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 2009 tables represent January to December births in 2009. The data are weighted to represent 117,929 live births to residents in NYC in 2009. A 64% response rate was achieved in 2009.

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

Number and percent of women who report infant most often lays on back for sleep by select sociodemographic characteristics: NYC PRAMS, 2009

Characteristic	Number	Percent	95% CI
Overall			
2009 Births	67,644	61.0	57.6 - 64.2
Age			
19 and under	2,614	37.5	25.3 - 51.6
20 to 24	13,260	55.3	47.9 - 62.6
25 to 34	37,266	64.3	59.8 - 68.7
35 and over	14,503	65.7	58.5 - 72.3
Race/ethnicity			
White non-Hispanic	19,759	66.5	60.1 - 72.4
Black non-Hispanic	12,673	55.8	48.3 - 63.0
Hispanic	22,252	58.0	52.2 - 63.6
Asian/Pacific Islander	9,904	67.7	58.5 - 75.7
Other	2,868	55.6	40.4 - 69.8
Education			
Not a High School Graduate	13,700	54.9	47.4 - 62.2
High School Graduate	14,519	51.3	44.6 - 58.0
Some College	13,383	54.3	47.3 - 61.2
College Graduate	25,840	78.7	73.3 - 83.2
Payment for Prenatal Care			
Medicaid	31,916	54.2	49.5 - 58.8
No Medicaid	35,727	68.7	64.0 - 73.0
Nativity			
US Born	29,773	58.0	53.1 - 62.8
Foreign born	37,871	63.5	59.0 - 67.8
Borough of residence			
Bronx	13,316	59.2	51.5 - 66.4
Brooklyn	22,540	56.8	51.2 - 62.3
Manhattan	12,791	75.8	67.8 - 82.3
Queens	16,155	59.7	52.8 - 66.2
Staten Island**	2,842	59.1	43.2 - 73.4

* Notes.
1. Question 52: In which one position 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 1,394 NYC women giving birth in 2009.
** estimates based on <60 respondents and may not be reliable.

Characteristic	Number	Percent	95% CI
Overall			
2009 Births	95,347	87.4	84.9 - 89.5
Age			
19 and under	5,588	82.2	68.6 - 90.7
20 to 24	20,706	87.5	81.5 - 91.7
25 to 34	50,150	88.5	85.1 - 91.2
35 and over	18,902	85.9	80.0 - 90.3
Race/ethnicity			
White non-Hispanic	27,282	91.8	87.4 - 94.7
Black non-Hispanic	18,791	86.5	80.5 - 90.9
Hispanic	33,296	87.8	83.3 - 91.2
Asian/Pacific Islander	11,350	78.7	69.9 - 85.4
Other	4,482	89.5	76.4 - 95.7
Education			
Not a High School Graduate	18,801	79.7	72.7 - 85.3
High School Graduate	25,255	90.6	85.8 - 93.9
Some College	20,818	85.0	79.3 - 89.4
College Graduate	30,457	92.3	88.6 - 94.9
Payment for Prenatal Care			
Medicaid	49,829	86.3	82.6 - 89.3
No Medicaid	45,518	88.6	85.1 - 91.3
Nativity			
US Born	45,042	88.7	85.2 - 91.5
Foreign born	50,289	86.2	82.5 - 89.1
Borough of residence			
Bronx	19,002	87.2	81.0 - 91.6
Brooklyn	34,533	87.8	83.6 - 91.0
Manhattan	15,219	91.8	85.6 - 95.4
Queens	22,493	84.6	78.7 - 89.1
Staten Island**	4,099	84.7	68.7 - 93.4

* Notes.
1. Question 63: Where does your new baby usually sleep?
   Answers:
        In a crib, cradle or bassinet
        On an adult bed or mattress
        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 1,394 NYC women giving birth in 2009.
** estimate based on <60 respondents and may not be reliable.

