

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 2005 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 tables presented here represent live births in July-December 2004 and May-December 2005, periods in which at least a 70% response rate was achieved. Survey responses were received from 1,796 mothers and are weighted to represent 138,266 live births during these periods.

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, 2004-2005*

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

Characteristic	Number	Percent	95% CI
Overall	68,687	53.7	50.7 - 56.7
Age			
≤19	3,621	40.3	29.6 - 52.0
20-24	12,125	43.5	37.1 - 50.1
25-34	36,729	55.9	51.8 - 60.0
≥35	16,211	64.0	57.4 - 70.2
Race			
White non-Hispanic	23,908	64.9	59.2 - 70.2
Black non-Hispanic	14,904	50.4	44.2 - 56.5
Hispanic	21,408	45.0	40.2 - 49.9
Asian/Pacific Islander	8,118	61.5	51.7 - 70.5
Education			
<12 years	11,923	43.7	37.2 - 50.4
12 years	19,587	47.4	42.0 - 52.8
>12 years	36,960	62.7	58.4 - 66.7
Insurance Status Before Pregnancy			
No insurance	18,785	50.1	44.5 - 55.7
Medicaid	12,297	36.6	31.1 - 42.5
Other insurance	37,278	66.9	62.5 - 71.0
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	29,549	54.0	49.4 - 58.5
Foreign born	38,193	52.9	48.9 - 56.9
Borough of Residence			
Bronx	7,930	43.2	35.7 - 51.0
Brooklyn	23,685	48.8	44.0 - 53.7
Manhattan	14,190	66.9	59.7 - 73.3
Queens	19,334	57.5	51.4 - 63.4
Staten Island	3,548	58.1	44.3 - 70.8

* 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 represent NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

**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, 2004-2005*

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

Characteristic	Number	Percent	95% CI
Overall	99,868	80.2	77.6 - 82.5
Age			
≤19	6,478	74.6	63.3 - 83.3
20-24	21,111	77.1	71.1 - 82.2
25-34	51,708	80.9	77.3 - 84.0
≥35	20,572	83.7	78.0 - 88.1
Race			
White non-Hispanic	31,432	86.5	82.1 - 90.0
Black non-Hispanic	22,433	78.6	73.1 - 83.2
Hispanic	37,115	80.4	76.1 - 84.1
Asian/Pacific Islander	8,555	65.8	56.0 - 74.4
Education			
<12 years	20,522	77.2	70.9 - 82.5
12 years	32,137	80.1	75.3 - 84.2
>12 years	47,176	81.8	78.3 - 84.9
Insurance Status Before Pregnancy			
No insurance	27,098	75.2	69.8 - 79.8
Medicaid	27,978	84.9	80.3 - 88.7
Other insurance	44,410	81.0	77.2 - 84.4
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	44,668	83.3	79.6 - 86.4
Foreign born	54,575	78.0	74.4 - 81.2
Borough of Residence			
Bronx	14,704	81.6	74.7 - 86.9
Brooklyn	36,376	77.2	72.8 - 81.1
Manhattan	16,722	81.3	74.7 - 86.5
Queens	26,530	80.4	75.1 - 84.8
Staten Island	5,536	94.0	84.4 - 97.8

* 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 represent NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

**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, 2004-2005*

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

Characteristic	Number	Percent	95% CI
Overall	62,111	48.5	45.5 - 51.5
Age			
≤19	5,092	56.7	44.8 - 67.8
20-24	15,131	54.0	47.4 - 60.4
25-34	30,510	46.5	42.4 - 50.7
≥35	11,379	44.7	38.2 - 51.4
Race			
White non-Hispanic	14,298	38.8	33.5 - 44.4
Black non-Hispanic	17,809	59.7	53.5 - 65.5
Hispanic	21,669	45.6	40.8 - 50.5
Asian/Pacific Islander	7,977	60.4	50.6 - 69.4
Education			
<12 years	13,421	49.1	42.4 - 55.8
12 years	20,347	49.0	43.6 - 54.5
>12 years	28,144	47.7	43.4 - 51.9
Insurance Status Before Pregnancy			
No insurance	20,396	54.2	48.6 - 59.7
Medicaid	14,983	44.5	38.7 - 50.4
Other insurance	26,180	47.0	42.5 - 51.5
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	24,576	44.8	40.3 - 49.4
Foreign born	36,789	50.9	46.9 - 54.9
Borough of Residence			
Bronx	8,825	48.3	40.7 - 56.1
Brooklyn	24,187	49.8	44.9 - 54.6
Manhattan	10,557	49.4	42.3 - 56.6
Queens	15,973	47.3	41.3 - 53.4
Staten Island	2,571	42.1	29.6 - 55.6

