

Michigan PRAMS Indicator Tables 2015 Birth Year

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Introduction to the 2015 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 2015 birth year was conducted by the Michigan State University Office for Survey Research, MDHHS, and the Bloustein Center for Survey Research at Rutgers University.

MI PRAMS surveys approximately 1-2 percent 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 2015, the sample was selected from within the following strata:

Stratum 1: Black mothers, Calhoun County

Stratum 2: Low birthweight infants, entire state

Stratum 3: Black mothers, normal birthweight infants, southeast Michigan [St. Clair, Macomb, Oakland, Livingston, Washtenaw, Wayne, and Monroe Counties]

Stratum 4: All other mothers, normal birthweight infants, southeast Michigan

Stratum 5: Black mothers, normal birthweight infants, all non-southeast counties

Stratum 6: All other mothers, normal birthweight infants, all non-southeast counties

In 2015, 3,207 women were selected for PRAMS and 1,593 completed the survey, for an unweighted response rate of 49.7 percent. Adjusting for differing probabilities of selection within each stratum, the weighted response rate is 55 percent. Survey results from these 1,593 respondents are weighted to represent the approximately 109,788 pregnancies resulting in live births in 2015.

The 2015 birth year is the fourth and final 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](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, 2015**

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Maternal Age				
Total	1,593	109,788	100.0	
<18 Years	23	1,190	1.1	(0.6-1.9)
18-19 Years	71	2,872	2.6	(1.8-3.7)
20-24 Years	403	23,260	21.2	(18.7-23.9)
25-29 Years	488	36,541	33.3	(30.4-36.3)
30-34 Years	397	30,999	28.2	(25.5-31.2)
35-39 Years	180	12,746	11.6	(9.8-13.7)
40+ Years	31	2,182	2.0	(1.3-3.0)
Race/Ethnicity				
Total	1,588	109,324	100.0	
White, non-Hispanic	715	76,326	69.8	(67.6-72.0)
Black, non-Hispanic	744	20,084	18.4	(17.9-18.9)
Hispanic	53	5,137	4.7	(3.5-6.4)
Asian/Pacific Islander, non-Hispanic	35	2,971	2.7	(1.8-4.0)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	37	4,347	4.0	(2.8-5.6)
Education				
Total	1,581	108,985	100.0	
<High School	179	9,706	8.9	(7.3-10.9)
HS Grad/GED	437	28,637	26.3	(23.5-29.2)
Some College	531	33,903	31.1	(28.3-34.1)
College Degree+	434	36,739	33.7	(30.8-36.7)
Pre-Pregnancy Insurance Status				
Total	1,587	109,485	100.0	
Uninsured	138	11,056	10.1	(8.3-12.3)
Medicaid/Public	683	35,471	32.4	(29.6-35.3)
Private	728	60,139	54.9	(51.8-58.0)
Other	38	2,820	2.6	(1.7-3.9)
Marital Status				
Total	1,592	109,785	100.0	
Married	754	64,547	58.8	(55.8-61.8)
Other	838	45,238	41.2	(38.2-44.2)
Parity				
Total	1,575	108,768	100.0	
1	642	43,613	40.1	(37.0-43.2)
2+	933	65,154	59.9	(56.8-63.0)
Last Year's Household Income				
Total	1,411	98,953	100.0	
<\$15,000	428	21,345	21.6	(19.1-24.3)
\$15,001-\$22,000	229	15,252	15.4	(13.1-18.1)
\$22,001-\$37,000	166	11,475	11.6	(9.6-13.9)
\$37,001-\$56,000	153	12,057	12.2	(10.2-14.5)
\$56,001+	435	38,824	39.2	(36.1-42.5)

*Data not shown due to small sample size.

**Table 2. Distribution of pre-pregnancy maternal body mass index categories,
MI PRAMS, 2015**

Body Mass Index (BMI)	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
BMI Category[†]				
Underweight	61	3,428	3.1	(2.3-4.3)
Normal Weight	746	54,745	49.9	(46.7-53.0)
Overweight	357	24,469	22.3	(19.8-25.0)
Obese	429	27,147	24.7	(22.1-27.5)

†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.

Reference: Institute of Medicine (US) and National Research Council (US) Committee to Reexamine IOM Pregnancy Weight Guidelines; Rasmussen KM, Yaktine AL, editors. *Weight Gain During Pregnancy: Reexamining the Guidelines*. Washington (DC): National Academies Press (US); 2009.

Table 3. Prevalence of pre-pregnancy underweight BMI by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	61	3,428	3.1	(2.3-4.3)
Maternal Age				
<20 Years	7	203	5.0	(2.2-11.1)
20-29 Years	40	2,055	3.4	(2.3-5.2)
30+ Years	14	1,170	2.5	(1.4-4.6)
Race/Ethnicity				
White, non-Hispanic	28	2,522	3.3	(2.2-5.0)
Black, non-Hispanic	29	783	3.9	(2.6-5.8)
Hispanic	*	*	*	*
Asian/Pacific Islander, non-Hispanic	*	*	*	*
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	*	*	*	*
Education				
<High School	11	419	4.3	(2.0-9.2)
HS Grad/GED	17	1,135	4.0	(2.1-7.5)
Some College	17	864	2.5	(1.4-4.5)
College Degree+	16	1,010	2.7	(1.5-4.9)
Pre-Pregnancy Insurance Status				
Uninsured	6	491	4.4	(1.8-10.7)
Medicaid/Public	24	815	2.3	(1.4-3.8)
Private	30	2,820	3.5	(2.2-5.4)
Other	*	*	*	*
Marital Status				
Married	25	1,800	2.8	(1.7-4.4)
Other	36	1,628	3.6	(2.3-5.6)
Parity				
1	29	1,509	3.5	(2.2-5.5)
2+	31	1,878	2.9	(1.8-4.6)
Last Year's Household Income				
<\$15,000	17	615	2.9	(1.6-5.2)
\$15,001-\$22,000	11	535	3.5	(1.4-8.3)
\$22,001-\$37,000	*	*	*	*
\$37,001-\$56,000	*	*	*	*
\$56,001+	18	1,415	3.6	(2.1-6.1)

*Data not shown due to small sample size.

Table 4. Prevalence of pre-pregnancy normal weight BMI by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	746	54,745	49.9	(46.7-53.0)
Maternal Age				
<20 Years	55	2,125	52.3	(37.4-66.8)
20-29 Years	412	28,520	47.7	(43.4-52.0)
30+ Years	279	24,099	52.5	(47.6-57.3)
Race/Ethnicity				
White, non-Hispanic	389	40,744	53.4	(49.3-57.4)
Black, non-Hispanic	289	7,458	37.1	(33.4-41.1)
Hispanic	26	2,726	53.1	(37.5-68.0)
Asian/Pacific Islander, non-Hispanic	25	2,067	69.6	(49.8-84.0)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	14	1,408	32.4	(18.7-50.0)
Education				
<High School	85	4,176	43.0	(33.0-53.6)
HS Grad/GED	187	12,403	43.3	(37.1-49.8)
Some College	219	14,785	43.6	(38.2-49.2)
College Degree+	249	22,812	62.1	(56.8-67.1)
Pre-Pregnancy Insurance Status				
Uninsured	60	4,898	44.3	(34.3-54.7)
Medicaid/Public	290	15,422	43.5	(38.2-48.9)
Private	377	33,340	55.4	(51.1-59.7)
Other	16	973	34.5	(18.7-54.7)
Marital Status				
Married	384	35,319	54.7	(50.6-58.8)
Other	362	19,425	42.9	(38.8-47.8)
Parity				
1	323	22,288	53.4	(48.4-58.3)
2+	409	30,589	46.9	(42.9-51.0)
Last Year's Household Income				
<\$15,000	190	9,088	42.6	(36.0-49.4)
\$15,001-\$22,000	96	7,341	48.1	(39.4-57.0)
\$22,001-\$37,000	55	3,910	34.1	(25.4-44.0)
\$37,001-\$56,000	65	5,965	49.5	(40.1-58.9)
\$56,001+	247	22,873	58.9	(53.6-64.0)

*Data not shown due to small sample size.

Table 5. Prevalence of pre-pregnancy overweight BMI by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	357	24,469	22.3	(19.8-25.0)
Maternal Age				
<20 Years	23	1,198	29.5	(17.4-45.4)
20-29 Years	198	14,662	24.5	(20.9-28.5)
30+ Years	136	8,609	18.7	(15.4-22.6)
Race/Ethnicity				
White, non-Hispanic	147	16,505	21.6	(18.4-25.2)
Black, non-Hispanic	180	5,196	25.9	(22.5-29.6)
Hispanic	12	984	19.1	(9.8-34.0)
Asian/Pacific Islander, non-Hispanic	9	803	27.0	(13.5-46.8)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	7	740	17.0	(7.6-33.8)
Education				
<High School	35	2,535	26.1	(17.7-36.8)
HS Grad/GED	103	7,652	26.7	(21.4-32.8)
Some College	132	7,898	23.2	(18.9-28.3)
College Degree+	83	6,231	17.0	(13.4-21.3)
Pre-Pregnancy Insurance Status				
Uninsured	35	2,978	26.9	(18.5-37.5)
Medicaid/Public	157	8,483	23.9	(19.7-28.7)
Private	154	11,823	19.7	(16.5-23.3)
Other	10	1,162	41.2	(22.8-62.5)
Marital Status				
Married	167	13,561	21.0	(17.8-24.6)
Other	189	10,905	24.1	(20.1-28.6)
Parity				
1	139	9,077	20.8	(17.0-25.2)
2+	215	15,279	23.5	(20.1-27.1)
Last Year's Household Income				
<\$15,000	82	4,043	18.9	(14.2-24.8)
\$15,001-\$22,000	52	3,385	22.2	(15.6-30.5)
\$22,001-\$37,000	52	3,791	33.0	(24.5-42.8)
\$37,001-\$56,000	38	2,376	19.7	(13.4-28.0)
\$56,001+	90	7,834	20.2	(16.2-24.8)

*Data not shown due to small sample size.

