

Prevalence of Selected Maternal and Child Health Indicators for Michigan, Pregnancy Risk Assessment Monitoring System (PRAMS), 2016-2017

Health Indicator	2016		2017		Overall 2017 [§]
	N*	% (95% CI) [†]	N*	% (95% CI) [†]	% (95% CI) [†]
Nutrition					
• Multivitamin use ≥4 times a week during the month before pregnancy	1789	42.1 (39.2-45.0)	1883	37.7 (34.9-40.6)	40.4 (39.7-41.2)
Pre-pregnancy Weight					
• Underweight (Body Mass Index [BMI]<18.5 kg/m ²)	1728	3.0 (2.1-4.2)	1840	2.1 (1.5-3.0)	3.7 (3.4-4.0)
• Overweight (BMI 25-29.9 kg/m ²)	1728	24.6 (22.1-27.2)	1840	25.9 (23.3-28.6)	25.6 (24.9-26.3)
• Obese (BMI≥30 kg/m ²)	1728	25.5 (23.0-28.2)	1840	27.9 (25.3-30.6)	25.3 (24.6-26.0)
Substance Use					
• Any cigarette smoking					
• During the 3 months before pregnancy	1776	22.0 (19.5-24.6)	1869	21.5 (19.1-24.1)	17.7 (17.1-18.3)
• During the last 3 months of pregnancy	1776	10.9 (9.1-13.0)	1867	11.3 (9.5-13.4)	8.1 (7.7-8.6)
• Postpartum	1776	15.7 (13.6-18.1)	1869	15.6 (13.5-17.9)	11.7 (11.2-12.2)
• Any e-cigarette use					
• During the 3 months before pregnancy	1769	2.9 (2.0-4.1)	1864	3.0 (2.0-4.3)	3.7 (3.4-4.0)
• During the last 3 months of pregnancy	1771	1.1 (0.6-2.1)	1865	0.8 (0.4-1.6)	1.1 (1.0-1.3)
• Hookah use in the last 2 years	1769	4.9 (4.0-6.1)	1849	4.8 (3.8-6.0)	4.8 (4.4-5.1)
• Heavy drinking (8 or more drinks a week) during the 3 months before pregnancy	1763	2.6 (1.8-3.9)	1854	3.0 (2.0-4.3)	2.6 (2.4-2.9)
Intimate Partner Violence (IPV)[¶]					
• Experienced IPV during the 12 months before pregnancy by a husband or partner and/or an ex-husband or partner	1770	2.8 (2.0-3.9)	1858	2.6 (1.8-3.8)	3.0 (2.7-3.2)
• Experienced IPV during pregnancy by a husband or partner and/or an ex-husband or partner	1771	2.3 (1.6-3.4)	1856	2.0 (1.3-3.1)	2.2 (2.0-2.4)
Depression					
• Self-reported depression in the 3 months before pregnancy	1782	16.0 (13.8-18.4)	1872	15.7 (13.6-18.0)	12.8 (12.3-13.3)
• Self-reported depression during pregnancy	1771	13.3 (11.4-15.5)	1869	14.2 (12.2-16.5)	12.0 (11.5-12.5)
• Self-reported postpartum depressive symptoms [‡]	1725	14.3 (12.4-16.5)	1820	12.9 (11.1-15.0)	12.5 (12.0-13.0)
Health Care Services					
• Health care visit in the 12 months before pregnancy	1778	67.9 (65.1-70.6)	1864	70.9 (68.2-73.5)	67.7 (67.0-68.4)
• Began prenatal care in 1st trimester	1729	86.8 (84.7-88.7)	1844	86.4 (84.3-88.3)	86.9 (86.4-87.4)
• Had a flu shot in the 12 months before birth	1758	56.0 (53.0-58.9)	1852	52.9 (50.0-55.9)	58.9 (58.2-59.7)
• Had maternal postpartum checkup	1744	90.6 (88.7-92.2)	1849	91.3 (89.5-92.8)	90.3 (89.8-90.7)
Pregnancy Intention					
• Mistimed	1750	19.5 (17.2-21.9)	1862	18.9 (16.7-21.3)	19.5 (18.9-20.1)
• Unwanted pregnancy	1750	6.1 (4.9-7.6)	1862	5.3 (4.2-6.7)	6.1 (5.7-6.5)
• Unsure whether wanted pregnancy	1750	15.6 (13.6-17.8)	1862	19.9 (17.7-22.4)	15.5 (15.0-16.1)
• Intended pregnancy	1750	58.9 (56.0-61.7)	1862	55.8 (52.9-58.7)	58.9 (58.1-59.6)

