



OHIO PRAMS ANNUAL DATA SUMMARY 2006-2010

Center for Public Health Statistics and Informatics
The Ohio Department of Health

Updated January 2012

Ohio PRAMS Annual Data Summary, 2006-2010

Indicator	2006		2007		2008		2009		2010	
	%	(95% C.I.)	%	(95% C.I.)	%	(95% C.I.)	%	(95% C.I.)	%	(95% C.I.)
Maternal Demographics										
Age (years):										
Less than 20	11.7	(9.7 - 14.1)	10.9	(8.9 - 13.2)	12.5	(10.3 - 15.0)	10.0	(8.0-12.4)	10.2	(8.1 - 12.8)
20-24	24.9	(22.1 - 27.9)	26.5	(23.5 - 29.7)	23.5	(20.7 - 26.5)	24.4	(21.5-27.5)	25.4	(22.3 - 28.7)
25-34	50.6	(47.3 - 53.9)	51.7	(48.2 - 55.1)	51.8	(48.4 - 55.2)	53.7	(50.2-57.2)	51.4	(47.8 - 55.0)
35 or older	12.8	(10.8 - 15.0)	10.9	(9.0 - 13.2)	12.2	(10.2 - 14.6)	12.0	(9.9-14.4)	13.0	(10.8 - 15.5)
Hispanic Origin	3.2	(2.1 - 4.8)	3.1	(2.0 - 4.7)	4.4	(3.1 - 6.2)	2.9	(1.9-4.6)	4.2	(2.8 - 6.2)
Race:										
Black	15.6	(15.3 -15.9)	15.7	(15.2 - 16.2)	15.9	(15.7 - 16.2)	16.1	(15.7-16.4)	16.3	(15.7 - 16.8)
White	77.1	(75.1 - 78.9)	77.4	(75.4 - 79.4)	76.0	(73.9 - 77.9)	77.7	(75.8-79.5)	77.5	(75.5 - 79.4)
Other	7.3	(5.6 - 9.5)	6.9	(5.1 - 9.2)	8.1	(6.3 - 10.3)	6.3	(4.7-8.4)	6.3	(4.6 - 8.5)
Education (years completed):										
Less than twelve	17.4	(14.9 - 20.3)	19.2	(16.3 - 22.4)	19.0	(16.4 -22.0)	15.8	(13.3-18.6)	18.3	(15.4 - 21.6)
Twelve	28.1	(25.2 - 31.2)	26.3	(23.4 - 29.5)	26.3	(23.4 - 29.4)	25.1	(22.1-28.4)	24.1	(21.1 - 27.5)
More than twelve	54.5	(51.2 - 57.8)	54.5	(51.0 - 58.0)	54.7	(51.3 - 58.1)	59.1	(55.6-62.6)	57.6	(53.9 - 61.2)
Married	59.8	(56.6 - 62.9)	58.6	(55.2 - 61.8)	59.3	(56.0 - 62.5)	56.3	(52.8-59.7)	57.4	(53.8 - 60.9)
Had No Previous Live Births	40.7	(37.4 - 44.0)	41.2	(37.8 - 44.6)	41.1	(37.8 - 44.6)	35.0	(31.8-38.4)	40.4	(36.9 - 44.1)
Multiple Birth (surveyed pregnancy)	1.8	(1.3 - 2.5)	1.6	(1.1 - 2.2)	1.9	(1.4 - 2.8)	2.3	(1.6-3.2)	1.6	(1.2 - 2.1)

Source: Ohio Pregnancy Risk Assessment Monitoring System, Center for Public Health Statistics and Informatics, Ohio Department of Health. 2012.

