

# **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 2009, PRAMS is conducted in 37 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 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 2007 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 70% response rate to share data publicly. The 2007 tables represent live births in January-December 2007, and represent survey responses from 1,492 mothers, and are weighted to represent 122,222 live births in 2007. A 65% response rate was achieved in 2007.

The tables were prepared using statistical software for the analysis of survey data (PROC Crosstab in SUDAAN, v 10.0.0). 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](mailto: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, 2007\*

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

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	65,570	57.6	54.2 - 60.9
<b>Age</b>			
19 and under	4,416	54.9	41.7 - 67.5
20 to 24	11,391	43.1	36.1 - 50.4
25 to 34	34,944	59.6	54.9 - 64.1
35 and over	14,820	71.6	64.5 - 77.7
<b>Race/ethnicity</b>			
White non-Hispanic	22,000	63.1	56.8 - 68.9
Black non-Hispanic	12,286	45.3	38.3 - 52.4
Hispanic	21,261	57.5	52.0 - 62.9
Asian/Pacific Islander	9,818	67.7	57.7 - 76.4
<b>Education</b>			
Less than high school	11,565	50.5	42.8 - 58.2
High school	18,591	50.5	44.2 - 56.7
More than high school	35,030	65.4	60.9 - 69.7
<b>Insurance before pregnancy</b>			
No insurance	16,317	49.7	43.3 - 56.0
Medicaid	14,956	50.7	43.9 - 57.6
Other insurance	34,199	66.6	61.8 - 71.0
<b>Nativity</b>			
Foreign born	36,883	61.0	56.4 - 65.4
US born (Includes Puerto Rico & U.S. Virgin Islands)	28,039	53.4	48.4 - 58.3
<b>Borough of residence</b>			
Bronx	11,387	58.2	50.2 - 65.7
Brooklyn	22,040	50.5	45.0 - 55.9
Manhattan	12,508	71.4	63.2 - 78.4
Queens	17,091	58.8	51.9 - 65.4
Staten Island (estimate based on < 60 respondents and may not be reliable)	2,544	63.9	46.6 - 78.2

\* 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 1,492 NYC women giving birth in 2007.

\*\*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, 2007\*

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

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	92,341	82.7	80.0 - 85.2
<b>Age</b>			
19 and under	7,288	89.4	77.0 - 95.5
20 to 24	20,378	79.0	72.4 - 84.4
25 to 34	47,312	82.3	78.3 - 85.7
35 and over	17,364	86.0	80.1 - 90.4
<b>Race/ethnicity</b>			
White non-Hispanic	29,018	84.3	79.2 - 88.3
Black non-Hispanic	21,604	81.1	74.9 - 86.1
Hispanic	31,666	86.8	82.5 - 90.2
Asian/Pacific Islander	9,901	71.2	61.0 - 79.6
<b>Education</b>			
Less than high school	19,030	84.9	78.0 - 89.9
High school	30,322	84.0	78.6 - 88.2
More than high school	42,412	80.8	76.8 - 84.2
<b>Insurance before pregnancy</b>			
No insurance	25,237	77.6	71.6 - 82.7
Medicaid	24,267	86.6	81.1 - 90.7
Other insurance	42,740	83.8	79.9 - 87.1
<b>Nativity</b>			
Foreign born	49,192	83.8	80.0 - 87.0
US born (Includes Puerto Rico & U.S. Virgin Islands)	42,514	81.6	77.3 - 85.2
<b>Borough of residence</b>			
Bronx	15,671	83.4	76.5 - 88.6
Brooklyn	34,231	79.7	74.8 - 83.8
Manhattan	14,863	85.6	78.8 - 90.6
Queens	23,913	84.2	78.4 - 88.7
Staten Island (estimate based on < 60 respondents and may not be reliable)	3,664	89.3	71.8 - 96.5

\* 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 1,492 NYC women giving birth in 2007.