Number and percent of women who report infant usually sleeps in bed with mother or another adult or child by select sociodemographic characteristics: NYC PRAMS, 2009

Characteristic	Number	Percent	95% CI
Overall			
2009 Births	22,118	20.2	17.6 - 23.0
Age			
19 and under	1,975	27.8	17.2 - 41.5
20 to 24	5,049	21.3	15.8 - 28.1
25 to 34	10,974	19.1	15.7 - 23.1
35 and over	4,120	19.1	14.0 - 25.6
Race/ethnicity			
White non-Hispanic	3,719	12.6	8.9 - 17.6
Black non-Hispanic	5,598	25.0	19.1 - 32.0
Hispanic	6,385	16.8	12.9 - 21.6
Asian/Pacific Islander	4,739	32.9	24.7 - 42.2
Other	1,344	26.1	15.0 - 41.5
Education			
Not a High School Graduate	6,849	28.6	22.2 - 36.0
High School Graduate	5,028	18.0	13.3 - 23.7
Some College	5,473	22.2	17.0 - 28.5
College Graduate	4,582	13.9	10.3 - 18.5
Payment for Prenatal Care			
Medicaid	12,743	21.8	18.2 - 25.9
No Medicaid	9,375	18.3	14.8 - 22.4
Nativity			
US Born	9,951	19.5	15.9 - 23.7
Foreign born	12,167	20.7	17.2 - 24.8
Borough of residence			
Bronx	4,433	19.8	14.4 - 26.6
Brooklyn	8,157	21.0	16.7 - 25.9
Manhattan	1,855	11.1	6.8 - 17.6
Queens	6,400	23.8	18.4 - 30.2
Staten Island**	1,273	26.3	14.5 - 42.9

* Notes.
1. Question 65: Does your new baby usually sleep in the same bed with you or another adult or child?
   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 1,394 NYC women giving birth in 2009.
** estimate based on <60 respondents and may not be reliable.

Number and percent of women using contraception postpartum by select sociodemographic characteristics: NYC PRAMS, 2009			
Characteristic	**Number**	**Percent**	**95% CI**
Overall			
2009 Births	87,751	77.2	74.3 - 79.8
Age			
19 and under	5,414	74.3	60.7 - 84.4
20 to 24	18,101	75.9	69.0 - 81.6
25 to 34	47,725	79.7	75.7 - 83.1
35 and over	16,510	73.0	66.3 - 78.8
Race/ethnicity			
White non-Hispanic	21,327	71.1	64.9 - 76.5
Black non-Hispanic	18,179	77.3	70.8 - 82.8
Hispanic	31,439	81.0	76.1 - 85.2
Asian/Pacific Islander	12,404	79.4	71.4 - 85.6
Other	4,402	81.3	67.4 - 90.2
Education			
Not a High School Graduate	19,457	75.7	68.8 - 81.4
High School Graduate	21,406	73.4	67.3 - 78.8
Some College	20,535	82.5	76.8 - 87.1
College Graduate	26,320	78.0	72.8 - 82.5
Payment for Prenatal Care			
Medicaid	46,428	76.8	72.7 - 80.5
No Medicaid	41,324	77.6	73.4 - 81.3
Nativity			
US Born	38,402	73.7	69.2 - 77.8
Foreign born	49,349	80.1	76.3 - 83.5
Borough of residence			
Bronx	19,935	85.6	79.8 - 90.0
Brooklyn	28,546	70.9	65.5 - 75.7
Manhattan	13,260	75.6	67.8 - 82.1
Queens	22,294	80.3	74.4 - 85.1
Staten Island**	3,717	77.1	61.4 - 87.7

* Notes.
1. Question 54: 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 [natural family planning or rhythm] or withdrawal, and using birth control methods such as the pill, condoms, vaginal ring, IUD, having their tubes tied, or their partner having a vasectomy.)
 Answers
   Yes
   No
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 1,394 NYC women giving birth in 2009.
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Number and percent of unintended pregnancies among live births by select sociodemographic characteristics: NYC PRAMS, 2009