* 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 represent NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

**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, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	100,968	75.4	72.7 - 77.8
Age			
≤19	7,377	78.2	67.5 - 86.1
20-24	21,333	73.3	67.2 - 78.7
25-34	53,698	78.5	75.0 - 81.7
≥35	18,560	68.5	62.3 - 74.1
Race			
White non-Hispanic	25,154	64.5	59.0 - 69.6
Black non-Hispanic	25,325	79.6	74.5 - 83.9
Hispanic	40,280	82.5	78.5 - 85.8
Asian/Pacific Islander	9,758	71.5	62.6 - 79.0
Education			
<12 years	20,787	73.5	67.4 - 78.8
12 years	32,345	75.0	70.0 - 79.4
>12 years	47,802	76.8	73.2 - 80.1
Insurance Status Before Pregnancy			
No insurance	30,344	77.4	72.5 - 81.6
Medicaid	24,894	70.3	64.7 - 75.4
Other insurance	45,023	77.1	73.3 - 80.5
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	42,697	72.6	68.5 - 76.4
Foreign born	57,658	77.6	74.2 - 80.7
Borough of Residence			
Bronx	14,684	78.0	71.2 - 83.6
Brooklyn	36,237	70.5	66.0 - 74.7
Manhattan	17,113	75.8	69.4 - 81.3
Queens	27,961	81.2	76.3 - 85.3
Staten Island	4,974	73.4	60.8 - 83.1

* 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 represent NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

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, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	39,289	56.9	52.8 - 61.0
Age			
≤19	3,309	51.0	37.5 - 64.4
20-24	10,496	61.5	53.2 - 69.2
25-34	19,246	56.1	50.2 - 61.8
≥35	6,239	55.9	45.5 - 65.8
Race			
White non-Hispanic	9,397	66.0	56.5 - 74.3
Black non-Hispanic	10,913	54.0	46.5 - 61.4
Hispanic	15,635	52.7	46.5 - 58.9
Asian/Pacific Islander	3,281	69.4	54.0 - 81.5
Education			
<12 years	11,499	68.2	59.7 - 75.5
12 years	14,428	57.7	50.7 - 64.4
>12 years	13,242	49.0	42.6 - 55.4
Insurance Status Before Pregnancy			
No insurance	13,352	57.4	50.2 - 64.2
Medicaid	12,903	63.6	56.1 - 70.5
Other insurance	12,676	51.3	44.4 - 58.2
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	17,339	57.4	51.1 - 63.4
Foreign born	21,629	56.4	50.8 - 61.8
Borough of Residence			
Bronx	6,098	53.0	43.2 - 62.5
Brooklyn	15,249	57.2	50.6 - 63.5
Manhattan	5,304	67.3	55.1 - 77.6
Queens	10,223	52.2	44.2 - 60.2
Staten Island	2,415	70.6	51.3 - 84.5

* 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 represent NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

Number and percent of unintended pregnancies among live births
by select sociodemographic characteristics: NYC PRAMS, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	53,862	39.7	36.9 - 42.6
Age			
≤19	5,901	64.1	52.4 - 74.3
20-24	14,496	48.7	42.5 - 55.1
25-34	25,416	36.6	32.8 - 40.6
≥35	8,050	29.4	23.8 - 35.7
Race			
White non-Hispanic	8,472	21.9	17.6 - 26.8
Black non-Hispanic	17,178	54.0	48.1 - 59.7
Hispanic	24,333	48.4	43.6 - 53.2
Asian/Pacific Islander	3,709	26.2	19.0 - 34.9
Education			
<12 years	14,348	47.9	41.6 - 54.3
12 years	17,493	40.4	35.4 - 45.6
>12 years	21,867	35.2	31.3 - 39.3
Insurance Status Before Pregnancy			
No insurance	18,620	46.1	40.7 - 51.5
Medicaid	15,945	43.8	38.3 - 49.5
Other insurance	18,988	32.8	28.8 - 37.1
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	23,560	40.1	35.9 - 44.6
Foreign born	30,030	39.5	35.7 - 43.4
Borough of Residence			
Bronx	8,822	45.3	38.0 - 52.9
Brooklyn	19,882	38.0	33.6 - 42.7
Manhattan	7,607	33.3	27.0 - 40.3
Queens	15,183	43.7	37.9 - 49.7
Staten Island	2,368	37.0	25.4 - 50.3