**Table 6. Prevalence of pre-pregnancy obese BMI by maternal characteristics,
MI PRAMS, 2015**

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	429	27,147	24.7	(22.1-27.5)
Maternal Age				
<20 Years	9	536	13.2	(5.6-28.1)
20-29 Years	241	14,564	24.4	(20.9-28.2)
30+ Years	179	12,047	26.2	(22.2-30.7)
Race/Ethnicity				
White, non-Hispanic	151	16,555	21.7	(18.5-25.2)
Black, non-Hispanic	246	6,648	33.1	(29.4-37.0)
Hispanic	15	1,428	27.8	(15.7-44.3)
Asian/Pacific Islander, non-Hispanic	*	*	*	*
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	14	2,137	49.2	(32.1-66.4)
Education				
<High School	48	2,577	26.5	(18.1-37.1)
HS Grad/GED	130	7,447	26.0	(20.9-31.9)
Some College	163	10,356	30.5	(25.7-35.9)
College Degree+	86	6,686	18.2	(14.4-22.7)
Pre-Pregnancy Insurance Status				
Uninsured	37	2,689	24.2	(16.7-34.0)
Medicaid/Public	212	10,751	30.3	(25.6-35.4)
Private	167	12,894	21.4	(18.1-25.2)
Other	11	644	22.8	(10.4-43.1)
Marital Status				
Married	178	13,867	21.5	(18.3-25.0)
Other	251	13,280	29.4	(25.1-34.0)
Parity				
1	151	9,739	22.3	(18.4-26.8)
2+	278	17,408	26.7	(23.3-30.5)
Last Year's Household Income				
<\$15,000	139	7,600	35.6	(29.2-42.5)
\$15,001-\$22,000	70	3,991	26.2	(19.4-34.3)
\$22,001-\$37,000	56	3,517	30.6	(22.5-40.2)
\$37,001-\$56,000	45	3,513	29.1	(21.3-38.5)
\$56,001+	80	6,702	17.3	(13.6-21.7)

*Data not shown due to small sample size.

**Table 7. Prevalence of maternal health problems during the 3 months before pregnancy,
MI PRAMS, 2015**

Maternal Health Problem	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Types (non-exclusive)				
Anxiety	258	20,799	19.0	(16.5-21.8)
Anemia	323	15,931	14.6	(12.6-16.8)
Asthma	246	15,572	14.2	(12.2-16.6)
Depression	202	13,722	12.6	(10.6-14.9)
Thyroid Problems	78	6,049	5.6	(4.3-7.2)
Hypertension	122	5,566	5.1	(4.0-6.5)
Diabetes	51	2,828	2.6	(1.8-3.8)
Heart Problems	36	2,496	2.3	(1.5-3.5)
Epilepsy	11	507	0.5	(0.2-1.0)

Table 8. Prevalence of pre-pregnancy discussions with health care provider about improving mother's health by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	381	24,331	22.3	(19.9-25.0)
Maternal Age				
<20 Years	23	989	24.7	(14.0-39.7)
20-29 Years	209	12,418	20.9	(17.7-24.5)
30+ Years	149	10,924	24.0	(20.1-28.4)
Race/Ethnicity				
White, non-Hispanic	166	15,858	20.9	(17.8-24.3)
Black, non-Hispanic	176	4,820	24.3	(21.0-27.9)
Hispanic	12	1,104	21.6	(11.4-37.0)
Asian/Pacific Islander, non-Hispanic	10	689	24.6	(11.9-44.0)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	15	1,621	37.3	(22.2-55.3)
Education				
<High School	50	2,165	23.1	(15.9-32.3)
HS Grad/GED	100	6,527	22.9	(17.9-28.6)
Some College	101	5,511	16.3	(12.8-20.6)
College Degree+	127	10,028	27.5	(23.0-32.5)
Pre-Pregnancy Insurance Status				
Uninsured	10	446	4.0	(1.8-8.9)
Medicaid/Public	168	8,759	25.0	(20.7-29.9)
Private	192	14,545	24.3	(20.9-28.1)
Other	10	552	19.6	(8.4-39.2)
Marital Status				
Married	204	16,370	25.5	(22.1-29.3)
Other	177	7,961	17.8	(14.6-21.5)
Parity				
1	169	10,802	24.9	(21.0-29.4)
2+	207	13,324	20.5	(17.5-24.0)
Last Year's Household Income				
<\$15,000	99	4,035	19.1	(14.7-24.4)
\$15,001-\$22,000	38	2,431	16.0	(10.5-23.6)
\$22,001-\$37,000	38	2,564	22.4	(15.2-31.7)
\$37,001-\$56,000	26	1,814	15.2	(9.8-23.0)
\$56,001+	130	10,441	27.0	(22.6-31.9)

*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, 2015

Topics Covered	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Type of Counseling (non-exclusive)				
Folic acid vitamins	282	19,483	81.3	(76.2-85.5)
Healthy weight	284	18,554	76.7	(70.9-81.6)
Alcohol	276	16,418	68.1	(61.8-73.9)
Smoking	271	15,978	66.6	(60.2-72.5)
Illegal Drugs	263	15,540	64.1	(57.6-70.0)
Prescription Drugs	248	15,315	63.2	(56.8-69.2)
Vaccines updated	245	14,935	61.7	(55.2-67.8)
Visiting dentist or dental hygienist	211	13,548	56.4	(49.9-62.7)
Controlling diabetes/high blood pressure conditions	157	8,202	33.8	(28.1-40.1)
Depression/anxiety	135	7,980	32.7	(27.0-39.1)
Genetic counseling	132	7,845	32.7	(26.9-39.1)

Table 10. Prevalence of health behaviors during the 12 months before pregnancy, MI PRAMS, 2015

Preconception behavior	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Type of behavior (non-exclusive)				
Teeth cleaned	984	69,139	63.4	(60.3-66.4)
Exercised 3+ days/week	653	48,499	44.5	(41.4-47.7)
Talked about medical family history	627	41,382	38.2	(35.2-41.3)
Dieted to lose weight	425	32,322	29.7	(26.9-32.7)
Checked/treated for hypertension	530	31,661	29.1	(26.3-31.9)
Took Rx medicine	372	28,029	25.8	(23.0-28.7)
Checked/treated for depression/anxiety	381	25,140	23.2	(20.6-26.0)
Checked/treated for diabetes	396	23,142	21.4	(18.9-24.0)

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, 2015**

Intention	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Intended	718	56,721	52.3	(49.1-55.4)
Unintended	564	33,694	31.0	(28.2-34.0)
Unsure	288	18,123	16.7	(14.5-19.2)

**Table 12. Distribution of unintended pregnancy subtypes among women reporting either unsure or
unintended pregnancy, MI PRAMS, 2015**

Unintended Pregnancy Subtype	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Mistimed	389	24,012	46.3	(41.8-50.9)
Unwanted	175	9,682	18.7	(15.4-22.5)
Unsure	288	18,123	35.0	(30.7-39.5)

Table 13. Prevalence of unintended pregnancy by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	564	33,694	31.0	(28.2-34.0)
Maternal Age				
<20 Years	51	2,104	52.4	(37.4-67.0)
20-29 Years	365	21,874	36.9	(32.9-41.2)
30+ Years	148	9,716	21.4	(17.7-25.7)
Race/Ethnicity				
White, non-Hispanic	174	20,273	26.8	(23.2-30.6)
Black, non-Hispanic	349	9,242	46.8	(42.8-50.8)
Hispanic	21	1,939	38.1	(24.3-54.2)
Asian/Pacific Islander, non-Hispanic	*	*	*	*
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	11	1,220	29.0	(15.2-48.1)
Education				
<High School	80	4,470	46.7	(36.2-57.4)
HS Grad/GED	194	11,272	40.1	(34.0-46.6)
Some College	216	11,482	34.0	(29.1-39.3)
College Degree+	70	5,971	16.4	(12.7-20.9)
Pre-Pregnancy Insurance Status				
Uninsured	64	5,111	47.6	(37.3-58.1)
Medicaid/Public	320	15,315	43.8	(38.5-49.2)
Private	168	12,821	21.5	(18.1-25.3)
Other	10	375	13.3	(6.1-26.6)
Marital Status				
Married	144	11,935	18.6	(15.6-22.1)
Other	419	21,755	48.9	(44.0-53.8)
Parity				
1	215	12,173	28.2	(24.0-32.8)
2+	345	21,321	33.0	(29.3-37.0)
Last Year's Household Income				
<\$15,000	205	10,083	47.8	(41.0-54.7)
\$15,001-\$22,000	109	6,163	41.4	(33.0-50.3)
\$22,001-\$37,000	61	4,256	37.3	(28.4-47.2)
\$37,001-\$56,000	54	3,655	31.1	(23.0-40.5)
\$56,001+	60	5,251	13.5	(10.3-17.6)

*Data not shown due to small sample size.

