

Michigan PRAMS Indicator Tables 2012 Birth Year

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Introduction to the 2012 MI PRAMS Annual Tables

Michigan's Pregnancy Risk Assessment Monitoring System (MI PRAMS) is an annual population-based survey of new mothers, assessing behaviors and experiences around the time of pregnancy. MI PRAMS is a collaboration between Centers for Disease Control and Prevention (CDC) and the Michigan Department of Health and Human Services (MDHHS). MI PRAMS operations are housed within the Maternal and Child Health Epidemiology Section, a part of the Division of Lifecourse Epidemiology and Genomics.

MI PRAMS utilizes a mixed-mode methodology in order to gather information from women selected to participate in the survey. This combination mail/telephone survey methodology is used in order to maximize response rates. Data collection for the 2012 birth year was conducted by the Michigan State University Office for Survey Research.

MI PRAMS surveys approximately 1-2% of resident mothers who have delivered a live born infant in Michigan within each calendar year. MI PRAMS mothers are selected using a stratified random sample of live birth certificates. In 2012, the sample was selected from within the following strata:

Stratum 1: Black mothers, Calhoun County

Stratum 2: Black mothers, Kent County

Stratum 3: Black mothers, low birthweight infants, Wayne County

Stratum 4: Black mothers, normal birthweight infants, Wayne County

Stratum 5: Low birthweight infants, entire state

Stratum 6: Black mothers, normal birthweight infants, southeast Michigan [St. Clair, Macomb, Oakland, Livingston, Washtenaw, Wayne, and Monroe Counties]

Stratum 7: All other mothers, normal birthweight infants, southeast Michigan

Stratum 8: Black mothers, normal birthweight infants, all non-southeast counties

Stratum 9: All other mothers, normal birthweight infants, all non-southeast counties

In 2012, 3,812 women were selected for PRAMS and 1,989 completed the survey, for an unweighted response rate of 52.1%. Adjusting for differing probabilities of selection within each stratum, the weighted response rate is 61%. Survey results from these 1,989 respondents are weighted to represent the approximately 109,701 pregnancies resulting in live births in 2012. While a typical PRAMS year will sample women with infants born from January through December, for the 2012 birth year MI PRAMS sampled mothers of live births taking place from April through December. Enough women were sampled during these nine months to represent the entire birth year.

The 2012 birth year is the first year of Phase 7 of the PRAMS survey. The Phase 7 version of PRAMS was used from 2012 through 2015. The prior phase, Phase 6, ran from 2009-2011. Many questions in the survey are asked with identical wording across survey phases, so some comparisons can be made over time. There are a few topics where wording changes across survey phases make direct comparison over time impossible. These include pre-pregnancy and postpartum depression, pregnancy intention, infant cosleeping, and pre-pregnancy income. A multi-phase topic map can be found at:

http://www.michigan.gov/documents/mdch/MI_PRAMS_Topic_Map_366719_7.pdf.

New survey topics covered in Phase 7 include workplace leave, post-pregnancy insurance coverage for the mother, family history of chronic disease, primary location of prenatal care, general satisfaction with prenatal care and delivery, access to services during pregnancy, and participation in home visiting programs. A comparison of topics between this report and the prior year's report can be found in the Appendix.



**Table 1. Distribution of selected maternal characteristics,
MI PRAMS, 2012**

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Maternal Age				
Total	1,989	109,701	100.0	
<18 Years	65	3,048	2.8	(1.9-4.0)
18-19 Years	140	6,209	5.7	(4.4-7.3)
20-24 Years	568	27,033	24.6	(22.1-27.3)
25-29 Years	540	32,418	29.6	(26.9-32.4)
30-34 Years	432	27,303	24.9	(22.4-27.6)
35-39 Years	187	10,835	9.9	(8.3-11.8)
40+ Years	57	2,855	2.6	(1.8-3.7)
Race/Ethnicity				
Total	1,985	109,238	100.0	
White, non-Hispanic	811	75,805	69.4	(67.2-71.5)
Black, non-Hispanic	1,010	19,598	17.9	(17.5-18.4)
Hispanic	64	5,977	5.5	(4.1-7.3)
Asian/Pacific Islander, non-Hispanic	42	3,277	3.0	(2.1-4.2)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	57	4,548	42.0	(3.1-5.6)
Education				
Total	1,980	109,444	100.0	
<High School	287	16,061	14.7	(12.4-17.3)
HS Grad/GED	560	26,645	24.3	(21.9-26.9)
Some College	682	35,747	32.7	(29.9-35.5)
College Degree+	451	30,990	28.3	(25.7-31.0)
Pre-Pregnancy Insurance Status				
Total	1,965	108,421	100.0	
Uninsured	264	17,702	16.3	(14.1-18.8)
Medicaid/Public	785	30,345	28.0	(25.4-30.7)
Private	869	58,255	53.7	(50.7-56.7)
Other	47	2,119	2.0	(1.3-3.0)
Marital Status				
Total	1,989	109,701	100.0	
Married	857	61,289	55.9	(52.9-58.8)
Other	1,132	48,412	44.1	(41.2-47.1)
Parity				
Total	1,971	109,003	100.0	
1	827	44,854	41.1	(38.2-44.2)
2+	1,144	64,149	58.9	(55.8-61.8)
Last Year's Household Income				
Total	1,836	102,773	100.0	
<\$15,000	686	29,402	28.6	(25.9-31.5)
\$15,001-\$22,000	269	13,166	12.8	(10.9-15.0)
\$22,001-\$37,000	251	15,358	14.9	(12.8-17.4)
\$37,001-\$56,000	206	12,510	12.2	(10.3-14.4)
\$56,001+	424	32,338	31.5	(28.7-34.4)

*Data not shown due to small sample size.



Table 2. Distribution of pre-pregnancy maternal body mass index categories, MI PRAMS, 2012

Body Mass Index (BMI)	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
BMI Category[†]				
Underweight	66	3,306	3.0	(2.2-4.2)
Normal Weight	902	54,430	49.6	(46.6-52.6)
Overweight	456	23,830	21.7	(19.3-24.3)
Obese	565	28,135	25.6	(23.1-28.4)

[†]Based on IOM 2009 weight categories. Weight categories are calculated using pre-pregnancy body mass index (BMI).

BMI formula = (Weight in pounds * 0.45) / [(Height in inches * 0.025)²]

Underweight BMI = <18.5, Normal weight BMI = 18.5-24.9, Overweight BMI = 25-29.9, Obese BMI = >30.



Table 3. Prevalence of pre-pregnancy underweight BMI by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	66	3,306	3.0	(2.2-4.2)
Maternal Age				
<20 Years	*	*	*	*
20-29 Years	46	1,896	3.2	(2.1-4.7)
30+ Years	16	1,093	2.7	(1.4-5.1)
Race/Ethnicity				
White, non-Hispanic	26	1,926	2.5	(1.6-4.0)
Black, non-Hispanic	31	586	3.0	(2.0-4.5)
Hispanic	*	*	*	*
Asian/Pacific Islander, non-Hispanic	*	*	*	*
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	*	*	*	*
Education				
<High School	12	595	3.7	(1.5-8.9)
HS Grad/GED	14	649	2.4	(1.2-4.9)
Some College	26	1,309	3.7	(2.2-6.0)
College Degree+	14	753	2.4	(1.2-4.7)
Pre-Pregnancy Insurance Status				
Uninsured	10	541	3.1	(1.1-8.2)
Medicaid/Public	28	988	3.3	(1.9-5.5)
Private	24	1,685	2.9	(1.8-4.6)
Other	*	*	*	*
Marital Status				
Married	30	1,952	3.2	(2.1-4.9)
Other	36	1,353	2.8	(1.7-4.7)
Parity				
1	28	1,425	3.2	(2.0-5.1)
2+	37	1,783	2.8	(1.7-4.4)
Last Year's Household Income				
<\$15,000	29	1,299	4.4	(2.6-7.5)
\$15,001-\$22,000	12	610	4.6	(2.2-9.6)
\$22,001-\$37,000	6	169	1.1	(0.3-3.6)
\$37,001-\$56,000	6	398	3.2	(1.2-8.1)
\$56,001+	10	769	2.4	(1.2-4.8)

*Data not shown due to small sample size.



Table 4. Prevalence of pre-pregnancy normal weight BMI by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	902	54,430	49.6	(46.6-52.6)
Maternal Age				
<20 Years	125	5,387	58.2	(47.0-68.6)
20-29 Years	505	29,661	49.9	(45.8-54.0)
30+ Years	272	19,383	47.3	(42.5-52.2)
Race/Ethnicity				
White, non-Hispanic	419	39,350	51.9	(48.0-55.8)
Black, non-Hispanic	395	7,738	39.5	(36.0-43.1)
Hispanic	32	2,869	48.0	(33.6-62.7)
Asian/Pacific Islander, non-Hispanic	24	2,060	62.9	(45.4-77.5)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	28	2,053	45.1	(30.5-60.6)
Education				
<High School	139	7,619	47.4	(38.5-56.5)
HS Grad/GED	255	13,025	48.9	(43.0-54.8)
Some College	270	15,892	44.5	(39.4-49.6)
College Degree+	235	17,828	57.5	(52.0-62.9)
Pre-Pregnancy Insurance Status				
Uninsured	128	9,658	54.6	(46.6-62.3)
Medicaid/Public	345	14,300	47.1	(41.7-52.7)
Private	407	29,541	50.7	(46.6-54.9)
Other	15	654	30.9	(15.6-52.0)
Marital Status				
Married	386	30,982	50.6	(46.5-54.6)
Other	516	23,448	48.4	(43.9-53.0)
Parity				
1	426	25,310	56.4	(51.8-61.0)
2+	463	28,601	44.6	(40.7-48.6)
Last Year's Household Income				
<\$15,000	305	13,777	46.9	(41.0-52.8)
\$15,001-\$22,000	107	5,340	40.6	(32.4-49.2)
\$22,001-\$37,000	104	7,030	45.8	(37.6-54.1)
\$37,001-\$56,000	93	6,117	48.9	(40.1-57.7)
\$56,001+	218	18,081	55.9	(50.4-61.3)

*Data not shown due to small sample size.



Table 5. Prevalence of pre-pregnancy overweight BMI by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	456	23,830	21.7	(19.3-24.3)
Maternal Age				
<20 Years	44	2,037	22.0	(14.0-32.9)
20-29 Years	237	11,997	20.2	(17.1-23.7)
30+ Years	175	9,796	23.9	(20.1-28.2)
Race/Ethnicity				
White, non-Hispanic	167	16,044	21.2	(18.1-24.6)
Black, non-Hispanic	250	4,861	24.8	(21.8-28.0)
Hispanic	14	1,258	21.0	(11.2-36.1)
Asian/Pacific Islander, non-Hispanic	11	685	20.9	(10.5-37.4)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	14	982	21.6	(11.6-36.7)
Education				
<High School	63	3,516	21.9	(15.2-30.5)
HS Grad/GED	116	5,101	19.1	(14.9-24.2)
Some College	168	8,471	23.7	(19.7-28.3)
College Degree+	108	6,722	21.7	(17.5-26.6)
Pre-Pregnancy Insurance Status				
Uninsured	52	2,485	14.0	(9.7-19.9)
Medicaid/Public	160	5,475	18.0	(14.3-22.5)
Private	226	14,971	25.7	(22.2-29.5)
Other	11	529	25.0	(10.2-49.4)
Marital Status				
Married	221	14,317	23.4	(20.1-26.9)
Other	235	9,513	19.7	(16.3-23.5)
Parity				
1	186	9,499	21.2	(17.6-25.3)
2+	268	14,295	22.3	(19.2-25.7)
Last Year's Household Income				
<\$15,000	134	5,070	17.2	(13.3-22.0)
\$15,001-\$22,000	63	3,157	24.0	(17.2-32.4)
\$22,001-\$37,000	58	3,287	21.4	(15.3-29.1)
\$37,001-\$56,000	44	2,502	20.0	(13.7-28.2)
\$56,001+	113	7,822	24.2	(19.8-29.2)

*Data not shown due to small sample size.



