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 2012, PRAMS is conducted in 40 states 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, Spanish, and Chinese and includes about 80 items on numerous topics, including: 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 2010 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 recommends a 65% response rate to share data publicly. The 2008 tables represent live births from March to December 2008 and include survey responses from 1,034 mothers. The data are weighted to represent 96,011 live births to residents in NYC in 2008. A 63% response rate was achieved in 2008.

The tables were prepared using statistical software for the analysis of survey data (PROC Crosstab in SUDAAN, v 10.0.1). Results are not reported for categories where the number of actual respondents is less than 30 due to the instability of such estimates. Estimates based on 30-60 respondents may not be reliable, and are noted. 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

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

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	48,976	57.5	53.5 - 61.4
Age			
19 and under***	2,211	49.2	32.1 - 66.5
20 to 24	8,434	48.8	39.9 - 57.7
25 to 34	25,336	56.7	51.2 - 62.1
35 and over	12,995	69.5	61.3 - 76.6
Race/ethnicity			
White non-Hispanic	17,397	74.0	66.9 - 80.0
Black non-Hispanic	7,626	46.7	37.9 - 55.7
Hispanic	15,244	50.7	43.9 - 57.5
Asian/Pacific Islander	6,546	54.3	43.2 - 64.9
Education			
Less than high school	8,453	42.8	34.6 - 51.5
High school	10,961	52.5	44.2 - 60.6
More than high school	29,391	66.3	61.0 - 71.2
Insurance before pregnancy			
No insurance	12,793	51.8	44.1 - 59.5
Medicaid	10,536	50.3	42.2 - 58.4
Other insurance	25,630	65.4	59.7 - 70.7
Nativity			
Foreign born	26,313	55.2	49.7 - 60.6
US born	22,647	60.4	54.5 - 66.1
Borough of residence			
Bronx	7,131	46.6	37.4 - 56.1
Brooklyn	17,294	57.1	50.3 - 63.7
Manhattan	9,278	68.9	59.1 - 77.2
Queens	12,666	57.4	49.3 - 65.0
Staten Island***	2,606	64.8	46.5 - 79.6

Number and percent of infants sleeping in a crib, cradle, or bassinet by select sociodemographic characteristics: NYC PRAMS, 2008*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	68,628	81.9	78.5 - 84.9
Age			
19 and under***	3,576	83.3	65.5 - 92.9
20 to 24	14,666	85.7	78.1 - 90.9
25 to 34	35,722	81.0	76.1 - 85.1
35 and over	14,664	80.3	72.5 - 86.4
Race/ethnicity			
White non-Hispanic	19,685	84.6	78.2 - 89.4
Black non-Hispanic	12,839	78.1	69.5 - 84.9
Hispanic	25,059	87.7	82.4 - 91.6
Asian/Pacific Islander	8,758	70.7	59.8 - 79.6
Education			
Less than high school	15,508	80.4	72.5 - 86.5
High school	16,732	80.7	73.2 - 86.5
More than high school	36,216	83.0	78.4 - 86.8
Insurance before pregnancy			
No insurance	19,167	78.7	71.5 - 84.4
Medicaid	17,652	84.9	78.0 - 90.0
Other insurance	31,511	82.2	77.2 - 86.3
Nativity			
Foreign born	37,844	80.5	75.8 - 84.5
US born	30,767	83.7	78.6 - 87.8
Borough of residence			
Bronx	12,545	85.8	77.5 - 91.5
Brooklyn	23,045	77.6	71.2 - 82.8
Manhattan	10,685	80.0	70.6 - 87.0
Queens	18,742	84.8	78.2 - 89.7
Staten Island***	3,610	90.2	72.3 - 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 1,034 NYC women giving birth in 2008.
*** estimate based on <60 respondents and may not be reliable.