**Table 14. Characteristics of women trying to conceive during the pre-pregnancy period,
MI PRAMS, 2015**

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	685	54,877	50.9	(47.8-54.0)
Maternal Age				
<20 Years	18	1,044	26.1	(14.6-42.3)
20-29 Years	328	25,921	44.2	(39.9-48.5)
30+ Years	339	27,912	61.8	(57.0-66.5)
Race/Ethnicity				
White, non-Hispanic	422	42,411	56.5	(52.3-60.5)
Black, non-Hispanic	191	5,206	26.1	(22.8-29.8)
Hispanic	20	2,348	47.2	(31.9-63.0)
Asian/Pacific Islander, non-Hispanic	26	1,988	70.2	(48.5-85.5)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	21	2,422	59.8	(41.0-76.1)
Education				
<High School	49	3,046	32.6	(23.3-43.4)
HS Grad/GED	124	9,677	34.6	(28.7-41.1)
Some College	192	14,637	44.2	(38.7-49.8)
College Degree+	313	27,136	74.2	(69.1-78.6)
Pre-Pregnancy Insurance Status				
Uninsured	37	3,153	30.7	(21.8-41.4)
Medicaid/Public	171	10,492	30.2	(25.4-35.4)
Private	460	39,759	66.6	(62.4-70.6)
Other	16	1,334	47.3	(28.3-67.1)
Marital Status				
Married	508	44,599	70.6	(66.6-74.2)
Other	177	10,279	23.0	(19.2-27.4)
Parity				
1	301	23,215	54.2	(49.1-59.1)
2+	376	31,246	48.8	(44.7-52.9)
Last Year's Household Income				
<\$15,000	103	5,225	25.3	(20.0-31.6)
\$15,001-\$22,000	57	4,425	30.0	(22.5-38.8)
\$22,001-\$37,000	66	4,947	43.7	(34.3-53.7)
\$37,001-\$56,000	76	6,290	54.1	(44.5-63.5)
\$56,001+	330	30,020	77.5	(72.7-81.7)

*Data not shown due to small sample size.

Table 15. Prevalence of women who became pregnant despite using contraceptive practices, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	389	23,538	21.8	(19.3-24.6)
Maternal Age				
<20 Years	32	1,020	25.5	(15.4-39.3)
20-29 Years	236	13,686	23.3	(19.9-27.1)
30+ Years	121	8,832	19.6	(15.9-23.8)
Race/Ethnicity				
White, non-Hispanic	127	14,778	19.7	(16.5-23.3)
Black, non-Hispanic	238	6,610	33.2	(29.5-37.1)
Hispanic	16	1,358	27.3	(15.4-43.6)
Asian/Pacific Islander, non-Hispanic	*	*	*	*
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	*	*	*	*
Education				
<High School	46	1,887	20.2	(13.3-29.3)
HS Grad/GED	139	8,310	29.7	(24.2-36.0)
Some College	143	8,435	25.5	(20.9-30.6)
College Degree+	57	4,643	12.7	(9.4-16.9)
Pre-Pregnancy Insurance Status				
Uninsured	37	3,220	31.4	(22.1-42.4)
Medicaid/Public	214	10,510	30.2	(25.6-35.3)
Private	127	9,394	15.7	(12.8-19.2)
Other	9	343	12.2	(5.3-25.5)
Marital Status				
Married	107	8,449	13.4	(10.8-16.5)
Other	282	15,088	33.8	(29.3-38.6)
Parity				
1	144	7,584	17.7	(14.3-21.7)
2+	242	15,756	24.6	(21.2-28.4)
Last Year's Household Income				
<\$15,000	130	6,784	32.9	(26.6-39.8)
\$15,001-\$22,000	64	3,931	26.7	(19.4-35.4)
\$22,001-\$37,000	51	3,299	29.2	(21.1-38.8)
\$37,001-\$56,000	35	2,248	19.3	(13.0-27.8)
\$56,001+	50	4,147	10.7	(7.8-14.5)

*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, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	496	29,382	27.3	(24.5-30.2)
Maternal Age				
<20 Years	41	1,933	48.4	(33.6-63.4)
20-29 Years	315	19,055	32.5	(28.5-36.7)
30+ Years	140	8,394	18.6	(15.1-22.7)
Race/Ethnicity				
White, non-Hispanic	154	17,908	23.8	(20.4-27.7)
Black, non-Hispanic	309	8,103	40.7	(36.8-44.7)
Hispanic	15	1,271	25.5	(14.6-40.8)
Asian/Pacific Islander, non-Hispanic	*	*	*	*
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	12	1,558	38.5	(22.4-57.5)
Education				
<High School	80	4,424	47.3	(36.7-58.1)
HS Grad/GED	166	9,957	35.6	(29.7-42.0)
Some College	187	10,038	30.3	(25.4-35.7)
College Degree+	62	4,803	13.1	(9.9-17.1)
Pre-Pregnancy Insurance Status				
Uninsured	57	3,883	37.9	(28.2-48.6)
Medicaid/Public	289	13,760	39.6	(34.4-45.0)
Private	136	10,555	17.7	(14.6-21.3)
Other	13	1,142	40.5	(22.2-61.9)
Marital Status				
Married	127	10,141	16.0	(13.2-19.4)
Other	368	19,238	43.1	(38.3-48.1)
Parity				
1	187	12,072	28.2	(23.7-33.1)
2+	304	17,073	26.6	(23.2-30.4)
Last Year's Household Income				
<\$15,000	186	8,628	41.8	(35.1-48.8)
\$15,001-\$22,000	104	6,377	43.3	(34.6-52.4)
\$22,001-\$37,000	47	3,068	27.1	(19.2-36.7)
\$37,001-\$56,000	38	3,081	26.5	(18.8-35.9)
\$56,001+	54	4,557	11.8	(8.7-15.7)

*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, 2015

Reason	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Reason (non-exclusive)				
Didn't Mind Getting Pregnant	223	14,456	46.6	(40.7-52.5)
Thought Couldn't Get Pregnant At That Time	145	8,943	28.8	(23.7-34.6)
Partner Didn't Want to Use Birth Control	103	5,350	17.4	(13.4-22.2)
Thought Self/Partner Sterile	45	3,493	11.3	(7.7-16.3)
Forgot to Use Birth Control	45	2,526	8.2	(5.4-12.2)
Side Effects From Birth Control	60	2,429	7.8	(5.4-11.2)
Problems Getting Birth Control	36	2,393	7.7	(4.9-12.1)
Other Reason	81	4,375	14.2	(10.7-18.7)

Table 18. Prevalence of using any postpartum contraceptive method by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,195	83,765	78.1	(75.4-80.6)
Maternal Age				
<20 Years	63	2,901	73.3	(58.5-84.3)
20-29 Years	696	47,288	81.6	(77.9-84.7)
30+ Years	436	33,576	74.2	(69.7-78.2)
Race/Ethnicity				
White, non-Hispanic	551	59,223	79.1	(75.6-82.2)
Black, non-Hispanic	551	14,868	77.3	(73.7-80.6)
Hispanic	40	4,053	82.2	(67.4-91.2)
Asian/Pacific Islander, non-Hispanic	18	1,582	53.3	(34.3-71.3)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	28	3,359	77.6	(60.0-88.9)
Education				
<High School	130	7,398	80.5	(70.9-87.5)
HS Grad/GED	330	22,043	78.6	(72.8-83.4)
Some College	405	26,098	78.6	(73.7-82.9)
College Degree+	322	27,684	76.9	(72.1-81.0)
Pre-Pregnancy Insurance Status				
Uninsured	101	7,985	76.3	(66.3-84.1)
Medicaid/Public	517	27,727	80.8	(76.2-84.7)
Private	546	45,838	77.1	(73.4-80.5)
Other	27	1,984	72.3	(49.5-87.4)
Marital Status				
Married	559	48,997	77.3	(73.7-80.5)
Other	636	34,768	79.4	(75.1-83.1)
Parity				
1	475	32,574	76.0	(71.5-80.0)
2+	709	50,463	79.6	(76.1-82.7)
Last Year's Household Income				
<\$15,000	334	17,034	80.7	(75.0-85.3)
\$15,001-\$22,000	185	12,105	79.4	(71.2-85.7)
\$22,001-\$37,000	131	9,457	83.2	(75.1-89.0)
\$37,001-\$56,000	122	9,497	79.4	(70.5-86.2)
\$56,001+	320	29,179	75.7	(70.9-79.9)

*Data not shown due to small sample size.