\*\*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, 2007\*

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

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	51,193	45.1	41.8 - 48.5
<b>Age</b>			
19 and under	3,280	40.8	29.0 - 53.8
20 to 24	13,319	50.8	43.5 - 58.0
25 to 34	26,370	45.1	40.5 - 49.8
35 and over	8,224	39.7	32.9 - 47.0
<b>Race/ethnicity</b>			
White non-Hispanic	14,115	40.5	34.6 - 46.7
Black non-Hispanic	13,870	51.1	44.0 - 58.1
Hispanic	14,068	38.3	33.0 - 43.9
Asian/Pacific Islander	8,936	62.1	52.1 - 71.2
<b>Education</b>			
Less than high school	9,839	43.4	35.9 - 51.2
High school	17,214	46.7	40.5 - 53.0
More than high school	23,947	44.8	40.3 - 49.4
<b>Insurance before pregnancy</b>			
No insurance	18,425	56.6	50.2 - 62.8
Medicaid	11,475	38.9	32.5 - 45.8
Other insurance	21,195	41.2	36.6 - 46.1
<b>Nativity</b>			
Foreign born	28,072	46.4	41.8 - 51.0
US born (Includes Puerto Rico & U.S. Virgin Islands)	22,554	43.2	38.3 - 48.2
<b>Borough of residence</b>			
Bronx	8,114	41.9	34.2 - 49.9
Brooklyn	22,081	50.7	45.2 - 56.2
Manhattan	6,084	35.0	27.5 - 43.2
Queens	13,467	46.3	39.6 - 53.1
Staten Island (estimate based on < 60 respondents and may not be reliable)	1,447	35.3	21.0 - 52.7

\* 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 1,492 NYC women giving birth in 2007.

\*\*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, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	86,754	72.7	69.6 - 75.5
<b>Age</b>			
19 and under	6,410	77.4	65.2 - 86.2
20 to 24	19,141	68.6	61.5 - 74.9
25 to 34	47,453	76.9	72.8 - 80.6
35 and over	13,750	64.0	56.9 - 70.6
<b>Race/ethnicity</b>			
White non-Hispanic	23,941	65.1	59.2 - 70.6
Black non-Hispanic	21,866	74.9	68.4 - 80.4
Hispanic	30,807	81.6	77.0 - 85.5
Asian/Pacific Islander	9,919	64.6	55.1 - 73.1
<b>Education</b>			
Less than high school	18,851	76.9	69.9 - 82.7
High school	25,609	67.7	61.7 - 73.3
More than high school	41,894	74.2	70.1 - 77.9
<b>Insurance before pregnancy</b>			
No insurance	25,209	74.3	68.4 - 79.4
Medicaid	21,720	69.5	63.0 - 75.3
Other insurance	39,727	73.6	69.2 - 77.6
<b>Nativity</b>			
Foreign born	47,355	74.9	70.8 - 78.6
US born (Includes Puerto Rico & U.S. Virgin Islands)	38,927	70.4	65.8 - 74.7
<b>Borough of residence</b>			
Bronx	15,790	74.7	67.3 - 80.8
Brooklyn	31,495	68.2	62.9 - 73.0
Manhattan	13,575	76.8	69.5 - 82.9
Queens	22,962	76.2	70.2 - 81.4
Staten Island (estimate based on < 60 respondents and may not be reliable)	2,931	68.9	52.6 - 81.5

\* 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 1,492 NYC women giving birth in 2007.

