



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

Health Indicator	2016		2017		2018		2019		Overall 2019 [§]
	N [#]	% (95% CI) [¶]	N [#]	% (95% CI) [¶]	N [#]	% (95% CI) [¶]	N [#]	% (95% CI) [¶]	% (95% CI) [¶]
Nutrition									
• Multivitamin use ≥4 times a week during the month before pregnancy	1146	41.8 (38.8-44.9)	1099	43.7 (40.5-47.1)	1099	41.9 (38.7-45.3)	987	43.6 (40.2-47.1)	41.8 (41.0-42.5)
Pre-pregnancy Weight									
• Underweight (Body Mass Index [BMI]<18.5 kg/m ²)	1103	3.5 (2.5-4.8)	1030	2.7 (1.9-4.0)	1047	1.9 (1.2-2.9)	938	2.2 (1.4-3.6)	3.3 (3.0-3.6)
• Overweight (BMI 25-29.9 kg/m ²)	1103	27.6 (24.8-30.5)	1030	24.9 (22.0-28.0)	1047	27.4 (24.4-30.6)	938	28.2 (25.2-31.5)	26.2 (25.5-26.9)
• Obese (BMI≥30 kg/m ²)	1103	23.3 (20.7-26.2)	1030	24.9 (22.1-28.0)	1047	25.7 (22.7-28.8)	938	25.0 (22.0-28.2)	27.1 (26.4-27.8)
Substance Use									
• Any cigarette smoking									
• During the 3 months before pregnancy	1131	17.3 (15.0-19.9)	1075	15.1 (12.7-17.8)	1065	12.0 (9.9-14.5)	966	11.4 (9.3-13.9)	15.1 (14.6-15.7)
• During the last 3 months of pregnancy	1130	7.0 (5.5-8.8)	1075	5.4 (3.9-7.2)	1065	4.7 (3.4-6.4)	966	4.0 (2.8-5.6)	6.8 (6.5-7.2)
• Postpartum	1131	10.2 (8.4-12.3)	1075	8.2 (6.4-10.4)	1065	7.3 (5.7-9.4)	966	6.4 (4.9-8.3)	9.7 (9.2-10.1)
• Any e-cigarette use									
• During the 3 months before pregnancy	1121	1.9 (1.2-3.0)	1077	2.4 (1.5-3.6)	1070	3.7 (2.5-5.3)	968	5.2 (3.8-7.2)	4.3 (4.0-4.6)
• During the last 3 months of pregnancy	1121	0.9 (0.4-1.8)	1075	0.2 (0.0-0.6)	1071	1.0 (0.5-2.0)	968	1.5 (0.8-2.7)	1.3 (1.1-1.4)
• Hookah use in the last 2 years	1119	8.6 (7.0-10.7)	1078	9.1 (7.3-11.2)	1070	10.6 (8.5-13.0)	960	9.5 (7.5-12.0)	4.7 (4.4-5.1)
• Heavy drinking (≥8 drinks a week) during the 3 months before pregnancy	1128	2.1 (1.4-3.2)	1078	4.1 (2.9-5.7)	1074	2.6 (1.7-4.0)	965	2.9 (2.0-4.3)	2.9 (2.6-3.2)
Intimate Partner Violence (IPV)[×]									
• Experienced IPV during the 12 months before pregnancy by a husband or partner and/or an ex-husband or partner	1129	1.8 (1.1-2.9)	1080	2.7 (1.8-4.1)	1072	2.1 (1.3-3.4)	968	2.3 (1.4-3.7)	3.0 (2.8-3.3)
• Experienced IPV during pregnancy by a husband or partner and/or an ex-husband or partner	1129	0.7 (0.3-1.4)	1082	1.2 (0.7-2.1)	1072	1.3 (0.7-2.5)	965	1.8 (0.9-3.3)	2.0 (1.8-2.2)
Depression									
• Self-reported depression in the 3 months before pregnancy	1139	14.6 (12.5-17.0)	1096	14.9 (12.6-17.5)	1095	12.6 (10.6-15.1)	984	14.7 (12.4-17.4)	15.1 (14.5-15.7)
• Self-reported depression during pregnancy	1128	13.9 (11.8-16.2)	1078	15.9 (13.5-18.6)	1068	13.2 (11.1-15.8)	965	14.9 (12.5-17.7)	14.8 (14.2-15.4)
• Self-reported postpartum depressive symptoms ^{**}	1115	12.6 (10.7-14.9)	1082	13.6 (11.4-16.2)	1061	12.3 (10.1-14.8)	959	11.5 (9.4-14.0)	13.4 (12.9-14.0)
Health Care Services									
• Health care visit in the 12 months before pregnancy	1140	71.6 (68.6-74.4)	1090	72.6 (69.5-75.5)	1093	72.8 (69.6-75.7)	981	69.8 (66.5-73.0)	68.0 (67.2-68.7)
• Began prenatal care in 1st trimester	1128	90.9 (88.8-92.6)	1084	90.7 (88.5-92.6)	1081	90.7 (88.5-92.6)	966	94.1 (92.2-95.6)	87.7 (87.2-88.3)
• Had a flu shot in the 12 months before birth	1126	75.5 (72.6-78.1)	1079	75.4 (72.4-78.3)	1068	74.5 (71.3-77.4)	960	82.1 (79.1-84.8)	60.8 (60.1-61.6)
• Had maternal postpartum checkup	1127	95.2 (93.7-96.4)	1082	92.5 (90.4-94.2)	1070	95.5 (93.7-96.7)	967	94.2 (92.2-95.8)	90.7 (90.3-91.2)
Pregnancy Intention									
• Mistimed	1134	16.9 (14.6-19.4)	1087	16.5 (14.1-19.3)	1088	16.1 (13.7-18.9)	973	19.0 (16.3-22.0)	19.3 (18.7-19.9)
• Unwanted pregnancy	1134	4.8 (3.6-6.4)	1087	6.3 (4.8-8.3)	1088	5.6 (4.3-7.4)	973	5.0 (3.7-6.8)	6.5 (6.2-6.9)
• Unsure whether wanted pregnancy	1134	16.9 (14.6-19.4)	1087	13.2 (11.0-15.7)	1088	14.2 (11.9-16.8)	973	16.6 (14.0-19.6)	15.7 (15.1-16.2)
• Intended pregnancy	1134	61.4 (58.2-64.4)	1087	63.9 (60.6-67.2)	1088	64.0 (60.6-67.3)	973	59.4 (55.9-62.9)	58.5 (57.7-59.3)

