



Prevalence of Selected Maternal and Child Health Indicators for West Virginia, Pregnancy Risk Assessment Monitoring System (PRAMS), 2016–2020

Health Indicator	2016		2017		2018		2019 [±]		2020		Overall 2020
	N [#]	% (95% CI) [¶]	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	798	31.9 (28.2-35.9)	697	34.2 (30.1-38.5)	686	36.4 (32.2-40.8)			598	44.2 (39.4-49.1)	43.6 (42.9-44.4)
Pre-pregnancy Weight											
• Underweight (body mass index [BMI] <18.5 kg/m ²)	785	3.2 (2.1-5.0)	683	3.3 (2.1-5.0)	674	3.6 (2.3-5.5)			590	2.5 (1.3-4.6)	3.2 (2.9-3.5)
• Overweight (BMI 25–29.9 kg/m ²)	785	23.7 (20.3-27.5)	683	24.4 (20.8-28.4)	674	23.4 (19.7-27.5)			590	27.6 (23.4-32.2)	26.1 (25.5-26.8)
• Obese (BMI ≥30 kg/m ²)	785	30.8 (27.1-34.8)	683	30.7 (26.8-35.0)	674	33.6 (29.5-37.9)			590	29.5 (25.2-34.2)	27.7 (27.0-28.4)
Substance Use											
• Any cigarette smoking											
• During the 3 months before pregnancy	783	34.3 (30.5-38.3)	676	31.2 (27.2-35.4)	676	34.8 (30.6-39.2)			594	26.2 (22.2-30.7)	14.0 (13.4-14.5)
• During the last 3 months of pregnancy	782	22.8 (19.6-26.4)	677	18.6 (15.4-22.2)	677	24.9 (21.2-29.0)			592	18.3 (14.9-22.4)	6.5 (6.2-6.9)
• Postpartum	782	27.4 (23.8-31.2)	670	23.9 (20.3-27.9)	675	27.8 (24.0-32.0)			594	21.2 (17.5-25.5)	8.8 (8.3-9.2)
• Any e-cigarette use											
• During the 3 months before pregnancy	781	8.1 (6.1-10.7)	675	5.7 (4.0-8.1)	676	5.7 (4.0-8.2)			592	7.1 (4.9-10.1)	5.2 (4.9-5.6)
• During the last 3 months of pregnancy	781	4.1 (2.7-6.0)	674	2.2 (1.2-3.7)	678	1.9 (1.0-3.6)			592	3.0 (1.7-5.2)	1.5 (1.3-1.7)
• Hookah use in the last 2 years	780	1.8 (1.0-3.3)	667	2.1 (1.1-3.9)	674	1.5 (0.7-2.9)			590	0.3 (0.1-1.8)	4.4 (4.1-4.8)
• Heavy drinking (≥8 drinks a week) during the 3 months before pregnancy	784	1.2 (0.6-2.6)	666	0.8 (0.3-2.1)	676	1.0 (0.4-2.5)			591	1.6 (0.7-3.4)	3.0 (2.8-3.3)
Intimate Partner Violence (IPV)[‡]											
• Experienced IPV during the 12 months before pregnancy by a husband or partner and/or by an ex-husband or ex-partner	796	4.4 (3.0-6.5)	690	4.4 (2.9-6.6)	683	5.4 (3.7-7.9)			595	2.3 (1.3-4.2)	2.5 (2.3-2.8)
• Experienced IPV during pregnancy by a husband or partner and/or by an ex-husband or ex-partner	797	2.5 (1.5-4.3)	690	1.7 (0.9-3.1)	682	4.3 (2.7-6.7)			595	1.3 (0.6-3.0)	1.7 (1.5-1.9)
Depression											
• Self-reported depression in the 3 months before pregnancy	792	22.3 (19.0-25.9)	694	21.7 (18.3-25.6)	684	23.1 (19.6-27.1)			597	25.5 (21.5-30.0)	15.5 (15.0-16.1)
• Self-reported depression during pregnancy	790	16.8 (13.9-20.2)	692	18.6 (15.4-22.2)	682	18.2 (15.0-21.8)			596	23.0 (19.2-27.4)	15.2 (14.7-15.8)
• Self-reported postpartum depressive symptoms**	792	16.5 (13.6-19.8)	673	12.4 (9.8-15.6)	681	19.4 (16.1-23.2)			587	16.0 (12.7-20.0)	13.4 (12.9-13.9)
Health Care Services											
• Health care visit in the 12 months before pregnancy	792	58.4 (54.2-62.4)	689	60.8 (56.3-65.1)	673	57.1 (52.6-61.5)			590	61.3 (56.4-65.9)	66.0 (65.3-66.8)
• Began prenatal care in 1st trimester	786	87.4 (84.4-89.9)	673	88.6 (85.4-91.2)	661	85.5 (81.8-88.5)			586	90.3 (87.0-92.9)	87.1 (86.5-87.6)
• Had a flu shot in the 12 months before delivery	782	54.6 (50.3-58.7)	687	51.6 (47.2-56.0)	675	56.9 (52.4-61.2)			590	64.8 (60.0-69.4)	60.9 (60.1-61.7)
• Had maternal postpartum checkup	794	87.5 (84.5-89.9)	680	88.1 (84.9-90.7)	680	87.2 (84.0-89.9)			591	88.9 (85.5-91.6)	88.1 (87.6-88.6)
Pregnancy Intention											
• Mistimed	797	14.6 (11.9-17.7)	685	17.0 (13.9-20.5)	684	17.6 (14.4-21.3)			591	13.4 (10.3-17.1)	17.7 (17.2-18.4)
• Unwanted pregnancy	797	4.7 (3.3-6.7)	685	8.7 (6.4-11.6)	684	5.2 (3.6-7.5)			591	4.5 (2.9-7.0)	6.3 (6.0-6.7)
• Unsure whether wanted pregnancy	797	20.9 (17.7-24.5)	685	19.4 (16.2-23.1)	684	21.0 (17.6-24.8)			591	18.5 (15.0-22.7)	15.5 (15.0-16.1)
• Intended pregnancy	797	59.8 (55.7-63.9)	685	55.0 (50.5-59.3)	684	56.2 (51.8-60.6)			591	63.6 (58.7-68.2)	60.4 (59.6-61.1)