* 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 represent NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

Number and percent of women diagnosed with postpartum depression
by select sociodemographic characteristics: NYC PRAMS, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	7,525	5.6	4.4 - 7.1
Age			
≤19	931	10.1	5.1 - 19.2
20-24	453	1.5	0.6 - 3.7
25-34	4,289	6.2	4.5 - 8.4
≥35	1,852	6.8	4.1 - 11.1
Race			
White non-Hispanic	1,202	3.1	1.7 - 5.5
Black non-Hispanic	1,292	4.0	2.3 - 7.1
Hispanic	3,107	6.1	4.2 - 8.9
Asian/Pacific Islander	1,924	14.2	8.7 - 22.4
Education			
<12 years	2,569	8.8	5.8 - 13.2
12 years	2,226	5.1	3.2 - 8.1
>12 years	2,730	4.4	3.0 - 6.4
Insurance Status Before Pregnancy			
No insurance	2,641	6.5	4.3 - 9.8
Medicaid	2,361	6.7	4.3 - 10.2
Other insurance	2,523	4.3	2.9 - 6.4
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	1,996	3.4	2.2 - 5.3
Foreign born	5,419	7.1	5.4 - 9.5
Borough of Residence			
Bronx	1,194	6.1	3.3 - 10.9
Brooklyn	2,675	5.2	3.4 - 7.8
Manhattan	954	4.2	2.2 - 7.6
Queens	2,331	6.7	4.3 - 10.3
Staten Island	372	5.6	1.9 - 15.0

* 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 represent 138,266 NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

Number and percent of women who were victims of intimate partner violence during pregnancy by select sociodemographic characteristics: NYC PRAMS, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	5,093	3.8	2.8 - 5.1
Age			
≤19	885	9.5	4.6 - 18.7
20-24	1,691	5.8	3.4 - 9.7
25-34	1,897	2.7	1.7 - 4.3
≥35	620	2.3	0.9 - 5.7
Race			
White non-Hispanic	636	1.6	0.7 - 3.8
Black non-Hispanic	2,333	7.3	4.8 - 11.0
Hispanic	2,070	4.2	2.5 - 6.7
Asian/Pacific Islander	55	0.4	0.2 - 1.1
Education			
<12 years	1,872	6.4	3.9 - 10.3
12 years	1,613	3.7	2.2 - 6.3
>12 years	1,591	2.6	1.5 - 4.4
Insurance Status Before Pregnancy			
No insurance	1,729	4.3	2.6 - 7.1
Medicaid	2,032	5.7	3.5 - 9.0
Other insurance	1,332	2.3	1.3 - 4.1
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	3,001	5.1	3.4 - 7.5
Foreign born	2,092	2.8	1.7 - 4.4
Borough of Residence			
Bronx	1,378	7.1	4.0 - 12.2
Brooklyn	1,885	3.7	2.2 - 5.9
Manhattan	337	1.5	0.4 - 4.9
Queens	1,346	3.9	2.1 - 7.1
Staten Island	147	2.2	0.4 - 10.1

* 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 represent NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

