may not equal overall total due to missing data or rounding.
3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

Number and percent of women who smoked three months prior to conception
by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	12,405	10.7	8.8 - 12.9
Age			
19 and under	613	8.3	3.7 - 17.7
20 to 24	2,612	10.3	6.7 - 15.5
25 to 34	7,409	12.2	9.4 - 15.5
35 and over	1,770	7.8	4.9 - 12.3
Race/ethnicity			
White non-Hispanic	4,974	14.0	10.2 - 18.9
Black non-Hispanic	2,536	9.4	6.2 - 14.1
Hispanic	4,275	10.7	7.8 - 14.6
Asian/Pacific Islander	589	4.3	1.7 - 10.2
Education			
Less than high school	2,915	12.0	7.8 - 18.0
High school	3,770	10.6	7.5 - 14.9
More than high school	5,693	10.1	7.7 - 13.2
Insurance before pregnancy			
No insurance	3,986	11.9	8.5 - 16.6
Medicaid	3,117	9.6	6.5 - 14.1
Other insurance	5,301	10.6	7.9 - 14.0
Nativity			
Foreign born	4,190	6.4	4.6 - 8.9
US born (Includes Puerto Rico & U.S. Virgin Islands)	8,198	16.1	12.8 - 20.2
Borough of residence			
Bronx	3,792	17.3	12.2 - 23.8
Brooklyn	2,699	7.1	4.7 - 10.4
Manhattan	2,267	10.6	6.9 - 16.0
Queens	2,891	9.7	6.3 - 14.7
Staten Island	756	14.6	6.7 - 28.8

* Notes.

1. PRAMS Question #31: In the 3 months before you got pregnant, how many cigarettes did you smoke on an average day?

Answers:

- 41 cigarettes or more
- 21-40 cigarettes
- 11 to 20 cigarettes
- 6 to 10 cigarettes
- 1 to 5 cigarettes
- Less than 1 cigarette
- None (0 cigarettes)

Women who reported smoking any cigarettes were counted as smokers.

2. Totals for each category may not equal overall total due to missing data or rounding.

3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

Number and percent of women who smoked during the last three months of pregnancy
by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	4,590	3.9	2.8 - 5.4
Age			
19 and under	285	3.7	1.1 - 12.0
20 to 24	646	2.5	1.2 - 5.3
25 to 34	2,845	4.7	3.0 - 7.1
35 and over	814	3.6	1.8 - 7.1
Race/ethnicity			
White non-Hispanic	1,120	3.1	1.6 - 6.1
Black non-Hispanic	1,378	5.1	2.8 - 9.0
Hispanic	1,757	4.4	2.6 - 7.2
Asian/Pacific Islander	334	2.4	0.6 - 9.2
Education			
Less than high school	1,510	6.2	3.4 - 11.1
High school	1,240	3.5	1.9 - 6.2
More than high school	1,813	3.2	2.0 - 5.3
Insurance before pregnancy			
No insurance	1,492	4.4	2.5 - 7.9
Medicaid	1,479	4.6	2.6 - 8.0
Other insurance	1,618	3.2	1.9 - 5.4
Nativity			
Foreign born	1,417	2.1	1.2 - 3.9
US born (Includes Puerto Rico & U.S. Virgin Islands)	3,156	6.2	4.2 - 9.0
Borough of residence			
Bronx	1,586	7.2	4.1 - 12.4
Brooklyn	980	2.6	1.3 - 5.1
Manhattan	667	3.1	1.4 - 6.7
Queens	761	2.6	1.2 - 5.6
Staten Island	595	11.2	4.6 - 24.8

* Notes.

1. PRAMS Question #32: In the 3 last months of pregnancy, how many cigarettes did you smoke on an average day?

Answers:

- 41 cigarettes or more
- 21-40 cigarettes
- 11 to 20 cigarettes
- 6 to 10 cigarettes
- 1 to 5 cigarettes
- Less than 1 cigarette
- None (0 cigarettes)

Women who reported smoking any cigarettes were counted as smokers.