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, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	35,047	61.3	56.5 - 65.8
<b>Age</b>			
19 and under	3,607	60.1	44.8 - 73.7
20 to 24	10,220	64.9	55.4 - 73.3
25 to 34	15,962	58.6	51.7 - 65.2
35 and over	5,259	64.1	52.4 - 74.3
<b>Race/ethnicity</b>			
White non-Hispanic	7,325	71.2	59.8 - 80.4
Black non-Hispanic	11,582	58.3	50.0 - 66.2
Hispanic	11,724	55.5	48.0 - 62.8
Asian/Pacific Islander	4,403	75.9	60.5 - 86.7
<b>Education</b>			
Less than high school	8,735	61.1	51.2 - 70.2
High school	12,130	63.9	55.3 - 71.8
More than high school	14,182	59.8	52.8 - 66.4
<b>Insurance before pregnancy</b>			
No insurance	12,620	64.0	55.7 - 71.5
Medicaid	11,921	66.5	57.8 - 74.2
Other insurance	10,296	53.3	45.5 - 61.0
<b>Nativity</b>			
Foreign born	19,208	60.8	54.4 - 66.9
US born (Includes Puerto Rico & U.S. Virgin Islands)	15,699	62.3	55.1 - 68.9
<b>Borough of residence</b>			
Bronx	6,631	58.4	47.7 - 68.3
Brooklyn	13,957	64.6	56.7 - 71.7
Manhattan	4,218	66.8	52.3 - 78.7
Queens	9,286	58.3	49.2 - 66.8
Staten Island (estimate based on < 60 respondents and may not be reliable)	956	48.6	25.7 - 72.2

\* 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 1,492 NYC women giving birth in 2007.

Number and percent of unintended pregnancies among live births  
by select sociodemographic characteristics: NYC PRAMS, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	42,900	36.0	32.9 - 39.3
<b>Age</b>			
19 and under	5,947	72.8	60.3 - 82.5
20 to 24	12,512	43.6	36.8 - 50.6
25 to 34	19,247	31.5	27.4 - 36.0
35 and over	5,194	24.5	18.9 - 31.2
<b>Race/ethnicity</b>			
White non-Hispanic	6,079	16.7	12.5 - 21.8
Black non-Hispanic	16,152	54.9	48.1 - 61.6
Hispanic	16,219	42.7	37.3 - 48.2
Asian/Pacific Islander	4,313	29.1	20.9 - 38.9
<b>Education</b>			
Less than high school	12,301	50.3	42.8 - 57.9
High school	14,062	36.9	31.2 - 43.0
More than high school	16,522	29.5	25.6 - 33.8
<b>Insurance before pregnancy</b>			
No insurance	15,005	43.3	37.2 - 49.5
Medicaid	14,814	47.9	41.3 - 54.6
Other insurance	12,970	24.4	20.6 - 28.7
<b>Nativity</b>			
Foreign born	22,742	36.1	31.9 - 40.6
US born (Includes Puerto Rico & U.S. Virgin Islands)	19,590	35.5	31.0 - 40.3
<b>Borough of residence</b>			
Bronx	9,313	43.7	36.2 - 51.4
Brooklyn	15,569	33.9	28.9 - 39.2
Manhattan	5,146	29.4	22.4 - 37.5
Queens	11,084	37.1	30.8 - 43.8
Staten Island (estimate based on < 60 respondents and may not be reliable)	1,788	41.2	26.4 - 57.9

\* 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 1,492 NYC women giving birth in 2007.

Number and percent of women diagnosed with postpartum depression  
by select sociodemographic characteristics: NYC PRAMS, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	6,617	5.5	4.2 - 7.3
<b>Age</b>			
19 and under	612	7.5	3.0 - 17.5
20 to 24	1,804	6.5	3.8 - 11.0
25 to 34	3,242	5.2	3.5 - 7.7
35 and over	960	4.4	2.2 - 8.6
<b>Race/ethnicity</b>			
White non-Hispanic	608	1.7	0.7 - 3.7
Black non-Hispanic	1,715	5.9	3.4 - 10.2
Hispanic	2,628	6.8	4.5 - 10.1
Asian/Pacific Islander	1,542	10.4	5.7 - 18.2
<b>Education</b>			
Less than high school	1,716	7.1	4.1 - 11.9
High school	2,637	6.9	4.3 - 11.0
More than high school	2,265	4.0	2.6 - 6.0
<b>Insurance before pregnancy</b>			
No insurance	3,136	9.1	6.1 - 13.4
Medicaid	1,520	5.0	2.8 - 8.7
Other insurance	1,962	3.6	2.2 - 5.9
<b>Nativity</b>			
Foreign born	4,482	7.0	5.0 - 9.8
US born (Includes Puerto Rico & U.S. Virgin Islands)	2,135	3.9	2.4 - 6.2
<b>Borough of residence</b>			
Bronx	1,190	5.6	3.0 - 10.3
Brooklyn	1,958	4.2	2.5 - 7.1
Manhattan	1,271	7.1	3.8 - 12.8
Queens	1,826	6.1	3.6 - 10.2
Staten Island (estimate based on < 60 respondents and may not be reliable)	372	8.7	2.9 - 23.2

\* 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 1,492 NYC women giving birth in 2007.

