



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

Health Indicator	2016		2017		2018		2019		2020		Overall 2020 ^{II}
	N [#]	% (95% CI) ^{II}	N [#]	% (95% CI) ^{II}	N [#]	% (95% CI) ^{II}	N [#]	% (95% CI) ^{II}	N [#]	% (95% CI) ^{II}	% (95% CI) ^{II}
Nutrition											
• Multivitamin use ≥4 times a week during the month before pregnancy	1419	39.0 (36.3-41.7)	1286	39.3 (36.4-42.2)	1519	41.5 (38.6-44.5)	1255	41.3 (38.2-44.4)	1197	42.3 (39.1-45.5)	43.6 (42.9-44.4)
Pre-pregnancy Weight											
• Underweight (body mass index [BMI] <18.5 kg/m ²)	1286	4.9 (3.8-6.4)	1154	5.6 (4.3-7.3)	1393	4.9 (3.7-6.4)	1147	4.9 (3.6-6.6)	1052	5.5 (4.1-7.4)	3.2 (2.9-3.5)
• Overweight (BMI 25–29.9 kg/m ²)	1286	24.7 (22.2-27.3)	1154	24.6 (22.0-27.4)	1393	26.2 (23.5-29.1)	1147	23.0 (20.3-25.9)	1052	24.2 (21.3-27.3)	26.1 (25.5-26.8)
• Obese (BMI ≥30 kg/m ²)	1286	16.8 (14.7-19.1)	1154	16.9 (14.7-19.3)	1393	18.1 (15.8-20.7)	1147	21.4 (18.8-24.3)	1052	18.2 (15.6-21.1)	27.7 (27.0-28.4)
Substance Use											
• Any cigarette smoking											
• During the 3 months before pregnancy	1417	9.2 (7.7-11.0)	1265	7.6 (6.2-9.4)	1495	4.3 (3.2-5.7)	1229	5.9 (4.6-7.5)	1180	3.6 (2.6-5.1)	14.0 (13.4-14.5)
• During the last 3 months of pregnancy	1416	1.8 (1.2-2.7)	1265	1.7 (1.1-2.7)	1498	0.7 (0.4-1.3)	1228	1.4 (0.8-2.5)	1183	0.8 (0.4-1.6)	6.5 (6.2-6.9)
• Postpartum	1416	4.7 (3.6-6.0)	1265	4.3 (3.2-5.7)	1499	1.9 (1.3-2.9)	1229	2.6 (1.7-3.8)	1183	1.3 (0.8-2.3)	8.8 (8.3-9.2)
• Any e-cigarette use											
• During the 3 months before pregnancy	1400	1.5 (1.0-2.4)	1254	1.1 (0.6-1.8)	1497	1.2 (0.7-2.1)	1214	2.0 (1.3-3.1)	1178	1.6 (1.0-2.6)	5.2 (4.9-5.6)
• During the last 3 months of pregnancy	1401	0.3 (0.1-0.9)	1254	0.2 (0.1-0.8)	1497	0.1 (0.0-0.4)	1216	0.5 (0.2-1.2)	1178	0.3 (0.1-0.9)	1.5 (1.3-1.7)
• Hookah use in the last 2 years	1397	10.4 (8.8-12.3)	1247	8.0 (6.5-9.8)	1484	9.1 (7.5-11.0)	1206	9.0 (7.3-11.1)	1173	7.6 (6.1-9.5)	4.4 (4.1-4.8)
• Heavy drinking (≥8 drinks a week) during the 3 months before pregnancy	1405	2.7 (1.9-3.7)	1241	2.4 (1.6-3.5)	1488	1.7 (1.1-2.6)	1212	2.6 (1.8-3.7)	1175	2.3 (1.5-3.4)	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	1377	2.0 (1.3-3.0)	1233	2.1 (1.4-3.2)	1486	1.8 (1.1-2.8)	1214	1.7 (1.0-2.9)	1156	2.5 (1.6-3.8)	2.5 (2.3-2.8)
• Experienced IPV during pregnancy by a husband or partner and/or by an ex-husband or ex-partner	1368	1.3 (0.7-2.1)	1228	1.5 (0.9-2.4)	1480	1.6 (0.9-2.6)	1208	1.2 (0.7-2.2)	1149	1.8 (1.0-3.0)	1.7 (1.5-1.9)