Number and percent of infants sleeping in bed with others (bedsharing) by select sociodemographic characteristics: NYC PRAMS, 2008*			
Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	37,296	43.9	40.0 - 48.0
Age			
19 and under***	2,771	61.6	43.4 - 77.0
20 to 24	7,756	44.5	35.8 - 53.5
25 to 34	18,710	42.2	36.8 - 47.7
35 and over	8,059	43.4	35.2 - 52.0
Race/ethnicity			
White non-Hispanic	8,077	34.7	27.8 - 42.2
Black non-Hispanic	9,077	55.2	46.2 - 63.8
Hispanic	11,506	38.3	31.9 - 45.1
Asian/Pacific Islander	7,169	59.5	48.4 - 69.7
Education			
Less than high school	9,163	46.4	38.0 - 55.0
High school	10,521	50.3	42.1 - 58.6
More than high school	17,613	40.0	34.7 - 45.4
Insurance before pregnancy			
No insurance	11,844	48.0	40.4 - 55.7
Medicaid	9,658	45.8	37.9 - 53.9
Other insurance	15,628	40.3	34.7 - 46.1
Nativity			
Foreign born	22,101	46.3	40.9 - 51.7
US born	15,178	40.9	35.2 - 46.9
Borough of residence			
Bronx	5,829	38.1	29.4 - 47.7
Brooklyn	13,304	44.3	37.6 - 51.1
Manhattan	5,816	43.2	33.8 - 53.2
Queens	10,821	49.0	41.1 - 57.0
Staten Island***	1,527	38.0	22.5 - 56.4

* 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 1,034 NYC women giving birth in 2008.
*** estimate based on <60 respondents and may not be reliable.

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	69,164	75.9	72.4 - 79.1
Age			
19 and under***	3,957	81.9	64.4 - 91.8
20 to 24	14,066	74.4	66.2 - 81.2
25 to 34	37,234	77.4	72.7 - 81.5
35 and over	13,907	72.1	64.0 - 78.9
Race/ethnicity			
White non-Hispanic	17,966	74.8	68.0 - 80.7
Black non-Hispanic	12,508	68.5	60.2 - 75.9
Hispanic	26,529	81.8	76.1 - 86.4
Asian/Pacific Islander	9,814	74.1	64.0 - 82.1
Education			
Less than high school	15,849	74.5	66.5 - 81.0
High school	18,249	80.8	73.8 - 86.2
More than high school	34,917	74.5	69.6 - 78.8
Insurance before pregnancy			
No insurance	21,362	78.5	71.9 - 83.9
Medicaid	17,028	75.5	68.1 - 81.7
Other insurance	30,477	74.3	69.1 - 78.8
Nativity			
Foreign born	40,860	79.4	74.9 - 83.4
US born	28,270	71.3	65.8 - 76.2
Borough of residence			
Bronx	12,003	75.3	66.4 - 82.5
Brooklyn	24,491	72.1	66.1 - 77.5
Manhattan	10,443	76.3	67.1 - 83.6
Queens	18,725	80.8	74.1 - 86.1
Staten Island***	3,502	80.1	63.3 - 90.4

Number and percent of women using contraception postpartum
by select sociodemographic characteristics: NYC PRAMS, 2008*

* 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 1,034 NYC women giving birth in 2008.
** estimate based on <60 respondents and may not be reliable.

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	25,337	57.7	52.0 - 63.2
Age			
19 and under***	1,747	48.9	29.9 - 68.3
20 to 24	6,797	59.1	47.8 - 69.6
25 to 34	11,951	56.6	48.4 - 64.5
35 and over	4,842	62.5	48.9 - 74.4
Race/ethnicity			
White non-Hispanic	3,531	58.5	43.2 - 72.4
Black non-Hispanic	6,876	54.3	43.9 - 64.3
Hispanic	10,804	58.8	50.0 - 67.1
Asian/Pacific Islander	3,281	58.0	40.9 - 73.4
Education			
Less than high school	7,504	59.0	48.1 - 69.2
High school	7,395	59.0	48.2 - 69.0
More than high school	10,251	55.5	46.9 - 63.7
Insurance before pregnancy			
No insurance	9,388	59.9	50.1 - 69.0
Medicaid	8,500	63.4	53.1 - 72.6
Other insurance	7,432	50.1	40.6 - 59.6
Nativity			
Foreign born	14,469	58.6	50.9 - 66.0
US born	10,851	56.5	48.0 - 64.6
Borough of residence			
Bronx	4,691	53.7	41.1 - 65.9
Brooklyn	8,411	54.6	44.8 - 64.1
Manhattan	3,101	53.3	38.2 - 67.9
Queens	7,531	63.5	52.5 - 73.2
Staten Island***	1,604	76.1	51.1 - 90.7

