2016

MI PRAMS PHASE 8

New Survey Topics

MICHIGAN PRAMS

Pregnancy Risk Assessment Monitoring System

Telling the story of Michigan's Mothers and Babies

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Table 1. Opioid pain reliever usage around time of pregnancy, MI PRAMS, 2016

Opioid Pain Reliever Usage	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Timing of Usage					
12 months before pregnancy	116	6,831	6.4	(5.1-8.0)	1.6
During pregnancy	78	4,970	4.6	(3.5-6.1)	1.5
Since baby was born	385	25,230	23.6	(21.1-26.2)	2.7

Question: During any of the following time periods, did you use any prescription pain relievers, such as hydrocodone (Vicodin), oxycodone (Percocet), or codeine?

Table 2. Marijuana or hash usage around time of pregnancy, MI PRAMS, 2016

Marijuana or Hash Usage	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Timing of Usage					
12 months before pregnancy	247	13,105	12.2	(10.4-14.3)	2.1
During pregnancy	76	3,890	3.6	(2.7-4.9)	1.2
Since baby was born	103	5,678	5.3	(4.1-6.8)	1.5

Question: During any of the following time periods, did you use marijuana or hash in any form?

Table 3. Hookah or e-cigarette usage in last two years, MI PRAMS, 2016

Other Tobacco Product Usage	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Hookah	129	5,366	4.9	(4.0-6.1)	11.3
E-cigarette	90	6,525	6.0	(4.7-7.7)	12.7

Question: Have you used any of the following products in the last two years? For each item, check No if you did not use it or Yes if you did.

Response 1: E-cigarettes or other electronic nicotine products.
Response 2: Hookah.

Table 4. E-cigarette usage before and during pregnancy, MI PRAMS, 2016

Any E-cigarette Usage	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Timing of Usage					
3 months before pregnancy	51	3,123	2.9	(2.0-4.1)	18.0
Last 3 months of pregnancy	14*	1,227*	1.1*	(0.6-2.1)	33.1*

*Relative standard error (RSE) exceeds 30%. Interpret with caution.

Table 5. Prevalence of unmet basic needs during pregnancy, MI PRAMS, 2016

Unmet basic need	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Types (non-exclusive)					
Did not have affordable, reliable transportation	146	8,155	7.6	(6.1-9.3)	10.7
Could not keep basic utility services on (heat, water, light)	128	6,897	6.4	(5.1-8.0)	11.5
Did not have safe housing	130	6,479	6.0	(4.8-7.6)	11.7
House or apartment was too crowded	109	6,486	6.0	(4.7-7.7)	12.5
Skipped meals or ate less because there wasn't enough money for food	122	6,316	5.8	(4.6-7.4)	12.1
Did not have consistent housing	94	4,874	4.5	(3.4-6.0)	14.2
Could not access a telephone when needed	58	3,196	3.0	(2.1-4.1)	17.0
Other unmet needs	137	6,811	6.4	(5.1-8.0)	11.5

Question: During your most recent pregnancy, which of the following statements about basic needs applied to you?

Table 6. Cumulative number of unmet basic needs during pregnancy, MI PRAMS, 2016

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
None	1,242	81,366	75.2	(72.6-77.6)	5.2
1	283	14,789	13.7	(11.8-15.8)	7.4
2	119	6,423	5.9	(4.7-7.5)	12.2
3	49	2,931	2.7	(1.9-3.9)	18.7
4+	54	2,707	2.5	(1.7-3.6)	18.8

Table 7. Maternal immunization before and during pregnancy, MI PRAMS, 2016

Maternal Immunization	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Flu Shot					
No	885	47,281	44.0	(41.1-47.0)	3.4
Yes, before pregnancy	182	11,976	11.2	(9.4-13.2)	8.7
Yes, during pregnancy	691	48,120	44.8	(41.9-47.8)	3.4
Tdap					
No	539	29,465	27.0	(24.5-29.7)	4.8
Yes	1,069	70,745	64.9	(62.1-67.6)	4.0
I don't know	173	8,763	8.0	(6.6-9.8)	10.1

Question 1: During the 12 months before the delivery of your new baby, did you get a flu shot?