Number and percent of women who drank any alcohol three months prior to conception
by select sociodemographic characteristics: NYC PRAMS, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	48,381	36.1	33.3 - 38.9
Age			
≤19	2,526	27.0	18.1 - 38.4
20-24	8,977	30.7	25.1 - 36.9
25-34	26,011	38.0	34.1 - 42.0
≥35	10,866	40.2	34.1 - 46.5
Race			
White non-Hispanic	19,878	51.1	45.6 - 56.6
Black non-Hispanic	10,284	32.6	27.3 - 38.4
Hispanic	15,503	31.7	27.3 - 36.4
Asian/Pacific Islander	2,537	17.9	12.3 - 25.4
Education			
<12 years	6,493	22.4	17.5 - 28.3
12 years	10,920	25.4	21.0 - 30.3
>12 years	30,801	49.8	45.6 - 53.9
Insurance Status Before Pregnancy			
No insurance	10,129	25.3	20.9 - 30.3
Medicaid	8,839	24.8	20.2 - 30.0
Other insurance	29,400	51.2	46.8 - 55.6
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	28,270	48.2	43.8 - 52.6
Foreign born	19,445	26.1	22.8 - 29.7
Borough of Residence			
Bronx	5,711	29.6	23.2 - 36.8
Brooklyn	15,158	29.5	25.4 - 33.9
Manhattan	12,250	54.4	47.4 - 61.2
Queens	12,194	35.6	30.0 - 41.6
Staten Island	3,068	46.4	33.9 - 59.4

* 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 represent NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

Number and percent of women who drank any alcohol during the last three months of pregnancy by select sociodemographic characteristics: NYC PRAMS, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	11,661	8.7	7.2 - 10.4
Age			
≤19	315	3.3	0.9 - 11.3
20-24	574	2.0	0.8 - 4.8
25-34	6,989	10.2	8.0 - 12.9
≥35	3,783	14.0	10.2 - 18.8
Race			
White non-Hispanic	6,681	17.2	13.5 - 21.7
Black non-Hispanic	1,963	6.2	3.9 - 9.8
Hispanic	2,221	4.5	3.0 - 6.8
Asian/Pacific Islander	613	4.3	1.9 - 9.4
Education			
<12 years	831	2.9	1.5 - 5.6
12 years	1,951	4.5	2.7 - 7.3
>12 years	8,713	14.1	11.4 - 17.2
Insurance Status Before Pregnancy			
No insurance	1,777	4.4	2.8 - 7.0
Medicaid	1,654	4.6	2.8 - 7.6
Other insurance	8,218	14.2	11.5 - 17.6
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	6,179	10.5	8.2 - 13.5
Foreign born	5,084	6.8	5.1 - 9.0
Borough of Residence			
Bronx	1,085	5.6	3.1 - 10.0
Brooklyn	4,352	8.4	6.2 - 11.5
Manhattan	3,946	17.4	12.8 - 23.2
Queens	1,986	5.8	3.6 - 9.1
Staten Island	292	4.4	1.5 - 12.5

* 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 represent NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

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, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	37,008	76.5	72.2 - 80.3
Age			
≤19	2,211	87.5	64.1 - 96.5
20-24	8,391	93.6	85.0 - 97.4
25-34	19,311	74.3	68.1 - 79.6
≥35	7,095	65.3	55.5 - 74.0
Race			
White non-Hispanic	13,318	67.0	59.6 - 73.6
Black non-Hispanic	8,377	81.5	71.9 - 88.4
Hispanic	13,378	86.4	79.8 - 91.0
Asian/Pacific Islander	1,924	75.9	55.5 - 88.8
Education			
<12 years	5,700	87.8	76.8 - 94.0
12 years	9,101	83.5	73.9 - 90.0
>12 years	22,207	72.1	66.6 - 77.0
Insurance Status Before Pregnancy			
No insurance	8,357	82.6	73.5 - 89.0
Medicaid	7,207	81.6	71.2 - 88.9
Other insurance	21,444	72.9	67.2 - 78.0
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	22,112	78.2	72.7 - 82.9
Foreign born	14,628	75.3	68.2 - 81.2
Borough of Residence			
Bronx	4,636	81.3	68.7 - 89.6
Brooklyn	10,928	72.1	63.8 - 79.2
Manhattan	8,315	67.9	58.7 - 75.9
Queens	10,353	84.9	76.5 - 90.7
Staten Island	2,776	90.5	74.6 - 96.8

* Notes.