Health Indicator	2016		2017		2018		2019 [‡]		2020		Overall 2020
	N [#]	% (95% CI) [¶]	N [#]	% (95% CI) [¶]	N [#]	% (95% CI) [¶]	N [#]	% (95% CI) [¶]	N [#]	% (95% CI) [¶]	% (95% CI) [¶]
Postpartum⁺⁺ Family Planning											
• Use of any postpartum contraception ⁺⁺⁺	779	80.7 (77.1-83.8)	663	83.9 (80.4-86.8)	673	75.5 (71.4-79.1)			581	83.3 (79.3-86.7)	74.5 (73.9-75.2)
• Highly effective contraceptive methods											
• Male or female sterilization	779	17.2 (14.2-20.5)	663	16.3 (13.2-19.9)	673	17.4 (14.3-21.1)			581	11.9 (9.1-15.5)	10.9 (10.4-11.4)
• Long-acting reversible contraceptive method ^{§§}	779	14.6 (11.9-17.9)	663	11.9 (9.2-15.1)	673	15.2 (12.2-18.7)			581	11.3 (8.5-14.8)	16.7 (16.1-17.3)
• Moderately effective contraceptive methods ^{§§}	779	31.1 (27.3-35.2)	663	36.7 (32.5-41.2)	673	29.0 (25.1-33.3)			581	45.9 (41.0-50.9)	24.5 (23.9-25.2)
• Least effective contraceptive methods ^{§§}	779	17.8 (14.7-21.2)	663	19.0 (15.8-22.8)	673	13.9 (11.1-17.3)			581	14.2 (11.1-18.0)	22.4 (21.8-23.1)
Oral Health											
• Teeth cleaned during pregnancy by a dentist or dental hygienist	792	31.1 (27.3-35.1)	684	35.6 (31.5-39.9)	684	36.0 (31.8-40.3)			595	28.0 (23.8-32.6)	40.0 (39.3-40.8)
Health Insurance Status One Month Before Pregnancy^{¶¶}											
• Private insurance	784	50.7 (46.5-54.9)	673	50.2 (45.8-54.7)	669	49.3 (44.8-53.8)			588	48.1 (43.2-53.0)	61.8 (61.0-62.5)
• Medicaid	784	39.8 (35.8-44.0)	673	42.8 (38.4-47.3)	669	40.6 (36.2-45.1)			588	44.3 (39.5-49.2)	23.5 (22.9-24.1)
• No insurance	784	9.2 (7.1-11.9)	673	6.7 (4.8-9.2)	669	9.5 (7.1-12.5)			588	7.0 (4.8-10.0)	14.0 (13.4-14.5)
Health Insurance Status for Prenatal Care^{¶¶}											
• Private insurance	757	47.3 (43.1-51.6)	650	47.6 (43.0-52.1)	641	45.3 (40.7-49.9)			576	47.2 (42.3-52.2)	59.6 (58.8-60.3)
• Medicaid	757	51.0 (46.7-55.2)	650	51.6 (47.1-56.2)	641	52.4 (47.8-57.0)			576	51.3 (46.3-56.3)	36.6 (35.8-37.3)
• No insurance	757	0.4 (0.1-1.6)	650	0.2 (0.0-1.3)	641	1.2 (0.5-3.0)			576	0.6 (0.2-2.2)	2.8 (2.5-3.1)
Health Insurance Status Postpartum^{++¶¶}											
• Private insurance	782	44.7 (40.6-48.9)	662	45.3 (40.9-49.8)	654	44.1 (39.6-48.7)			591	41.3 (36.5-46.2)	56.4 (55.6-57.2)
• Medicaid	782	48.6 (44.4-52.8)	662	50.2 (45.7-54.7)	654	49.8 (45.3-54.4)			591	57.0 (52.0-61.8)	35.4 (34.7-36.1)
• No insurance	782	6.7 (4.9-9.1)	662	4.0 (2.5-6.1)	654	5.2 (3.5-7.7)			591	1.4 (0.6-3.3)	7.2 (6.8-7.7)
Infant Sleep Practices											
• Baby most often laid on back to sleep	757	83.4 (80.0-86.3)	652	86.5 (83.1-89.4)	654	82.0 (78.2-85.2)			564	89.2 (85.7-92.0)	79.5 (78.9-80.2)
Breastfeeding Practices											
• Ever breastfed	756	75.0 (71.2-78.4)	661	72.4 (68.1-76.3)	656	72.4 (68.2-76.2)			570	71.2 (66.5-75.4)	87.9 (87.3-88.4)
• Any breastfeeding at 8 weeks	747	47.3 (43.1-51.6)	651	47.5 (43.0-52.0)	652	48.2 (43.7-52.7)			564	47.1 (42.2-52.1)	68.5 (67.8-69.3)