Table 6. Prevalence of pre-pregnancy obese BMI by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	565	28,135	25.6	(23.1-28.4)
Maternal Age				
<20 Years	32	1,516	16.4	(9.6-26.5)
20-29 Years	320	15,897	26.7	(23.3-30.5)
30+ Years	213	10,721	26.2	(22.1-30.6)
Race/Ethnicity				
White, non-Hispanic	199	18,486	24.4	(21.1-28.0)
Black, non-Hispanic	334	6,414	32.7	(29.5-36.2)
Hispanic	17	1,753	29.3	(17.9-44.2)
Asian/Pacific Islander, non-Hispanic	*	*	*	*
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	11	1,079	23.7	(12.4-40.5)
Education				
<High School	73	4,330	27.0	(19.6-35.9)
HS Grad/GED	175	7,870	29.5	(24.4-35.2)
Some College	218	10,076	28.2	(23.9-33.0)
College Degree+	94	5,687	18.4	(14.4-23.0)
Pre-Pregnancy Insurance Status				
Uninsured	74	5,018	28.3	(21.7-36.1)
Medicaid/Public	252	9,583	31.6	(26.7-36.9)
Private	212	12,058	20.7	(17.6-24.2)
Other	18	873	41.2	(22.8-62.4)
Marital Status				
Married	220	14,038	22.9	(19.7-26.5)
Other	345	14,097	29.1	(25.2-33.4)
Parity				
Total	563	28,089	25.8	(23.2-28.5)
1	187	8,619	19.2	(15.9-23.0)
2+	376	19,470	30.4	(26.8-34.2)
Last Year's Household Income				
<\$15,000	218	9,256	31.5	(26.3-37.2)
\$15,001-\$22,000	87	4,060	30.8	(23.6-39.2)
\$22,001-\$37,000	83	4,872	31.7	(24.4-40.1)
\$37,001-\$56,000	63	3,493	27.9	(20.8-36.3)
\$56,001+	83	5,665	17.5	(13.7-22.1)

*Data not shown due to small sample size.



Table 7. Prevalence of maternal health problems during the 3 months before pregnancy, MI PRAMS, 2012

Maternal Health Problem	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Types (non-exclusive)				
Anxiety	279	18,680	17.1	(14.9-19.7)
Asthma	294	14,483	13.3	(11.4-15.4)
Depression	222	12,759	11.7	(9.8-13.9)
Anemia	373	12,305	11.3	(9.7-13.1)
Thyroid Problems	105	7,124	6.5	(5.2-8.2)
Hypertension	157	5,904	5.4	(4.3-6.8)
Diabetes	50	2,209	2.0	(1.4-3.0)
Heart Problems	40	2,070	1.9	(1.2-2.9)
Epilepsy	28	1,001	0.9	(0.6-1.5)



Table 8. Prevalence of pre-pregnancy discussions with health care provider about improving mother's health by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	461	23,807	21.9	(19.6-24.5)
Maternal Age				
<20 Years	43	1,594	17.5	(11.1-26.6)
20-29 Years	230	11,117	18.9	(15.9-22.3)
30+ Years	188	11,097	27.3	(23.2-31.9)
Race/Ethnicity				
White, non-Hispanic	168	14,975	19.9	(16.9-23.1)
Black, non-Hispanic	246	4,774	25.0	(22.0-28.3)
Hispanic	23	2,317	38.8	(25.4-54.1)
Asian/Pacific Islander, non-Hispanic	11	830	25.3	(13.2-43.0)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	11	716	16.7	(8.3-30.7)
Education				
<High School	70	3,906	25.1	(17.9-34.1)
HS Grad/GED	107	3,919	14.9	(11.3-19.3)
Some College	141	6,051	17.1	(13.7-21.0)
College Degree+	141	9,863	31.9	(26.9-37.3)
Pre-Pregnancy Insurance Status				
Uninsured	21	1,256	7.2	(4.2-12.1)
Medicaid/Public	195	7,340	24.4	(19.8-29.7)
Private	231	14,631	25.3	(21.9-29.0)
Other	11	484	23.1	(9.0-47.5)
Marital Status				
Married	237	15,713	25.7	(22.3-29.4)
Other	224	8,095	17.1	(14.0-20.7)
Parity				
1	209	11,418	25.7	(21.9-29.9)
2+	252	12,389	19.5	(16.5-22.8)
Last Year's Household Income				
<\$15,000	139	4,752	16.6	(12.9-21.2)
\$15,001-\$22,000	41	1,723	13.1	(8.0-20.6)
\$22,001-\$37,000	42	2,324	15.2	(10.1-22.1)
\$37,001-\$56,000	46	2,267	18.2	(12.4-25.8)
\$56,001+	136	10,100	31.3	(26.4-36.7)

*Data not shown due to small sample size.



Table 9. Prevalence of topics discussed by health care provider among women reporting any pre-pregnancy counseling, MI PRAMS, 2012

Topics Covered	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Type of Counseling (non-exclusive)				
Folic acid vitamins	313	18,810	79.8	(74.6-84.1)
Healthy weight	307	14,421	61.1	(54.7-67.1)
Smoking	299	14,425	60.7	(54.4-66.7)
Alcohol	291	13,786	58.1	(51.8-64.2)
Prescription drugs	247	12,776	53.8	(47.4-60.0)
Illegal drugs	281	12,492	52.6	(46.2-58.9)
Immunizations updated	233	11,299	47.6	(41.3-54.0)
Dental visits	218	10,174	43.3	(37.1-49.7)
Controlling diabetes/high blood pressure conditions	167	7,114	29.9	(24.5-35.9)
Genetic counseling	145	6,760	28.3	(23.0-34.4)
Depression/anxiety	117	5,370	22.6	(17.6-28.6)

Table 10. Prevalence of health behaviors during the 12 months before pregnancy, MI PRAMS, 2012

Preconception behavior	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Type of behavior (non-exclusive)				
Teeth cleaned	1,106	66,187	60.9	(58.0-63.8)
Exercised 3+ days/week	767	47,933	44.1	(41.1-47.1)
Talked about medical family history	683	37,162	34.2	(31.4-37.1)
Dieted to lose weight	524	31,113	28.6	(26.0-31.4)
Checked/treated for hypertension	590	27,582	25.4	(22.9-28.0)
Took Rx medicine	449	26,621	24.5	(22.0-27.2)
Checked/treated for depression/anxiety	394	21,949	20.2	(17.8-22.8)
Checked/treated for diabetes	420	19,033	17.5	(15.4-19.9)



Explanation of Pregnancy Intention, Pregnancy Timing, and Contraceptive Behavior

Michigan PRAMS asks women about several similar yet distinct concepts around pregnancy intention and contraceptive behavior. To measure pregnancy intention, PRAMS asks mothers to think about the time just before they became pregnant. Mothers report how they felt about becoming pregnant. Women can report that they wanted to be pregnant:

- sooner
- right at that time
- later
- not then or at any time in the future

Mothers who wanted to be pregnant sooner or right when they got pregnant, combined, make up women with an "intended" pregnancy. Mothers who wanted to be pregnant either never or sometime in the future had pregnancies that are classified as "unintended."

Starting with Phase 7 of MI PRAMS (2012-2015), a fifth pregnancy intention response option is offered. Women who were not sure whether they wanted to be pregnant could indicate that instead of choosing one of the other four responses. Because of the change in response options for pregnancy intention, comparisons cannot be made across survey phases (before 2012 and after 2012). **Table 11** and **Table 12** report pregnancy intention for Michigan mothers.

Pregnancy timing is calculated for all mothers who did not indicate their pregnancy was intended. Mothers who wanted to be pregnant in the future have pregnancies classified as "mistimed." Mothers who did not ever wish to get pregnant had pregnancies classified as "unwanted." **Table 13** contains these results.

Contraceptive behavior is distinct from pregnancy intention in that it asks mothers to report their actions at the time before their most recent pregnancy, not just their feelings about becoming pregnant. Mothers are asked whether they were trying to conceive at the time they became pregnant. Characteristics of women who report that they were trying to conceive at the time of pregnancy are reported in **Table 14**.

Mothers who were not trying to conceive are asked whether they were using any contraceptive practices or engaged in any behavior to prevent pregnancy at the time they became pregnant. **Table 15** reports the characteristics of mothers who became pregnant despite acting to prevent pregnancy. Characteristics of women who report they were not trying to conceive, but were also not engaged in any behaviors that would prevent pregnancy are characteristics are reported in **Table 16**. These mothers also share their reasons for not using contraceptives in **Table 17**.



Table 11. Distribution of pregnancy intention categories, MI PRAMS, 2012

Intention	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Intended	838	56,579	52.2	(49.2-55.2)
Unintended	741	33,484	30.9	(28.2-33.7)
Unsure	381	18,250	16.8	(14.7-19.2)

Table 12. Distribution of unintended pregnancy subtypes among women reporting either unsure or unintended pregnancy, MI PRAMS, 2012

Unintended Pregnancy Subtype	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Mistimed	537	25,178	48.7	(44.4-53.0)
Unwanted	204	8,306	16.1	(13.1-19.5)
Unsure	381	18,250	35.3	(31.3-39.5)



Table 13. Prevalence of unintended pregnancy by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	741	33,484	30.9	(28.2-33.7)
Maternal Age				
<20 Years	121	4,891	53.0	(42.0-63.8)
20-29 Years	457	20,709	35.2	(31.4-39.2)
30+ Years	163	7,884	19.6	(16.0-23.7)
Race/Ethnicity				
White, non-Hispanic	205	19,717	26.2	(22.9-29.9)
Black, non-Hispanic	487	9,329	48.5	(44.9-52.1)
Hispanic	20	1,919	34.2	(21.3-49.9)
Asian/Pacific Islander, non-Hispanic	6	496	15.2	(6.3-32.4)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	20	1,760	38.7	(24.7-54.9)
Education				
<High School	135	6,743	43.4	(34.6-52.7)
HS Grad/GED	239	9,973	37.7	(32.1-43.5)
Some College	285	12,017	34.0	(29.4-38.9)
College Degree+	77	4,616	15.1	(11.5-19.5)
Pre-Pregnancy Insurance Status				
Uninsured	102	6,059	34.4	(27.3-42.4)
Medicaid/Public	378	12,928	43.6	(38.3-49.1)
Private	230	12,891	22.3	(19.0-26.0)
Other	19	976	46.1	(26.6-66.8)
Marital Status				
Married	179	10,921	18.0	(15.1-21.4)
Other	562	22,564	47.2	(42.7-51.7)
Parity				
1	325	14,754	33.3	(29.0-37.8)
2+	407	18,423	29.1	(25.7-32.8)
Last Year's Household Income				
<\$15,000	343	14,171	48.6	(42.7-54.5)
\$15,001-\$22,000	118	4,627	35.3	(27.7-43.9)
\$22,001-\$37,000	83	3,964	26.2	(19.8-33.9)
\$37,001-\$56,000	70	3,556	28.8	(21.6-37.2)
\$56,001+	60	4,371	13.6	(10.2-17.8)

*Data not shown due to small sample size.