Characteristic	Number	Percent	95% CI
Overall			
2009 Births	45,993	40.3	37.1 - 43.6
Age			
19 and under	5,513	77.3	63.5 - 86.9
20 to 24	14,556	61.5	54.0 - 68.4
25 to 34	19,005	31.2	27.2 - 35.5
35 and over	6,919	30.9	24.5 - 38.2
Race/ethnicity			
White non-Hispanic	5,591	18.6	14.1 - 24.1
Black non-Hispanic	13,246	56.8	49.5 - 63.8
Hispanic	18,922	48.5	42.8 - 54.2
Asian/Pacific Islander	5,450	34.1	26.2 - 43.1
Other	2,785	51.1	36.6 - 65.4
Education			
Not a High School Graduate	13,078	49.6	42.4 - 56.8
High School Graduate	12,108	40.9	34.7 - 47.5
Some College	12,773	51.1	44.2 - 58.0
College Graduate	8,035	24.4	19.6 - 29.9
Payment for Prenatal Care			
Medicaid	30,255	49.6	45.0 - 54.1
No Medicaid	15,738	29.7	25.4 - 34.3
Nativity			
US Born	21,887	41.5	36.8 - 46.4
Foreign born	24,090	39.3	34.9 - 43.8
Borough of residence			
Bronx	12,980	55.0	47.6 - 62.2
Brooklyn	14,653	35.8	30.7 - 41.3
Manhattan	4,506	25.7	19.1 - 33.6
Queens	11,672	43.1	36.4 - 50.0
Staten Island**	2,183	43.8	29.3 - 59.4

* Notes.
1. Question 11: 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 1,394 NYC women giving birth in 2009.
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Number and percent of women who drank any alcohol three months prior to conception by select sociodemographic characteristics: NYC PRAMS, 2009

Characteristic	Number	Percent	95% CI
Overall			
2009 Births	51,359	44.7	41.4 - 48.0
Age			
19 and under	2,572	36.2	24.2 - 50.2
20 to 24	9,678	40.6	33.6 - 48.1
25 to 34	27,009	44.3	39.9 - 48.9
35 and over	12,099	52.5	45.4 - 59.6
Race/ethnicity			
White non-Hispanic	19,141	62.2	55.9 - 68.1
Black non-Hispanic	8,521	36.3	29.7 - 43.5
Hispanic	16,127	41.0	35.5 - 46.7
Asian/Pacific Islander	5,057	32.3	24.6 - 41.0
Other	2,327	43.8	29.9 - 58.8
Education			
Not a High School Graduate	6,914	26.0	20.2 - 32.9
High School Graduate	9,471	31.7	26.0 - 38.0
Some College	11,392	46.1	39.3 - 53.0
College Graduate	23,364	69.8	64.1 - 74.9
Payment for Prenatal Care			
Medicaid	20,848	33.9	29.8 - 38.4
No Medicaid	30,511	57.1	52.3 - 61.7
Nativity			
US Born	28,789	54.6	49.7 - 59.4
Foreign born	22,570	36.3	32.1 - 40.7
Borough of residence			
Bronx	9,538	40.2	33.2 - 47.5
Brooklyn	16,444	39.6	34.4 - 45.0
Manhattan	12,156	70.2	62.1 - 77.2
Queens	11,084	40.4	33.9 - 47.2
Staten Island**	2,137	44.3	29.6 - 59.9

* Notes.
1. Question #32a: 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 1,394 NYC women giving birth in 2009.
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Number and percent of women who drank any alcohol during the last three months of pregnancy by select sociodemographic characteristics: NYC PRAMS, 2009

Characteristic	Number	Percent	95% CI
Overall			
2009 Births	10,647	9.3	7.5 - 11.4
Age			
19 and under	767	10.8	4.8 - 22.6
20 to 24	1,361	5.7	3.1 - 10.4
25 to 34	5,290	8.7	6.5 - 11.6
35 and over	3,229	14.0	9.7 - 19.9
Race/ethnicity			
White non-Hispanic	5,711	18.6	14.2 - 24.2
Black non-Hispanic	734	3.1	1.4 - 6.7
Hispanic	2,262	5.8	3.6 - 9.0
Asian/Pacific Islander	1,272	8.1	4.5 - 14.3
Other	667	12.6	5.5 - 26.0
Education			
Not a High School Graduate	1,728	6.5	3.8 - 11.2
High School Graduate	1,420	4.7	2.7 - 8.3
Some College	1,591	6.4	3.8 - 10.8
College Graduate	5,891	17.7	13.5 - 22.7
Payment for Prenatal Care			
Medicaid	3,173	5.2	3.5 - 7.6
No Medicaid	7,474	14.0	11.0 - 17.7
Nativity			
US Born	6,178	11.7	8.9 - 15.2
Foreign born	4,469	7.2	5.3 - 9.9
Borough of residence			
Bronx	1,061	4.5	2.2 - 8.8
Brooklyn	3,143	7.5	5.2 - 10.9
Manhattan	3,369	19.6	13.7 - 27.2
Queens	2,777	10.2	6.8 - 15.0
Staten Island**	296	6.1	1.7 - 19.3