[‡] Did not meet the required 50% response rate threshold in 2019.

^{||} PRAMS sites aggregated for 2020: Alabama, Alaska, Arizona, 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, North Dakota, Oregon, Pennsylvania, Puerto Rico, South Dakota, Tennessee, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and Wyoming that met the required 50% response rate threshold for inclusion.

[#] Unweighted sample size.

[¶] Weighted percentage (95% confidence interval [CI]).

[‡] Defined as being pushed, hit, slapped, kicked, choked, or physically hurt in any way by a husband or partner and/or by an ex-husband or ex-partner. In 2016 (Phase 8 questionnaire), 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 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 or natural family planning, withdrawal).

^{§§} Long-acting reversible contraception (LARC) methods include 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 or natural family planning, and withdrawal. Women who selected the “other” write-in option were excluded from the analysis.

^{¶¶} Insurance coded as Medicaid (Medicaid or state-named Medicaid program), Private (private only, any other insurance in combination with private, or TRICARE or other military insurance), or No insurance (no insurance or Indian Health Service (IHS) only; in Alaska, coverage by the Alaska Tribal Health System was part of the IHS response option). Other state-specific government plans or programs, such as the Children’s Health Insurance Program (CHIP) or State Children’s Health Insurance Program (SCHIP), were excluded from estimates.