**Table 19. Prevalence of postpartum contraceptive methods,
MI PRAMS, 2015**

Method	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Pregnancy prevention method (non-exclusive)				
Condoms	384	25,195	29.9	(26.7-33.2)
Oral Contraceptives	292	21,134	25.0	(22.0-28.3)
Withdrawal	203	15,570	18.5	(15.8-21.4)
Intrauterine Device	163	13,331	15.8	(13.2-18.8)
Abstinence	155	9,483	11.2	(9.2-13.7)
Tubal Ligation	132	8,387	9.9	(8.0-12.3)
Shot Every 3 Months	157	6,988	8.3	(6.7-10.1)
Rhythm Method	52	4,588	5.4	(4.0-7.4)
Partner Had Vasectomy	39	3,770	4.5	(3.2-6.3)
Contraceptive Implant	57	3,260	3.9	(2.7-5.6)
Contraceptive Patch or Vaginal Ring	12	534	0.6	(0.2-1.7)
Other Method	29	2,079	2.5	(1.6-3.9)

**Table 20. Reasons for not using postpartum contraceptive methods,
MI PRAMS, 2015**

Reason	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Reason (non-exclusive)				
Doesn't Want to Use Birth Control	124	8,821	36.4	(30.4-42.8)
Side Effects from Birth Control	132	8,474	34.9	(29.0-41.3)
Not Having Sex	120	7,925	32.7	(26.8-39.2)
Wants to Get Pregnant	39	3,041	12.5	(8.7-17.8)
Partner Doesn't Want to Use Anything	33	1,754	7.3	(4.7-11.1)
Mother Had Tubes Tied	29	1,380	5.7	(3.5-9.2)
Pregnant Now	9	729	3.0	(1.2-7.4)
Problems Getting Birth Control	10	526	2.2	(1.0-4.7)
Partner Had Vasectomy	*	*	*	*
Other Reason	67	5,467	22.5	(17.3-28.8)

*Data not shown due to small sample size.

**Table 21. Trimester of entry into prenatal care,
MI PRAMS, 2015**

Trimester of entry	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
1st Trimester	1,249	90,171	84.4	(82.0-86.6)
2nd Trimester	247	14,423	13.5	(11.5-15.8)
3rd Trimester	25	1,404	1.3	(0.8-2.2)
No prenatal care	12	792	0.7	(0.4-1.5)

**Table 22. Prevalence of getting prenatal care as early as wanted,
MI PRAMS, 2015**

Got care as early as wanted?	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
No	288	16,635	15.4	(13.3-17.7)
Yes	1,281	91,667	84.6	(82.3-86.7)

**Table 23. Source of payments for prenatal care,
MI PRAMS, 2015**

Source of prenatal care payment	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Source of payment (non-exclusive)				
Uninsured during pregnancy	18	1,360	1.3	(0.7-2.1)
Medicaid/Public	862	50,789	46.7	(43.6-49.9)
Private - from work	714	57,082	52.5	(49.4-55.7)
Private - purchased directly	62	5,215	4.8	(3.6-6.5)
Private - TRICARE/other military	16	959	0.9	(0.5-1.6)
Other	77	4,653	4.3	(3.2-5.7)

Table 24. Prevalence of first trimester entry into prenatal care by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,249	90,171	84.4	(82.0-86.6)
Maternal Age				
<20 Years	57	2,588	68.8	(53.3-80.9)
20-29 Years	690	48,215	83.2	(79.7-86.2)
30+ Years	502	39,368	87.3	(83.7-90.2)
Race/Ethnicity				
White, non-Hispanic	626	66,079	88.2	(85.2-90.7)
Black, non-Hispanic	516	13,441	71.6	(67.6-75.2)
Hispanic	40	3,641	73.7	(57.0-85.6)
Asian/Pacific Islander, non-Hispanic	26	2,102	72.2	(51.2-86.6)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	33	4,126	94.9	(82.5-98.6)
Education				
<High School	119	6,743	73.2	(62.7-81.6)
HS Grad/GED	298	19,950	73.2	(67.0-78.5)
Some College	415	28,049	84.8	(80.7-88.2)
College Degree+	408	34,737	95.1	(92.1-97.1)
Pre-Pregnancy Insurance Status				
Uninsured	96	7,803	72.5	(62.3-80.8)
Medicaid/Public	463	24,679	73.6	(68.6-78.0)
Private	659	55,271	92.8	(90.2-94.7)
Other	26	2,145	81.6	(56-.7-93.8)
Marital Status				
Married	666	57,247	90.2	(87.3-92.4)
Other	582	32,920	76.0	(71.7-79.9)
Parity				
1	526	37,407	88.3	(84.7-91.1)
2+	710	51,993	81.9	(78.6-84.8)
Last Year's Household Income				
<\$15,000	272	14,389	71.9	(65.5-77.5)
\$15,001-\$22,000	180	12,261	81.8	(74.1-87.6)
\$22,001-\$37,000	133	9,052	79.2	(69.6-86.3)
\$37,001-\$56,000	138	10,869	90.4	(83.2-94.8)
\$56,001+	406	36,332	94.2	(91.0-96.3)

*Data not shown due to small sample size.

Table 25. Prevalence of topics discussed by health care provider during prenatal care visits, MI PRAMS, 2015

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Topic (non-exclusive)				
Medicines Safe to take During Pregnancy	1,425	96,518	89.2	(87.0-91.0)
Tests for Birth Defects Hereditary Disorders	1,362	93,966	86.7	(84.4-88.8)
Breastfeeding My Baby	1,351	90,203	83.4	(80.9-85.6)
Signs and Symptoms of Preterm Labor	1,296	87,907	81.6	(78.9-83.9)
What to Do if Experiencing Depression During/After Pregnancy	1,245	85,591	79.1	(76.5-81.5)
Getting Tested for HIV	1,257	83,595	77.9	(75.2-80.4)
Amount of Weight to Gain During Pregnancy	1,198	82,261	76.2	(73.4-78.8)
Smoking During Pregnancy	1,198	77,527	71.8	(68.8-74.5)
Alcohol Use During Pregnancy	1,190	76,489	70.6	(67.6-73.4)
Illegal Drug Use During Pregnancy	1,121	70,592	65.4	(62.4-68.3)
Domestic Abuse Towards Women by Partners	984	63,248	58.6	(55.5-61.7)
Seatbelt Use	945	59,260	54.9	(51.7-58.0)

Table 26. Prevalence of HIV testing and prenatal care discussions about HIV testing, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Tested for HIV During Pregnancy or Delivery				
No	267	20,701	19.1	(16.8-21.7)
Yes	1,116	71,424	66.0	(63.0-69.0)
Do Not Know	183	16,053	14.8	(12.6-17.3)
Discussed HIV testing with provider				
Not Tested	137	9,973	9.4	(7.7-11.4)
Tested	1,015	64,256	60.5	(57.3-63.6)
Do Not Know	98	8,768	8.3	(6.6-10.3)
Did not discuss HIV testing with provider				
Not Tested	124	10,320	9.7	(8.0-11.7)
Tested	88	6,014	5.7	(4.4-7.3)
Do Not Know	81	6,896	6.5	(5.0-8.3)

Table 27. Prevalence of oral health related opinions and practices during pregnancy, MI PRAMS, 2015

	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	1,412	99,183	91.9	(90.0-93.4)
A dental or other health care worker talked with me about how to care for my teeth and gums	900	59,294	55.0	(51.8-58.2)
I had my teeth cleaned by a dentist or dental hygienist	826	57,883	53.6	(50.4-56.7)
I had insurance to cover dental care during pregnancy	1,252	86,218	80.6	(77.9-83.0)
I needed to see a dentist for a problem	342	22,173	20.6	(18.1-23.3)
I went to a dentist or dental clinic about a problem	267	16,305	15.1	(13.0-17.5)

Table 28. Drinking behavior during the last three months of pregnancy compared to preconception behavior, MI PRAMS, 2015

Drinking Change	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Did not consume alcohol	623	38,055	35.5	(32.5-38.5)
Quit consuming alcohol	833	62,516	58.3	(55.1-61.3)
Reduced alcohol consumption	44	3,567	3.3	(2.4-4.7)
Same or more alcohol consumption	45	2,881	2.7	(1.8-3.9)

Table 29. Smoking behavior during the last three months of pregnancy compared to preconception behavior, MI PRAMS, 2015

Smoking Change	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Non-smoker throughout	1,151	80,023	74.7	(71.7-77.5)
Smoker who quit	200	12,841	12.0	(10.0-14.3)
Smoker who reduced	120	9,105	8.5	(6.8-10.7)
Smoker smoking the same or more	80	4,797	4.5	(3.3-6.1)
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, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	204	14,400	13.3	(11.2-15.8)
Maternal Age				
<20 Years	6	443	11.0	(3.4-30.2)
20-29 Years	126	8,830	15.1	(12.1-18.7)
30+ Years	72	5,127	11.3	(8.4-15.0)
Race/Ethnicity				
White, non-Hispanic	95	10,563	14.1	(11.3-17.4)
Black, non-Hispanic	98	2,406	12.2	(9.8-15.0)
Hispanic	*	*	*	*
Asian/Pacific Islander, non-Hispanic	*	*	*	*
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	8	1,247	28.7	(14.7-48.4)
Education				
<High School	46	2,598	27.9	(19.0-38.9)
HS Grad/GED	80	6,571	23.2	(17.9-29.5)
Some College	72	4,741	14.3	(10.7-18.9)
College Degree+	*	*	*	*
Pre-Pregnancy Insurance Status				
Uninsured	21	1,359	12.7	(7.3-21.2)
Medicaid/Public	137	8,528	24.5	(19.9-29.8)
Private	40	3,805	6.4	(4.4-9.2)
Other	*	*	*	*
Marital Status				
Married	39	3,320	5.2	(3.6-7.5)
Other	164	11,077	25.1	(20.8-29.9)
Parity				
1	58	4,504	10.5	(7.5-14.4)
2+	146	9,896	15.4	(12.5-18.8)
Last Year's Household Income				
<\$15,000	95	5,837	27.3	(21.4-34.3)
\$15,001-\$22,000	44	3,467	23.9	(16.8-32.8)
\$22,001-\$37,000	17	1,898	16.7	(9.9-26.8)
\$37,001-\$56,000	17	1,205	10.2	(5.7-17.5)
\$56,001+	9	620	1.6	(0.6-3.9)

*Data not shown due to small sample size.