Depression											
• Self-reported depression in the 3 months before pregnancy	1407	8.6 (7.1-10.3)	1260	5.8 (4.5-7.3)	1500	7.1 (5.7-8.8)	1239	6.1 (4.8-7.8)	1171	4.8 (3.6-6.4)	15.5 (15.0-16.1)
• Self-reported depression during pregnancy	1390	6.8 (5.5-8.4)	1236	5.6 (4.4-7.2)	1470	7.8 (6.2-9.7)	1202	7.1 (5.6-9.0)	1159	6.8 (5.3-8.7)	15.2 (14.7-15.8)
• Self-reported postpartum depressive symptoms ^{**}	1373	14.5 (12.6-16.7)	1234	13.3 (11.4-15.5)	1469	15.5 (13.4-17.8)	1217	12.5 (10.6-14.8)	1166	10.0 (8.2-12.1)	13.4 (12.9-13.9)
Health Care Services											
• Health care visit in the 12 months before pregnancy	1385	62.3 (59.5-65.0)	1252	64.8 (61.9-67.6)	1496	68.0 (65.1-70.8)	1238	64.6 (61.4-67.6)	1182	59.0 (55.6-62.2)	66.0 (65.3-66.8)
• Began prenatal care in 1st trimester	1375	84.2 (81.9-86.2)	1238	84.5 (82.2-86.7)	1480	85.5 (83.1-87.7)	1216	86.1 (83.6-88.3)	1162	84.3 (81.6-86.6)	87.1 (86.5-87.6)
• Had a flu shot in the 12 months before delivery	1371	56.3 (53.5-59.1)	1220	59.7 (56.7-62.7)	1450	60.1 (57.1-63.1)	1195	64.3 (61.1-67.3)	1162	64.8 (61.5-67.9)	60.9 (60.1-61.7)
• Had maternal postpartum checkup	1388	87.6 (85.6-89.4)	1240	89.4 (87.3-91.1)	1474	88.3 (86.1-90.2)	1228	89.9 (87.7-91.8)	1177	83.6 (80.9-86.0)	88.1 (87.6-88.6)
Pregnancy Intention											
• Mistimed	1395	20.3 (18.1-22.7)	1256	19.9 (17.6-22.4)	1488	17.8 (15.6-20.3)	1226	17.3 (15.0-19.9)	1175	15.9 (13.6-18.5)	17.7 (17.2-18.4)
• Unwanted pregnancy	1395	4.5 (3.5-5.9)	1256	4.1 (3.0-5.5)	1488	3.9 (2.8-5.3)	1226	3.6 (2.6-5.0)	1175	5.0 (3.7-6.7)	6.3 (6.0-6.7)
• Unsure whether wanted pregnancy	1395	12.2 (10.4-14.2)	1256	13.9 (11.9-16.1)	1488	14.5 (12.5-16.8)	1226	13.3 (11.2-15.7)	1175	13.3 (11.2-15.7)	15.5 (15.0-16.1)
• Intended pregnancy	1395	63.0 (60.2-65.7)	1256	62.1 (59.2-65.0)	1488	63.8 (60.8-66.7)	1226	65.7 (62.6-68.7)	1175	65.8 (62.6-68.9)	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 ^{††††}	1352	67.1 (64.3-69.7)	1213	66.8 (63.9-69.6)	1451	67.2 (64.3-70.1)	1193	66.4 (63.3-69.4)	1133	65.5 (62.1-68.7)	74.5 (73.9-75.2)
• Highly effective contraceptive methods											
• Male or female sterilization	1352	6.9 (5.6-8.5)	1213	4.7 (3.6-6.2)	1451	5.0 (3.8-6.4)	1193	5.6 (4.3-7.3)	1133	5.0 (3.7-6.7)	10.9 (10.4-11.4)
• Long-acting reversible contraceptive method ^{§§}	1352	11.2 (9.5-13.1)	1213	15.5 (13.5-17.9)	1451	16.1 (13.9-18.5)	1193	14.8 (12.6-17.3)	1133	13.5 (11.3-16.0)	16.7 (16.1-17.3)
• Moderately effective contraceptive methods ^{§§}	1352	23.1 (20.8-25.6)	1213	21.2 (18.8-23.8)	1451	18.6 (16.3-21.1)	1193	20.7 (18.2-23.5)	1133	19.9 (17.3-22.7)	24.5 (23.9-25.2)