Table 14. Characteristics of women trying to conceive during the pre-pregnancy period, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	748	51,651	48.0	(44.9-51.0)
Maternal Age				
<20 Years	24	1,981	21.8	(13.4-33.5)
20-29 Years	381	25,504	43.7	(39.6-47.8)
30+ Years	343	24,166	60.1	(55.2-64.7)
Race/Ethnicity				
White, non-Hispanic	439	40,721	54.5	(50.5-58.4)
Black, non-Hispanic	230	4,415	23.3	(20.4-26.6)
Hispanic	26	2,515	43.2	(29.2-58.3)
Asian/Pacific Islander, non-Hispanic	26	1,814	57.0	(39.4-73.1)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	26	2,089	45.9	(31.2-61.5)
Education				
<High School	65	4,436	28.7	(20.9-38.1)
HS Grad/GED	152	9,928	37.8	(32.1-43.9)
Some College	233	15,711	44.6	(39.5-49.8)
College Degree+	296	21,516	70.5	(65.1-75.3)
Pre-Pregnancy Insurance Status				
Uninsured	84	6,877	39.0	(31.5-47.2)
Medicaid/Public	174	9,072	30.8	(25.6-36.5)
Private	470	34,725	60.6	(56.4-64.6)
Other	14	494	23.3	(11.9-40.7)
Marital Status				
Married	530	39,843	65.9	(61.9-69.7)
Other	218	11,808	25.0	(21.1-29.3)
Parity				
1	328	21,323	48.2	(43.6-52.9)
2+	418	30,300	48.3	(44.3-52.3)
Last Year's Household Income				
<\$15,000	137	7,662	26.7	(21.6-32.4)
\$15,001-\$22,000	83	5,075	38.7	(30.6-47.5)
\$22,001-\$37,000	91	6,649	44.1	(35.9-52.6)
\$37,001-\$56,000	95	6,405	51.5	(42.6-60.2)
\$56,001+	304	23,484	73.9	(68.7-78.5)

*Data not shown due to small sample size.



Table 15. Prevalence of women who became pregnant despite using contraceptive practices, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	512	23,733	22.0	(19.6-24.6)
Maternal Age				
<20 Years	73	3,004	33.1	(23.5-44.4)
20-29 Years	307	14,327	24.5	(21.2-28.3)
30+ Years	132	6,402	15.9	(12.8-19.6)
Race/Ethnicity				
White, non-Hispanic	152	14,158	19.0	(16.0-22.3)
Black, non-Hispanic	324	6,148	32.5	(29.2-36.0)
Hispanic	11	1,376	23.6	(12.8-39.5)
Asian/Pacific Islander, non-Hispanic	*	*	*	*
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	16	1,190	26.2	(14.9-41.8)
Education				
<High School	78	3,211	20.8	(14.4-29.1)
HS Grad/GED	165	7,251	27.6	(22.6-33.3)
Some College	188	8,870	25.2	(21.0-29.9)
College Degree+	77	4,272	14.0	(10.6-18.3)
Pre-Pregnancy Insurance Status				
Uninsured	72	4,718	26.8	(20.3-34.5)
Medicaid/Public	239	7,768	26.4	(22.0-31.3)
Private	181	10,524	18.4	(15.3-21.9)
Other	14	503	23.7	(10.3-45.7)
Marital Status				
Married	137	9,086	15.0	(12.3-18.2)
Other	375	14,647	31.0	(27.0-35.3)
Parity				
1	196	9,051	20.5	(16.9-24.5)
2+	310	14,450	23.0	(19.9-26.5)
Last Year's Household Income				
<\$15,000	205	8,116	28.2	(23.2-33.9)
\$15,001-\$22,000	85	3,788	28.9	(21.8-37.3)
\$22,001-\$37,000	63	3,317	22.0	(15.9-29.6)
\$37,001-\$56,000	55	2,922	23.5	(16.9-31.7)
\$56,001+	54	3,850	12.1	(8.9-16.2)

*Data not shown due to small sample size.



Table 16. Prevalence of women who were not trying to conceive but were not doing anything to prevent pregnancy by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	681	32,298	30.0	(27.3-32.8)
Maternal Age				
<20 Years	98	4,089	45.1	(34.4-56.2)
20-29 Years	400	18,536	31.8	(28.1-35.7)
30+ Years	183	9,674	24.0	(20.1-28.5)
Race/Ethnicity				
White, non-Hispanic	207	19,829	26.5	(23.1-30.2)
Black, non-Hispanic	423	8,363	44.2	(40.6-47.9)
Hispanic	26	1,935	33.2	(21.0-48.2)
Asian/Pacific Islander, non-Hispanic	10	903	28.4	(15.3-46.5)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	15	1,270	27.9	(15.8-44.5)
Education				
<High School	132	7,784	50.4	(41.2-59.7)
HS Grad/GED	228	9,081	34.6	(29.3-40.3)
Some College	249	10,650	30.2	(25.9-35.0)
College Degree+	70	4,749	15.6	(11.9-20.1)
Pre-Pregnancy Insurance Status				
Uninsured	102	6,016	34.2	(27.2-41.9)
Medicaid/Public	349	12,624	42.8	(37.4-48.4)
Private	203	12,087	21.1	(17.8-24.7)
Other	19	1,122	52.9	(32.7-72.3)
Marital Status				
Married	175	11,501	19.0	(16.0-22.4)
Other	506	20,797	44.0	(39.6-48.6)
Parity				
1	283	13,843	31.3	(27.1-35.8)
2+	388	18,018	28.7	(25.3-32.4)
Last Year's Household Income				
<\$15,000	324	12,969	45.1	(39.3-51.1)
\$15,001-\$22,000	98	4,242	32.4	(25.0-40.8)
\$22,001-\$37,000	92	5,121	33.9	(26.6-42.1)
\$37,001-\$56,000	53	3,119	25.1	(18.1-33.6)
\$56,001+	58	4,461	14.0	(10.6-18.4)

*Data not shown due to small sample size.



Table 17. Reasons women who were not trying to conceive but were not doing anything to prevent pregnancy did not use contraception, MI PRAMS, 2012

Reason	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Reason (non-exclusive)				
Didn't mind getting pregnant	263	13,816	40.8	(35.7-46.1)
Thought couldn't get pregnant at that time	227	10,176	30.0	(25.3-35.1)
Partner didn't want to use birth control	159	5,670	16.7	(13.4-20.8)
Thought self/partner sterile	77	3,817	11.2	(8.1-15.3)
Side effects from birth control	91	3,713	10.9	(8.2-14.4)
Problems getting birth control	56	2,984	8.8	(6.1-12.5)
Forgot to use birth control	54	2,106	6.2	(4.2-9.0)
Other reason	94	4,719	13.9	(10.6-18.0)



Table 18. Prevalence of using any postpartum contraceptive method by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,527	83,855	77.9	(75.3-80.4)
Maternal Age				
<20 Years	159	7,663	85.4	(76.5-91.3)
20-29 Years	847	45,384	77.6	(73.9-80.9)
30+ Years	521	30,808	76.7	(72.2-80.6)
Race/Ethnicity				
White, non-Hispanic	633	59,964	80.3	(77.0-83.2)
Black, non-Hispanic	784	14,996	80.4	(77.3-83.2)
Hispanic	42	3,699	61.9	(46.3-75.3)
Asian/Pacific Islander, non-Hispanic	27	2,048	62.5	(44.7-77.5)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	38	2,782	61.2	(44.9-75.3)
Education				
<High School	204	10,716	70.0	(60.5-78.1)
HS Grad/GED	435	20,688	79.0	(73.8-83.4)
Some College	534	28,554	80.8	(76.5-84.5)
College Degree+	347	23,665	77.5	(72.5-81.9)
Pre-Pregnancy Insurance Status				
Uninsured	199	13,322	76.5	(69.1-82.5)
Medicaid/Public	597	22,657	77.3	(72.1-81.8)
Private	677	45,226	78.6	(74.9-81.8)
Other	35	1,595	76.2	(51.4-90.7)
Marital Status				
Married	646	45,469	75.3	(71.5-78.7)
Other	881	38,386	81.3	(77.5-84.6)
Parity				
1	618	33,743	76.4	(72.2-80.1)
2+	895	49,536	79.0	(75.4-82.2)
Last Year's Household Income				
<\$15,000	551	24,117	83.2	(78.4-87.2)
\$15,001-\$22,000	205	9,461	72.0	(63.3-79.4)
\$22,001-\$37,000	197	11,192	73.4	(65.0-80.3)
\$37,001-\$56,000	159	9,521	77.3	(69.0-83.9)
\$56,001+	316	24,525	76.7	(71.7-81.0)

*Data not shown due to small sample size.



Table 19. Prevalence of postpartum contraceptive methods, MI PRAMS, 2012

Method	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Pregnancy prevention method (non-exclusive)				
Condoms	527	30,444	35.8	(32.6-39.2)
Oral contraceptives	358	21,417	25.2	(22.3-28.3)
Withdrawal	245	13,512	15.9	(13.6-18.5)
Intrauterine device	194	11,448	13.5	(11.2-16.1)
Three month hormonal injection	261	8,594	10.1	(8.5-12.0)
Tubal ligation	155	8,460	10.0	(8.0-12.3)
Abstinence	176	7,880	9.3	(7.5-11.4)
Partner had vasectomy	47	3,432	4.0	(2.9-5.6)
Contraceptive implant	62	2,568	3.0	(2.0-4.5)
Rhythm method	37	2,149	2.5	(1.7-3.8)
Contraceptive patch or vaginal ring	21	1,236	1.5	(0.8-2.7)
Other method	28	1,429	1.7	(1.0-2.8)

Table 20. Reasons for not using postpartum contraceptive methods, MI PRAMS, 2012

Reason	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Reason (non-exclusive)				
Mother does not want to use birth control	114	7,494	30.0	(24.5-36.2)
Not having sex	123	6,625	26.6	(21.4-32.5)
Side effects from birth control	125	6,618	26.5	(21.4-32.4)
Mother wants to get pregnant	66	4,731	19.0	(14.4-24.7)
Mother has had tubes tied or blocked	38	2,913	11.7	(7.9-17.0)
Partner does not want to use anything	44	2,122	8.5	(5.8-12.3)
Problems getting birth control	29	1,160	4.7	(2.6-8.1)
Pregnant now	12	600	2.4	(1.1-5.2)
Partner has had vasectomy	*	*	*	*
Other reason	74	3,874	15.5	(11.6-20.6)

*Data not shown due to small sample size.