**Table 31. Distribution of delivery methods,
MI PRAMS, 2015**

Experience	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
How was your baby delivered?				
Vaginal	1,041	74,852	68.2	(65.2-71.0)
Not Vaginal	552	34,936	31.8	(29.0-34.8)

**Table 32. Distribution of and reasons for labor induction,
MI PRAMS, 2015**

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	923	65,784	61.4	(58.3-64.5)
Yes	617	41,326	38.6	(35.5-41.7)
Reasons for labor induction (non-exclusive)				
You were past your due date	162	12,592	30.0	(25.5-35.0)
Your labor stopped or was not progressing	124	9,067	21.7	(17.8-26.2)
You had a complication with your pregnancy such as low amniotic fluid or pre-eclampsia	126	7,571	18.2	(14.6-22.3)
Your water broke and there was a fear of infection	97	6,667	15.9	(12.6-19.9)
Your health care provider was worried about the size of the baby	91	5,241	12.6	(9.7-16.0)
You wanted to schedule your delivery	59	4,376	10.4	(7.7-14.1)
You wanted to give birth with a specific health care provider	44	3,671	8.8	(6.1-12.4)
Your baby was not doing well and needed to be born	46	2,520	6.0	(4.1-8.7)
Other	155	9,605	22.9	(19.0-27.3)

Table 33. Prevalence of low birthweight[^] by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	291	8,305	7.6	(7.3-7.8)
Maternal Age				
<20 Years	14	402	9.9	(5.6-16.9)
20-29 Years	160	4,784	8.0	(7.1-9.0)
30+ Years	117	3,120	6.8	(5.8-7.9)
Race/Ethnicity				
White, non-Hispanic	168	4,596	6.0	(5.4-6.7)
Black, non-Hispanic	85	2,661	13.3	(11.2-15.6)
Hispanic	15	448	8.7	(5.0-14.9)
Asian/Pacific Islander, non-Hispanic	13	305	10.3	(5.5-18.5)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	8	234	5.4	(2.5-11.1)
Education				
<High School	34	1,077	11.1	(7.7-15.7)
HS Grad/GED	73	2,494	8.7	(7.0-10.8)
Some College	96	2,730	8.1	(6.7-9.7)
College Degree+	85	1,905	5.2	(4.3-6.3)
Pre-Pregnancy Insurance Status				
Uninsured	26	769	7.0	(4.6-10.3)
Medicaid/Public	109	3,708	10.5	(8.9-12.3)
Private	148	3,594	6.0	(5.3-6.8)
Other	*	*	*	*
Marital Status				
Married	153	3,724	5.8	(5.1-6.5)
Other	138	4,581	10.1	(8.8-11.6)
Parity				
1	146	3,750	8.6	(7.5-9.8)
2+	140	4,431	6.8	(6.0-7.7)
Last Year's Household Income				
<\$15,000	69	2,373	11.1	(8.9-13.8)
\$15,001-\$22,000	41	1,243	8.2	(5.9-11.2)
\$22,001-\$37,000	31	915	8.0	(5.5-11.5)
\$37,001-\$56,000	38	965	8.0	(5.7-11.1)
\$56,001+	82	1,867	4.8	(4.0-5.8)

[^]Low birthweight infants are defined by the World Health Organization as infants weighing less than 2,500 grams at birth.

*Data not shown due to small sample size.

Table 34. Distribution of low birthweight subcategories[^] among low birthweight infants, MI PRAMS, 2015

Low Birthweight Subcategory	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total Prevalence	291	8,305	100.0	
Very low birthweight	53	1,564	18.8	(14.6-23.9)
Moderately low birthweight	238	6,741	81.2	(76.1-85.4)

[^]Very low birthweight = birthweight < 1,500g; moderately low birthweight = 1,500g <= birthweight <2,500g

Table 35. Prevalence of low birthweight[^] by smoking status during last three months of pregnancy, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	285	8,159	7.6	(7.3-7.8)
Smoking status				
Did not smoke in last 3 months of pregnancy	236	6,516	7.0	(6.5-7.4)
Smoked last 3 months of pregnancy	49	1,643	11.4	(8.5-15.2)

[^]Low birthweight infants are defined by the World Health Organization as infants weighing less than 2,500 grams at birth.

Table 36. Prevalence of high birthweight[^] by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	99	9,513	8.7	(7.0-10.7)
Maternal Age				
<20 Years	*	*	*	*
20-29 Years	48	4,901	8.2	(6.0-11.1)
30+ Years	49	4,432	9.7	(7.0-13.1)
Race/Ethnicity				
White, non-Hispanic	62	8,035	10.5	(8.3-13.3)
Black, non-Hispanic	31	677	3.4	(2.2-5.1)
Hispanic	*	*	*	*
Asian/Pacific Islander, non-Hispanic	*	*	*	*
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	*	*	*	*
Education				
<High School	*	*	*	*
HS Grad/GED	21	1,395	4.9	(2.8-8.5)
Some College	35	3,679	10.9	(7.6-15.3)
College Degree+	36	3,645	9.9	(7.1-13.8)
Pre-Pregnancy Insurance Status				
Uninsured	12	1,459	13.2	(7.1-23.3)
Medicaid/Public	25	1,425	4.0	(2.4-6.7)
Private	61	6,490	10.8	(8.3-13.9)
Other	*	*	*	*
Marital Status				
Married	61	6,370	9.9	(7.6-12.7)
Other	38	3,143	6.9	(4.7-10.2)
Parity				
1	34	3,163	7.3	(4.9-10.5)
2+	64	6,212	9.5	(7.3-12.4)
Last Year's Household Income				
<\$15,000	14	732	3.4	(1.6-7.3)
\$15,001-\$22,000	15	1,452	9.5	(5.3-16.6)
\$22,001-\$37,000	19	1,945	17.0	(10.5-26.1)
\$37,001-\$56,000	15	1,539	12.8	(7.5-20.8)
\$56,001+	31	3,244	8.4	(5.8-12.0)

[^]High birthweight infants are defined by the World Health Organization as infants weighing more than 4,000 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, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	98	9,294	8.6	(6.9-10.7)
Smoking status				
Did not smoke in last 3 months of pregnancy	96	9,275	9.9	(8.0-12.3)
Smoked last 3 months of pregnancy	*	*	*	*

[^]High birthweight infants are defined by the World Health Organization as infants weighing more than 4,000 grams at birth.

*Data not shown due to small sample size.

**Table 38. Prevalence of preterm birth[^] by maternal characteristics,
MI PRAMS, 2015**

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	264	10,272	9.4	(8.2-10.7)
Maternal Age				
<20 Years	10	420	10.3	(4.7-21.1)
20-29 Years	144	5,457	9.1	(7.5-11.0)
30+ Years	110	4,395	9.6	(7.6-12.0)
Race/Ethnicity				
White, non-Hispanic	150	6,338	8.3	(6.8-10.1)
Black, non-Hispanic	84	2,694	13.4	(11.1-16.1)
Hispanic	13	694	13.5	(6.6-25.6)
Asian/Pacific Islander, non-Hispanic	10	233	7.8	(3.9-15.1)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	7	313	7.2	(2.6-18.1)
Education				
<High School	26	895	9.2	(6.1-13.6)
HS Grad/GED	67	2,698	9.4	(7.1-12.4)
Some College	85	3,491	10.3	(7.8-13.4)
College Degree+	82	3,047	8.3	(6.2-10.9)
Pre-Pregnancy Insurance Status				
Uninsured	19	619	5.6	(3.3-9.3)
Medicaid/Public	108	4,681	13.2	(10.6-16.4)
Private	131	4,818	8.0	(6.5-9.9)
Other	*	*	*	*
Marital Status				
Married	142	5,373	8.3	(6.8-10.2)
Other	122	4,899	10.8	(8.8-13.2)
Parity				
1	115	4,008	9.2	(7.3-11.5)
2+	144	6,140	9.4	(7.8-11.4)
Last Year's Household Income				
<\$15,000	59	2,225	10.4	(7.9-13.7)
\$15,001-\$22,000	37	1,469	9.6	(6.4-14.2)
\$22,001-\$37,000	29	1,025	8.9	(5.7-13.8)
\$37,001-\$56,000	32	1,051	8.7	(5.7-13.1)
\$56,001+	78	2,995	7.7	(5.8-10.2)

[^]Preterm birth is defined by the World Health Organization as the birth of an infant before 37 weeks of pregnancy. Gestational weeks is obtained from the Michigan birth certificate - obstetric estimate of gestation variable.