Health Indicator	2016		2017		2018		2019		Overall 2019 [§]
	N [#]	% (95% CI) [¶]	N [#]	% (95% CI) [¶]	N [#]	% (95% CI) [¶]	N [#]	% (95% CI) [¶]	% (95% CI) [¶]
Postpartum^{††} Family Planning									
• Use of any postpartum contraception ^{†††}	1108	83.1 (80.6-85.4)	1069	80.8 (78.0-83.4)	1056	82.4 (79.6-84.9)	953	81.8 (78.9-84.4)	76.4 (75.7-77.0)
• Highly effective contraceptive methods									
• Male or female sterilization	1108	14.3 (12.2-16.7)	1069	9.8 (7.9-12.0)	1056	11.3 (9.4-13.7)	953	14.5 (12.2-17.1)	11.5 (11.0-12.0)
• Long acting reversible contraceptive method ^{§§}	1108	25.0 (22.3-27.9)	1069	25.2 (22.4-28.2)	1056	24.5 (21.6-27.7)	953	22.8 (19.9-26.0)	17.3 (16.7-17.9)
• Moderately effective contraceptive methods ^{§§}	1108	24.7 (22.0-27.6)	1069	24.5 (21.7-27.5)	1056	25.8 (22.9-29.0)	953	25.0 (22.0-28.3)	24.6 (23.9-25.3)
• Least effective contraceptive methods ^{§§}	1108	19.2 (16.8-21.8)	1069	21.4 (18.8-24.3)	1056	20.7 (18.1-23.6)	953	19.5 (16.9-22.5)	23.0 (22.4-23.7)
Oral Health									
• Teeth cleaned during pregnancy by a dentist or dental hygienist	1131	56.6 (53.4-59.7)	1093	57.7 (54.4-61.0)	1079	55.6 (52.2-59.0)	978	57.6 (54.0-61.0)	45.9 (45.1-46.7)
Health Insurance Status One Month Before Pregnancy^{¶¶}									
• Private insurance	1070	68.4 (65.2-71.4)	1020	66.2 (62.8-69.4)	1053	64.0 (60.5-67.3)	921	64.7 (61.0-68.1)	62.7 (62.0-63.5)
• Medicaid	1070	20.1 (17.6-22.9)	1020	23.7 (20.8-26.9)	1053	28.1 (25.0-31.4)	921	28.3 (25.1-31.8)	22.6 (22.0-23.3)
• No insurance	1070	11.5 (9.6-13.8)	1020	10.1 (8.3-12.4)	1053	7.9 (6.2-10.0)	921	7.0 (5.3-9.2)	13.8 (13.2-14.4)
Health Insurance Status for Prenatal Care^{¶¶}									
• Private insurance	1024	70.1 (67.0-73.1)	994	66.3 (62.8-69.5)	1041	63.0 (59.5-66.3)	897	61.3 (57.6-64.9)	59.8 (59.1-60.6)
• Medicaid	1024	29.4 (26.4-32.5)	994	33.4 (30.1-36.8)	1041	36.4 (33.0-39.9)	897	38.3 (34.7-42.0)	36.2 (35.5-37.0)
• No insurance	1024	0.5 (0.2-1.3)	994	0.3 (0.1-1.1)	1041	0.7 (0.3-1.6)	897	0.3 (0.1-1.2)	2.8 (2.5-3.1)
Health Insurance Status Postpartum^{††¶¶}									
• Private insurance	1047	65.3 (62.1-68.4)	998	65.6 (62.2-68.9)	1046	59.1 (55.5-62.5)	914	60.9 (57.2-64.5)	57.7 (56.9-58.4)
• Medicaid	1047	27.9 (25.0-31.0)	998	30.2 (27.0-33.6)	1046	37.5 (34.1-41.0)	914	35.4 (31.9-39.0)	29.9 (29.2-30.6)
• No insurance	1047	6.8 (5.3-8.7)	998	4.1 (3.0-5.7)	1046	3.5 (2.4-5.0)	914	3.7 (2.5-5.4)	11.5 (11.0-12.0)
Infant Sleep Practices									
• Baby most often laid on back to sleep	1095	81.8 (79.2-84.2)	1051	82.6 (79.8-85.1)	1043	82.0 (79.1-84.5)	950	83.4 (80.6-85.9)	79.6 (78.9-80.2)
Breastfeeding Practices									
• Ever breastfed	1105	87.7 (85.4-89.6)	1065	88.8 (86.3-91.0)	1052	89.9 (87.5-91.9)	952	90.2 (87.8-92.2)	87.9 (87.4-88.4)
• Any breastfeeding at 8 weeks	1099	65.2 (62.1-68.3)	1060	65.7 (62.3-68.9)	1046	66.7 (63.4-70.0)	942	69.1 (65.6-72.3)	67.7 (67.0-68.4)

[§]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.

[#]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”

^{††}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.

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

^{§§}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.