**Table 21. Trimester of entry into prenatal care,
MI PRAMS, 2012**

Trimester of entry	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
1st Trimester	1,580	91,900	85.6	(83.4-87.6)
2nd Trimester	297	13,300	12.4	(10.5-14.5)
3rd Trimester	34	1,295	1.2	(0.7-2.1)
No prenatal care	18	836	0.8	(0.4-1.5)

**Table 22. Prevalence of getting prenatal care as early as wanted,
MI PRAMS, 2012**

Got care as early as wanted?	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
No	364	18,086	16.8	(14.6-19.2)
Yes	1,579	89,473	83.2	(80.8-85.4)

**Table 23. Source of payments for prenatal care,
MI PRAMS, 2012**

Source of prenatal care payment	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Source of payment (non-exclusive)				
Uninsured during pregnancy	24	1,409	1.3	(0.8-2.2)
Medicaid/Public	1,170	54,884	50.6	(47.7-53.6)
Private - from work	857	56,922	52.6	(49.6-55.6)
Private - purchased directly	50	2,519	2.3	(1.6-3.3)
Private - TRICARE/other military	23	1,697	1.6	(1.0-2.6)
Other	78	3,528	3.3	(2.4-4.4)



Table 24. Prevalence of first trimester entry into prenatal care by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,580	91,900	85.6	(83.4-87.6)
Maternal Age				
<20 Years	119	5,869	65.8	(54.6-75.6)
20-29 Years	874	49,233	84.8	(81.6-87.5)
30+ Years	587	36,798	91.2	(88.0-93.6)
Race/Ethnicity				
White, non-Hispanic	720	66,231	88.7	(85.7-91.1)
Black, non-Hispanic	718	13,659	73.0	(69.6-76.2)
Hispanic	54	4,857	85.0	(68.8-93.6)
Asian/Pacific Islander, non-Hispanic	35	2,935	89.6	(76.1-95.9)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	48	3,722	83.9	(66.4-93.2)
Education				
<High School	184	10,680	70.9	(61.8-78.6)
HS Grad/GED	407	20,015	77.9	(72.5-82.5)
Some College	562	31,111	87.7	(84.0-90.6)
College Degree+	422	29,912	97.0	(94.7-98.3)
Pre-Pregnancy Insurance Status				
Uninsured	191	13,354	76.0	(68.5-82.1)
Medicaid/Public	562	23,058	79.3	(74.6-83.3)
Private	775	53,065	92.3	(89.6-94.4)
Other	36	1,585	76.7	(51.4-91.1)
Marital Status				
Married	764	56,180	93.0	(90.6-94.8)
Other	816	35,720	76.1	(72.0-79.8)
Parity				
1	655	37,956	86.2	(82.6-89.1)
2+	914	53,548	85.5	(82.4-88.1)
Last Year's Household Income				
<\$15,000	494	21,693	76.6	(71.2-81.2)
\$15,001-\$22,000	197	9,702	73.9	(65.3-81.0)
\$22,001-\$37,000	208	13,355	87.0	(80.6-91.5)
\$37,001-\$56,000	181	11,548	94.2	(89.8-96.8)
\$56,001+	399	30,783	96.0	(93.1-97.7)

*Data not shown due to small sample size.



Table 25. Prevalence of topics discussed by health care provider during prenatal care visits, MI PRAMS, 2012

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Topic (non-exclusive)				
Medicines safe to take during pregnancy	1,785	99,141	91.6	(89.8-93.2)
Tests for birth defects and hereditary disorders	1,736	96,498	89.2	(87.2-91.0)
Breastfeeding my baby	1,712	92,542	85.8	(83.5-87.8)
Signs and symptoms of preterm labor	1,629	89,256	82.6	(80.1-84.8)
Getting tested for HIV	1,639	87,854	81.6	(79.1-83.8)
Amount of weight to gain during pregnancy	1,561	86,009	79.5	(76.9-81.9)
What to do if experiencing depression during/after pregnancy	1,561	85,014	78.7	(76.0-81.1)
Smoking during pregnancy	1,534	81,165	75.2	(72.5-77.7)
Alcohol use during pregnancy	1,510	79,439	73.6	(70.8-76.2)
Illegal drug use during pregnancy	1,387	71,411	66.2	(63.3-69.0)
Domestic abuse towards women by partners	1,176	60,770	56.4	(53.3-59.3)
Seatbelt use	1,193	60,244	55.9	(52.8-58.9)

Table 26. Prevalence of HIV testing and prenatal care discussions about HIV testing, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Tested for HIV During Pregnancy or Delivery				
No	327	22,148	20.4	(18.1-23.0)
Yes	1,453	74,552	68.7	(65.8-71.4)
Do Not Know	184	11,868	10.9	(9.2-13.0)
Discussed HIV testing with provider				
Not Tested	191	13,273	12.4	(10.5-14.6)
Tested	1,338	68,036	63.6	(60.6-66.4)
Do Not Know	101	6,127	5.7	(4.5-7.3)
Did not discuss HIV testing with provider				
Not Tested	127	8,672	8.1	(6.6-9.9)
Tested	100	5,731	5.4	(4.1-6.9)
Do Not Know	78	5,180	4.8	(3.7-6.3)



Table 27. Prevalence of oral health related opinions and practices during pregnancy, MI PRAMS, 2012

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Opinions and Practices (non-exclusive)				
I knew it was important to care for my teeth and gums during pregnancy	1,724	97,063	89.7	(87.8-91.4)
A dental or other health care worker talked with me about how to care for my teeth and gums	1,069	60,607	56.1	(53.0-59.1)
I had my teeth cleaned by a dentist or dental hygienist	979	56,811	52.5	(49.5-55.5)
I had insurance to cover dental care during pregnancy	1,476	80,353	75.0	(72.2-77.6)
I needed to see a dentist for a problem	479	23,004	21.4	(19.0-24.0)
I went to a dentist or dental clinic about a problem	353	16,962	15.8	(13.7-18.2)



Table 28. Drinking behavior during the last three months of pregnancy compared to preconception behavior, MI PRAMS, 2012

Drinking Change	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Did not consume alcohol	833	41,100	38.0	(35.1-41.0)
Quit consuming alcohol	1,003	60,587	56.0	(52.9-59.0)
Reduced alcohol consumption	58	3,962	3.7	(2.7-5.0)
Same or more alcohol consumption	55	2,553	2.4	(1.6-3.4)

Table 29. Smoking behavior during the last three months of pregnancy compared to preconception behavior, MI PRAMS, 2012

Smoking Change	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Non-smoker throughout	1,396	74,579	69.0	(66.1-71.9)
Smoker who quit	249	15,592	14.4	(12.3-16.8)
Smoker who reduced	188	12,913	12.0	(10.0-14.2)
Smoker smoking the same or more	121	4,912	4.5	(3.5-5.9)
Non-smoker resumed	*	*	*	*

*Data not shown due to small sample size.



Table 30. Prevalence of smoking during the last three months of pregnancy by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	310	17,848	16.5	(14.3-19.0)
Maternal Age				
<20 Years	26	2,003	21.9	(13.5-33.4)
20-29 Years	207	12,030	20.5	(17.3-24.2)
30+ Years	77	3,815	9.4	(16.4-21.7)
Race/Ethnicity				
White, non-Hispanic	144	13,242	17.7	(14.8-21.0)
Black, non-Hispanic	148	2,875	15.0	(12.5-17.7)
Hispanic	12	1,064	17.8	(9.0-32.0)
Asian/Pacific Islander, non-Hispanic	*	*	*	*
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	*	*	*	*
Education				
<High School	77	3,821	24.3	(17.2-33.0)
HS Grad/GED	124	7,024	26.6	(21.5-32.3)
Some College	97	6,264	17.7	(14.0-22.2)
College Degree+	10	691	2.3	(1.1-4.8)
Pre-Pregnancy Insurance Status				
Uninsured	69	5,495	31.5	(24.3-39.7)
Medicaid/Public	180	7,469	25.0	(20.4-30.1)
Private	43	3,613	6.3	(4.5-8.8)
Other	11	693	32.9	(16.4-55.2)
Marital Status				
Married	52	4,149	6.9	(5.0-9.4)
Other	258	13,699	28.6	(24.6-33.0)
Parity				
1	91	5,866	13.2	(10.2-17.0)
2+	217	11,791	18.6	(15.7-22.1)
Last Year's Household Income				
<\$15,000	185	9,684	33.0	(27.6-38.9)
\$15,001-\$22,000	53	3,077	23.4	(16.8-31.5)
\$22,001-\$37,000	32	2,244	14.8	(9.6-22.1)
\$37,001-\$56,000	12	1,029	8.3	(4.5-15.0)
\$56,001+	15	1,217	3.8	(2.1-6.6)

*Data not shown due to small sample size.



**Table 31. Distribution of delivery methods,
MI PRAMS, 2012**

Experience	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
How was your baby delivered?				
Vaginal	1,277	73,458	67.0	(64.1-69.7)
Not Vaginal	712	36,243	33.0	(30.3-35.9)

**Table 32. Distribution of and reasons for labor induction,
MI PRAMS, 2012**

Experience	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Did a doctor, nurse, or other health care worker try to induce your labor?				
No	1,172	63,273	58.7	(55.6-61.6)
Yes	771	44,581	41.3	(38.4-44.4)
Reasons for labor induction (non-exclusive)				
You were past your due date	194	11,786	26.1	(22.1-30.5)
Your labor stopped or was not progressing	176	10,359	22.9	(19.2-27.2)
Your water broke and there was a fear of infection	118	7,525	16.6	(13.4-20.5)
Your health care provider was worried about the size of the baby	131	7,220	16.0	(12.8-19.7)
You had a complication with your pregnancy such as low amniotic fluid or pre-eclampsia	139	6,696	14.8	(11.8-18.5)
You wanted to schedule your delivery	65	4,915	10.9	(8.1-14.5)
You wanted to give birth with a specific health care provider	39	2,308	5.1	(3.4-7.7)
Your baby was not doing well and needed to be born	60	1,971	4.4	(3.0-6.3)
Other	171	9,559	21.2	(17.6-25.2)



Table 33. Prevalence of low birthweight[^] by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	404	8,315	7.6	(7.4-7.8)
Maternal Age				
<20 Years	40	863	9.3	(6.4-13.3)
20-29 Years	217	4,465	7.5	(6.7-8.4)
30+ Years	147	2,987	7.3	(6.3-8.4)
Race/Ethnicity				
White, non-Hispanic	219	4,752	6.3	(5.8-6.8)
Black, non-Hispanic	139	2,546	13.0	(11.5-14.7)
Hispanic	19	460	7.7	(4.6-12.6)
Asian/Pacific Islander, non-Hispanic	13	254	7.7	(4.2-13.8)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	13	271	6.0	(3.2-10.8)
Education				
<High School	73	1,702	10.6	(8.1-13.7)
HS Grad/GED	118	2,717	10.2	(8.5-12.2)
Some College	116	2,194	6.1	(5.2-7.3)
College Degree+	95	1,654	5.3	(4.4-6.4)
Pre-Pregnancy Insurance Status				
Uninsured	46	1,057	6.0	(4.4-8.1)
Medicaid/Public	170	3,602	11.9	(10.2-13.8)
Private	173	3,293	5.7	(5.0-6.4)
Other	12	282	13.3	(6.7-24.6)
Marital Status				
Married	168	3,303	5.4	(4.8-6.0)
Other	236	5,012	10.4	(9.2-11.6)
Parity				
1	178	3,616	8.1	(7.1-9.2)
2+	222	4,612	7.2	(6.5-8.0)
Last Year's Household Income				
<\$15,000	141	3,185	10.8	(9.1-12.8)
\$15,001-\$22,000	55	1,143	8.7	(6.5-11.6)
\$22,001-\$37,000	38	734	4.8	(3.4-6.7)
\$37,001-\$56,000	46	925	7.4	(5.4-10.0)
\$56,001+	95	1,779	5.5	(4.6-6.6)

[^]Low birthweight infants are defined by the World Health Organization as infants weighing less than 2500 grams at birth.