Number and percent of women who were victims of intimate partner violence during pregnancy by select sociodemographic characteristics: NYC PRAMS, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	3,936	3.3	2.3 - 4.7
<b>Age</b>			
19 and under	404	4.9	1.7 - 13.1
20 to 24	1,429	5.0	2.6 - 9.3
25 to 34	1,846	3.0	1.8 - 5.0
35 and over	257	1.2	0.4 - 3.7
<b>Race/ethnicity</b>			
White non-Hispanic	428	1.2	0.4 - 3.7
Black non-Hispanic	1,057	3.6	1.7 - 7.1
Hispanic	2,424	6.3	4.0 - 9.8
Asian/Pacific Islander	28	0.2	0.0 - 0.7
<b>Education</b>			
Less than high school	1,255	5.0	2.6 - 9.4
High school	1,901	5.0	2.9 - 8.4
More than high school	780	1.4	0.7 - 2.9
<b>Insurance before pregnancy</b>			
No insurance	2,420	7.0	4.4 - 10.9
Medicaid	904	2.9	1.3 - 6.3
Other insurance	612	1.1	0.5 - 2.5
<b>Nativity</b>			
Foreign born	2,119	3.3	2.0 - 5.4
US born (Includes Puerto Rico & U.S. Virgin Islands)	1,817	3.3	1.9 - 5.6
<b>Borough of residence</b>			
Bronx	790	3.7	1.6 - 8.3
Brooklyn	1,850	4.0	2.3 - 6.8
Manhattan	340	1.9	0.7 - 5.3
Queens	637	2.1	0.9 - 5.0
Staten Island (estimate based on < 60 respondents and may not be reliable)	320	7.5	2.4 - 21.0

\* 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 1,492 NYC women giving birth in 2007.

Number and percent of women who drank any alcohol three months prior to conception by select sociodemographic characteristics: NYC PRAMS, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	41,039	34.6	31.5 - 37.7
<b>Age</b>			
19 and under	2,088	25.2	15.8 - 37.7
20 to 24	7,984	28.2	22.3 - 35.1
25 to 34	22,143	36.5	32.2 - 40.9
35 and over	8,824	41.1	34.4 - 48.2
<b>Race/ethnicity</b>			
White non-Hispanic	15,518	43.0	37.3 - 49.0
Black non-Hispanic	8,687	29.9	24.0 - 36.6
Hispanic	12,121	31.9	27.0 - 37.2
Asian/Pacific Islander	4,701	30.8	22.9 - 40.0
<b>Education</b>			
Less than high school	4,961	20.3	14.9 - 27.1
High school	9,250	24.2	19.4 - 29.7
More than high school	26,813	48.3	43.8 - 52.8
<b>Insurance before pregnancy</b>			
No insurance	8,227	23.8	18.8 - 29.7
Medicaid	7,951	25.7	20.4 - 31.8
Other insurance	24,723	46.7	42.0 - 51.4
<b>Nativity</b>			
Foreign born	16,074	25.5	21.8 - 29.5
US born (Includes Puerto Rico & U.S. Virgin Islands)	24,718	45.2	40.5 - 50.0
<b>Borough of residence</b>			
Bronx	6,910	32.4	25.8 - 39.7
Brooklyn	12,928	28.2	23.8 - 33.2
Manhattan	9,835	57.2	48.8 - 65.2
Queens	9,956	32.9	26.9 - 39.4
Staten Island (estimate based on < 60 respondents and may not be reliable)	1,410	34.0	20.7 - 50.4

\* 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 1,492 NYC women giving birth in 2007.