Response 1: No
Response 2: Yes, before my pregnancy
Response 3: Yes, during my pregnancy

Question 2: During your most recent pregnancy, did you get a Tdap shot or vaccination? A Tdap vaccination is a tetanus booster shot that also protects against pertussis (whooping cough).

Response 1: No
Response 2: Yes
Response 3: I don't know

Table 8. Plans for future infant immunization, MI PRAMS, 2016

Immunization Plans	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
As doctor recommends	1,447	91,937	87.7	(85.6-89.5)	8.2
All vaccines but on a different schedule	67	4,593	4.4	(3.3-5.9)	14.8
Only some vaccines	122	5,880	5.6	(4.4-7.1)	12.0
No vaccines planned	44	2,458	2.3	(1.6-3.4)	20.2

Question: What are your plans for vaccinating your new baby?

Response 1: My baby will be vaccinated the way my doctor recommends
Response 2: My baby will get every vaccine, but at different times than my doctor recommends
Response 3: My baby will get only some of the recommended vaccines
Response 4: My baby will not get vaccines

Table 9. Prevalence of maternal adverse childhood experiences, MI PRAMS, 2016

Adverse Childhood Experience	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Types (non-exclusive)					
A parent or guardian I lived with got divorced or separated	597	37,356	35.4	(32.6-38.4)	4.2
A parent or guardian I lived with had a serious drinking or drug problem	261	17,070	16.3	(14.1-18.7)	7.2
A parent or guardian got in trouble with the law or went to jail	232	13,583	12.9	(11.0-15.1)	8.2
We had to move because of trouble paying the rent or mortgage	244	13,365	12.7	(10.8-14.9)	8.1
Someone in my family or I went hungry because we could not afford enough food	146	8,181	7.8	(6.3-9.6)	10.8
Most of the time, I did not have an adult who believed in me and who I could count on to help me	146	7,838	7.4	(6.0-9.1)	10.8
I was in foster care (removed from home by court or child welfare)	108	4,939	4.7	(3.6-6.1)	13.5

Question: Some of these things might happen to people during childhood. Childhood experiences may be important. Please tell us if any of these things ever happened to you from the time you were born through age 13.

Table 10. Cumulative number of maternal adverse childhood experiences, MI PRAMS, 2016

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
None	845	55,594	52.3	(49.3-55.2)	3.2
1	452	25,465	23.9	(21.5-26.6)	5.4
2	190	11,461	10.8	(9.0-12.8)	8.9
3	98	5,585	5.3	(4.0-6.8)	13.1
4+	129	8,269	7.8	(6.2-9.7)	11.1

Table 11a. Prevalence of any physical violence 12 months before or during pregnancy, MI PRAMS, 2016

Time period of abuse	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Abuse either 12 months before conception or during pregnancy	96	4,479	4.1	(3.1-5.4)	14.1
Abuse 12 months before conception	73	3,505	3.2	(2.3-4.4)	16.3
Abuse during pregnancy	68	3,381	3.1	(2.2-4.3)	16.5

Table 11b. Perpetrator of abuse 12 months before conception, MI PRAMS, 2016

Person who abused mother	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Husband/partner	40	1,788	1.6	(1.1-2.5)	22.4
Ex-husband/partner	32	1,983	1.8	(1.1-2.9)	24.1
Another family member	10	291	0.3	(0.1-0.6)	35.8
Someone else	11	510	0.5	(0.2-1.1)	39.4

Question: In the *12 months <u>before</u> you got pregnant* with your new baby, did any of the following people push, hit, slap, kick, choke, or physically hurt you in any other way?