*Data not shown due to small sample size.



Table 34. Distribution of low birthweight subcategories[^] among low birthweight infants, MI PRAMS, 2012

Low Birthweight Subcategory	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Very low birthweight	88	1,722	20.7	(16.8-25.2)
Moderately low birthweight	316	6,593	79.3	(74.8-83.2)

[^]Very low birthweight = birthweight < 1500g; moderately low birthweight = 1500g <= birthweight <2500g

Table 35. Prevalence of low birthweight[^] by smoking status during last three months of pregnancy, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	399	8,221	7.6	(7.3-7.8)
Smoking status				
Did not smoke in last 3 months of pregnancy	311	6,199	6.9	(6.4-7.3)
Smoked last 3 months of pregnancy	88	2,022	11.3	(9.0-14.1)

[^]Low birthweight infants are defined by the World Health Organization as infants weighing less than 2500 grams at birth.



Table 36. Prevalence of high birthweight[^] by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	140	11,675	10.6	(8.8-12.8)
Maternal Age				
<20 Years	*	*	*	*
20-29 Years	68	5,168	8.7	(6.5-11.5)
30+ Years	67	6,071	14.8	(11.5-18.9)
Race/Ethnicity				
White, non-Hispanic	77	9,340	12.3	(9.9-15.2)
Black, non-Hispanic	51	1,067	5.4	(4.0-7.4)
Hispanic	6	776	13.0	(5.9-26.3)
Asian/Pacific Islander, non-Hispanic	*	*	*	*
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	*	*	*	*
Education				
<High School	9	1,215	7.6	(3.6-15.1)
HS Grad/GED	40	2,754	10.3	(7.0-15.0)
Some College	51	4,028	11.3	(8.3-15.2)
College Degree+	39	3,639	11.7	(8.5-16.0)
Pre-Pregnancy Insurance Status				
Uninsured	21	2,107	11.9	(7.4-18.6)
Medicaid/Public	32	1,932	6.4	(3.9-10.3)
Private	83	7,498	12.9	(10.3-16.0)
Other	*	*	*	(1.4-14.4)
Marital Status				
Married	82	7,671	12.5	(10.0-15.6)
Other	58	4,005	8.3	(5.9-11.5)
Parity				
1	45	4,043	9.0	(6.5-12.4)
2+	94	7,619	11.9	(9.4-14.9)
Last Year's Household Income				
<\$15,000	31	1,659	5.6	(3.3-9.5)
\$15,001-\$22,000	10	826	6.3	(3.0-12.7)
\$22,001-\$37,000	25	2,264	14.7	(9.5-22.2)
\$37,001-\$56,000	21	2,091	16.7	(10.8-25.0)
\$56,001+	39	3,700	11.4	(8.3-15.5)

[^]High birthweight infants are defined by the World Health Organization as infants weighing more than 4000 grams at birth.

*Data not shown due to small sample size.



Table 37. Prevalence of high birthweight[^] by smoking status during the last three months of pregnancy, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	136	11,258	10.4	(8.6-12.5)
Smoking status				
Did not smoke in last 3 months of pregnancy	122	10,189	11.3	(9.2-13.7)
Smoked last 3 months of pregnancy	14	1,070	6.0	(3.2-10.9)

[^]High birthweight infants are defined by the World Health Organization as infants weighing more than 4000 grams at birth.



Table 38. Prevalence of preterm birth[^] by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	343	9,478	8.6	(7.5-9.9)
Maternal Age				
<20 Years	37	785	8.5	(5.8-12.3)
20-29 Years	180	4,999	8.4	(6.9-10.3)
30+ Years	126	3,694	9.0	(7.1-11.4)
Race/Ethnicity				
Total	343	9,478	8.7	(7.6-9.9)
White, non-Hispanic	168	5,086	6.7	(5.5-8.2)
Black, non-Hispanic	136	2,703	13.8	(11.7-16.2)
Hispanic	18	1,068	17.9	(9.4-31.2)
Asian/Pacific Islander, non-Hispanic	8	163	5.0	(2.4-10.2)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	12	426	9.4	(4.2-19.6)
Education				
<High School	59	1,888	11.8	(7.8-17.4)
HS Grad/GED	97	3,020	11.3	(8.7-14.6)
Some College	107	2,667	7.5	(5.7-9.7)
College Degree+	78	1,855	6.0	(4.4-8.0)
Pre-Pregnancy Insurance Status				
Uninsured	41	1,684	9.5	(6.0-14.8)
Medicaid/Public	144	3,886	12.8	(10.2-15.9)
Private	143	3,540	6.1	(4.9-7.5)
Other	12	287	13.6	(6.8-25.3)
Marital Status				
Married	141	4,356	7.1	(5.6-9.0)
Other	202	5,122	10.6	(8.9-12.6)
Parity				
1	146	4,193	9.3	(7.5-11.6)
2+	194	5,204	8.1	(6.7-9.8)
Last Year's Household Income				
<\$15,000	123	3,594	12.2	(9.5-15.6)
\$15,001-\$22,000	51	1,419	10.8	(7.4-15.5)
\$22,001-\$37,000	28	747	4.9	(2.5-9.2)
\$37,001-\$56,000	33	828	6.6	(4.3-10.1)
\$56,001+	79	2,124	6.6	(4.9-8.8)

[^]Preterm birth is defined by the World Health Organization as the birth of an infant before 37 weeks of pregnancy.

*Data not shown due to small sample size.



**Table 39. Distribution of infant birthweights and gestational ages[^],
 MI PRAMS, 2012**

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Infant both low birthweight and preterm	277	5,825	5.3	(4.9-5.7)
Infant low birthweight and term	127	2,490	2.3	(1.9-2.7)
Infant normal birthweight and preterm	66	3,653	3.3	(2.4-4.7)
Infant normal birthweight and term	1,519	97,733	89.1	(87.9-90.2)

[^]Low birthweight infants are defined by the World Health Organization as infants weighing less than 2500 grams at birth; preterm birth is defined by the World Health Organization as the birth of an infant before 37 weeks of pregnancy.



Table 40. Prevalence of breastfeeding initiation by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,486	85,294	80.1	(77.6-82.5)
Maternal Age				
<20 Years	127	5,426	63.2	(51.7-73.4)
20-29 Years	829	46,213	79.9	(76.3-83.0)
30+ Years	530	33,655	84.1	(80.4-87.3)
Race/Ethnicity				
Total	1,482	84,831	80.0	(77.5-82.4)
White, non-Hispanic	647	60,020	81.2	(77.8-84.2)
Black, non-Hispanic	701	13,490	71.2	(67.8-74.4)
Hispanic	50	4,654	81.5	(67.0-90.5)
Asian/Pacific Islander, non-Hispanic	39	3,111	95.4	(77.5-99.2)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	44	3,524	85.4	(70.3-93.5)
Education				
Total	1,480	85,114	80.1	(77.6-82.5)
<High School	151	8,445	57.7	(48.2-66.6)
HS Grad/GED	381	19,070	74.3	(68.8-79.1)
Some College	537	28,893	82.0	(77.7-85.6)
College Degree+	411	28,708	93.6	(90.2-95.9)
Pre-Pregnancy Insurance Status				
Total	1,472	84,694	80.5	(77.9-82.8)
Uninsured	201	13,741	80.8	(73.6-86.3)
Medicaid/Public	496	19,228	67.0	(61.5-72.1)
Private	744	50,213	87.4	(84.2-90.0)
Other	31	1,512	73.4	(52.8-87.2)
Marital Status				
Total	1,486	85,294	80.1	(77.6-82.5)
Married	725	52,513	87.0	(84.0-89.5)
Other	761	32,780	71.1	(66.7-75.1)
Parity				
1	663	37,481	85.6	(81.9-88.7)
2+	812	47,298	76.3	(72.7-79.6)
Last Year's Household Income				
<\$15,000	450	19,362	68.6	(62.8-73.9)
\$15,001-\$22,000	201	9,888	76.5	(68.5-83.0)
\$22,001-\$37,000	202	12,431	82.4	(74.9-88.0)
\$37,001-\$56,000	174	10,540	86.2	(78.4-91.5)
\$56,001+	374	28,681	89.6	(85.6-92.6)

*Data not shown due to small sample size.



**Table 41. Breastfeeding duration categories,
MI PRAMS, 2012**

Breastfeeding duration categories	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Did not Breastfeed	430	21,171	20.0	(17.7-22.6)
Breastfed <1 Week	86	4,744	4.5	(3.3-6.0)
Breastfed >1 Week, but Stopped	730	37,554	35.5	(32.6-38.5)
Currently Breastfeeding	650	42,321	40.0	(37.0-43.0)



Table 42. Median breastfeeding duration among women initiating breastfeeding by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Median (in weeks)	95% Confidence Interval
Total	1,466	84,619	12.4	(12.0-12.7)
Maternal Age				
<20 Years	126	5,519	5.7	(3.0-9.3)
20-29 Years	816	45,629	11.8	(9.6-12.4)
30+ Years	524	33,471	13.7	(12.9-14.4)
Race/Ethnicity				
White, non-Hispanic	642	59,722	12.6	(12.2-13.1)
Black, non-Hispanic	686	13,231	8.7	(8.3-9.9)
Hispanic	50	4,654	9.1	(6.4-13.9)
Asian/Pacific Islander, non-Hispanic	40	3,127	14.4	(12.7-17.2)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	43	3,389	8.9	(5.5-13.6)
Education				
<High School	147	8,369	8.1	(3.7-8.8)
HS Grad/GED	374	18,851	8.4	(5.9-9.3)
Some College	534	28,831	12.4	(11.3-13.0)
College Degree+	405	28,389	14.5	(13.9-15.2)
Pre-Pregnancy Insurance Status				
Uninsured	199	13,716	12.0	(8.5-12.6)
Medicaid/Public	486	19,160	8.1	(5.3-8.6)
Private	737	49,766	13.6	(12.9-14.3)
Other	30	1,378	8.9	(7.3-16.4)
Marital Status				
Married	716	52,078	13.8	(13.0-14.4)
Other	750	32,541	8.3	(7.3-8.8)
Parity				
1	655	37,089	12.4	(11.7-12.8)
2+	800	47,016	12.4	(11.7-12.9)
Last Year's Household Income				
<\$15,000	440	19,156	8.2	(5.5-8.7)
\$15,001-\$22,000	201	9,888	9.0	(8.3-12.4)
\$22,001-\$37,000	199	12,349	12.8	(11.2-14.2)
\$37,001-\$56,000	174	10,514	13.0	(12.3-15.1)
\$56,001+	369	28,359	14.2	(13.5-14.9)

*Data not shown due to small sample size.