*Data not shown due to small sample size.

**Table 39. Distribution of infant birthweights and gestational ages[^],
MI PRAMS, 2015**

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Infant both low birthweight and preterm	213	6,093	5.5	(5.1-6.0)
Infant low birthweight and term	78	2,212	2.0	(1.6-2.5)
Infant normal birthweight and preterm	51	4,179	3.8	(2.8-5.2)
Infant normal birthweight and term	1,251	97,304	88.6	(87.3-89.8)

[^]Low birthweight infants are defined by the World Health Organization as infants weighing less than 2,500 grams at birth; preterm birth is defined by the World Health Organization as the birth of an infant before 37 weeks of pregnancy. Gestational weeks is obtained from the Michigan birth certificate - obstetric estimate of gestation variable.

Table 40. Prevalence of breastfeeding initiation by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,250	90,921	85.0	(82.6-87.2)
Maternal Age				
<20 Years	66	2,540	64.4	(47.5-78.2)
20-29 Years	677	48,672	84.5	(81.1-87.3)
30+ Years	507	39,708	87.6	(84.0-90.4)
Race/Ethnicity				
White, non-Hispanic	616	65,361	87.4	(84.3-90.0)
Black, non-Hispanic	519	14,395	75.1	(71.4-78.4)
Hispanic	42	3,973	83.7	(67.3-92.7)
Asian/Pacific Islander, non-Hispanic	35	2,971	100.0	
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	31	3,578	82.3	(64.0-92.4)
Education				
<High School	103	6,156	67.4	(56.5-76.7)
HS Grad/GED	298	20,978	75.6	(69.7-80.7)
Some College	430	28,311	85.8	(81.4-89.3)
College Degree+	412	34,953	96.2	(93.4-97.8)
Pre-Pregnancy Insurance Status				
Uninsured	112	9,268	88.7	(80.9-93.6)
Medicaid/Public	453	24,491	72.5	(67.3-77.1)
Private	654	54,878	92.0	(89.2-94.1)
Other	27	2,033	73.5	(50.6-88.2)
Marital Status				
Married	673	58,146	91.5	(88.9-93.5)
Other	576	32,771	75.5	(71.0-79.6)
Parity				
1	547	38,067	88.8	(84.9-91.8)
2+	690	52,063	82.5	(79.3-85.3)
Last Year's Household Income				
<\$15,000	279	15,056	71.9	(65.5-77.6)
\$15,001-\$22,000	170	11,909	78.2	(70.4-84.4)
\$22,001-\$37,000	137	9,210	83.4	(73.8-89.9)
\$37,001-\$56,000	140	11,352	95.4	(89.9-97.9)
\$56,001+	408	36,451	94.4	(91.1-96.5)

*Data not shown due to small sample size.

**Table 41. Breastfeeding duration categories,
MI PRAMS, 2015**

Breastfeeding duration categories	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Did not Breastfeed	280	16,007	15.1	(13.0-17.6)
Breastfed <1 Week	52	3,548	3.4	(2.3-4.8)
Breastfed >1 Week, but Stopped	543	32,581	30.8	(28.0-33.8)
Currently Breastfeeding	638	53,539	50.7	(47.5-53.8)

Table 42. Median breastfeeding duration among women initiating breastfeeding by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Median (in weeks)	95% Confidence Interval
Total	1,233	89,669	12.8	(12.4-13.1)
Maternal Age				
<20 Years	64	2,521	6.2	(3.52-12.14)
20-29 Years	668	47,903	12.3	(11.55-12.76)
30+ Years	501	39,245	13.5	(12.89-14.06)
Race/Ethnicity				
White, non-Hispanic	609	64,383	13.0	(12.62-13.5)
Black, non-Hispanic	511	14,179	8.9	(8.48-11.67)
Hispanic	41	3,955	12.1	(3.88-16.12)
Asian/Pacific Islander, non-Hispanic	34	2,932	13.0	(11.93-16.05)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	31	3,578	11.9	(8.18-13.81)
Education				
<High School	97	5,985	3.9	(3.39-8.63)
HS Grad/GED	292	20,541	10.5	(8.18-12.22)
Some College	428	28,009	12.3	(11.64-12.85)
College Degree+	409	34,612	14.1	(13.56-14.65)
Pre-Pregnancy Insurance Status				
Uninsured	113	9,369	12.8	(11.39-13.92)
Medicaid/Public	443	23,842	8.7	(8.1-10.98)
Private	647	54,216	13.5	(12.98-13.96)
Other	26	1,992	13.3	(3.89-15.86)
Marital Status				
Married	667	57,487	13.6	(13.14-14.08)
Other	565	32,179	8.8	(8.13-11.39)
Parity				
1	539	37,717	12.8	(12.37-13.44)
2+	680	51,120	12.6	(12.18-13.11)
Last Year's Household Income				
<\$15,000	271	14,509	8.9	(8.08-11.95)
\$15,001-\$22,000	169	11,891	8.9	(5.96-12.63)
\$22,001-\$37,000	136	9,071	12.3	(9.14-13.94)
\$37,001-\$56,000	139	11,274	13.6	(12.59-14.54)
\$56,001+	404	35,985	13.4	(12.9-14.01)

*Data not shown due to small sample size.

**Table 43. Reasons for stopping breastfeeding,
MI PRAMS, 2015**

Reasons (non-exclusive)	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Wasn't Producing Enough Milk	315	20,949	55.6	(50.3-60.8)
Breastmilk Didn't Satisfy Baby	175	12,313	32.7	(27.9-37.9)
Baby Had Difficulty Nursing or Latching	183	10,125	26.9	(22.6-31.6)
Too Hard, Painful, Time Consuming	146	8,440	22.4	(18.4-27.0)
Went Back to Work or School	138	8,025	21.3	(17.2-26.1)
Nipples Were Sore, Cracked, or Bleeding	118	7,494	19.9	(16.0-24.5)
Baby Wasn't Gaining Weight	73	4,874	12.9	(9.7-17.0)
Too Many Household Duties	82	4,318	11.5	(8.7-15.1)
It Was Right Time to Stop	77	4,121	10.9	(8.2-14.5)
I Was Sick	51	3,622	9.6	(6.7-13.6)
Baby Was Jaundiced	32	2,124	5.6	(3.7-8.6)
Other	94	6,462	17.2	(13.4-21.7)

**Table 44. Distribution of WIC status during pregnancy,
MI PRAMS, 2015**

WIC Status	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
No	720	60,865	56.1	(53.0-59.1)
Yes	846	47,654	43.9	(40.9-47.0)

**Table 45. Primary infant sleep position,
MI PRAMS, 2015**

Primary Infant Sleep Position	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Back	1,160	86,585	81.8	(79.3-84.1)
Side	151	9,346	8.8	(7.2-10.7)
Stomach	188	9,913	9.4	(7.7-11.3)

Table 46. Prevalence of infant back sleeping[^] position by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,160	86,585	81.8	(79.3-84.1)
Maternal Age				
<20 Years	56	2,884	74.8	(61.3-84.7)
20-29 Years	618	45,362	79.5	(75.9-82.7)
30+ Years	486	38,339	85.3	(81.6-88.4)
Race/Ethnicity				
White, non-Hispanic	590	62,869	84.7	(81.4-87.5)
Black, non-Hispanic	461	12,508	67.0	(62.9-70.8)
Hispanic	41	4,161	88.6	(72.6-95.8)
Asian/PI	29	2,349	79.1	(57.3-91.4)
American Indian	*	*	*	*
Other	30	3,776	87.3	(72.3-94.7)
Education				
<High School	116	6,619	72.9	(62.2-81.4)
HS Grad/GED	291	21,296	78.6	(73.0-83.3)
Some College	391	27,104	82.5	(78.1-86.1)
College Degree+	355	31,063	86.1	(81.9-89.4)
Pre-Pregnancy Insurance Status				
Uninsured	93	7,870	75.0	(64.5-83.1)
Medicaid/Public	455	25,749	77.6	(72.9-81.6)
Private	589	50,931	85.8	(82.6-88.5)
Other	22	1,896	75.2	(51.2-89.7)
Marital Status				
Married	613	53,548	84.8	(81.6-87.6)
Other	547	33,036	77.4	(73.2-81.1)
Parity				
1	465	35,072	82.8	(78.9-86.1)
2+	682	50,676	81.0	(77.6-84.0)
Last Year's Household Income				
<\$15,000	299	16,869	81.8	(76.7-85.9)
\$15,001-\$22,000	164	11,160	73.8	(65.0-81.0)
\$22,001-\$37,000	117	8,783	80.4	(71.7-86.9)
\$37,001-\$56,000	122	10,625	88.5	(81.6-93.0)
\$56,001+	368	33,581	87.7	(83.9-90.7)

