

## Prevalence of Selected Maternal and Child Health Indicators for Missouri, Pregnancy Risk Assessment Monitoring System (PRAMS), 2016–2019

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Health Indicator -	2016		2017		2018		2019		Overall 2019§
N - 22	N#	% (95% CI) <sup>¶</sup>	N#	% (95% CI) <sup>¶</sup>	N#	% (95% CI) <sup>¶</sup>	N#	% (95% CI) <sup>¶</sup>	% (95% CI) <sup>¶</sup>
Nutrition	1055	10.0 (05.0 10.5)	4006	20.4 (25.0.42.4)	000	24.2 (24.2.27.2)	4500	40.4/40.0.45.4)	44.0 /44.0 40.5\
<ul> <li>Multivitamin use ≥4 times a week during the month before pregnancy</li> </ul>	1055	40.2 (36.9-43.6)	1096	39.1 (35.8-42.4)	928	34.3 (31.0-37.8)	1586	43.4 (40.3-46.4)	41.8 (41.0-42.5)
Pre-pregnancy Weight		/		()		/			
• Underweight (Body Mass Index [BMI]<18.5 kg/m²)	1039	3.8 (2.7-5.4)	1085	3.6 (2.5-5.1)	916	2.4 (1.5-3.8)	1574	4.7 (3.5-6.2)	3.3 (3.0-3.6)
• Overweight (BMI 25-29.9 kg/m²)	1039	25.1 (22.2-28.3)	1085	23.9 (21.1-27.0)	916	27.6 (24.5-31.0)	1574	22.4 (20.0-25.1)	26.2 (25.5-26.9)
• Obese (BMI≥30 kg/m²)	1039	28.3 (25.2-31.5)	1085	31.4 (28.2-34.7)	916	29.9 (26.6-33.4)	1574	28.2 (25.4-31.1)	27.1 (26.4-27.8)
Substance Use									
Any cigarette smoking									
<ul> <li>During the 3 months before pregnancy</li> </ul>	1049	26.2 (23.2-29.4)	1098	24.2 (21.4-27.2)	921	23.8 (20.8-27.2)	1579	22.5 (19.9-25.4)	15.1 (14.6-15.7)
<ul> <li>During the last 3 months of pregnancy</li> </ul>	1050	13.5 (11.2-16.1)	1096	13.0 (10.9-15.5)	922	14.5 (12.0-17.4)	1583	12.1 (10.0-14.5)	6.8 (6.5-7.2)
<ul> <li>Postpartum</li> </ul>	1049	18.7 (16.1-21.6)	1095	18.2 (15.7-21.0)	920	18.9 (16.1-22.0)	1582	17.6 (15.1-20.3)	9.7 (9.2-10.1)
Any e-cigarette use									
<ul> <li>During the 3 months before pregnancy</li> </ul>	1047	6.0 (4.5-8.0)	1095	5.9 (4.5-7.7)	920	5.5 (3.9-7.5)	1581	6.1 (4.7-8.0)	4.3 (4.0-4.6)
<ul> <li>During the last 3 months of pregnancy</li> </ul>	1051	2.3 (1.4-3.8)	1105	1.4 (0.8-2.4)	927	1.2 (0.6-2.3)	1589	1.6 (1.0-2.6)	1.3 (1.1-1.4)
Hookah use in the last 2 years	1047	6.0 (4.4-8.0)	1094	5.5 (4.0-7.3)	917	4.0 (2.7-5.8)	1586	3.5 (2.6-4.8)	4.7 (4.4-5.1)
<ul> <li>Heavy drinking (≥8 drinks a week) during the 3 months before</li> </ul>	1010	2.5 (4.6.2.7)	4400	2.6 (4.7.2.0)	022	2 5 (4 6 2 0)	4506	2.4.44.4.2.2\	2.0.(2.6.2.2)
pregnancy	1049	2.5 (1.6-3.7)	1102	2.6 (1.7-3.8)	922	2.5 (1.6-3.9)	1586	2.1 (1.4-3.2)	2.9 (2.6-3.2)