Table 43. Reasons for stopping breastfeeding, MI PRAMS, 2012

Reasons (non-exclusive)	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Wasn't producing enough milk	355	19,294	43.9	(39.2-48.6)
Breastmilk did not satisfy baby	260	15,685	35.8	(31.3-40.5)
Baby had difficulty nursing or latching	249	13,753	31.3	(27.0-35.9)
Too hard, painful, time-consuming	227	10,421	23.7	(20.0-27.9)
Nipples were sore, cracked, or bleeding	183	9,292	21.1	(17.4-25.3)
Went back to work or school	189	7,619	17.3	(14.2-21.0)
Too many household duties	106	5,248	12.0	(9.3-15.3)
Felt it was right time to stop	90	4,331	9.8	(7.3-13.1)
Baby was not gaining weight	81	4,281	9.7	(7.3-12.9)
I was sick	77	4,165	9.5	(7.0-12.7)
Baby was jaundiced	54	2,736	6.2	(4.3-8.9)
Other	139	8,117	18.5	(15.0-22.5)

Table 44. Distribution of WIC status during pregnancy, MI PRAMS, 2012

WIC Status	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
No	778	53,757	49.4	(46.4-52.3)
Yes	1,188	55,085	50.6	(47.7-53.6)

Table 45. Primary infant sleep position, MI PRAMS, 2012

Primary Infant Sleep Position	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Back	1,346	83,339	78.8	(76.4-81.1)
Side	253	9,649	9.1	(7.6-10.9)
Stomach	281	12,723	12.0	(10.3-14.0)



Table 46. Prevalence of infant back sleeping[^] by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,346	83,339	78.8	(76.4-81.1)
Maternal Age				
<20 Years	117	6,148	70.3	(60.2-78.8)
20-29 Years	733	44,660	77.8	(74.4-80.9)
30+ Years	496	32,532	82.3	(78.4-85.6)
Race/Ethnicity				
White, non-Hispanic	647	61,455	83.6	(80.4-86.3)
Black, non-Hispanic	574	10,819	58.0	(54.3-61.6)
Hispanic	49	4,746	83.9	(70.4-91.9)
Asian/Pacific Islander, non-Hispanic	34	2,623	80.4	(62.2-91.1)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	38	3,297	80.3	(65.3-89.8)
Education				
<High School	183	11,562	78.6	(71.0-84.6)
HS Grad/GED	345	19,065	75.2	(70.0-79.8)
Some College	475	27,621	78.9	(74.5-82.7)
College Degree+	338	24,955	82.1	(77.5-85.9)
Pre-Pregnancy Insurance Status				
Uninsured	188	13,837	81.5	(74.7-86.8)
Medicaid/Public	489	21,624	76.0	(71.6-79.9)
Private	629	45,764	80.2	(76.8-83.3)
Other	27	1,184	58.0	(35.5-77.7)
Marital Status				
Total	1,346	83,339	78.8	(76.4-81.1)
Married	648	49,740	83.1	(79.9-85.9)
Other	698	33,599	73.3	(69.4-76.9)
Parity				
1	539	33,476	76.7	(72.7-80.3)
2+	794	49,301	80.3	(77.2-83.1)
Last Year's Household Income				
<\$15,000	434	20,415	72.8	(67.6-77.5)
\$15,001-\$22,000	173	9,661	75.2	(67.4-81.6)
\$22,001-\$37,000	186	13,263	88.2	(83.2-91.9)
\$37,001-\$56,000	148	10,047	82.5	(75.2-88.0)
\$56,001+	325	25,877	81.0	(76.3-85.0)

[^]Sleeping on the back meant that respondent reported that they placed the baby to sleep on its back exclusively. Mothers reporting that their baby slept primarily on its stomach, side, or alternating between sleep positions are not included in this count.

*Data not shown due to small sample size.



**Table 47. Prevalence of usual infant sleep practices,
 MI PRAMS, 2012**

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Sleep Practice (non-exclusive)				
Sleeps in crib	1,627	93,524	88.4	(86.3-90.1)
Sleeps on firm mattress	1,426	86,630	83.3	(81.0-85.3)
Sleeps with pillows*	129	5,695	5.5	(4.2-7.0)
Sleeps with bumper pads	365	22,626	21.7	(19.2-24.4)
Sleeps with blankets	382	19,791	19.0	(16.7-21.5)
Sleeps with toys*	59	4,016	3.8	(2.8-5.3)
Sleeps with an infant positioner*	122	7,130	6.9	(5.4-8.7)
Sleeps with mother or another person	494	22,414	21.5	(19.2-24.1)

* These response options have too few respondents to warrant detailed demographic breakdown tables



Table 48. Prevalence of infant usually sleeping in a crib by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,627	93,524	88.4	(86.3-90.1)
Maternal Age				
<20 Years	158	7,731	88.1	(80.4-93.1)
20-29 Years	892	50,199	87.5	(84.6-89.9)
30+ Years	577	35,594	89.7	(86.2-92.4)
Race/Ethnicity				
Total	1,624	93,158	88.4	(86.4-90.2)
White, non-Hispanic	705	66,900	90.9	(88.4-92.9)
Black, non-Hispanic	788	15,367	81.9	(78.9-84.6)
Hispanic	54	5,050	88.9	(73.9-95.8)
Asian/Pacific Islander, non-Hispanic	33	2,484	76.2	(58.1-88.1)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	43	3,323	82.4	(64.4-92.4)
Education				
<High School	228	13,300	89.8	(83.4-93.9)
HS Grad/GED	449	22,416	87.8	(83.4-91.2)
Some College	547	30,100	85.9	(82.0-89.1)
College Degree+	397	27,555	91.2	(87.5-93.9)
Pre-Pregnancy Insurance Status				
Uninsured	205	14,248	84.6	(78.0-89.5)
Medicaid/Public	637	25,638	89.4	(85.6-92.3)
Private	731	50,690	88.9	(86.1-91.2)
Other	38	1,926	94.4	(84.5-98.1)
Marital Status				
Married	744	54,249	90.6	(87.9-92.8)
Other	883	39,275	85.4	(82.1-88.2)
Parity				
1	644	37,711	86.5	(83.2-89.2)
2+	968	55,201	89.7	(87.0-91.9)
Last Year's Household Income				
<\$15,000	539	23,800	84.2	(79.6-88.0)
\$15,001-\$22,000	222	11,443	89.6	(83.6-93.6)
\$22,001-\$37,000	214	13,114	87.5	(80.7-92.2)
\$37,001-\$56,000	181	11,310	91.3	(85.1-95.0)
\$56,001+	368	28,625	90.8	(87.2-93.5)

*Data not shown due to small sample size.



Table 49. Prevalence of infant usually sleeping on a firm mattress by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,426	86,630	83.3	(81.0-85.3)
Maternal Age				
<20 Years	124	6,778	77.6	(69.2-84.3)
20-29 Years	763	45,951	81.4	(78.2-84.2)
30+ Years	539	33,901	87.3	(83.5-90.2)
Race/Ethnicity				
Total	1,423	86,265	83.3	(81.1-85.3)
White, non-Hispanic	669	63,987	88.3	(85.5-90.5)
Black, non-Hispanic	636	12,149	66.7	(63.0-70.1)
Hispanic	49	4,545	83.1	(67.9-91.9)
Asian/Pacific Islander, non-Hispanic	34	2,984	92.4	(80.1-97.3)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	34	2,568	62.5	(45.6-76.9)
Education				
<High School	176	11,398	79.9	(72.6-85.7)
HS Grad/GED	357	19,448	77.3	(72.2-81.6)
Some College	506	28,277	82.3	(78.0-85.9)
College Degree+	382	27,382	91.3	(87.8-93.9)
Pre-Pregnancy Insurance Status				
Uninsured	184	13,755	83.1	(76.6-88.1)
Medicaid/Public	486	20,775	75.1	(70.4-79.3)
Private	713	49,703	87.9	(84.9-90.3)
Other	31	1,755	86.9	(74.4-93.8)
Marital Status				
Married	685	50,808	86.7	(83.6-89.3)
Other	741	35,822	78.8	(75.4-81.9)
Parity				
1	589	36,193	83.9	(80.5-86.7)
2+	826	50,060	83.2	(80.1-85.9)
Last Year's Household Income				
<\$15,000	440	21,090	76.2	(71.3-80.5)
\$15,001-\$22,000	189	9,729	77.9	(70.3-84.0)
\$22,001-\$37,000	192	11,792	82.1	(74.6-87.8)
\$37,001-\$56,000	163	10,648	87.0	(80.3-91.7)
\$56,001+	363	28,661	91.4	(87.7-94.0)

*Data not shown due to small sample size.



Table 50. Prevalence of infant usually sleeping with bumper pads by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	365	22,626	21.7	(19.2-24.4)
Maternal Age				
<20 Years	33	1,396	16.1	(9.3-26.3)
20-29 Years	221	14,281	25.2	(21.6-29.1)
30+ Years	111	6,950	17.9	(14.4-22.1)
Race/Ethnicity				
Total	365	22,626	21.8	(19.3-24.5)
White, non-Hispanic	180	17,494	24.1	(20.8-27.7)
Black, non-Hispanic	153	2,846	15.6	(13.1-18.5)
Hispanic	13	1,209	21.3	(11.8-35.6)
Asian/Pacific Islander, non-Hispanic	6	467	14.8	(6.3-31.0)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	12	577	14.8	(7.3-27.8)
Education				
<High School	41	2,657	18.7	(12.0-28.1)
HS Grad/GED	92	5,842	23.1	(18.1-28.8)
Some College	140	8,121	23.6	(19.4-28.4)
College Degree+	90	5,947	19.8	(15.7-24.7)
Pre-Pregnancy Insurance Status				
Uninsured	54	3,962	24.1	(17.8-31.9)
Medicaid/Public	119	5,737	20.4	(16.0-25.8)
Private	180	11,968	21.2	(18.0-24.9)
Other	9	858	42.5	(22.3-65.5)
Marital Status				
Married	172	12,430	21.2	(18.1-24.8)
Other	193	10,196	22.3	(18.5-26.7)
Parity				
1	173	10,717	24.9	(20.9-29.5)
2+	191	11,880	19.6	(16.6-23.1)
Last Year's Household Income				
<\$15,000	104	5,035	18.2	(13.8-23.5)
\$15,001-\$22,000	55	3,564	28.5	(20.9-37.6)
\$22,001-\$37,000	56	2,986	20.5	(14.6-28.1)
\$37,001-\$56,000	48	3,803	31.0	(23.3-40.0)
\$56,001+	75	5,810	18.5	(14.6-23.3)

*Data not shown due to small sample size.