[^]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, 2015**

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Sleep Practice (non-exclusive)				
Sleeps in crib	1,333	94,987	89.3	(87.2-91.1)
Sleeps on firm mattress	1,191	87,515	83.7	(81.2-85.8)
Sleeps with pillows*	83	5,651	5.4	(4.1-7.2)
Sleeps with bumper pads	176	13,025	12.6	(10.5-15.0)
Sleeps with blankets	204	13,717	13.2	(11.1-15.6)
Sleeps with toys*	33	2,083	2.0	(1.3-3.2)
Sleeps with an infant positioner*	62	4,826	4.7	(3.4-6.4)
Sleeps with mother or another person	335	22,144	21.3	(18.7-24.1)

* 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, 2015**

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,333	94,987	89.3	(87.2-91.1)
Maternal Age				
<20 Years	72	3,228	83.5	(67.0-92.7)
20-29 Years	728	50,938	89.2	(86.3-91.6)
30+ Years	533	40,820	90.0	(86.6-92.6)
Race/Ethnicity				
White, non-Hispanic	626	67,239	90.3	(87.5-92.5)
Black, non-Hispanic	596	16,256	86.0	(82.9-88.6)
Hispanic	42	4,267	90.3	(76.1-96.4)
Asian/Pacific Islander, non-Hispanic	29	2,566	86.4	(68.5-94.8)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	32	3,877	89.6	(73.4-96.4)
Education				
<High School	143	8,073	88.7	(78.3-94.5)
HS Grad/GED	353	24,146	88.3	(83.7-91.7)
Some College	448	29,377	89.1	(85.3-92.0)
College Degree+	382	32,888	90.8	(87.1-93.5)
Pre-Pregnancy Insurance Status				
Uninsured	111	9,261	88.0	(80.1-93.0)
Medicaid/Public	553	29,541	88.1	(84.0-91.3)
Private	635	53,329	89.9	(87.0-92.2)
Other	31	2,647	97.8	(90.7-99.5)
Marital Status				
Married	665	57,882	91.4	(88.8-93.4)
Other	667	37,102	86.3	(82.5-89.4)
Parity				
1	530	37,461	88.6	(84.9-91.5)
2+	789	56,615	89.8	(87.0-92.0)
Last Year's Household Income				
<\$15,000	359	17,629	84.9	(78.7-89.5)
\$15,001-\$22,000	194	13,764	90.4	(85.0-94.1)
\$22,001-\$37,000	140	10,107	92.0	(86.0-95.6)
\$37,001-\$56,000	135	10,642	90.4	(83.0-94.8)
\$56,001+	385	35,280	91.4	(88.0-93.9)

*Data not shown due to small sample size.

Table 49. Prevalence of infant usually sleeping on a firm mattress by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,191	87,515	83.7	(81.2-85.8)
Maternal Age				
<20 Years	54	2,897	74.9	(61.0-85.1)
20-29 Years	637	45,331	80.6	(77.0-83.8)
30+ Years	500	39,286	88.2	(84.8-91.0)
Race/Ethnicity				
White, non-Hispanic	595	63,983	87.2	(84.1-89.7)
Black, non-Hispanic	503	13,603	72.9	(69.0-76.5)
Hispanic	37	3,868	83.6	(68.4-92.3)
Asian/Pacific Islander, non-Hispanic	22	2,081	73.1	(52.7-86.8)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	28	3,438	82.9	(65.4-92.6)
Education				
<High School	106	6,629	72.9	(62.5-81.2)
HS Grad/GED	308	21,597	81.4	(76.0-85.7)
Some College	405	26,990	83.5	(79.1-87.2)
College Degree+	368	32,135	89.4	(85.5-92.3)
Pre-Pregnancy Insurance Status				
Uninsured	95	8,402	81.4	(72.6-87.9)
Medicaid/Public	453	25,315	77.3	(72.7-81.4)
Private	616	51,559	87.8	(84.6-90.4)
Other	24	2,028	79.0	(54.9-92.1)
Marital Status				
Married	618	53,905	86.3	(83.2-89.0)
Other	543	32,412	73.8	(69.3-77.8)
Parity				
1	475	34,388	82.0	(77.8-85.6)
2+	707	52,575	85.2	(82.2-87.8)
Last Year's Household Income				
<\$15,000	291	15,160	74.0	(67.7-79.5)
\$15,001-\$22,000	165	12,238	82.8	(75.8-88.1)
\$22,001-\$37,000	130	9,279	86.7	(78.9-91.9)
\$37,001-\$56,000	135	10,807	90.8	(83.6-95.0)
\$56,001+	374	34,223	89.7	(85.9-92.5)

*Data not shown due to small sample size.

Table 50. Prevalence of infant usually sleeping with bumper pads by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	176	13,025	12.6	(10.5-15.0)
Maternal Age				
<20 Years	19	920	23.8	(12.8-40.0)
20-29 Years	98	7,522	13.4	(10.6-16.9)
30+ Years	59	4,583	10.5	(7.7-14.0)
Race/Ethnicity				
White, non-Hispanic	83	9,871	13.5	(10.9-16.7)
Black, non-Hispanic	77	1,767	9.7	(7.5-12.4)
Hispanic	9	678	14.7	(6.5-29.9)
Asian/Pacific Islander, non-Hispanic	*	*	*	*
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	*	*	*	*
Education				
<High School	21	1,315	14.6	(8.4-24.2)
HS Grad/GED	58	4,440	16.8	(12.1-22.8)
Some College	64	4,076	12.8	(9.4-17.1)
College Degree+	33	3,194	9.0	(6.3-12.7)
Pre-Pregnancy Insurance Status				
Uninsured	15	1,085	10.5	(5.7-18.4)
Medicaid/Public	80	4,725	14.6	(10.8-19.3)
Private	76	6,839	11.8	(9.2-15.0)
Other	*	*	*	*
Marital Status				
Married	69	6,242	10.1	(7.8-12.9)
Other	107	6,783	16.3	(12.7-20.7)
Parity				
1	74	5,523	13.2	(10.0-17.3)
2+	100	7,303	12.0	(9.5-15.1)
Last Year's Household Income				
<\$15,000	47	2,269	11.2	(7.4-16.6)
\$15,001-\$22,000	27	2,052	13.8	(8.6-21.5)
\$22,001-\$37,000	20	1,525	14.3	(8.2-23.7)
\$37,001-\$56,000	19	1,439	12.4	(7.3-20.4)
\$56,001+	38	3,782	10.0	(7.2-13.8)

*Data not shown due to small sample size.

Table 51. Prevalence of infant usually sleeping with blankets by maternal characteristics, MI PRAMS, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	204	13,717	13.2	(11.1-15.6)
Maternal Age				
<20 Years	20	1,172	30.3	(17.1-47.9)
20-29 Years	134	8,241	14.6	(11.8-18.0)
30+ Years	50	4,303	9.8	(7.1-13.4)
Race/Ethnicity				
White, non-Hispanic	71	8,723	12.0	(9.4-15.1)
Black, non-Hispanic	114	3,056	16.4	(13.6-19.7)
Hispanic	8	875	18.9	(8.7-36.3)
Asian/Pacific Islander, non-Hispanic	7	545	19.0	(7.3-41.3)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	*	*	*	*
Education				
<High School	27	1,323	14.9	(9.0-23.6)
HS Grad/GED	73	4,261	16.0	(11.8-21.4)
Some College	73	5,285	16.4	(12.4-21.5)
College Degree+	30	2,690	7.5	(5.0-11.1)
Pre-Pregnancy Insurance Status				
Uninsured	27	2,095	20.4	(12.8-30.8)
Medicaid/Public	96	5,062	15.4	(11.8-20.0)
Private	74	6,211	10.7	(8.2-13.9)
Other	6	308	12.0	(4.4-28.7)
Marital Status				
Married	70	6,263	10.1	(7.8-13.0)
Other	133	7,450	17.7	(14.1-22.1)
Parity				
1	92	5,758	13.8	(10.5-17.8)
2+	109	7,781	12.7	(10.1-15.9)
Last Year's Household Income				
<\$15,000	62	2,543	12.6	(8.8-17.6)
\$15,001-\$22,000	40	2,864	19.3	(13.0-27.7)
\$22,001-\$37,000	28	1,985	18.7	(11.8-28.3)
\$37,001-\$56,000	17	1,641	13.9	(8.3-22.4)
\$56,001+	25	2,348	6.2	(4.0-9.5)

*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, 2015

Characteristic	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	335	22,144	21.3	(18.7-24.1)
Maternal Age				
<20 Years	19	1,348	34.9	(20.7-52.4)
20-29 Years	199	12,453	22.0	(18.6-25.9)
30+ Years	117	8,344	19.1	(15.5-23.3)
Race/Ethnicity				
White, non-Hispanic	130	14,269	19.6	(16.5-23.2)
Black, non-Hispanic	171	4,341	23.2	(19.9-26.8)
Hispanic	12	1,298	27.5	(15.2-44.5)
Asian/Pacific Islander, non-Hispanic	11	870	30.9	(15.7-51.9)
American Indian, non-Hispanic	*	*	*	*
Other, non-Hispanic	9	1,088	26.1	(13.3-45.0)
Education				
<High School	30	1,360	15.2	(8.8-25.1)
HS Grad/GED	89	6,430	24.2	(18.8-30.5)
Some College	120	7,336	22.8	(18.4-27.9)
College Degree+	93	6,797	19.1	(15.2-23.6)
Pre-Pregnancy Insurance Status				
Uninsured	41	3,176	31.2	(22.1-42.0)
Medicaid/Public	131	6,957	21.1	(16.8-26.2)
Private	161	11,750	20.2	(16.9-23.9)
Other	*	*	*	*
Marital Status				
Married	142	11,057	17.9	(14.9-21.3)
Other	193	11,087	26.3	(22.0-31.1)
Parity				
1	151	10,098	24.1	(19.9-28.8)
2+	178	11,545	18.9	(15.8-22.4)
Last Year's Household Income				
<\$15,000	91	4,835	23.5	(18.0-30.2)
\$15,001-\$22,000	60	4,234	28.5	(21.0-37.6)
\$22,001-\$37,000	41	2,631	24.7	(17.1-34.2)
\$37,001-\$56,000	35	2,651	22.5	(15.4-31.6)
\$56,001+	81	5,847	15.5	(12.1-19.7)

*Data not shown due to small sample size.