Number and percent of unintended pregnancies among live births by select sociodemographic characteristics: NYC PRAMS, 2008*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	32,981	35.1	31.5 - 38.9
Age			
19 and under***	2,862	54.3	37.7 - 69.9
20 to 24	9,901	49.3	41.0 - 57.7
25 to 34	14,986	30.6	25.9 - 35.7
35 and over	5,233	26.7	20.0 - 34.8
Race/ethnicity			
White non-Hispanic	4,688	18.8	13.7 - 25.3
Black non-Hispanic	10,152	52.8	44.4 - 61.0
Hispanic	12,819	39.2	33.0 - 45.8
Asian/Pacific Islander	4,019	29.3	20.7 - 39.7
Education			
Less than high school	9,243	40.8	33.2 - 48.9
High school	8,913	38.1	30.8 - 45.9
More than high school	14,639	30.8	26.2 - 35.9
Insurance before pregnancy			
No insurance	11,035	39.6	32.7 - 47.0
Medicaid	10,745	44.3	37.0 - 51.9
Other insurance	11,185	26.9	22.1 - 32.2
Nativity			
Foreign born	18,109	34.4	29.6 - 39.5
US born	14,855	36.1	30.8 - 41.7
Borough of residence			
Bronx	7,192	42.9	34.2 - 52.0
Brooklyn	11,408	33.4	27.6 - 39.6
Manhattan	4,007	27.9	20.0 - 37.4
Queens	8,775	36.5	29.5 - 44.2
Staten Island***	1,600	35.4	21.2 - 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 1,034 NYC women giving birth in 2008.
** estimate based on <60 respondents and may not be reliable.

Number and percent of women diagnosed with postpartum depression by select sociodemographic characteristics: NYC PRAMS, 2008*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	4,325	4.6	3.3 - 6.6
Age			
19 and under***	0	0.0	. - .
20 to 24	952	4.9	2.4 - 9.5
25 to 34	2,142	4.4	2.6 - 7.3
35 and over	1,231	6.1	3.2 - 11.3
Race/ethnicity			
White non-Hispanic	409	1.7	0.6 - 4.4
Black non-Hispanic	1,173	6.2	3.2 - 11.8
Hispanic	1,785	5.3	3.0 - 9.3
Asian/Pacific Islander	644	4.9	2.0 - 11.6
Education			
Less than high school	1,428	6.4	3.4 - 12.0
High school	1,345	5.6	3.0 - 10.2
More than high school	1,552	3.3	1.9 - 5.8
Insurance before pregnancy			
No insurance	1,501	5.3	2.8 - 9.8
Medicaid	1,680	7.2	4.0 - 12.4
Other insurance	996	2.4	1.3 - 4.5
Nativity			
Foreign born	3,007	5.7	3.7 - 8.7
US born	1,318	3.3	1.9 - 5.7
Borough of residence			
Bronx	1,405	8.5	4.5 - 15.4
Brooklyn	1,264	3.7	1.9 - 7.2
Manhattan	541	3.8	1.6 - 8.8
Queens	954	4.0	1.9 - 8.2
Staten Island***	161	3.6	0.6 - 19.0

* 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 1,034 NYC women giving birth in 2008.
** estimate based on <60 respondents and may not be reliable.

Number and percent of women who were victims of intimate partner violence during pregnancy by select sociodemographic characteristics: NYC PRAMS, 2008*			
Characteristic	**Number**	**Percent**	**95% CI**
Overall			
All NYC mothers, 2008	3,390	3.7	2.4 - 5.5
Age			
19 and under***	793	15.8	6.7 - 33.0
20 to 24	950	4.9	2.3 - 10.1
25 to 34	1,000	2.1	1.0 - 4.3
35 and over	646	3.2	1.2 - 8.1
Race/ethnicity			
White non-Hispanic	446	1.8	0.6 - 5.5
Black non-Hispanic	1,315	6.9	3.7 - 12.8
Hispanic	1,599	4.8	2.6 - 8.7
Asian/Pacific Islander	12	0.1	0.0 - 0.6
Education			
Less than high school	1,752	7.9	4.4 - 13.9
High school	1,093	4.6	2.3 - 9.1
More than high school	545	1.2	0.5 - 2.9
Insurance before pregnancy			
No insurance	1,730	6.3	3.5 - 11.1
Medicaid	1,459	6.2	3.4 - 11.0
Other insurance	201	0.5	0.1 - 1.8
Nativity			
Foreign born	1,517	2.9	1.6 - 5.4
US born	1,873	4.6	2.7 - 7.8
Borough of residence			
Bronx	1,131	6.8	3.4 - 13.4
Brooklyn	1,073	3.1	1.5 - 6.3
Manhattan	17	0.1	0.0 - 0.8
Queens	1,020	4.4	2.1 - 9.1
Staten Island***	149	3.3	0.5 - 19.9

* 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 1,034 NYC women giving birth in 2008.
** estimate based on <60 respondents and may not be reliable.