Table 51. Prevalence of infant usually sleeping with blankets by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	382	19,791	19.0	(16.7-21.5)
Maternal Age				
<20 Years	56	2,376	27.4	(18.7-38.2)
20-29 Years	221	11,140	19.7	(16.6-23.1)
30+ Years	105	6,275	16.1	(12.7-20.2)
Race/Ethnicity				
Total	382	19,791	19.1	(16.8-21.6)
White, non-Hispanic	134	12,091	16.6	(13.9-19.8)
Black, non-Hispanic	208	4,225	23.0	(20.0-26.4)
Hispanic	16	1,533	27.1	(15.3-43.2)
Asian/Pacific Islander, non-Hispanic	11	922	30.2	(16.5-48.5)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	13	1,019	24.8	(13.7-40.6)
Education				
<High School	63	3,228	22.3	(15.5-31.0)
HS Grad/GED	112	5,608	22.3	(17.7-27.8)
Some College	134	6,492	18.8	(15.1-23.2)
College Degree+	71	4,404	14.7	(11.2-19.1)
Pre-Pregnancy Insurance Status				
Uninsured	53	3,502	21.5	(15.5-29.0)
Medicaid/Public	156	6,308	22.3	(17.8-27.5)
Private	156	9,091	16.1	(13.3-19.3)
Other	9	535	26.5	(11.4-50.1)
Marital Status				
Married	140	10,015	17.1	(14.1-20.5)
Other	242	9,776	21.4	(18.0-25.4)
Parity				
1	185	9,293	21.6	(17.9-25.7)
2+	193	10,452	17.3	(14.4-20.5)
Last Year's Household Income				
<\$15,000	144	6,246	22.4	(17.8-27.8)
\$15,001-\$22,000	63	2,866	23.1	(16.7-31.0)
\$22,001-\$37,000	48	2,261	15.6	(10.5-22.5)
\$37,001-\$56,000	35	1,877	15.3	(10.1-22.5)
\$56,001+	67	5,396	17.3	(13.4-22.0)

*Data not shown due to small sample size.



Table 52. Prevalence of infant usually sleeping with mother or another person by maternal characteristics, MI PRAMS, 2012

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	494	22,414	21.5	(19.2-24.1)
Maternal Age				
<20 Years	67	2,484	28.5	(19.5-39.6)
20-29 Years	283	12,479	22.0	(18.9-25.5)
30+ Years	144	7,452	19.2	(15.6-23.5)
Race/Ethnicity				
Total	493	22,317	21.5	(19.2-24.1)
White, non-Hispanic	129	12,367	17.1	(14.2-20.4)
Black, non-Hispanic	322	6,418	35.0	(31.6-38.7)
Hispanic	9	793	14.0	(6.1-29.0)
Asian/Pacific Islander, non-Hispanic	21	1,917	59.1	(41.7-74.5)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	12	821	20.7	(11.0-35.5)
Education				
<High School	68	3,160	22.1	(15.4-30.8)
HS Grad/GED	138	5,447	21.6	(17.2-26.8)
Some College	188	8,330	24.3	(20.2-28.9)
College Degree+	98	5,402	18.0	(14.1-22.6)
Pre-Pregnancy Insurance Status				
Uninsured	74	4,378	27.1	(20.5-34.9)
Medicaid/Public	200	7,082	25.2	(20.7-30.3)
Private	205	10,164	18.0	(15.1-21.3)
Other	10	657	32.2	(14.7-56.7)
Marital Status				
Married	164	9,852	16.9	(14.1-20.1)
Other	330	12,562	27.5	(23.6-31.7)
Parity				
1	243	11,313	26.4	(22.4-30.7)
2+	245	10,976	18.1	(15.3-21.3)
Last Year's Household Income				
<\$15,000	199	7,174	25.9	(21.2-31.1)
\$15,001-\$22,000	73	3,413	27.4	(20.2-36.0)
\$22,001-\$37,000	59	3,161	21.8	(15.6-29.5)
\$37,001-\$56,000	48	2,141	17.8	(12.2-25.4)
\$56,001+	76	4,842	15.4	(11.9-19.7)

*Data not shown due to small sample size.



Table 53. Prevalence of life stressors experienced by mothers, MI PRAMS, 2012

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Life Stressors (non-exclusive)				
I moved to a new address	742	39,025	36.0	(33.2-39.0)
A close family member was very sick and had to go to the hospital	548	30,327	28.0	(25.3-30.7)
I argued with my husband or partner more than usual	596	27,118	25.0	(22.6-27.7)
I had problems paying the rent, mortgage, or other bills	497	24,807	22.9	(20.4-25.6)
My husband, partner, or I had a cut in work hours or pay	360	21,810	20.1	(17.8-22.8)
Someone very close to me died	428	20,367	18.8	(16.6-21.2)
Someone very close to me had a problems with drinking or drugs	282	15,966	14.7	(12.7-17.1)
My husband or partner lost his job	277	14,623	13.5	(11.5-15.7)
I lost my job even though I wanted to go on working	280	13,206	12.2	(10.3-14.3)
My husband or partner said he didn't want me to be pregnant	197	8,543	7.9	(6.4-9.7)
I got divorced or separated from my husband or partner	188	7,352	6.8	(5.5-8.4)
My husband, partner, or I went to jail	145	5,446	5.0	(3.9-6.5)
I was apart from my husband or partner due to military deployment or extended work-related travel	69	4,512	4.2	(3.1-5.6)
I was homeless or had to sleep outside, in a car, or in a shelter	73	2,529	2.3	(1.6-3.3)



Table 54 - Number of life stressors experienced by mothers, MI PRAMS, 2012

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
0	412	25,696	23.6	(21.6-26.3)
1	415	25,055	23.0	(20.6-25.7)
2	361	20,189	18.6	(16.3-21.0)
3	253	12,640	11.6	(9.8-13.7)
4	216	11,594	10.7	(8.9-12.7)
5	119	5,156	4.7	(3.6-6.1)
6	82	3,997	3.7	(2.7-5.0)
7	59	2,723	2.5	(1.7-3.6)
8+	47	1,786	2.1	(1.4-3.3)

Table 55. Prevalence of intimate partner violence by time period, MI PRAMS, 2012

Time Period of Abuse	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
12 months before conception	80	3,321	3.1	(2.2-4.2)
During pregnancy	72	2,980	2.7	(1.9-3.9)
Before and/or during pregnancy	101	4,380	4.0	(3.0-5.3)

Table 56. Perceived neighborhood safety experienced by mothers during pregnancy, MI PRAMS, 2012

Neighborhood Safety	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
During the 12 months before your baby was born did you feel unsafe in the neighborhood where you lived?				
Always	52	2,031	1.9	(1.3-2.8)
Often	53	1,962	1.8	(1.2-2.7)
Sometimes	174	7,412	6.8	(5.5-8.5)
Rarely	348	19,591	18.0	(15.8-20.4)
Never	1,337	77,864	71.5	(68.8-74.1)



**Table 57. Reactions to racism during pregnancy,
 MI PRAMS, 2012**

Reactions	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Types of reaction (non-exclusive)				
I felt that my race or ethnic background contributed to the stress in my life				
Yes	72	2,113	2.0	(1.4-2.8)
I felt emotionally upset (for example, angry, sad, or frustrated) as a result of how I was treated based on my race or ethnic background				
Yes	93	3,774	3.5	(2.5-4.8)
I experienced physical symptoms (for example, a headache, an upset stomach, or a pounding heart) that I felt were related to how I was treated based on my race or ethnic background				
Yes	56	1,889	1.7	(1.2-2.6)



**Table 58. Infant insurance status at time of survey,
MI PRAMS, 2012**

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Insurance status (non-exclusive)				
Covered by private health insurance	691	49,633	46.6	(43.6-49.6)
Covered by Medicaid or other public insurance	1,130	53,260	50.0	(46.9-53.0)
Covered by health insurance from other source	76	3,219	3.0	(2.2-4.2)
Not covered by any health insurance	15	481	0.5	(0.2-0.9)

**Table 59. Mother insurance status at time of survey,
MI PRAMS, 2012**

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Insurance status (non-exclusive)				
Covered by private health insurance	923	61,159	56.8	(53.8-59.8)
Covered by Medicaid or other public insurance	810	32,312	30.0	(27.4-32.8)
Not covered by any health insurance	207	14,113	13.1	(11.1-15.5)



Table 60. Post-partum checkup for mother, MI PRAMS, 2012

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Since your new baby was born, have you had a postpartum check-up for yourself?				
Yes	1,719	97,439	90.6	(88.7-92.3)

Table 61. Post-partum depression symptoms, MI PRAMS, 2012

Experience	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Since new baby was born, number of mothers reporting...				
<i>Feeling down, depressed, or hopeless</i>				
Never	689	35,369	32.6	(29.9-35.5)
Rarely	626	39,355	36.3	(33.4-39.3)
Sometimes	439	24,976	23.0	(20.6-25.7)
Often	150	7,415	6.8	(5.4-8.6)
Always	46	1,348	1.2	(0.8-1.9)
<i>Having little or no pleasure in doing things</i>				
Never	718	40,085	37.1	(34.2-40.1)
Rarely	615	37,900	35.1	(32.2-38.0)
Sometimes	391	19,866	18.4	(16.2-20.8)
Often	151	7,678	7.1	(5.7-8.8)
Always	75	2,593	2.4	(1.7-3.4)
Mothers reporting significant post-partum depression**	332	14,895	13.8	(11.8-16.0)

**This measure is a composite of the previous two questions. If a mother reported either of these statements to be true for her on average often or always, she was coded as demonstrating significant post-partum depression.