* Notes.
1. Question #33a: 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 1,394 NYC women giving birth in 2009.
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Number and percent of women who smoked three months prior to conception by select sociodemographic characteristics: NYC PRAMS, 2009

Characteristic	Number	Percent	95% CI
Overall			
2009 Births	15,719	13.6	11.5 - 16.1
Age			
19 and under	1,450	19.7	11.0 - 32.6
20 to 24	4,563	18.9	13.8 - 25.3
25 to 34	7,639	12.5	9.8 - 15.9
35 and over	2,067	9.0	5.6 - 14.2
Race/ethnicity			
White non-Hispanic	4,866	15.8	11.7 - 21.0
Black non-Hispanic	3,040	13.0	8.8 - 18.8
Hispanic	5,352	13.5	10.0 - 17.9
Asian/Pacific Islander	1,261	7.9	4.2 - 14.4
Other	1,014	19.1	9.7 - 34.2
Education			
Not a High School Graduate	3,859	14.3	9.9 - 20.0
High School Graduate	3,952	13.2	9.3 - 18.3
Some College	3,806	15.4	11.0 - 21.2
College Graduate	3,916	11.7	8.4 - 16.1
Payment for Prenatal Care			
Medicaid	8,756	14.3	11.4 - 17.8
No Medicaid	6,963	12.9	9.9 - 16.5
Nativity			
US Born	11,076	21.0	17.2 - 25.3
Foreign born	4,643	7.4	5.4 - 10.1
Borough of residence			
Bronx	4,885	20.6	15.2 - 27.4
Brooklyn	4,170	10.0	7.2 - 13.8
Manhattan	2,039	11.7	7.2 - 18.5
Queens	3,183	11.4	7.7 - 16.4
Staten Island**	1,441	29.8	17.6 - 45.6

* Notes.
1. Question #27: In the 3 months before you got pregnant, how many cigarettes did you smoke on an average day?
  (A pack has 20 cigarettes)
    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
        I didn't smoke then
 [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 1,394 NYC women giving birth in 2009.
** estimates 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, 2009

Characteristic	Number	Percent	95% CI
Overall			
2009 Births	3,803	3.3	2.3 - 4.7
Age			
19 and under	292	4.0	1.0 - 14.5
20 to 24	1,494	6.2	3.4 - 10.9
25 to 34	1,265	2.1	1.2 - 3.7
35 and over	752	3.2	1.4 - 7.2
Race/ethnicity			
White non-Hispanic	971	3.2	1.6 - 6.2
Black non-Hispanic	864	3.7	1.7 - 7.6
Hispanic	1,107	2.8	1.4 - 5.3
Asian/Pacific Islander	284	1.8	0.5 - 6.4
Other	390	7.3	2.4 - 20.4
Education			
Not a High School Graduate	1,038	3.8	1.9 - 7.6
High School Graduate	798	2.6	1.2 - 5.5
Some College	1,086	4.4	2.3 - 8.3
College Graduate	694	2.1	0.9 - 4.7
Payment for Prenatal Care			
Medicaid	2,414	3.9	2.5 - 6.1
No Medicaid	1,389	2.6	1.4 - 4.6
Nativity			
US Born	2,924	5.5	3.7 - 8.3
Foreign born	878	1.4	0.7 - 2.9
Borough of residence			
Bronx	1,016	4.3	2.1 - 8.5
Brooklyn	1,097	2.6	1.4 - 5.0
Manhattan	483	2.8	1.0 - 7.6
Queens	533	1.9	0.7 - 4.8
Staten Island**	674	14.0	6.1 - 29.0

* Notes.
1. Question #28: In the last 3 months of pregnancy, how many cigarettes did you smoke on an average day?
  (A pack has 20 cigarettes.)
  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
      I didn't smoke then
 [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 1,394 NYC women giving birth in 2009.
** estimates based on <60 respondents and may not be reliable.