Table 11c. Perpetrator of abuse during pregnancy, MI PRAMS, 2016

Person who abused mother	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Husband/partner	29	1,183	1.1	(0.7-1.7)	24.0
Ex-husband/partner	22	1,390	1.3	(0.7-2.2)	28.3
Another family member	10	367	0.3	(0.1-0.9)	54.0
Someone else	18	792	0.7	(0.4-1.4)	33.3

Question: During *your <u>most recent</u> pregnancy,* did any of the following people push, hit, slap, kick, choke, or physically hurt you in any other way?

Table 12. Partner living arrangement with mother, MI PRAMS, 2016

Living arrangement	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Types (exclusive)					
Partner lives with me all of the time	1,242	89,070	83.3	(81.4-85.2)	5.8
Partner lives with me some of the time	89	3,900	3.6	(2.7-4.8)	14.7
Partner does not live with me	202	6,880	6.4	(5.3-7.7)	9.5
I do not have a husband or partner	191	7,015	6.6	(5.4-8.0)	9.9

Question: This question is about your husband or partner, who may or may not be the father of your new baby. Please choose the statement that best describes the current living arrangement.

Table 13. Ways that husband or partner supports mother, MI PRAMS, 2016

Support of mother	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Types (non-exclusive)					
My partner is someone who helps me care for my child(ren)	1,445	95,754	97.2	(96.1-98.0)	17.2
My partner is someone I can talk with about things that are important to me	1,430	94,540	96.0	(94.7-97.0)	14.7
My partner is someone who talks with me and spends time with me	1,420	93,940	95.4	(93.9-96.5)	14.1
My partner is someone whom I can count on	1,414	93,859	95.4	(93.9-96.5)	13.9
My partner is someone who does things with me	1,410	93,709	95.2	(93.7-96.3)	13.6
My partner is someone who is affectionate toward me	1,401	92,711	94.7	(93.2-95.9)	12.9
My partner is someone I can count on for financial support if I need it	1,401	92,863	94.2	(92.5-95.5)	12.8
My partner is someone who understands how I am feeling	1,328	88,308	90.2	(88.1-91.9)	9.6

Question: The following statements are about your husband or partner, who may or may not be the father of your baby, and the support they provide you at this time. For each one, check No if it is not true for you most of the time or Yes if it is true.

Note: Women who answered "I do not have a husband or partner" did not complete this partner support question.

Table 14. Cumulative number of ways that husband or partner supports mother, MI PRAMS, 2016

Support of mother	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
0-2	64	2,815	2.8	(2.0-4.0)	17.5
3-5	65	3,710	3.7	(2.7-5.1)	16.1
6-7	164	10,195	10.3	(8.5-12.4)	9.6
8	1,228	82,248	83.1	(80.6-85.3)	7.1

Note: Women who answered "I do not have a husband or partner" did not complete this partner support question.

Table 15. People available to help watch baby, MI PRAMS, 2016

Infant caretakers	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Caretakers (non-exclusive)					
Husband/Partner	1,213	79,178	73.7	(71.0-76.2)	5.1
Baby's grandparent	1,131	71,232	66.3	(63.4-69.1)	4.3
Other close family member/relative	649	36,588	34.1	(31.3-37.0)	4.2
Friend or neighbor	151	10,127	9.4	(7.8-11.4)	9.6
Babysitter, nanny, or other child care provider	244	16,546	15.4	(13.3-17.7)	7.3
Staff at day care center	156	9,862	9.2	(7.6-11.0)	9.3
Other	50	2,667	2.5	(1.7-3.6)	18.9
Baby always with mom	338	19,167	17.9	(15.7-20.3)	6.5

Question: Which of the following people spend time taking care of your new baby when you are at school, work, or appointments?