Intimate Partner Violence (IPV)¥									
• Experienced IPV during the 12 months before pregnancy by a husband	1040	40/2500	1102	4.4.(2.4.6.0)	026	4.0 (2.4.6.0)	1505	47/2465)	2.0.(2.0.2.2)
or partner and/or an ex-husband or partner	1049	4.9 (3.5-6.8)	1102	4.4 (3.1-6.0)	926	4.9 (3.4-6.9)	1595	4.7 (3.4-6.5)	3.0 (2.8-3.3)
• Experienced IPV during pregnancy by a husband or partner and/or an	1047	2 5 /4 5 4 0\	1104	20/2756)	025	2 2 /2 4 4 0\	1504	2.0/1.0.4.5)	2.0./4.0.2.2\
ex-husband or partner	1047	2.5 (1.5-4.0)	1104	3.9 (2.7-5.6)	925	3.2 (2.1-4.9)	1594	3.0 (1.9-4.5)	2.0 (1.8-2.2)
Depression									
Self-reported depression in the 3 months before pregnancy	1056	16.5 (14.0-19.3)	1106	18.2 (15.7-21.0)	932	20.3 (17.4-23.4)	1600	19.6 (17.1-22.3)	15.1 (14.5-15.7)
Self-reported depression during pregnancy	1047	16.4 (13.9-19.2)	1079	17.2 (14.7-19.9)	906	19.7 (16.9-22.9)	1574	19.3 (16.8-22.0)	14.8 (14.2-15.4)
Self-reported postpartum depressive symptoms**	1051	14.0 (11.8-16.7)	1091	13.9 (11.7-16.5)	921	13.7 (11.3-16.5)	1576	14.6 (12.5-17.1)	13.4 (12.9-14.0)
Health Care Services									
Health care visit in the 12 months before pregnancy	1052	66.0 (62.5-69.2)	1093	66.5 (63.1-69.7)	927	63.0 (59.3-66.5)	1585	65.1 (62.0-68.1)	68.0 (67.2-68.7)
Began prenatal care in 1st trimester	1040	85.8 (83.0-88.3)	1089	84.9 (82.2-87.3)	920	85.2 (82.3-87.7)	1576	87.8 (85.3-89.9)	87.7 (87.2-88.3)
Had a flu shot in the 12 months before birth	1051	56.3 (52.8-59.7)	1097	57.9 (54.5-61.3)	925	60.6 (56.9-64.1)	1582	64.3 (61.2-67.3)	60.8 (60.1-61.6)
Had maternal postpartum checkup	1053	88.1 (85.5-90.3)	1092	87.8 (85.3-89.9)	924	87.5 (84.8-89.7)	1584	88.6 (86.2-90.7)	• •
Pregnancy Intention		20.2 (20.0 00.0)		CC (CS.C CS.S)	- ·	5.15 (5.115.5517)		33.5 (33.2 33.7)	20 (20.0 31.2)
Mistimed	1035	18.2 (15.6-21.1)	1085	21.4 (18.6-24.4)	921	24.0 (20.9-27.3)	1580	19.6 (17.2-22.3)	19.3 (18.7-19.9)
Unwanted pregnancy	1035	9.4 (7.5-11.9)	1085	6.9 (5.3-8.9)	921	9.9 (7.8-12.3)	1580	7.8 (6.2-9.7)	6.5 (6.2-6.9)
Unsure whether wanted pregnancy	1035	18.1 (15.5-21.0)	1085	18.2 (15.6-21.1)	921	17.0 (14.4-20.0)	1580	17.9 (15.6-20.6)	15.7 (15.1-16.2)
Intended pregnancy	1035	54.2 (50.7-57.7)	1085	53.5 (50.1-57.0)	921	49.2 (45.5-52.8)	1580	54.7 (51.5-57.8)	
- Interface pregnancy	1033	J <del>7</del> .2 (JU.1-J1.1)	1000	33.3 (30.1-37.0)	721	75.2 (75.5-52.0)	1300	J <del>4</del> .7 (J1.J-J7.0)	30.3 (37.7-33.3)