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

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 represent NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

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

Number and percent of women who smoked three months prior to conception
by select sociodemographic characteristics: NYC PRAMS, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	17,735	13.2	11.3 - 15.3
Age			
≤19	2,124	22.5	14.0 - 34.1
20-24	3,921	13.6	9.8 - 18.5
25-34	9,165	13.3	10.7 - 16.3
≥35	2,524	9.2	6.2 - 13.5
Race			
White non-Hispanic	7,144	18.2	14.4 - 22.9
Black non-Hispanic	3,647	11.5	8.3 - 15.8
Hispanic	5,903	12.0	9.2 - 15.7
Asian/Pacific Islander	920	6.5	2.9 - 13.7
Education			
<12 years	4,858	17.0	12.6 - 22.5
12 years	4,822	11.1	8.1 - 15.0
>12 years	7,934	12.7	10.2 - 15.7
Insurance Status Before Pregnancy			
No insurance	4,547	11.4	8.4 - 15.4
Medicaid	5,101	14.4	10.8 - 18.9
Other insurance	8,062	13.8	11.0 - 17.2
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	11,729	20.0	16.6 - 23.7
Foreign born	5,942	7.9	6.0 - 10.4
Borough of Residence			
Bronx	2,847	14.9	10.3 - 21.1
Brooklyn	5,946	11.5	8.9 - 14.9
Manhattan	3,132	13.9	9.7 - 19.5
Queens	3,871	11.1	7.8 - 15.8
Staten Island	1,940	28.6	18.3 - 41.8

* 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 represent NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

Number and percent of women who smoked during the last three months of pregnancy
by select sociodemographic characteristics: NYC PRAMS, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	8,210	6.1	4.8 - 7.7
Age			
≤19	777	8.2	3.6 - 17.7
20-24	1,690	5.9	3.6 - 9.6
25-34	4,708	6.8	5.0 - 9.3
≥35	1,035	3.8	2.0 - 7.0
Race			
White non-Hispanic	2,914	7.4	5.0 - 11.0
Black non-Hispanic	1,899	6.0	3.8 - 9.4
Hispanic	2,906	5.9	4.0 - 8.8
Asian/Pacific Islander	370	2.6	0.9 - 7.5
Education			
<12 years	2,781	9.7	6.5 - 14.3
12 years	2,653	6.1	4.0 - 9.4
>12 years	2,655	4.3	2.9 - 6.2
Insurance Status Before Pregnancy			
No insurance	2,827	7.1	4.7 - 10.6
Medicaid	2,625	7.4	5.0 - 10.8
Other insurance	2,758	4.7	3.1 - 7.1
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	4,954	8.4	6.2 - 11.3
Foreign born	3,244	4.3	3.0 - 6.3
Borough of Residence			
Bronx	962	5.0	2.7 - 9.3
Brooklyn	3,022	5.9	4.0 - 8.5
Manhattan	1,148	5.1	2.7 - 9.4
Queens	1,782	5.1	3.0 - 8.6
Staten Island	1,297	19.1	10.6 - 32.1

* Notes.

1. PRAMS Question #32: In the last 3 months of your 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 represent NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

Number and percent of women who stopped smoking during pregnancy among those who smoked before pregnancy by select sociodemographic characteristics: NYC PRAMS, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	9,538	54.2	46.0 - 62.1
Age			
≤19	1,347	63.4	37.2 - 83.5
20-24	2,229	58.6	41.2 - 74.1
25-34	4,473	48.8	37.8 - 59.9
≥35	1,490	59.0	38.7 - 76.6
Race			
White non-Hispanic	4,230	59.2	46.2 - 71.1
Black non-Hispanic	1,867	51.2	34.7 - 67.4
Hispanic	2,892	50.0	35.9 - 64.1
Asian/Pacific Islander	549	59.7	23.5 - 87.7
Education			
<12 years	1,971	41.6	26.9 - 58.0
12 years	2,170	45.0	29.8 - 61.2
>12 years	5,397	68.0	56.5 - 77.7
Insurance Status Before Pregnancy			
No insurance	1,599	36.1	22.5 - 52.4
Medicaid	2,492	48.8	34.3 - 63.6
Other insurance	5,423	67.3	55.0 - 77.6
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	6,894	58.8	48.7 - 68.2
Foreign born	2,592	44.5	30.9 - 59.0
Borough of Residence			
Bronx	1,898	69.6	49.8 - 84.2
Brooklyn	2,924	49.2	36.0 - 62.5
Manhattan	1,984	63.3	43.8 - 79.3
Queens	2,089	54.0	35.5 - 71.4
Staten Island	643	33.1	15.2 - 57.9