2. Totals for each category may not equal overall total due to missing data or rounding.

3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

Number and percent of women who stopped smoking during pregnancy among those who smoked before pregnancy by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	7,815	63.0	52.9 - 72.1
Age			
19 and under	328	53.5	18.2 - 85.6
20 to 24	1,966	75.3	54.6 - 88.5
25 to 34	4,564	61.6	47.9 - 73.7
35 and over	956	54.0	30.8 - 75.6
Race/ethnicity			
White non-Hispanic	3,854	77.5	61.2 - 88.2
Black non-Hispanic	1,158	45.7	25.9 - 66.9
Hispanic	2,517	58.9	42.3 - 73.7
Asian/Pacific Islander	255	43.3	11.5 - 81.7
Education			
Less than high school	1,405	48.2	27.4 - 69.6
High school	2,530	67.1	48.9 - 81.3
More than high school	3,880	68.2	53.7 - 79.8
Insurance before pregnancy			
No insurance	2,494	62.6	44.2 - 77.9
Medicaid	1,638	52.6	32.8 - 71.5
Other insurance	3,683	69.5	54.3 - 81.3
Nativity			
Foreign born	2,773	66.2	48.4 - 80.3
US born (Includes Puerto Rico & U.S. Virgin Islands)	5,042	61.5	49.0 - 72.7
Borough of residence			
Bronx	2,205	58.2	39.4 - 74.8
Brooklyn	1,719	63.7	42.5 - 80.6
Manhattan	1,600	70.6	48.1 - 86.2
Queens	2,129	73.7	51.6 - 88.0
Staten Island	162	21.4	3.9 - 64.8

* Notes.

1. PRAMS Question #31: In the 3 months before you got pregnant, how many cigarettes did you smoke on an average day?; PRAMS Question #32: In the 3 last months of pregnancy, how many cigarettes did you smoke on an average day? Answers:

- 41 cigarettes or more
- 21-40 cigarettes
- 11 to 20 cigarettes
- 6 to 10 cigarettes
- 1 to 5 cigarettes
- Less than 1 cigarette
- None (0 cigarettes)

Women who reported smoking any cigarettes in Question #31 and 'none' in Question #32 were counted as having stopped smoking during pregnancy.

2. Totals for each category may not equal overall total due to missing data or rounding.
3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

Number and percent of women overweight or obese before pregnancy
by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	37,867	35.9	32.7 - 39.1
Age			
19 and under	2,298	30.8	19.8 - 44.6
20 to 24	5,744	26.4	20.4 - 33.4
25 to 34	20,309	36.6	32.3 - 41.1
35 and over	9,516	45.6	38.6 - 52.7
Race/ethnicity			
White non-Hispanic	9,713	28.0	22.9 - 33.7
Black non-Hispanic	12,751	50.3	43.6 - 57.0
Hispanic	12,726	39.8	34.3 - 45.6
Asian/Pacific Islander	2,609	19.7	13.2 - 28.3
Education			
Less than high school	7,251	38.0	30.1 - 46.5
High school	12,051	37.6	31.9 - 43.7
More than high school	18,522	34.2	30.1 - 38.5
Insurance before pregnancy			
No insurance	7,348	28.4	22.7 - 34.8
Medicaid	12,400	40.7	34.6 - 47.2
Other insurance	17,968	36.8	32.3 - 41.5
Nativity			
Foreign born	19,220	34.4	30.2 - 38.8
US born (Includes Puerto Rico & U.S. Virgin Islands)	18,634	37.5	32.9 - 42.3
Borough of residence			
Bronx	8,184	42.7	35.3 - 50.4
Brooklyn	13,516	38.5	33.2 - 44.2
Manhattan	5,054	25.6	19.6 - 32.6
Queens	9,447	35.4	29.1 - 42.2
Staten Island	1,665	33.7	21.3 - 48.9

* Notes.

1. Body mass index (BMI) was calculated based on mothers' self reported pre-pregnancy weight and height. BMI of 25 or higher is counted as overweight or obese.
2. Totals for each category may not equal overall total due to missing data or rounding.
3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.
4. Missing > 10% of data on BMI.

Number and percent of women who ever breastfed
by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	92,825	84.3	81.8 - 86.6
Age			
19 and under	5,881	79.8	66.8 - 88.5
20 to 24	20,963	87.1	81.4 - 91.3
25 to 34	48,464	83.8	80.2 - 86.9
35 and over	17,517	84.1	78.3 - 88.6
Race/ethnicity			
White non-Hispanic	29,077	85.9	81.1 - 89.6
Black non-Hispanic	20,436	79.9	73.9 - 84.8
Hispanic	33,001	86.5	82.4 - 89.7
Asian/Pacific Islander	9,989	82.0	72.7 - 88.7
Education			
Less than high school	17,679	79.8	72.8 - 85.3
High school	27,737	81.4	76.3 - 85.6
More than high school	47,376	88.4	85.3 - 91.0
Insurance before pregnancy			
No insurance	27,694	89.1	84.7 - 92.4
Medicaid	23,625	78.5	72.7 - 83.4
Other insurance	41,104	84.7	80.9 - 87.9
Nativity			
Foreign born	56,861	91.5	88.7 - 93.6
US born (Includes Puerto Rico & U.S. Virgin Islands)	35,935	75.1	70.5 - 79.2
Borough of residence			
Bronx	16,489	78.5	71.8 - 84.0
Brooklyn	31,194	86.3	82.0 - 89.7
Manhattan	16,960	87.3	81.1 - 91.7
Queens	24,960	87.3	82.1 - 91.2
Staten Island	3,223	65.3	49.7 - 78.1

* Notes.