Table 16. Cumulative number of infant caretakers, MI PRAMS, 2016

	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
None	126	8,066	7.5	(6.0-9.3)	11.0
1	398	23,091	21.5	(19.1-24.1)	5.8
2	619	39,008	36.3	(33.5-39.3)	4.1
3	405	26,480	24.7	(22.1-27.3)	5.4
4+	172	10,751	10.0	(8.4-12.0)	9.1

Table 17. Average amount of maternal sleep each night in the last week, MI PRAMS, 2016

Quantity (hours)	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
0-3	124	5,174	5.0	(3.9-6.3)	12.1
4-6	1,005	59,897	57.3	(54.3-60.3)	3.6
7-8	482	35,266	33.8	(30.9-36.7)	4.4
9+	70	4,136	4.0	(2.9-5.3)	15.2

Question: In the last week, how much time, on average, did you spend sleeping each night?

Table 18. Average number of times mother awoke each night in the last week, MI PRAMS, 2016

Number of awakenings	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
0-1	380	24,823	25.5	(22.9-28.4)	5.5
2	517	31,878	32.8	(29.9-35.8)	4.6
3	386	25,032	25.8	(23.1-28.6)	5.5
4+	271	15,465	15.9	(13.8-18.3)	7.2

Question: In the last week, how many times, on average, did you wake up each night?

Notes on Maternal Resilience

This resilience scale was created and tested by Bruce Smith and colleagues ("The Brief Resilience Scale: Assessing the Ability to Bounce Back." International Journal of Behavioral Medicine, 2008). Half of the questions on PRAMS were asked in the affirmative - an answer of "YES" indicated that a mother typically had a positive response to a stressful life event. The other half of the questions were asked in the negative. For these questions, an answer of "NO" meant that a mother usually did not have a negative response to a stressful situation.

In order to calculate an individual's cumulative number of positive responses to stress and to provide a basic summary "resilience score," all survey questions in the table below have been converted to positive language. Women with a resilience score of 6 report that most of the time they handle stressful situations well. Women with a resilience score of 0 report that they typically respond poorly to stressful life situations.

Table 19. Positive responses to stressful events, MI PRAMS, 2016

Stressful event response	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
I do not take a long time to get over set-backs in my life	1,582	100,027	93.2	(91.6-94.5)	10.9
It is not hard for me to snap back when something bad happens	1,526	96,141	89.3	(87.3-91.0)	8.7
I do not have a hard time making it through stressful events	1,480	93,253	86.6	(84.5-88.6)	7.8
I tend to bounce back quickly after hard times	1,255	75,920	70.9	(68.1-73.6)	4.8
It does not take me long to recover from a stressful event	922	60,760	56.7	(53.7-59.6)	3.5
I usually come through a difficult time with little trouble	956	60,500	56.4	(53.5-59.4)	3.5

Question: The following statements are about the way you handle life events. Please check all that are true for you most of the time.

Table 20. Cumulative number of positive responses to stressful life events, MI PRAMS, 2016

Number of positive responses to stressful situations	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
6	491	32,692	30.3	(27.6-33.1)	4.6
5	409	25,786	23.9	(21.4-26.6)	5.5
4	493	30,039	27.8	(25.2-30.6)	4.9
0-3	349	19,353	17.9	(15.8-20.3)	6.4

Table 21. Reason for not initiating breastfeeding, MI PRAMS, 2016

Reasons for not initiating breastfeeding	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Reasons (non-exclusive)					
Mom did not want to breastfeed	152	7,660	43.0	(36.0-50.4)	8.6
Mom did not like breastfeeding	106	4,981	28.0	(22.1-34.8)	11.7
Mom had other children to take care of	83	4,023	22.6	(17.1-29.2)	13.7
Mom was sick or on medicine	45	3,077	17.3	(12.3-23.7)	16.7
Mom tried but it was too hard	58	3,030	17.0	(12.1-23.4)	16.8
Mom returned to work	62	2,593	14.6	(10.5-20.0)	16.5
Mom had too many other household duties	51	2,560	14.4	(10.0-20.2)	17.9
Mom returned to school	21	832	4.7	(2.6-8.2)	29.2
Baby was in the hospital	14	696	3.9	(1.9-7.7)	35.4
Other	56	3,367	18.9	(13.7-25.6)	16.0

If mother answered "no" to the question: Did you ever breastfeed or pump breast milk to feed your new baby, even for a short period of time?