Health Indicator —		2016		2017		2018		2019	Overall 2019§
	N#	% (95% CI) <sup>¶</sup>	N#	% (95% CI) <sup>¶</sup>	N#	% (95% CI) <sup>¶</sup>	N#	% (95% CI) <sup>¶</sup>	% (95% CI)¶
Postpartum <sup>††</sup> Family Planning									
<ul> <li>Use of any postpartum contraception<sup>††‡‡</sup></li> </ul>	1039	80.6 (77.7-83.2)	1085	78.5 (75.6-81.2)	913	76.3 (73.0-79.3)	1567	76.6 (73.8-79.2)	76.4 (75.7-77.0)
Highly effective contraceptive methods									
<ul> <li>Male or female sterilization</li> </ul>	1039	12.4 (10.3-14.9)	1085	14.5 (12.2-17.1)	913	13.3 (11.0-15.9)	1567	13.3 (11.3-15.6)	11.5 (11.0-12.0)
<ul> <li>Long acting reversible contraceptive method<sup>§§</sup></li> </ul>	1039	14.0 (11.8-16.7)	1085	14.6 (12.3-17.3)	913	16.2 (13.6-19.2)	1567	15.5 (13.4-17.8)	17.3 (16.7-17.9)
<ul> <li>Moderately effective contraceptive methods<sup>§§</sup></li> </ul>	1039	30.6 (27.4-33.9)	1085	25.2 (22.3-28.3)	913	25.9 (22.8-29.3)	1567	25.8 (23.1-28.7)	24.6 (23.9-25.3)
<ul> <li>Least effective contraceptive methods<sup>§§</sup></li> </ul>	1039	23.6 (20.8-26.6)	1085	24.2 (21.4-27.3)	913	20.9 (18.1-24.0)	1567	22.0 (19.6-24.6)	23.0 (22.4-23.7)
Oral Health									
Teeth cleaned during pregnancy by a dentist or dental hygienist	1056	43.5 (40.1-46.9)	1101	45.4 (42.0-48.8)	925	42.3 (38.7-45.9)	1588	45.2 (42.1-48.3)	45.9 (45.1-46.7)
Health Insurance Status One Month Before Pregnancy 19									
Private insurance	1026	64.4 (60.8-67.8)	1070	65.7 (62.3-69.0)	895	62.7 (59.0-66.3)	1527	64.6 (61.4-67.7)	62.7 (62.0-63.5)
Medicaid	1026	17.0 (14.3-19.9)	1070	17.7 (15.2-20.6)	895	19.8 (16.9-23.2)	1527	19.7 (17.1-22.6)	22.6 (22.0-23.3)
No insurance	1026	18.7 (16.0-21.7)	1070	16.5 (14.1-19.3)	895	17.4 (14.7-20.5)	1527	15.7 (13.4-18.3)	13.8 (13.2-14.4)
Health Insurance Status for Prenatal Care 11									
Private insurance	1021	58.4 (54.8-61.9)	1064	61.1 (57.6-64.4)	896	59.3 (55.6-62.9)	1531	57.4 (54.2-60.6)	59.8 (59.1-60.6)
Medicaid	1021	38.9 (35.5-42.5)	1064	36.4 (33.1-39.8)	896	38.5 (34.9-42.2)	1531	39.1 (36.0-42.4)	36.2 (35.5-37.0)
No insurance	1021	2.7 (1.7-4.1)	1064	2.6 (1.6-4.0)	896	2.2 (1.4-3.6)	1531	3.4 (2.2-5.2)	2.8 (2.5-3.1)
Health Insurance Status Postpartum <sup>††¶¶</sup>									
Private insurance	1011	57.2 (53.6-60.7)	1070	60.1 (56.6-63.5)	897	57.5 (53.8-61.2)	1521	57.1 (53.8-60.2)	57.7 (56.9-58.4)
Medicaid	1011	27.3 (24.2-30.7)	1070	27.5 (24.5-30.8)	897	30.6 (27.2-34.2)	1521	31.1 (28.1-34.3)	29.9 (29.2-30.6)
No insurance	1011	15.5 (13.0-18.5)	1070	12.3 (10.2-14.9)	897	11.9 (9.6-14.6)	1521	11.8 (9.8-14.2)	11.5 (11.0-12.0)
Infant Sleep Practices									
Baby most often laid on back to sleep	1003	78.9 (75.8-81.7)	1058	81.9 (79.0-84.5)	890	84.0 (81.1-86.6)	1537	83.1 (80.4-85.5)	79.6 (78.9-80.2)
Breastfeeding Practices									
Ever breastfed	1020	86.2 (83.5-88.6)	1074	85.0 (82.3-87.4)	906	85.1 (82.1-87.6)	1549	85.2 (82.6-87.4)	87.9 (87.4-88.4)
Any breastfeeding at 8 weeks	1011	63.1 (59.6-66.4)	1063	63.0 (59.6-66.3)	899	61.4 (57.7-64.9)	1541	65.0 (61.9-68.0)	67.7 (67.0-68.4)

<sup>§</sup>PRAMS site aggregate for 2019: Alabama, Alaska, Arkansas, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Hawaii, Illinois, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, New Hampshire, New Jersey, New Mexico, New York City, New York State, North Carolina, North Dakota, Oregon, Pennsylvania, Puerto Rico, Rhode Island, South Dakota, Tennessee, Utah, Vermont, Virginia, Washington, Wisconsin, and Wyoming met the required 50% response rate threshold for inclusion.

<sup>#</sup>Unweighted sample size

<sup>&</sup>lt;sup>¶</sup>Weighted percent (95% Confidence Interval)

<sup>\*</sup>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" \*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.

<sup>&</sup>lt;sup>††</sup>Postpartum is defined as the time the PRAMS survey was completed

<sup>\*\*</sup>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).

<sup>55</sup>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 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.