Number and percent of women who drank any alcohol three months prior to conception by select sociodemographic characteristics: NYC PRAMS, 2008*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	33,136	36.3	32.7 - 40.1
Age			
19 and under***	1,416	30.3	16.8 - 48.4
20 to 24	6,498	32.9	25.5 - 41.4
25 to 34	17,913	37.7	32.7 - 43.0
35 and over	7,308	37.5	29.9 - 45.8
Race/ethnicity			
White non-Hispanic	14,058	57.7	50.2 - 64.8
Black non-Hispanic	7,108	38.4	30.6 - 46.9
Hispanic	8,727	27.2	21.8 - 33.4
Asian/Pacific Islander	1,894	14.3	8.5 - 23.0
Education			
Less than high school	3,491	16.3	11.1 - 23.4
High school	5,311	23.3	17.3 - 30.6
More than high school	24,185	51.7	46.4 - 56.9
Insurance before pregnancy			
No insurance	7,187	26.7	20.7 - 33.7
Medicaid	4,927	21.4	15.8 - 28.4
Other insurance	21,022	51.1	45.5 - 56.7
Nativity			
Foreign born	12,015	23.3	19.3 - 28.0
US born	21,120	53.0	47.2 - 58.7
Borough of residence			
Bronx	4,427	28.2	20.6 - 37.2
Brooklyn	9,631	28.4	23.0 - 34.5
Manhattan	8,437	59.7	49.9 - 68.8
Queens	7,970	34.5	27.6 - 42.1
Staten Island***	2,671	59.1	42.1 - 74.1

* 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 1,034 NYC women giving birth in 2008.
** estimate based on <60 respondents and may not be reliable.

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	6,583	7.2	5.4 - 9.4
Age			
19 and under***	336	7.2	1.8 - 24.6
20 to 24	272	1.4	0.3 - 5.2
25 to 34	3,356	7.1	4.8 - 10.3
35 and over	2,620	13.4	8.7 - 19.9
Race/ethnicity			
White non-Hispanic	3,680	15.1	10.6 - 21.0
Black non-Hispanic	809	4.3	1.9 - 9.6
Hispanic	1,147	3.6	1.8 - 6.8
Asian/Pacific Islander	747	5.6	2.4 - 12.8
Education			
Less than high school	893	4.2	1.8 - 9.4
High school	421	1.8	0.6 - 5.5
More than high school	5,270	11.2	8.3 - 14.9
Insurance before pregnancy			
No insurance	1,102	4.1	2.0 - 8.0
Medicaid	629	2.7	1.0 - 7.2
Other insurance	4,852	11.8	8.6 - 15.8
Nativity			
Foreign born	1,922	3.7	2.3 - 6.1
US born	4,661	11.6	8.4 - 15.9
Borough of residence			
Bronx	503	3.2	1.1 - 8.6
Brooklyn	1,724	5.1	2.9 - 8.7
Manhattan	3,024	21.4	14.6 - 30.3
Queens	1,290	5.6	2.9 - 10.2
Staten Island***	42	0.9	0.3 - 2.9

Number and percent of women who smoked three months prior to conception by select sociodemographic characteristics: NYC PRAMS, 2008*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	9,373	10.1	8.0 - 12.7
Age			
19 and under***	987	20.5	9.9 - 37.7
20 to 24	2,326	11.9	7.5 - 18.3
25 to 34	3,510	7.2	5.0 - 10.4
35 and over	2,550	13.0	8.2 - 20.1
Race/ethnicity			
White non-Hispanic	2,257	9.2	5.8 - 14.5
Black non-Hispanic	3,300	17.5	12.0 - 25.0
Hispanic	2,608	8.0	5.2 - 12.2
Asian/Pacific Islander	679	5.1	1.9 - 12.8
Education			
Less than high school	2,352	10.7	6.6 - 16.7
High school	3,268	14.3	9.6 - 20.7
More than high school	3,754	7.9	5.5 - 11.3
Insurance before pregnancy			
No insurance	3,089	11.2	7.4 - 16.6
Medicaid	3,021	12.8	8.6 - 18.6
Other insurance	3,263	8.0	5.3 - 11.7
Nativity			
Foreign born	2,688	5.2	3.3 - 8.0
US born	6,685	16.6	12.7 - 21.3
Borough of residence			
Bronx	2,286	14.4	9.1 - 22.0
Brooklyn	2,016	5.8	3.5 - 9.5
Manhattan	2,544	17.7	11.3 - 26.6
Queens	1,699	7.3	4.1 - 12.6
Staten Island***	829	18.3	8.3 - 35.8

* 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 to 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 1,034 NYC women giving birth in 2008.
** estimate based on <60 respondents and may not be reliable.