Number and percent of women who drank any alcohol during the last three months of pregnancy by select sociodemographic characteristics: NYC PRAMS, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	11,530	9.7	7.9 - 11.7
<b>Age</b>			
19 and under	332	3.9	1.0 - 14.0
20 to 24	2,259	7.9	4.7 - 12.9
25 to 34	5,238	8.6	6.4 - 11.3
35 and over	3,701	17.4	12.7 - 23.3
<b>Race/ethnicity</b>			
White non-Hispanic	5,204	14.4	10.9 - 18.8
Black non-Hispanic	3,227	11.0	7.3 - 16.1
Hispanic	2,178	5.7	3.6 - 8.9
Asian/Pacific Islander	921	6.0	3.1 - 11.3
<b>Education</b>			
Less than high school	1,372	5.6	2.9 - 10.6
High school	2,005	5.2	3.1 - 8.6
More than high school	8,153	14.6	11.8 - 18.0
<b>Insurance before pregnancy</b>			
No insurance	2,472	7.1	4.5 - 11.2
Medicaid	1,934	6.2	3.6 - 10.4
Other insurance	7,124	13.4	10.6 - 16.7
<b>Nativity</b>			
Foreign born	4,645	7.3	5.4 - 9.9
US born (Includes Puerto Rico & U.S. Virgin Islands)	6,774	12.3	9.5 - 15.7
<b>Borough of residence</b>			
Bronx	1,644	7.7	4.5 - 12.8
Brooklyn	3,864	8.4	6.0 - 11.7
Manhattan	3,921	22.5	16.4 - 30.0
Queens	1,657	5.5	3.0 - 9.6
Staten Island (estimate based on < 60 respondents and may not be reliable)	444	10.4	4.0 - 24.8

\* 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 1,492 NYC women giving birth in 2007.

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, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	30,335	74.1	69.1 - 78.6
<b>Age</b>			
19 and under	1,948	93.3	69.2 - 98.9
20 to 24	5,918	74.1	60.5 - 84.3
25 to 34	17,262	78.0	71.4 - 83.4
35 and over	5,207	59.9	48.9 - 69.9
<b>Race/ethnicity</b>			
White non-Hispanic	10,314	66.5	58.0 - 74.0
Black non-Hispanic	6,078	70.1	57.3 - 80.3
Hispanic	10,138	84.4	75.8 - 90.4
Asian/Pacific Islander	3,793	80.7	66.0 - 90.0
<b>Education</b>			
Less than high school	3,687	74.3	56.3 - 86.7
High school	7,727	83.5	72.8 - 90.6
More than high school	18,906	70.8	64.7 - 76.3
<b>Insurance before pregnancy</b>			
No insurance	5,853	71.1	57.9 - 81.5
Medicaid	6,290	80.2	67.9 - 88.6
Other insurance	18,055	73.1	66.8 - 78.5
<b>Nativity</b>			
Foreign born	11,871	74.4	66.1 - 81.3
US born (Includes Puerto Rico & U.S. Virgin Islands)	18,328	74.1	67.6 - 79.7
<b>Borough of residence</b>			
Bronx	5,487	79.6	66.7 - 88.3
Brooklyn	9,478	73.3	64.1 - 80.8
Manhattan	6,026	61.3	50.4 - 71.1
Queens	8,379	85.1	74.6 - 91.8
Staten Island (estimate based on < 60 respondents and may not be reliable)	965	68.5	40.3 - 87.5

\* 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 1,492 NYC women giving birth in 2007.