Table 62. Prevalence of working at a job for pay during pregnancy, MI PRAMS, 2012

Experience	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,945	107,962	100.0	
Mother did not work at a job for pay during pregnancy	744	38,293	35.5	(32.6-38.4)
Mother worked at a job for pay during pregnancy	1,201	69,670	64.5	(61.6-67.4)

Table 63. Prevalence of post-pregnancy workplace leave among Michigan mothers who worked at a job for pay during pregnancy, MI PRAMS, 2012

Experience	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,153	67,001	100.0	
Took only unpaid leave from work following pregnancy	636	36,406	54.3	(50.5-58.1)
Took only paid leave from work following pregnancy	269	16,108	24.0	(20.9-27.5)
Took a combination of paid and unpaid leave from work following pregnancy	133	7,992	11.9	(9.7-14.5)
Took no leave from work following pregnancy, paid or unpaid	115	6,495	9.7	(7.5-12.4)



Table 64. Prevalence of home visiting program participation, MI PRAMS, 2012

Experience	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Home visitor visit during pregnancy to prepare for baby	458	17,326	15.9	(13.9-18.2)
Home visitor visit after pregnancy to help learn how to take care of self or new baby	555	23,093	21.7	(19.3-24.3)

Table 65. Family history of chronic disease among Michigan mothers, MI PRAMS, 2012

Chronic Disease	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Have any of your close family members related to you by blood (mother, father, sisters or brothers) had any of the following conditions?				
Diabetes	742	38,478	37.1	(34.1-40.1)
Heart attack before 55 years age	284	15,374	15.3	(13.2-17.7)
High blood pressure (hypertension)	1,128	62,511	61.1	(58.0-64.1)
Breast cancer before 50 years of age	199	11,208	10.9	(9.0-13.0)
Ovarian cancer	131	8,556	8.5	(6.9-10.6)



APPENDIX

Comparison of MI PRAMS 2012 Data Tables to MI PRAMS 2010 Data Tables

MI PRAMS 2012 Table	MI PRAMS 2010 Table
Table 1. Distribution of selected maternal characteristics	Table 1. Distribution of selected maternal demographics
Table 2. Distribution of pre-pregnancy maternal body mass index categories	Table 2. Distribution of preconception maternal body mass index categories
Table 3. Prevalence of pre-pregnancy underweight BMI by maternal characteristics	Table 3. Prevalence of preconception underweight BMI by maternal demographics
Table 4. Prevalence of pre-pregnancy normal weight BMI by maternal characteristics	Table 4. Prevalence of preconception normal weight BMI by maternal demographics
Table 5. Prevalence of pre-pregnancy overweight BMI by maternal characteristics	Table 5. Prevalence of preconception overweight BMI by maternal demographics
Table 6. Prevalence of pre-pregnancy obese BMI by maternal characteristics	Table 6. Prevalence of preconception obese BMI by maternal demographics
Table 7. Prevalence of selected maternal health problems during the 3 months before pregnancy	Table 7. Prevalence of selected maternal health problems during the 3 months before pregnancy
Table 8*. Prevalence of pre-pregnancy discussions with health care provider about improving mother's health by maternal characteristics <i>*Direct comparison not possible between survey phases</i>	Table 8*. Prevalence of preconception health counseling from a health care worker by maternal demographics <i>*Direct comparison not possible between survey phases</i>
Table 9. Prevalence of topics discussed by health care provider among women reporting any pre-pregnancy counseling	Table 9. Prevalence of topics discussed by health care provider among women reporting preconception counseling
Table 10. Prevalence of behaviors during the 12 months before pregnancy	Table 10. Prevalence of preconception behaviors during 12 months before pregnancy
Table 11. Distribution of pregnancy intention categories	Table 12a. Distribution of pregnancy intention categories and unintended subtypes
Table 12*. Distribution of unintended pregnancy subtypes among women reporting either unsure or unintended pregnancy <i>*Direct comparison not possible between survey phases</i>	Table 12b*. Distribution of unintended pregnancy subtypes among women reporting unintended pregnancy <i>*Direct comparison not possible between survey phases</i>
Table 13. Prevalence of unintended pregnancy by maternal characteristics	Table 11. Prevalence of unintended pregnancy by maternal demographics
Table 14. Characteristics of women trying to conceive during the pre-pregnancy periods	Table 14. Prevalence of trying to conceive during preconception period by maternal demographics
Table 15. Prevalence of women who became pregnant despite using contraceptive practices	Table 15. Prevalence of avoiding pregnancy during preconception period by maternal demographics
Table 16. Prevalence of women who were not trying to conceive but were not doing anything to prevent pregnancy by maternal characteristics	Table 16. Prevalence of neither avoiding pregnancy nor trying to conceive during preconception period by maternal demographics



MI PRAMS 2012 Table	MI PRAMS 2010 Table
Table 17. Reasons women who were not trying to conceive but were not doing anything to prevent pregnancy did not use contraception	Table 18. Reasons given for not using pregnancy prevention method by those neither avoiding or trying to conceive during the preconception period
Table 18. Prevalence of using any postpartum pregnancy prevention method by maternal characteristics	Table 19. Prevalence of using any postpartum pregnancy prevention method by maternal demographics
Table 19. Prevalence of postpartum contraceptive methods	Table 21. Prevalence of postpartum pregnancy prevention methods
Table 20. Reasons for not using postpartum contraceptive methods	Table 20. Reasons for not using postpartum pregnancy prevention method
Table 21. Trimester of entry into prenatal care	Table 24. Trimester of entry into prenatal care
Table 22. Prevalence of getting prenatal care as early as wanted	Table 25. Prevalence of getting prenatal care as early as wanted
Table 23. Source of prenatal care payment	Table 28. Source of prenatal care payment
Table 24. Prevalence of first trimester entry into prenatal care by maternal characteristics, MI PRAMS	Table 23. Prevalence of first trimester entry into prenatal care by maternal demographics
Table 25. Prevalence of topics discussed by health care provider during prenatal care visits	Table 29. Prevalence of prenatal counseling topics covered by health care provider
Table 26. Prevalence of HIV testing and prenatal care discussions about HIV testing	Table 30. Prevalence of HIV testing and counseling about HIV testing
Table 27**. Prevalence of oral health related opinions and practices during pregnancy **New topic on Survey Phase 7	**New topic on Survey Phase 7
Table 28. Drinking behavior during last three months of pregnancy compared to preconception behavior	Table 34. Drinking behavior during last three months of pregnancy compared to preconception behavior
Table 29. Smoking behavior during the last three months of pregnancy compared to preconception behavior	Table 32. Smoking behavior during last three months of pregnancy compared to preconception behavior
Table 30. Prevalence of smoking during the last three months of pregnancy by maternal characteristics	Table 31. Prevalence of smoking during last three months of pregnancy by maternal demographics
Table 31 [^] . Distribution of delivery methods [^] Topic available but not reported in Phase 6 tables	[^] Topic available but not reported in Phase 6 tables
Table 32 [^] . Distribution of and reasons for labor induction [^] Topic available but not reported in Phase 6 tables	[^] Topic available but not reported in Phase 6 tables
Table 33. Prevalence of low birthweight by maternal characteristics	Table 35. Prevalence of low birthweight by maternal demographics
Table 34. Distribution of low birthweight subcategories among low birthweight infants	Table 36. Distribution of low birthweight subcategories among infants with LBW
Table 35. Prevalence of low birthweight by smoking status during last three months of pregnancy	Table 37. Prevalence of low birthweight by smoking status during last three months of pregnancy



MI PRAMS 2012 Table	MI PRAMS 2010 Table
Table 36 [^] . Prevalence of high birthweight by maternal characteristics <i>^ Topic available but not reported in Phase 6 tables</i>	<i>^ Topic available but not reported in Phase 6 tables</i>
Table 37 [^] . Prevalence of high birthweight by smoking status during the last three months of pregnancy <i>^ Topic available but not reported in Phase 6 tables</i>	<i>^ Topic available but not reported in Phase 6 tables</i>
Table 38. Prevalence of preterm birth by maternal characteristics	Table 38. Prevalence of preterm birth by maternal demographics
Table 39. Distribution of infant birthweights and gestational ages	Table 39. Prevalence of infant born at both low birthweight and preterm
Table 40. Prevalence of breastfeeding initiation by maternal characteristics	Table 40. Prevalence of breastfeeding initiation by maternal demographics
Table 41. Breastfeeding duration categories	Table 41. Breastfeeding duration categories
Table 42. Median breastfeeding duration among women initiating breastfeeding by demographic characteristics	Table 42. Median breastfeeding duration among women initiating breastfeeding by demographic characteristics
Table 43 [^] . Reasons for stopping breastfeeding <i>^ Topic available but not reported in Phase 6 tables</i>	<i>^ Topic available but not reported in Phase 6 tables</i>
Table 44. Distribution of WIC status during pregnancy	Table 44. Distribution of WIC status during pregnancy
Table 45 [^] . Primary infant sleep position <i>^ Topic available but not reported in Phase 6 tables</i>	<i>^ Topic available but not reported in Phase 6 tables</i>
Table 46. Prevalence of infant back sleeping position by maternal characteristics	Table 45. Prevalence of infant back sleeping position by maternal demographics
Table 47. Prevalence of usual infant sleep practices	Table 46. Prevalence of usual infant sleep practices
Table 48. Prevalence of infant usually sleeping on a crib by maternal characteristics	Table 48. Prevalence of infant usually sleeping on a crib by maternal demographics
Table 49. Prevalence of infant usually sleeping on a firm mattress by maternal characteristics	Table 47. Prevalence of usual infant usually sleeping on a firm mattress by maternal demographics
Table 50. Prevalence of infant sleeping with bumper pads by maternal characteristics	Table 50. Prevalence of infant sleeping with bumper pads by maternal demographics
Table 51. Prevalence of infant usually sleeping with blankets by maternal characteristics	Table 51. Prevalence of infant usually sleeping with blankets by maternal demographics
Table 52*. Prevalence of infant usually sleeping with mother or another person by maternal characteristics <i>*Direct comparison not possible between survey phases</i>	Table 52*. Prevalence of infant usually sleeping with another person by maternal characteristics <i>*Direct comparison not possible between survey phases</i>
Table 53 [^] . Prevalence of life stressors experienced by mothers <i>^ Topic available but not reported in Phase 6 tables</i>	<i>^ Topic available but not reported in Phase 6 tables</i>



MI PRAMS 2012 Table	MI PRAMS 2010 Table
Table 54 [^] . Number of life stressors experienced by mothers <i>^ Topic available but not reported in Phase 6 tables</i>	<i>^ Topic available but not reported in Phase 6 tables</i>
Table 55. Prevalence of intimate partner violence by time period	Table 22. Prevalence of intimate partner violence by time period
Table 56 [^] . Perceived neighborhood safety experienced by mothers during pregnancy <i>^ Topic available but not reported in Phase 6 tables</i>	<i>^ Topic available but not reported in Phase 6 tables</i>
Table 57 ^{**} . Reactions to racism during pregnancy <i>** New topic on survey Phase 7</i>	<i>** New topic on survey Phase 7</i>
Table 58 [^] . Infant insurance status at time of survey <i>*Direct comparison not possible between survey phases</i> <i>^ Topic available but not reported in Phase 6 tables</i>	<i>*Direct comparison not possible between survey phases</i> <i>^ Topic available but not reported in Phase 6 tables</i>
Table 59 ^{**} . Mother insurance status at time of survey <i>** New topic on survey Phase 7</i>	<i>** New topic on survey Phase 7</i>
Table 60. Post-partum checkup for mother <i>** New topic on survey Phase 7</i>	<i>** New topic on survey Phase 7</i>
Table 61 [^] . Post-partum depression symptoms <i>*Direct comparison not possible between survey phases</i> <i>^ Topic available but not reported in Phase 6 tables</i>	<i>*Direct comparison not possible between survey phases</i> <i>^ Topic available but not reported in Phase 6 tables</i>
Table 62 ^{**} . Prevalence of working at a job for pay during pregnancy <i>** New topic on survey Phase 7</i>	<i>** New topic on survey Phase 7</i>
Table 63 ^{**} . Prevalence of post-pregnancy workplace leave among Michigan mothers who worked at a job for pay during pregnancy <i>** New topic on survey Phase 7</i>	<i>** New topic on survey Phase 7</i>
Table 64 ^{**} . Prevalence of home visiting program participation <i>** New topic on survey Phase 7</i>	<i>** New topic on survey Phase 7</i>
Table 65 ^{**} . Family history of chronic disease among Michigan mothers <i>** New topic on survey Phase 7</i>	<i>**New topic on survey Phase 7</i>

*2010 Tables available at
http://www.michigan.gov/documents/mdch/MI_PRAMS_2010_Preliminary_Tables_Final_435536_7.pdf