Health Indicator	2016		2017		Overall 2017 [§]
	N*	% (95% CI) [†]	N*	% (95% CI) [†]	% (95% CI) [†]
Postpartum^{§§} Family Planning					
• Use of any postpartum contraception**	1717	77.6 (75.0-80.0)	1820	78.3 (75.8-80.6)	77.0 (76.3-77.6)
• Highly effective contraceptive methods					
• Male or female sterilization	1717	12.8 (10.8-14.9)	1820	11.6 (9.8-13.7)	11.2 (10.7-11.6)
• Long acting reversible contraceptive method ^{††}	1717	13.3 (11.4-15.6)	1820	15.1 (13.0-17.4)	17.0 (16.5-17.6)
• Moderately effective contraceptive methods ^{††}	1717	29.3 (26.7-32.1)	1820	28.8 (26.1-31.6)	25.6 (24.9-26.3)
• Least effective contraceptive methods ^{††}	1717	22.2 (19.8-24.7)	1820	22.8 (20.4-25.5)	23.2 (22.5-23.8)
Oral Health					
• Teeth cleaned during pregnancy by a dentist or dental hygienist	1783	48.7 (45.7-51.6)	1877	49.8 (46.9-52.8)	46.3 (45.5-47.0)
Health Insurance Status One Month Before Pregnancy^{††}					
• Private insurance	1731	65.2 (62.4-68.0)	1818	61.4 (58.4-64.2)	63.0 (62.2-63.7)
• Medicaid	1731	27.1 (24.6-29.7)	1818	29.6 (27.0-32.4)	23.0 (22.3-23.6)
• No insurance	1731	6.4 (5.0-8.2)	1818	7.4 (5.8-9.4)	13.2 (12.6-13.7)
Health Insurance Status for Prenatal Care^{††}					
• Private insurance	1659	62.9 (60.0-65.8)	1746	60.1 (57.1-63.0)	60.7 (59.9-61.4)
• Medicaid	1659	35.6 (32.8-38.6)	1746	38.4 (35.5-41.4)	35.6 (34.9-36.4)
• No insurance	1659	0.5 (0.2-1.2)	1746	0.7 (0.3-1.5)	2.6 (2.3-2.9)
Health Insurance Status Postpartum^{††§§}					
• Private insurance	1701	58.4 (55.4-61.3)	1811	57.3 (54.4-60.3)	58.5 (57.7-59.2)
• Medicaid	1701	35.7 (32.9-38.6)	1811	36.6 (33.8-39.5)	29.7 (29.0-30.4)
• No insurance	1701	4.4 (3.3-6.0)	1811	4.5 (3.3-6.2)	10.8 (10.3-11.3)
Infant Sleep Practices					
• Baby most often laid on back to sleep	1723	81.9 (79.6-84.0)	1808	83.3 (81.1-85.4)	79.5 (78.9-80.2)
Breastfeeding Practices					
• Ever breastfed	1731	84.0 (81.7-86.1)	1822	87.7 (85.7-89.5)	87.7 (87.2-88.2)
• Any breastfeeding at 8 weeks	1715	62.7 (59.8-65.6)	1804	65.1 (62.2-67.9)	67.7 (67.0-68.4)

[§]PRAMS site aggregate for 2017: Alabama, Alaska, Colorado, Connecticut, Delaware, Georgia, Illinois, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Missouri, Montana, New Hampshire, New Jersey, New Mexico, New York City, New York State, North Carolina, North Dakota, Oklahoma, Pennsylvania, Puerto Rico, Rhode Island, South Dakota, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and Wyoming met the required 55% response rate threshold for inclusion.

*Unweighted sample size

[†]Weighted percent (95% Confidence Interval)

^{††}Defined as being pushed, hit, slapped, kicked, choked, or physically hurt in any way by a husband/partner and/or an ex-husband/ex-partner. In 2016 (Phase 8), the question response options were expanded to include “my ex-husband or ex-partner” in addition to “my husband or partner”

^{§§}Postpartum is defined as the time the PRAMS survey was completed

^{§§§}Defined as “always” or “often” feeling down, depressed, or hopeless or having little interest or little pleasure in doing things she usually enjoyed since delivery.

**Defined as using any kind of birth control postpartum (female or male sterilization; intrauterine device (IUD); contraceptive implant; birth control pills; shots or injections; contraceptive patch; vaginal ring; condoms; rhythm method/natural family planning; withdrawal).

^{†††}Long-acting reversible contraception (LARC) methods include Intrauterine Device (IUD) or contraceptive implant. Moderately effective methods include birth control pills, shots or injections (e.g., Depo–Provera), contraceptive patch, and vaginal ring. Least effective methods include condom, rhythm method/natural family planning, and withdrawal. Women who selected the “other” write-in option were excluded from the analysis.

^{§§§§}Insurance is coded as Medicaid (Medicaid or state-named Medicaid program); Private (Private only, any other insurance in combination with private, TRICARE or other military insurance); No insurance (no insurance or Indian Health Service (IHS) only; in Alaska this also includes Alaska Tribal Health System that are part of the IHS response option); other state-specific government plans or programs such as SCHIP/CHIP are excluded from estimates.