Number and percent of women who smoked three months prior to conception  
by select sociodemographic characteristics: NYC PRAMS, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	13,449	11.3	9.3 - 13.6
<b>Age</b>			
19 and under	1,170	14.1	7.5 - 25.0
20 to 24	3,989	14.1	9.7 - 20.0
25 to 34	6,301	10.3	7.8 - 13.6
35 and over	1,989	9.3	5.9 - 14.4
<b>Race/ethnicity</b>			
White non-Hispanic	4,227	11.6	8.2 - 16.2
Black non-Hispanic	3,994	13.6	9.4 - 19.4
Hispanic	4,317	11.4	8.3 - 15.6
Asian/Pacific Islander	911	6.0	2.8 - 12.3
<b>Education</b>			
Less than high school	3,512	14.4	9.8 - 20.6
High school	5,822	15.3	11.3 - 20.3
More than high school	3,923	7.0	5.0 - 9.6
<b>Insurance before pregnancy</b>			
No insurance	3,867	11.3	7.7 - 16.2
Medicaid	5,005	16.1	11.7 - 21.8
Other insurance	4,578	8.6	6.3 - 11.6
<b>Nativity</b>			
Foreign born	4,241	6.7	4.7 - 9.5
US born (Includes Puerto Rico & U.S. Virgin Islands)	8,889	16.2	12.8 - 20.2
<b>Borough of residence</b>			
Bronx	2,508	11.8	7.6 - 17.7
Brooklyn	3,813	8.4	5.8 - 11.9
Manhattan	2,663	15.1	9.7 - 22.8
Queens	3,707	12.2	8.3 - 17.5
Staten Island (estimate based on < 60 respondents and may not be reliable)	758	17.8	8.6 - 33.2

\* 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 1,492 NYC women giving birth in 2007.

Number and percent of women who smoked during the last three months of pregnancy  
by select sociodemographic characteristics: NYC PRAMS, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	5,629	4.7	3.4 - 6.4
<b>Age</b>			
19 and under	452	5.5	2.1 - 13.3
20 to 24	2,440	8.6	5.2 - 13.9
25 to 34	2,280	3.7	2.3 - 6.0
35 and over	457	2.1	0.8 - 5.6
<b>Race/ethnicity</b>			
White non-Hispanic	1,225	3.4	1.6 - 6.7
Black non-Hispanic	2,419	8.3	5.1 - 13.1
Hispanic	1,461	3.8	2.2 - 6.7
Asian/Pacific Islander	524	3.5	1.1 - 10.0
<b>Education</b>			
Less than high school	2,181	8.9	5.3 - 14.4
High school	2,436	6.4	3.9 - 10.2
More than high school	1,011	1.8	0.9 - 3.5
<b>Insurance before pregnancy</b>			
No insurance	1,696	4.9	2.7 - 8.7
Medicaid	2,764	8.9	5.6 - 13.6
Other insurance	1,169	2.2	1.2 - 4.1
<b>Nativity</b>			
Foreign born	2,306	3.6	2.2 - 6.0
US born (Includes Puerto Rico & U.S. Virgin Islands)	3,306	6.0	4.0 - 8.9
<b>Borough of residence</b>			
Bronx	1,370	6.4	3.5 - 11.4
Brooklyn	1,645	3.6	2.0 - 6.4
Manhattan	959	5.4	2.4 - 11.7
Queens	1,627	5.3	2.9 - 9.6
Staten Island (estimate based on < 60 respondents and may not be reliable)	28	0.7	0.2 - 2.6

\* 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 1,492 NYC women giving birth in 2007.

Number and percent of women who stopped smoking during pregnancy among those who smoked before pregnancy by select sociodemographic characteristics: NYC PRAMS, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	7,820	58.1	47.9 - 67.8
<b>Age</b>			
19 and under	718	61.4	30.6 - 85.2
20 to 24	1,549	38.8	22.3 - 58.5
25 to 34	4,021	63.8	48.7 - 76.6
35 and over	1,532	77.0	51.9 - 91.2
<b>Race/ethnicity</b>			
White non-Hispanic	3,002	71.0	51.6 - 84.9
Black non-Hispanic	1,575	39.4	22.5 - 59.4
Hispanic	2,856	66.2	49.0 - 79.9
Asian/Pacific Islander	386	42.4	14.3 - 76.5
<b>Education</b>			
Less than high school	1,330	37.9	21.3 - 57.9
High school	3,386	58.2	41.9 - 72.8
More than high school	2,912	74.2	56.9 - 86.3
<b>Insurance before pregnancy</b>			
No insurance	2,171	56.2	36.5 - 74.0
Medicaid	2,241	44.8	29.0 - 61.7
Other insurance	3,408	74.5	58.1 - 86.0
<b>Nativity</b>			
Foreign born	1,935	45.6	29.0 - 63.2
US born (Includes Puerto Rico & U.S. Virgin Islands)	5,582	62.8	50.2 - 73.9
<b>Borough of residence</b>			
Bronx	1,138	45.4	25.1 - 67.3
Brooklyn	2,168	56.9	38.2 - 73.7
Manhattan	1,704	64.0	39.5 - 82.9
Queens	2,080	56.1	36.1 - 74.3
Staten Island (estimate based on < 60 respondents and may not be reliable)	730	96.3	84.6 - 99.2

