

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



Health Indicator	Tennessee 2016			United States 2016 <sup>1</sup>	Tennessee 2017			United States 2017 <sup>2</sup>
	N <sup>*</sup>	% <sup>#</sup>	95% CI	% <sup>#</sup>	N <sup>*</sup>	% <sup>#</sup>	95% CI	% <sup>#</sup>
<b>Nutrition</b>								
Multivitamin use 4+ days a week during the month before pregnancy	27,636	36.93	(32.48 - 41.37)	40.8	26,923	34.72	(30.80 - 38.64)	40.4
Dieting during the 12 months before pregnancy	23,211	29.72	(25.54 - 33.90)	**	21,815	27.99	(24.20 - 31.78)	**
Exercising 3+ days a week during the 12 months before pregnancy	32,916	42.09	(37.64 - 46.54)	**	32,390	41.47	(37.31 - 45.62)	**
<b>Pre-Pregnancy Weight</b>								
Underweight (BMI < 18.5 kg/m <sup>2</sup> )	3,419	4.73	(2.54 - 6.97)	3.5	3,228	4.41	(2.77 - 6.06)	3.7
Overweight (BMI 25-29.9 kg/m <sup>2</sup> )	19,074	26.41	(22.20 - 30.62)	25.5	18,408	25.15	(21.32 - 28.98)	25.6
Obese (BMI ≥ 30 kg/m <sup>2</sup> )	19,042	26.36	(22.38 - 30.34)	23.3	20,525	28.05	(24.17 - 31.92)	25.3
<b>Substance Abuse<sup>3</sup></b>								
Any cigarette smoking during the 3 months before pregnancy	18,390	23.81	(19.88 - 27.74)	17.2	16,180	21.09	(17.62 - 24.56)	17.6
Any cigarette smoking during the last 3 months of pregnancy	10,547	13.64	(10.56 - 16.72)	7.7	9,351	12.13	(9.33 - 14.93)	8.1
Any cigarette smoking postpartum	13,696	17.70	(14.25 - 21.16)	11.1	13,233	17.19	(13.94 - 20.43)	11.7
Hookah use in the last 2 years	3,603	4.87	(2.77 - 6.97)	5.1	4,910	6.51	(4.15 - 8.87)	4.8
Any E-cigarette use, 3 months before pregnancy	5,313	6.97	(4.65 - 9.29)	**	4,664	6.06	(3.94 - 8.17)	**
Any E-Cigarette use, Last 3 months of pregnancy	1,604	2.10	(0.81 - 3.40)	**	1,514	1.97	(0.57 - 3.36)	**
Any alcohol use during the 3 months <i>before</i> pregnancy	40,199	53.07	(48.54 - 57.60)	56.5	40,200	52.34	(48.11 - 56.56)	56.6
Any alcohol use during the <i>last</i> 3 months of pregnancy	5,130	6.78	(4.55 - 9.01)	**	6,785	8.79	(6.26 - 11.32)	**
<b>Intimate Partner Violence (IPV)<sup>4</sup></b>								
Experienced <i>any</i> IPV during the 12 months <i>before</i> pregnancy (by current or ex-husband/partner)	2804	3.77	(2.13 - 5.41)	2.9	2595	3.49	(1.88 - 5.09)	3.0
By Current Husband or Partner only	1,615	2.16	(0.92 - 3.39)	**	1,895	2.52	(1.07 - 3.97)	**
By Ex-husband or partner only	1,820	2.44	(1.15 - 3.73)	**	1,789	2.39	(1.04 - 3.75)	**
Experienced <i>any</i> IPV during the <i>during</i> pregnancy (by current or ex-husband/partner)	2037	2.76	(1.37 - 4.15)	2.0	1428	1.93	(0.84 - 3.01)	2.2
By Current Husband or Partner only	1,316	1.77	(0.64 - 2.89)	**	823	1.10	(0.30 - 1.90)	**
By Ex-husband or partner only	919	1.25	(0.41 - 2.08)	**	1,179	1.58	(0.58 - 2.58)	**
<b>Depression</b>								
Experienced Post-partum depressive symptoms	14,840	19.81	(16.08 - 23.54)	12.9	12,595	16.45	(13.22 - 19.68)	12.5
<b>Health Care Services</b>								
Had health care visit in 12 months before pregnancy	54,326	72.00	(67.84 - 76.16)	**	52,162	66.95	(62.96 - 70.95)	**
Began prenatal care in 1st trimester	61,855	84.68	(81.25 - 88.10)	86.0	66,789	87.82	(84.97 - 90.67)	86.9
Had flu shot before or during pregnancy	43,751	58.63	(54.13 - 63.13)	60.0	42,662	55.91	(51.69 - 60.13)	58.9
Had maternal postpartum checkup	67,890	88.89	(85.93 - 91.85)	89.4	71,241	92.67	(90.34 - 94.99)	90.3