* 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 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 represent NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

#32: In the last 3 months of your 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)

Number and percent of women overweight or obese before pregnancy
by select sociodemographic characteristics: NYC PRAMS, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	47,482	38.9	35.9 - 41.9
Age			
≤19	2,514	31.9	21.7 - 44.3
20-24	8,917	34.7	28.6 - 41.4
25-34	23,721	37.8	33.7 - 42.0
≥35	12,330	47.7	41.2 - 54.3
Race			
White non-Hispanic	9,797	26.4	21.7 - 31.7
Black non-Hispanic	16,996	55.3	49.3 - 61.2
Hispanic	17,281	42.5	37.4 - 47.9
Asian/Pacific Islander	3,255	24.9	17.6 - 34.0
Education			
<12 years	9,179	41.0	34.0 - 48.4
12 years	17,446	44.4	39.0 - 50.0
>12 years	20,736	34.4	30.5 - 38.6
Insurance Status Before Pregnancy			
No insurance	10,989	35.4	29.8 - 41.4
Medicaid	16,415	48.2	42.4 - 54.1
Other insurance	19,959	35.4	31.2 - 39.8
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	24,362	42.6	38.2 - 47.1
Foreign born	22,810	35.6	31.7 - 39.8
Borough of Residence			
Bronx	9,827	55.7	47.8 - 63.4
Brooklyn	18,156	38.8	34.1 - 43.7
Manhattan	5,839	28.0	22.0 - 34.9
Queens	11,006	35.9	30.0 - 42.2
Staten Island	2,653	42.1	29.7 - 55.7

* Notes.

1. Body mass index (BMI) was calculated based on mothers' self reported pre-pregnancy weight and height. BMI ≥ 25 is counted as overweight or obese.
2. Totals for each category may not equal overall total due to missing data or rounding.
3. Data represent NYC resident births from July to December 2004 and May to December 2005.
Data are weighted and are based on responses of 1,796 women giving birth in these time periods.
4. Missing $\geq 10\%$ of data on BMI.

Number and percent of women who ever breastfed
by select sociodemographic characteristics: NYC PRAMS, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	107,966	84.3	82.0 - 86.4
Age			
≤19	7,529	83.8	73.4 - 90.7
20-24	23,468	83.6	78.2 - 87.8
25-34	55,473	84.7	81.4 - 87.5
≥35	21,496	84.1	78.5 - 88.5
Race			
White non-Hispanic	31,550	85.3	80.8 - 88.9
Black non-Hispanic	23,879	80.4	75.1 - 84.8
Hispanic	41,346	87.0	83.3 - 90.0
Asian/Pacific Islander	10,698	80.8	71.7 - 87.5
Education			
<12 years	21,855	80.4	74.6 - 85.2
12 years	33,584	81.0	76.4 - 84.9
>12 years	52,344	88.4	85.3 - 90.8
Insurance Status Before Pregnancy			
No insurance	32,286	85.9	81.6 - 89.4
Medicaid	27,461	81.5	76.5 - 85.6
Other insurance	47,335	84.8	81.2 - 87.9
WIC During Pregnancy			
No	46,114	87.4	84.0 - 90.2
Yes	59,858	82.1	78.8 - 85.0
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	43,528	79.5	75.5 - 83.0
Foreign born	63,624	87.9	85.0 - 90.3
Borough of Residence			
Bronx	14,687	80.4	73.4 - 86.0
Brooklyn	41,736	85.2	81.4 - 88.3
Manhattan	18,151	85.0	79.0 - 89.5
Queens	29,407	88.2	83.6 - 91.6
Staten Island	3,986	65.3	51.1 - 77.1

*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 represent 138,266 NYC resident births from July to December 2004 and May to December 2005.

Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

Number and percent of women who breastfed for at least 8 weeks
by select sociodemographic characteristics: NYC PRAMS, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	76,278	61.4	58.4 - 64.3
Age			
≤19	3,300	39.1	28.2 - 51.2
20-24	15,574	56.8	50.2 - 63.2
25-34	41,296	64.9	60.7 - 68.8
≥35	16,108	65.1	58.4 - 71.3
Race			
White non-Hispanic	24,948	69.5	64.0 - 74.5
Black non-Hispanic	16,149	56.7	50.4 - 62.8
Hispanic	27,272	59.1	54.1 - 63.9
Asian/Pacific Islander	7,712	58.3	48.6 - 67.4
Education			
<12 years	14,403	55.6	48.7 - 62.3
12 years	23,970	59.2	53.7 - 64.5
>12 years	37,904	65.6	61.4 - 69.5
Insurance Status Before Pregnancy			
No insurance	24,036	66.2	60.6 - 71.4
Medicaid	18,983	58.1	52.1 - 63.9
Other insurance	32,948	60.5	56.0 - 64.9
WIC During Pregnancy			
No	32,805	64.1	59.4 - 68.5
Yes	41,779	59.2	55.1 - 63.1
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	28,263	53.0	48.3 - 57.6
Foreign born	47,524	67.8	63.9 - 71.5
Borough of Residence			
Bronx	8,495	49.1	41.2 - 57.1
Brooklyn	30,800	64.9	60.1 - 69.4
Manhattan	14,266	68.1	61.0 - 74.4
Queens	20,430	63.0	56.7 - 68.8
Staten Island	2,286	37.5	25.6 - 51.1

* Notes.

1. PRAMS Question #52: How many weeks or months did you breastfeed or pump milk to your baby?
2. Women are surveyed between 2-8 months after delivery. In order to have complete information for all responders, breastfeeding duration is reported only through 8 weeks.
3. Totals for each category may not equal overall total due to missing data or rounding.
4. Data represent 138,266 NYC resident births from July to December 2004 and May to December 2005. Data are weighted and are based on responses of 1,796 women giving birth in these time periods.

Number and percent of women who exclusively breastfed for at least 8 weeks
by select sociodemographic characteristics: NYC PRAMS, 2004-2005*

Characteristic	Number	Percent	95% CI
Overall	32,486	26.4	23.8 - 29.2
Age			
≤19	1,751	19.9	11.9 - 31.4
20-24	6,525	23.8	18.6 - 30.0
25-34	18,453	29.5	25.8 - 33.5
≥35	5,756	23.7	18.5 - 29.9
Race			
White non-Hispanic	12,196	33.9	28.7 - 39.5
Black non-Hispanic	5,415	19.0	14.5 - 24.4
Hispanic	11,742	26.0	21.8 - 30.8
Asian/Pacific Islander	2,810	22.0	15.1 - 30.9
Education			
<12 years	6,365	24.9	19.2 - 31.5
12 years	9,293	23.4	19.0 - 28.4
>12 years	16,645	29.0	25.2 - 33.0
Insurance Status Before Pregnancy			
No insurance	9,862	28.0	23.1 - 33.6
Medicaid	7,585	23.2	18.5 - 28.7
Other insurance	14,693	27.2	23.3 - 31.3
WIC During Pregnancy			
No	14,884	29.3	25.2 - 33.7
Yes	17,392	24.9	21.4 - 28.6
Country of Birth			
US born (Includes Puerto Rico & U.S. Virgin Islands)	12,536	23.5	19.8 - 27.6
Foreign born	19,633	28.6	25.0 - 32.5
Borough of Residence			
Bronx	3,340	19.0	13.5 - 26.1
Brooklyn	14,049	29.9	25.6 - 34.6
Manhattan	6,114	29.7	23.5 - 36.8
Queens	7,904	24.8	19.8 - 30.6
Staten Island	1,080	17.7	9.7 - 30.1

* Notes.

- PRAMS Question #52: How many weeks or months did you breastfeed or pump milk to your baby?
Question #52: How old was your baby the first time you fed him or her anything besides breast milk? Include formula, baby food, juice, cow's milk, water, sugar water, or anything else you fed your baby.
Duration of exclusive breastfeeding is calculated based on answers to Questions #52 and Question #54.
- Women are surveyed between 2-8 months after delivery. In order to have complete information for all responders, breastfeeding duration is reported only through 8 weeks.
- Totals for each category may not equal overall total due to missing data or rounding.
- Data represent 138,266 NYC resident births from July to December 2004 and May to December 2005.
Data are weighted and are based on responses of 1,796 women giving birth in these time periods.