**Table 53. Prevalence of life stressors experienced by mothers,
MI PRAMS, 2015**

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Life Stressors (non-exclusive)				
I moved to a new address	562	37,512	34.7	(31.7-37.8)
A close family member was very sick and had to go to the hospital	415	29,340	27.1	(24.4-30.1)
I argued with my husband or partner more than usual	396	22,863	21.1	(18.7-23.8)
Someone very close to me died	366	21,642	20.1	(17.8-22.7)
I had problems paying the rent, mortgage, or other bills	319	19,728	18.3	(15.9-20.9)
My husband, partner, or I had a cut in work hours or pay	250	17,236	16.0	(13.7-18.5)
Someone very close to me had a problem with drinking or drugs	208	14,725	13.7	(11.5-16.1)
My husband or partner lost his job	188	11,418	10.6	(8.8-12.7)
I lost my job even though I wanted to go on working	215	11,009	10.2	(8.6-12.1)
My husband or partner said he didn't want me to be pregnant	150	8,541	7.9	(6.4-9.8)
I got divorced or separated from my husband or partner	122	7,417	6.9	(5.4-8.7)
My husband, partner, or I went to jail	80	4,199	3.9	(2.8-5.3)
I was homeless or had to sleep outside, in a car, or in a shelter	74	3,167	2.9	(2.1-4.1)
I was apart from my husband or partner due to military deployment or extended work-related travel	37	2,838	2.6	(1.7-3.9)

**Table 54. Number of life stressors experienced by mothers,
MI PRAMS, 2015**

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
0	404	30,405	28.1	(25.3-31.0)
1	342	25,694	23.7	(21.1-26.6)
2	276	19,339	17.9	(15.6-20.4)
3	178	11,746	10.9	(9.0-13.0)
4	128	7,510	6.9	(5.5-8.7)
5	103	6,470	6.0	(4.6-7.7)
6	58	3,320	3.1	(2.1-4.4)
7	35	1,969	1.8	(1.1-2.9)
8+	37	1,780	2.3	(1.4-3.6)

**Table 55. Prevalence of intimate partner violence by time,
MI PRAMS, 2015**

Time Period of Abuse	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
12 months before conception	62	3,746	3.5	(2.5-4.9)
During pregnancy	53	3,022	2.8	(1.9-4.0)
Either 12 months before conception or during pregnancy	77	4,612	4.3	(3.1-5.8)

**Table 56. Perceived neighborhood safety experienced by mothers during pregnancy,
MI PRAMS, 2015**

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	39	1,961	1.8	(1.2-2.8)
Often	38	1,821	1.7	(1.1-2.7)
Sometimes	120	7,401	6.8	(5.4-8.6)
Rarely	247	16,028	14.8	(12.7-17.2)
Never	1,117	80,926	74.8	(72.0-77.5)

**Table 57. Reactions to racism during pregnancy,
MI PRAMS, 2015**

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	80	3,282	3.1	(2.3-4.1)
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	89	3,599	3.4	(2.5-4.4)
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	51	2,450	2.3	(1.6-3.3)

**Table 58. Infant insurance status at time of survey,
MI PRAMS, 2015**

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Insurance status				
Covered by private health insurance	644	52,972	49.6	(46.5-52.8)
Covered by Medicaid or other public insurance	811	49,156	46.1	(42.9-49.2)
Covered by health insurance from other source	59	3,629	3.4	(2.4-4.7)
Not covered by any health insurance	12	947	0.9	(0.5-1.7)

**Table 59. Mother insurance status at time of survey,
MI PRAMS, 2015**

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Insurance status				
Covered by private health insurance	786	62,486	58.0	(54.9-61.1)
Covered by Medicaid or other public insurance	683	39,651	36.8	(33.9-39.9)
Not covered by any health insurance	80	5,578	5.2	(3.9-6.8)

**Table 60. Post-partum checkup for mother,
MI PRAMS, 2015**

	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	1,364	97,271	90.7	(88.8-92.3)

**Table 61. Post-partum depression symptoms,
MI PRAMS, 2015**

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	609	42,204	39.5	(36.4-42.6)
Rarely	471	34,913	32.6	(29.7-35.7)
Sometimes	325	21,379	20.0	(17.6-22.6)
Often	107	6,983	6.5	(5.1-8.4)
Always	27	1,500	1.4	(0.8-2.4)
<i>Having little or no pleasure in doing things</i>				
Never	646	47,360	44.3	(41.1-47.5)
Rarely	424	31,509	29.5	(26.6-32.5)
Sometimes	304	17,304	16.2	(14.0-18.6)
Often	110	7,757	7.3	(5.7-9.2)
Always	57	3,010	2.8	(2.0-3.9)
Mothers reporting significant post-partum depression**	235	14,980	14.1	(12.0-16.5)

**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, 2015

Experience	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	1,539	106,900	100.0	
Mother did not work at a job for pay during pregnancy	501	34,727	32.5	(29.5-35.6)
Mother worked at a job for pay during pregnancy	1,038	72,174	67.5	(64.4-70.5)

Table 63. Prevalence of post-pregnancy workplace leave among Michigan mothers who worked at a job for pay during pregnancy, MI PRAMS, 2015

Experience	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Total	996	69,813	100.0	
Took only unpaid leave from work following pregnancy	529	35,470	50.8	(46.9-54.7)
Took only paid leave from work following pregnancy	223	17,222	24.7	(21.4-28.2)
Took a combination of paid and unpaid leave from work following pregnancy	135	10,392	14.9	(12.3-17.9)
Took no leave from work following pregnancy, paid or unpaid	109	6,728	9.6	(7.6-12.2)

**Table 64. Prevalence of home visiting program participation,
MI PRAMS, 2015**

Experience (non-exclusive)	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval
Home visitor visit during pregnancy to prepare for baby	320	13,788	12.7	(11.0-14.7)
Home visitor visit after pregnancy to help learn how to take care of self or new baby	410	20,801	19.5	(17.2-21.9)

**Table 65. Family history of chronic disease among Michigan mothers,
MI PRAMS, 2015**

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?				
High blood pressure (hypertension)	901	60,537	59.4	(56.1-62.5)
Diabetes	585	38,527	37.4	(34.3-40.6)
Heart attack before 55 years age	248	16,677	16.4	(14.1-18.9)
Breast cancer before 50 years of age	165	9,540	9.4	(7.7-11.4)
Ovarian cancer	103	7,705	7.7	(6.0-9.7)

APPENDIX
Comparison of MI PRAMS 2015 Data Tables to MI PRAMS 2010 Data Tables

MI PRAMS 2015 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 2015 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
Table 36 [^] . Prevalence of high birthweight by maternal characteristics	[^] Topic available but not reported in Phase 6 tables

MI PRAMS 2015 Table	MI PRAMS 2010 Table
^ Topic available but not reported in Phase 6 tables	
Table 37 [^] . Prevalence of high birthweight by smoking status during the last three months of pregnancy	^ Topic available but not reported in Phase 6 tables
^ Topic available but not reported in Phase 6 tables	
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 ^ Topic available but not reported in Phase 6 tables	^ Topic available but not reported in Phase 6 tables
Table 44. Distribution of WIC status during pregnancy	Table 44. Distribution of WIC status during pregnancy
Table 45 [^] . Primary infant sleep position ^ Topic available but not reported in Phase 6 tables	^ Topic available but not reported in Phase 6 tables
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 *Direct comparison not possible between survey phases	Table 52*. Prevalence of infant usually sleeping with another person by maternal characteristics *Direct comparison not possible between survey phases
Table 53 [^] . Prevalence of life stressors experienced by mothers ^ Topic available but not reported in Phase 6 tables	^ Topic available but not reported in Phase 6 tables
Table 54 [^] . Number of life stressors experienced by mothers ^ Topic available but not reported in Phase 6 tables	^ Topic available but not reported in Phase 6 tables
Table 55. Prevalence of intimate partner violence by time period	Table 22. Prevalence of intimate partner violence by time period

MI PRAMS 2015 Table	MI PRAMS 2010 Table
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