Number and percent of women who are overweight or obese before pregnancy by select sociodemographic characteristics: NYC PRAMS, 2009

Characteristic	Number	Percent	95% CI
Overall			
2009 Births	39,386	38.5	35.2 - 42.0
Age			
19 and under	1,632	26.1	15.5 - 40.6
20 to 24	9,058	42.3	34.8 - 50.1
25 to 34	20,090	37.6	33.1 - 42.4
35 and over	8,606	40.7	33.7 - 48.2
Race/ethnicity			
White non-Hispanic	7,276	25.3	20.1 - 31.3
Black non-Hispanic	11,938	55.6	48.0 - 63.0
Hispanic	15,046	45.8	39.6 - 52.0
Asian/Pacific Islander	2,652	18.8	12.5 - 27.4
Other	2,143	45.5	30.6 - 61.3
Education			
Not a High School Graduate	9,555	48.0	39.8 - 56.3
High School Graduate	9,488	36.3	29.9 - 43.1
Some College	11,633	48.3	41.3 - 55.4
College Graduate	8,524	26.7	21.7 - 32.4
Payment for Prenatal Care			
Medicaid	22,644	42.8	38.0 - 47.7
No Medicaid	16,742	34.0	29.5 - 38.8
Nativity			
US Born	21,587	42.7	37.9 - 47.6
Foreign born	17,799	34.5	29.9 - 39.3
Borough of residence			
Bronx	10,594	51.2	43.3 - 59.0
Brooklyn	13,866	37.6	32.2 - 43.3
Manhattan	3,550	21.7	15.5 - 29.4
Queens	9,811	41.1	34.2 - 48.3
Staten Island**	1,565	35.9	21.8 - 52.9

* Notes.
1. Body mass index (BMI) was calculated based on mothers' self reported weight and height just before pregnancy. A 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 1,394 NYC women giving birth in 2009.
** estimates based on <60 respondents and may not be reliable.

Number and percent of women who report ever breastfeeding by select sociodemographic characteristics: NYC PRAMS, 2009			
Characteristic	**Number**	**Percent**	**95% CI**
Overall			
2009 Births	100,568	90.0	87.8 - 91.8
Age			
19 and under	6,400	90.0	78.3 - 95.7
20 to 24	21,411	89.2	83.6 - 93.1
25 to 34	52,210	89.4	86.2 - 92.0
35 and over	20,546	92.2	87.5 - 95.2
Race/ethnicity			
White non-Hispanic	27,274	91.7	87.7 - 94.5
Black non-Hispanic	19,948	87.9	82.1 - 92.0
Hispanic	36,153	93.4	90.0 - 95.7
Asian/Pacific Islander	12,690	84.6	76.3 - 90.4
Other	4,357	81.9	66.6 - 91.1
Education			
Not a High School Graduate	21,349	85.6	79.6 - 90.0
High School Graduate	25,510	88.4	83.4 - 92.0
Some College	22,304	90.0	84.9 - 93.5
College Graduate	31,388	95.1	92.0 - 97.1
Payment for Prenatal Care			
Medicaid	52,940	89.0	85.6 - 91.6
No Medicaid	47,628	91.1	88.0 - 93.5
Nativity			
US Born	44,685	86.8	83.1 - 89.8
Foreign born	55,882	92.7	89.9 - 94.7
Borough of residence			
Bronx	19,607	87.0	80.8 - 91.4
Brooklyn	36,483	90.9	87.2 - 93.6
Manhattan	15,860	93.3	87.8 - 96.4
Queens	25,198	91.8	87.1 - 94.9
Staten Island**	3,421	73.6	57.6 - 85.1

* Notes.
1. Question 46. Did you ever breastfeed or pump breast milk to feed your new baby after delivery, even for a short period of time?
 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 1,394 NYC women giving birth in 2009.
** estimates based on <60 respondents and may not be reliable.