1. PRAMS Question #50: Did you ever breastfeed or pump breast milk to feed your new baby after delivery?

Answers: No Yes

2. Totals for each category may not equal overall total due to missing data or rounding.

3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

Number and percent of women who breastfed for 8 weeks or more
by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	70,480	64.6	61.4 - 67.7
Age			
19 and under	2,498	34.5	23.0 - 48.3
20 to 24	15,476	65.4	58.1 - 72.0
25 to 34	37,872	65.9	61.6 - 70.1
35 and over	14,633	70.7	63.9 - 76.7
Race/ethnicity			
White non-Hispanic	24,435	72.4	66.5 - 77.6
Black non-Hispanic	15,388	60.7	53.9 - 67.1
Hispanic	23,298	61.7	56.4 - 66.8
Asian/Pacific Islander	7,328	60.8	50.6 - 70.1
Education			
Less than high school	12,702	58.7	50.7 - 66.2
High school	21,371	62.9	57.0 - 68.4
More than high school	36,390	68.5	64.2 - 72.5
Insurance before pregnancy			
No insurance	22,428	72.8	66.9 - 78.0
Medicaid	16,156	54.9	48.3 - 61.3
Other insurance	31,494	65.1	60.4 - 69.5
Nativity			
Foreign born	44,728	73.0	69.0 - 76.7
US born (Includes Puerto Rico & U.S. Virgin Islands)	25,752	54.0	49.0 - 58.9
Borough of residence			
Bronx	11,606	56.0	48.5 - 63.2
Brooklyn	25,589	71.0	65.7 - 75.8
Manhattan	13,718	71.1	63.7 - 77.5
Queens	17,240	61.5	54.6 - 67.8
Staten Island	2,327	47.3	32.8 - 62.3

* Notes.

1. PRAMS Question #52: How many weeks or months did you breastfeed or pump breast milk to feed your baby?
2. Totals for each category may not equal overall total due to missing data or rounding.
3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.

Number and percent of women who exclusively breastfed for 8 weeks or more
by select sociodemographic characteristics: NYC PRAMS, 2006*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2006	28,561	32.0	28.7 - 35.4
Age			
19 and under	1,414	24.0	13.2 - 39.6
20 to 24	6,972	34.0	27.1 - 41.7
25 to 34	14,696	31.8	27.3 - 36.6
35 and over	5,478	32.9	25.9 - 40.7
Race/ethnicity			
White non-Hispanic	11,952	41.9	35.6 - 48.4
Black non-Hispanic	4,615	23.8	17.9 - 30.8
Hispanic	10,004	32.0	26.7 - 37.8
Asian/Pacific Islander	1,767	18.1	11.2 - 28.1
Education			
Less than high school	5,871	33.9	26.2 - 42.6
High school	8,611	32.9	26.9 - 39.6
More than high school	14,078	30.7	26.4 - 35.4
Insurance before pregnancy			
No insurance	9,246	35.0	28.9 - 41.6
Medicaid	6,094	27.1	21.0 - 34.3
Other insurance	12,846	32.1	27.5 - 37.2
Nativity			
Foreign born	16,355	30.2	26.2 - 34.6
US born (Includes Puerto Rico & U.S. Virgin Islands)	12,205	34.7	29.4 - 40.4
Borough of residence			
Bronx	3,803	25.2	18.6 - 33.3
Brooklyn	10,264	34.1	28.5 - 40.1
Manhattan	6,436	38.4	30.9 - 46.6
Queens	7,042	29.0	23.0 - 35.9
Staten Island	1,015	32.7	17.3 - 53.1

* Notes.

1. PRAMS Question #54: How old was your baby the first time you fed him or her anything besides breast milk?
2. Totals for each category may not equal overall total due to missing data or rounding.
3. Data are weighted and are based on responses of 1,525 NYC women giving birth in 2006.