Pregnancy Intention and Family Planning	Tennessee 2016			United States 2016 <sup>1</sup>	Tennessee 2017			United States 2017 <sup>2</sup>
	N*	% <sup>#</sup>	95% CI	% <sup>#</sup>	N*	% <sup>#</sup>	95% CI	% <sup>#</sup>
Mistimed Pregnancy	18,722	24.73	(20.76 - 28.71)	19.5	17,340	22.58	(19.07 - 26.08)	19.5
Unwanted Pregnancy	6,276	8.29	(5.98 - 10.60)	6.3	7,534	9.81	(7.15 - 12.46)	6.1
Unsure about pregnancy	13,308	17.58	(14.21 - 20.95)	15.0	14,691	19.13	(15.73 - 22.53)	15.5
Intended pregnancy	37,373	49.38	(44.80 - 53.95)	59.2	37,244	48.49	(44.27 - 52.71)	58.9
Any Postpartum Contraceptive Use <sup>5</sup>	62121	81.99	(78.46 - 85.52)	77.6	62408	80.66	(77.24 - 84.08)	77.2
Highly Effective Method	23379	31.28	(27.01 - 35.55)	**	21856	28.49	(24.71 - 32.28)	**
Moderately Effective Method	23549	31.51	(27.17 - 35.84)	**	22657	29.54	(25.69 - 33.39)	**
Least Effective Method	14165	18.95	(15.51 - 22.40)	**	17224	22.45	(16.07 - 22.96)	**
<b>Oral Health</b>								
Teeth cleaned during pregnancy	31,097	40.71	(36.26 - 45.16)	44.6	30,211	38.89	(34.80 - 42.98)	46.3
<b>Pre-Pregnancy Health Insurance Status<sup>6</sup></b>								
Private insurance	42,275	58.6711	(54.00 - 63.34)	62.2	43,445	57.75	(53.49 - 62.00)	63.0
Medicaid (public)	18,895	26.2236	(22.04 - 30.40)	19.1	19,543	25.98	(22.13 - 29.83)	23.0
None	10,884	15.1053	(11.58 - 18.63)	16.2	12,245	16.28	(13.10 - 19.45)	13.2
<b>Insurance Status for Prenatal Care During Pregnancy</b>								
Private insurance	36,102	58.37	(53.37 - 63.38)	59.7	36,927	59.71	(55.002 - 64.41)	60.7
Medicaid	24,636	39.83	(34.87 - 44.80)	30.7	23,756	38.41	(33.74 - 43.08)	35.6
None	1,109	1.7935	(0.22 - 3.37)	2.0	1,166	1.89	(0.46 - 3.31)	2.6
<b>Postpartum Health Insurance Status</b>								
Private insurance	38,353	51.6324	(47.00 - 56.26)	57.9	39,552	52.18	(47.92 - 56.44)	58.5
Medicaid	29,267	39.4	(34.85 - 43.95)	24.9	29,430	38.83	(34.60 - 43.05)	29.6
None	6,661	8.9675	(6.19 - 11.74)	14.6	6,819	9.00	(6.74 - 11.25)	10.8
<b>Infant Sleep Practices</b>								
Baby most often laid on back to sleep	59,441	79.35	(75.57 - 83.12)	78.0	59,826	78.49	(74.85 - 82.14)	79.5
<b>Breastfeeding Practices</b>								
Baby ever breastfed	63,357	84.31	(80.933 - 87.69)	87.8	65,265	85.72	(82.56 - 88.89)	87.6
Any breastfeeding at 8 weeks	42,219	68.32	(63.61 - 73.03)	67.3	45,884	70.95	(66.77 - 75.12)	67.6

**Note:** Tennessee is not included in any of the United States estimates because it did not meet the CDC's required response rate threshold.

1.) *PRAMS site aggregate for 2016:* Alaska, Arkansas, Colorado, Connecticut, Delaware, Hawaii, Illinois, Iowa, Louisiana, Maine, Maryland, Massachusetts, Michigan, Missouri, Nebraska, New Hampshire, New Jersey, New Mexico, New York City, New York State, Oklahoma, Pennsylvania, Rhode Island, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and Wyoming met the required 55% response rate threshold for inclusion.

2.) *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.

3.) Substance use estimates are among all moms.

4.) **Intimate Partner Violence:** 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.

Beginning 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". For this report, TN PRAMS data has been calculated to reflect this change.

5.) **Post-partum contraceptive use:** Defined as using any kind of birth control at the time when the PRAMS survey was completed. Women who selected the "other" write-in option were excluded from the analysis.

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.

6.) **Insurance:** other state-specific government plans or programs such as SCHIP/CHIP are excluded from estimates. Those selecting "other" types were excluded.

"Private" includes private only, any other insurance in combination with private, TRICARE, or other military-type insurance.

"Medicaid" includes Medicaid or other state-named Medicaid program (e.g., TennCare).

"None" is defined as no selected insurance or selecting only Indian Health Service (IHS).

N\* = Weighted sample size

%<sup>#</sup> = Weighted percent

\*\* = Data not available