\* 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 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 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 1,492 NYC women giving birth in 2007.

Number and percent of women overweight or obese before pregnancy  
by select sociodemographic characteristics: NYC PRAMS, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	39,802	36.3	33.1 - 39.7
<b>Age</b>			
19 and under	2,872	38.0	25.7 - 51.9
20 to 24	8,417	33.2	26.7 - 40.5
25 to 34	21,109	37.7	33.3 - 42.5
35 and over	7,405	35.6	29.0 - 42.8
<b>Race/ethnicity</b>			
White non-Hispanic	9,281	25.9	20.9 - 31.6
Black non-Hispanic	14,023	50.2	43.2 - 57.1
Hispanic	13,836	43.7	37.9 - 49.7
Asian/Pacific Islander	2,346	17.0	10.6 - 26.1
<b>Education</b>			
Less than high school	9,640	45.4	37.4 - 53.7
High school	12,479	37.2	31.2 - 43.7
More than high school	17,491	32.0	27.9 - 36.3
<b>Insurance before pregnancy</b>			
No insurance	9,941	35.4	29.2 - 42.3
Medicaid	13,764	46.6	39.8 - 53.5
Other insurance	16,097	31.1	26.9 - 35.6
<b>Nativity</b>			
Foreign born	18,068	33.0	28.6 - 37.6
US born (Includes Puerto Rico & U.S. Virgin Islands)	21,610	39.9	35.2 - 44.8
<b>Borough of residence</b>			
Bronx	9,191	47.8	40.0 - 55.8
Brooklyn	15,199	35.3	30.2 - 40.8
Manhattan	4,226	26.4	19.5 - 34.7
Queens	10,065	37.3	30.8 - 44.2
Staten Island (estimate based on < 60 respondents and may not be reliable)	1,120	25.8	14.5 - 41.6

\* 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 1,492 NYC women giving birth in 2007.
4. Missing > 10% of data on BMI.

Number and percent of women who ever breastfed  
by select sociodemographic characteristics: NYC PRAMS, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	98,297	86.4	83.9 - 88.6
<b>Age</b>			
19 and under	6,412	78.5	64.5 - 88.1
20 to 24	21,985	83.8	77.5 - 88.6
25 to 34	51,168	87.4	83.9 - 90.1
35 and over	18,732	90.4	85.2 - 93.9
<b>Race/ethnicity</b>			
White non-Hispanic	31,468	89.4	85.0 - 92.6
Black non-Hispanic	21,671	81.5	75.2 - 86.5
Hispanic	33,221	89.6	85.6 - 92.6
Asian/Pacific Islander	11,593	80.0	70.4 - 87.0
<b>Education</b>			
Less than high school	18,154	79.3	71.9 - 85.2
High school	31,686	86.6	81.8 - 90.3
More than high school	47,880	89.2	86.0 - 91.7
<b>Insurance before pregnancy</b>			
No insurance	28,447	87.6	82.2 - 91.5
Medicaid	24,142	82.4	76.6 - 87.0
Other insurance	45,611	88.0	84.5 - 90.8
<b>Nativity</b>			
Foreign born	54,252	89.8	86.7 - 92.3
US born (Includes Puerto Rico & U.S. Virgin Islands)	43,618	83.0	78.8 - 86.5
<b>Borough of residence</b>			
Bronx	17,164	88.6	82.5 - 92.7
Brooklyn	37,974	86.4	82.0 - 89.8
Manhattan	14,981	85.5	78.3 - 90.6
Queens	24,830	86.5	80.9 - 90.6
Staten Island (estimate based on < 60 respondents and may not be reliable)	3,347	81.3	66.0 - 90.7

\* 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 1,492 NYC women giving birth in 2007.