Number and percent of women who smoked during the last three months of pregnancy by select sociodemographic characteristics: NYC PRAMS, 2008*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	3,302	3.6	2.4 - 5.3
Age			
19 and under***	651	13.5	5.5 - 29.3
20 to 24	230	1.2	0.6 - 2.1
25 to 34	1,147	2.4	1.2 - 4.5
35 and over	1,274	6.5	3.2 - 12.7
Race/ethnicity			
White non-Hispanic	289	1.2	0.3 - 4.3
Black non-Hispanic	1,626	8.6	4.9 - 14.7
Hispanic	781	2.4	1.1 - 5.1
Asian/Pacific Islander	374	2.8	0.7 - 10.4
Education			
Less than high school	1,459	6.6	3.7 - 11.7
High school	829	3.6	1.6 - 8.2
More than high school	1,014	2.1	1.0 - 4.3
Insurance before pregnancy			
No insurance	731	2.6	1.2 - 5.9
Medicaid	1,688	7.1	4.1 - 12.0
Other insurance	882	2.1	0.9 - 4.9
Nativity			
Foreign born	1,099	2.1	1.0 - 4.3
US born	2,203	5.5	3.4 - 8.7
Borough of residence			
Bronx	551	3.4	1.4 - 8.0
Brooklyn	1,225	3.6	1.9 - 6.6
Manhattan	793	5.5	2.3 - 12.9
Queens	585	2.5	0.9 - 6.8
Staten Island***	149	3.3	0.5 - 19.9

* Notes.
1. PRAMS Question #32: In the last 3 months of pregnancy, how many cigarettes did you
   smoke on an average day?
   Answers:
        41 cigarettes or more
        21 to 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 1,034 NYC women giving birth in 2008.
** estimate based on <60 respondents and may not be reliable.

Number and percent of women overweight or obese before pregnancy by select sociodemographic characteristics: NYC PRAMS, 2008*			
Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	30,393	35.7	32.0 - 39.7
Age			
19 and under***	1,235	28.6	14.8 - 48.1
20 to 24	6,575	36.5	28.4 - 45.4
25 to 34	15,347	35.4	30.2 - 40.8
35 and over	7,236	37.6	29.8 - 46.0
Race/ethnicity			
White non-Hispanic	6,309	26.3	20.2 - 33.4
Black non-Hispanic	9,242	48.6	40.3 - 56.9
Hispanic	11,397	44.4	37.3 - 51.8
Asian/Pacific Islander	2,818	21.6	14.1 - 31.6
Education			
Less than high school	6,781	39.4	30.8 - 48.7
High school	8,353	39.3	31.6 - 47.5
More than high school	15,049	32.6	27.8 - 37.8
Insurance before pregnancy			
No insurance	8,612	37.0	29.7 - 45.0
Medicaid	8,140	38.2	30.7 - 46.3
Other insurance	13,641	34.0	28.8 - 39.6
Nativity			
Foreign born	14,400	31.7	26.8 - 37.1
US born	15,976	40.3	34.8 - 46.1
Borough of residence			
Bronx	7,387	50.0	40.4 - 59.6
Brooklyn	10,250	32.1	26.3 - 38.5
Manhattan	3,107	24.1	16.5 - 34.0
Queens	8,106	38.7	31.1 - 46.8
Staten Island***	1,543	34.8	20.5 - 52.4

* 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 1,034 NYC women giving birth in 2008.
4. Missing > 10% of data on BMI.
** estimate based on <60 respondents and may not be reliable.