• Least effective contraceptive methods ^{§§}	1352	25.9 (23.5-28.4)	1213	25.3 (22.8-28.1)	1451	27.6 (24.9-30.4)	1193	25.3 (22.6-28.2)	1133	27.1 (24.2-30.2)	22.4 (21.8-23.1)
Oral Health											
• Teeth cleaned during pregnancy by a dentist or dental hygienist	1405	43.3 (40.5-46.1)	1269	42.9 (40.0-45.8)	1501	43.3 (40.3-46.3)	1239	42.4 (39.3-45.5)	1194	34.5 (31.4-37.7)	40.0 (39.3-40.8)
Health Insurance Status One Month Before Pregnancy^{¶¶}											
• Private insurance	1329	51.4 (48.5-54.3)	1200	53.4 (50.3-56.4)	1415	54.5 (51.4-57.6)	1157	56.3 (52.9-59.5)	1118	50.7 (47.3-54.1)	61.8 (61.0-62.5)
• Medicaid	1329	34.0 (31.3-36.9)	1200	33.6 (30.8-36.6)	1415	33.9 (31.0-37.0)	1157	33.2 (30.1-36.5)	1118	35.2 (32.0-38.6)	23.5 (22.9-24.1)
• No insurance	1329	12.8 (11.0-14.9)	1200	10.6 (8.9-12.7)	1415	10.0 (8.3-12.1)	1157	8.5 (6.8-10.7)	1118	11.5 (9.4-13.9)	14.0 (13.4-14.5)
Health Insurance Status for Prenatal Care^{¶¶}											
• Private insurance	1264	51.0 (48.1-54.0)	1130	53.3 (50.1-56.4)	1341	53.6 (50.4-56.8)	1118	52.6 (49.3-56.0)	1076	50.7 (47.3-54.2)	59.6 (58.8-60.3)
• Medicaid	1264	46.6 (43.6-49.5)	1130	43.6 (40.5-46.8)	1341	44.2 (41.0-47.4)	1118	45.6 (42.3-49.0)	1076	46.5 (43.0-50.0)	36.6 (35.8-37.3)
• No insurance	1264	0.4 (0.2-1.0)	1130	1.0 (0.5-1.8)	1341	0.4 (0.2-1.1)	1118	0.8 (0.4-1.6)	1076	1.0 (0.4-2.1)	2.8 (2.5-3.1)
Health Insurance Status Postpartum^{††¶¶}											
• Private insurance	1303	47.9 (45.0-50.8)	1176	49.3 (46.3-52.4)	1391	50.4 (47.3-53.6)	1156	51.7 (48.4-55.0)	1114	48.9 (45.5-52.3)	56.4 (55.6-57.2)
• Medicaid	1303	43.4 (40.5-46.3)	1176	40.3 (37.3-43.4)	1391	41.2 (38.1-44.4)	1156	40.1 (36.8-43.4)	1114	43.6 (40.2-47.0)	35.4 (34.7-36.1)
• No insurance	1303	6.3 (5.0-7.9)	1176	7.4 (6.0-9.2)	1391	6.6 (5.2-8.4)	1156	6.2 (4.8-8.0)	1114	4.6 (3.3-6.3)	7.2 (6.8-7.7)
Infant Sleep Practices											
• Baby most often laid on back to sleep	1362	69.2 (66.5-71.8)	1206	71.6 (68.7-74.2)	1453	68.6 (65.6-71.3)	1198	72.1 (69.0-75.0)	1137	71.0 (67.8-74.1)	79.5 (78.9-80.2)
Breastfeeding Practices											
• Ever breastfed	1386	89.8 (87.9-91.4)	1224	91.5 (89.6-93.0)	1478	92.0 (90.2-93.6)	1216	90.4 (88.3-92.2)	1163	91.8 (89.7-93.5)	87.9 (87.3-88.4)
• Any breastfeeding at 8 weeks	1378	71.5 (68.9-74.1)	1211	76.0 (73.3-78.5)	1466	74.0 (71.3-76.6)	1206	74.4 (71.4-77.1)	1156	76.7 (73.8-79.5)	68.5 (67.8-69.3)

¶ 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.