Number and percent of women who breastfed for 8 weeks or more  
by select sociodemographic characteristics: NYC PRAMS, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	74,981	67.3	64.0 - 70.4
<b>Age</b>			
19 and under	3,869	49.0	36.1 - 62.0
20 to 24	15,856	61.5	54.1 - 68.5
25 to 34	40,419	70.6	66.1 - 74.7
35 and over	14,839	72.6	65.6 - 78.6
<b>Race/ethnicity</b>			
White non-Hispanic	26,621	76.8	71.2 - 81.6
Black non-Hispanic	15,763	59.0	51.8 - 65.8
Hispanic	23,694	66.6	61.0 - 71.7
Asian/Pacific Islander	8,711	62.0	51.8 - 71.2
<b>Education</b>			
Less than high school	12,752	58.7	50.6 - 66.3
High school	23,375	64.5	58.3 - 70.3
More than high school	38,278	72.4	68.1 - 76.3
<b>Insurance before pregnancy</b>			
No insurance	20,884	66.4	59.8 - 72.4
Medicaid	16,750	59.1	52.2 - 65.8
Other insurance	37,249	72.3	67.8 - 76.4
<b>Nativity</b>			
Foreign born	42,790	73.0	68.7 - 77.0
US born (Includes Puerto Rico & U.S. Virgin Islands)	31,876	61.3	56.3 - 66.0
<b>Borough of residence</b>			
Bronx	12,961	68.5	60.8 - 75.4
Brooklyn	29,935	69.7	64.3 - 74.5
Manhattan	12,665	73.8	65.7 - 80.6
Queens	17,106	60.4	53.5 - 67.0
Staten Island (estimate based on < 60 respondents and may not be reliable)	2,314	57.6	40.7 - 72.9

\* 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 1,492 NYC women giving birth in 2007.

Number and percent of women who exclusively breastfed for 8 weeks or more  
by select sociodemographic characteristics: NYC PRAMS, 2007\*

Characteristic	Number	Percent	95% CI
<b>Overall</b>			
All NYC mothers, 2007	35,088	32.2	29.0 - 35.5
<b>Age</b>			
19 and under	2,300	29.6	19.0 - 42.9
20 to 24	8,593	32.9	26.3 - 40.1
25 to 34	17,293	31.3	27.0 - 36.0
35 and over	6,902	34.6	27.9 - 42.0
<b>Race/ethnicity</b>			
White non-Hispanic	13,496	39.2	33.3 - 45.4
Black non-Hispanic	6,265	24.1	18.5 - 30.8
Hispanic	11,659	33.7	28.5 - 39.4
Asian/Pacific Islander	3,544	25.8	18.0 - 35.5
<b>Education</b>			
Less than high school	7,877	36.7	29.4 - 44.7
High school	9,781	27.7	22.3 - 33.9
More than high school	17,045	32.9	28.6 - 37.5
<b>Insurance before pregnancy</b>			
No insurance	11,146	35.7	29.7 - 42.2
Medicaid	6,713	24.2	18.6 - 30.9
Other insurance	17,131	34.2	29.7 - 39.0
<b>Nativity</b>			
Foreign born	19,417	34.2	29.8 - 38.8
US born (Includes Puerto Rico & U.S. Virgin Islands)	15,355	29.8	25.4 - 34.6
<b>Borough of residence</b>			
Bronx	6,045	32.4	25.2 - 40.6
Brooklyn	13,095	31.2	26.2 - 36.6
Manhattan	6,707	40.4	32.5 - 48.9
Queens	8,124	29.2	23.3 - 35.9
Staten Island (estimate based on < 60 respondents and may not be reliable)	1,116	28.0	15.0 - 46.1

\* 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 1,492 NYC women giving birth in 2007.