Then she was asked: What were your reasons for not breastfeeding your new baby? (Check all that apply)

Table 22. Breastfeeding information sources before or after delivery, MI PRAMS, 2016

Breastfeeding information source	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Information sources (non-exclusive)					
Mom's doctor	1,440	86,507	81.9	(79.4-84.2)	6.7
Nurse or midwife	1,291	79,390	76.0	(73.3-78.5)	5.5
Breastfeeding or lactation specialist	1,247	74,491	71.1	(68.3-73.8)	4.9
Baby's doctor	1,175	70,236	68.4	(65.4-71.2)	4.6
Family or friends	1,009	63,097	60.8	(57.8-63.7)	3.9
Breastfeeding support group	459	25,194	24.6	(22.1-27.3)	5.4
Hotline or toll-free number	191	10,940	10.8	(9.0-12.8)	9.0
Other	230	13,833	16.7	(14.3-19.5)	7.9

Question: *Before or after your new baby was born*, did you receive information about breastfeeding from any of the following sources?

Table 23. Total number of breastfeeding information sources, MI PRAMS, 2016

Number of sources of breastfeeding information	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
0-1	154	10,619	9.9	(8.2-11.9)	9.4
2-3	450	28,919	26.9	(24.3-29.6)	5.1
4-5	791	50,357	46.8	(43.8-49.8)	3.3
6+	337	17,668	16.4	(14.4-18.7)	6.6

Table 24. Did mother ever use a breast pump,
MI PRAMS, 2016

Breast pump usage	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Yes	1,254	82,076	91.2	(89.3-92.8)	10.1
No	161	7,871	8.8	(7.2-10.7)	10.1

Question: Have you used a breast pump to express milk to feed to your new baby?

Note: Only women who answered "yes" to initiating breastfeeding were asked about breast pump usage.

Table 25. Source of breast pump,
MI PRAMS, 2016

Source of breast pump	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Breast Pump Source (non-exclusive)					
Free from hospital	409	22,532	27.3	(24.4-30.4)	5.6
Bought new from store or online	243	15,817	19.2	(16.6-22.0)	7.0
Had one from previous child	171	13,772	16.7	(14.2-19.5)	8.0
Previously used by someone else	101	7,082	8.6	(6.8-10.8)	11.9
Bought new from hospital or doctor's office	100	6,602	8.0	(6.3-10.1)	11.9
New from WIC	80	4,845	5.9	(4.4-7.8)	14.5
New as a gift	72	4,495	5.4	(4.0-7.3)	15.1
Rented from hospital or doctor's office	43	1,969	2.4	(1.6-3.5)	19.9
Other	381	27,340	33.1	(29.9-36.4)	5.0

Question: Where did you get the breast pump or pumps that you use with your new baby?

Note: Only women who answered "yes" to ever using a breast pump were asked about breast pump source.

Table 26. Baby health indicators,
MI PRAMS, 2016

Health Indicators	Sample Frequency	Weighted Frequency	Weighted Percent	95% Confidence Interval	Relative Standard Error
Baby got breast milk from source other than mom	147	6,722	6.4	(5.1-7.9)	10.7
Baby has a doctor, nurse, or medical practice where he or she is seen on a regular basis	1,555	98,642	93.8	(92.3-95.0)	11.2
Baby will see a dentist by his or her first birthday	1,139	63,309	62.4	(59.3-65.3)	4.1

To access or collaborate on Michigan PRAMS data, email MIPRAMS@michigan.gov.
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