**Number and percent of women who ever breastfed
by select sociodemographic characteristics: NYC PRAMS, 2008***

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	75,053	86.7	83.7 - 89.2
Age			
19 and under***	3,611	80.3	61.4 - 91.3
20 to 24	15,454	87.6	80.2 - 92.5
25 to 34	39,580	87.2	83.0 - 90.4
35 and over	16,408	86.2	79.3 - 91.1
Race/ethnicity			
White non-Hispanic	21,344	90.1	84.9 - 93.6
Black non-Hispanic	13,712	80.8	72.6 - 87.0
Hispanic	27,843	91.7	87.0 - 94.7
Asian/Pacific Islander	9,111	73.5	62.7 - 82.1
Education			
Less than high school	15,931	78.8	70.8 - 85.0
High school	18,202	85.7	78.9 - 90.6
More than high school	40,748	90.6	87.1 - 93.3
Insurance before pregnancy			
No insurance	22,510	89.0	83.1 - 93.0
Medicaid	17,128	78.7	71.3 - 84.6
Other insurance	35,100	89.5	85.4 - 92.6
Nativity			
Foreign born	43,750	90.1	86.3 - 92.9
US born	31,286	82.3	77.2 - 86.4
Borough of residence			
Bronx	13,521	87.6	79.8 - 92.7
Brooklyn	26,163	85.2	79.7 - 89.4
Manhattan	12,820	93.9	86.7 - 97.3
Queens	19,439	86.0	79.6 - 90.6
Staten Island***	3,110	74.6	56.6 - 86.9

* 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 1,034 NYC women giving birth in 2008.
** estimate based on <60 respondents and may not be reliable.

Number and percent of women who fed infant any breast milk for 8 weeks or more by select sociodemographic characteristics: NYC PRAMS, 2008*

Characteristic	Number	Percent	95% CI
Overall			
All NYC mothers, 2008	58,273	68.3	64.4 - 71.9
Age			
19 and under***	2,267	50.4	33.2 - 67.5
20 to 24	10,929	63.2	54.1 - 71.4
25 to 34	31,966	71.2	66.0 - 75.9
35 and over	13,112	70.3	62.1 - 77.3
Race/ethnicity			
White non-Hispanic	18,741	79.1	72.6 - 84.4
Black non-Hispanic	9,035	54.0	45.0 - 62.7
Hispanic	20,805	69.9	63.3 - 75.8
Asian/Pacific Islander	7,310	60.8	49.6 - 71.0
Education			
Less than high school	11,965	60.7	52.1 - 68.8
High school	14,713	70.0	62.0 - 77.0
More than high school	31,572	71.0	65.8 - 75.6
Insurance before pregnancy			
No insurance	17,805	71.4	64.1 - 77.8
Medicaid	13,438	62.8	54.7 - 70.2
Other insurance	26,715	69.0	63.4 - 74.1
Nativity			
Foreign born	36,500	76.8	72.0 - 81.0
US born	21,773	57.6	51.6 - 63.3
Borough of residence			
Bronx	10,384	67.3	58.1 - 75.4
Brooklyn	20,569	67.8	61.1 - 73.8
Manhattan	10,980	80.4	71.7 - 86.9
Queens	13,882	63.8	55.8 - 71.1
Staten Island***	2,459	59.0	41.2 - 74.7

* Notes.
1. PRAMS Question #52: How many weeks or months did you breastfeed or pump 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 1,034 NYC women giving birth in 2008.
** estimate based on <60 respondents and may not be reliable.

Number and percent of women who exclusively breastfed for 8 weeks or more by select sociodemographic characteristics: NYC PRAMS, 2008*			
Characteristic	**Number**	**Percent**	**95% CI**
Overall			
All NYC mothers, 2008	29,645	36.1	32.3 - 40.2
Age			
19 and under***	894	21.6	10.3 - 39.7
20 to 24	5,411	32.6	24.6 - 41.7
25 to 34	17,574	39.9	34.6 - 45.6
35 and over	5,766	33.3	25.5 - 42.1
Race/ethnicity			
White non-Hispanic	9,576	40.8	33.6 - 48.4
Black non-Hispanic	3,786	23.2	16.5 - 31.7
Hispanic	11,568	41.9	35.0 - 49.1
Asian/Pacific Islander	3,727	31.8	22.3 - 43.0
Education			
Less than high school	6,088	33.6	25.7 - 42.4
High school	6,934	35.3	27.5 - 43.9
More than high school	16,474	37.4	32.2 - 42.8
Insurance before pregnancy			
No insurance	8,759	37.8	30.4 - 45.8
Medicaid	8,012	39.8	31.9 - 48.2
Other insurance	12,725	33.1	27.8 - 38.9
Nativity			
Foreign born	18,404	41.0	35.6 - 46.7
US born	11,241	30.2	25.0 - 36.0
Borough of residence			
Bronx	3,906	27.9	19.8 - 37.8
Brooklyn	11,104	37.5	31.1 - 44.4
Manhattan	5,521	42.1	32.6 - 52.2
Queens	7,631	36.0	28.6 - 44.2
Staten Island***	1,483	35.6	20.9 - 53.5

* 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 1,034 NYC women giving birth in 2008.
** estimate based on <60 respondents and may not be reliable.