Number and percent of women who breastfed for 8 weeks or more by select sociodemographic characteristics: NYC PRAMS, 2009

Characteristic	Number	Percent	95% CI
Overall			
2009 Births	75,832	68.6	65.4 - 71.6
Age			
19 and under	3,733	52.5	38.9 - 65.7
20 to 24	14,300	60.7	53.2 - 67.7
25 to 34	39,862	69.1	64.6 - 73.2
35 and over	17,938	80.7	74.6 - 85.6
Race/ethnicity			
White non-Hispanic	22,788	77.3	71.6 - 82.1
Black non-Hispanic	13,965	62.0	54.6 - 68.9
Hispanic	25,736	67.0	61.4 - 72.2
Asian/Pacific Islander	9,890	68.0	58.7 - 76.1
Other	3,453	64.9	49.3 - 77.8
Education			
Not a High School Graduate	15,625	63.8	56.4 - 70.7
High School Graduate	18,965	66.1	59.6 - 72.1
Some College	14,529	59.3	52.3 - 65.9
College Graduate	26,713	81.6	76.6 - 85.7
Payment for Prenatal Care			
Medicaid	37,997	64.8	60.2 - 69.1
No Medicaid	37,835	72.8	68.3 - 76.8
Nativity			
US Born	31,173	61.0	56.1 - 65.7
Foreign born	44,659	75.1	70.9 - 78.8
Borough of residence			
Bronx	13,946	61.9	54.2 - 69.0
Brooklyn	27,325	68.6	63.2 - 73.6
Manhattan	13,108	77.8	70.1 - 84.0
Queens	19,627	73.4	67.0 - 79.0
Staten Island**	1,826	39.3	25.2 - 55.4

* Notes.
1. Question #48: How many weeks or months did you breastfeed or pump breast milk to feed your baby?
       _____weeks or _____months
       Less than 1 week
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 1,394 NYC women giving birth in 2009.
** estimates 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, 2009			
Characteristic	Number	Percent	95% CI
Overall			
2009 Births	29,430	27.9	24.9 - 31.1
Age			
19 and under	1,795	25.9	15.8 - 39.3
20 to 24	6,080	27.1	20.8 - 34.5
25 to 34	15,717	28.3	24.2 - 32.8
35 and over	5,838	28.4	22.0 - 35.7
Race/ethnicity			
White non-Hispanic	8,321	29.6	24.0 - 36.0
Black non-Hispanic	5,862	27.1	20.8 - 34.4
Hispanic	10,494	29.1	23.9 - 34.8
Asian/Pacific Islander	3,163	22.1	15.3 - 30.7
Other	1,445	28.6	16.7 - 44.5
Education			
Not a High School Graduate	5,543	24.0	18.1 - 31.2
High School Graduate	7,727	28.9	23.0 - 35.5
Some College	6,302	26.8	20.9 - 33.6
College Graduate	9,858	30.8	25.5 - 36.7
Payment for Prenatal Care			
Medicaid	15,925	28.6	24.5 - 33.2
No Medicaid	13,506	27.1	22.9 - 31.7
Nativity			
US Born	13,228	26.9	22.7 - 31.6
Foreign born	16,203	28.7	24.6 - 33.2
Borough of residence			
Bronx	5,797	27.0	20.6 - 34.6
Brooklyn	9,513	25.3	20.6 - 30.6
Manhattan	5,579	33.8	26.3 - 42.2
Queens	7,317	29.0	23.0 - 35.8
Staten Island**	1,224	26.0	14.0 - 43.0

* Notes: Responses are based on answers to questions 51a and 51b, below.
1. Question 51a: How old was your new baby the first time he or she drank liquids other than breast milk
   (such as formula, water, juice, tea, or cow's milk)?
   Question 51b: How old was your new baby the first time he or she ate food
   (such as baby cereal, baby food, or any other food)?
   Answers:
   _____weeks or _____months
   My baby was less than 1 week old
   My baby has not had any liquids other than breast milk (51a)/My baby has not eaten any foods (51b)
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 1,394 NYC women giving birth in 2009.
** estimates based on <60 respondents and may not be reliable.