** Sample size too small for meaningful analysis

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	%	(95% C.I.)	%	(95% C.I.)	%	(95% C.I.)	%	(95% C.I.)	%	(95% C.I.)
Preconception Period										
Health Coverage Before Pregnancy:										
Insurance from job							56.4	(52.9-59.8)	52.9	(49.3 - 56.5)
Medicaid	Not available		Not available		Not available		24.1	(21.3-27.2)	25.3	(22.3 - 28.5)
No Insurance							16.9	(14.2-19.8)	17.2	(14.5 - 20.4)
Discussed with Doctor How to Prepare for Healthy Pregnancy	29.3	(26.4 - 32.4)	27.0	(24.1 - 30.1)	26.0	(23.1 - 29.0)	27.8	(24.8-31.0)	31.8	(28.5 - 35.2)
Pre-pregnancy Maternal Body Mass Index (BMI):										
Underweight (<18.5)	7.1	(5.6 - 9.0)	7.5	(5.8 - 9.6)	6.3	(4.9 - 8.1)	7.3	(5.7-9.4)	8.2	(6.3 - 10.5)
Normal (18.5 - 24.9)	47.4	(44.1 - 50.8)	49.4	(46.0 - 52.9)	49.3	(45.8 - 52.7)	45.2	(41.7-48.7)	45.2	(41.6 - 48.9)
Overweight (25.0 - 29.9)	25.2	(22.4 - 28.2)	23.4	(20.6 - 26.4)	22.3	(19.6 - 25.3)	24.4	(21.5-27.5)	22.3	(19.4 - 25.6)
Obese (≥ 30.0)	20.3	(17.8 - 23.1)	19.7	(17.2 - 22.6)	22.1	(19.4 - 25.0)	23.1	(20.3-26.3)	24.3	(21.3 - 27.5)
Pre-pregnancy Multivitamin Use:										
None	58.2	(54.9 - 61.4)	53.9	(50.4 - 57.3)	58.8	(55.4 - 62.1)	58.4	(54.9-61.8)	54.1	(50.5 - 57.7)
1 - 3 times per week	7.4	(5.9 - 9.2)	9.1	(7.3 - 11.3)	9.1	(7.3 - 11.2)	7.2	(5.6-9.2)	6.7	(5.2 - 8.7)
4 - 6 times per week	6.1	(4.7 - 8.0)	6.2	(4.8 - 8.1)	5.5	(4.1 - 7.3)	6.2	(4.7-8.1)	6.9	(5.2 - 9.0)
Daily	28.3	(25.4 - 31.4)	30.8	(27.7 - 34.0)	26.6	(23.7 - 29.7)	28.3	(25.3-31.5)	32.3	(29.0 - 35.8)
Mother Smoked in the Three Months Before Pregnancy	30.8	(27.7 - 34.0)	28.5	(25.3 - 31.8)	32.1	(28.9 - 35.5)	35.2	(31.8-38.7)	31.1	(27.7 - 34.7)

Source: Ohio Pregnancy Risk Assessment Monitoring System, Center for Public Health Statistics and Informatics, Ohio Department of Health. 2012.

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	%	(95% C.I.)	%	(95% C.I.)	%	(95% C.I.)	%	(95% C.I.)	%	(95% C.I.)
Mother Used Alcohol in the Three Months Before Pregnancy	57.3	(53.9 - 60.6)	54.3	(50.8 - 57.8)	59.7	(56.2 - 63.0)	59.9	(56.3-63.3)	60.2	(56.5 - 63.7)
Number of Stressful Events Experienced by Mother in the 12 Months Before Delivery:										
None	25.1	(22.3 - 28.2)	26.7	(23.7 - 29.9)	26.0	(23.1 - 29.2)	24.1	(21.3-27.2)	26.2	(23.1 - 29.5)
1 to 2	40.6	(37.3 - 43.9)	37.4	(34.1 - 40.8)	39.4	(36.1 - 42.8)	41.5	(38.1-45.0)	39.7	(36.2 - 43.4)
3 to 5	25.0	(22.3 - 28.0)	28.2	(25.1 - 31.4)	24.2	(24.2 - 30.2)	26.5	(23.4-29.8)	26.4	(23.2 - 29.7)
6 to 18	9.3	(7.4 - 11.5)	7.8	(6.1 - 10.0)	7.4	(5.8 - 9.5)	7.9	(6.2-10.1)	7.7	(6.0 - 10.0)
Mother was Physically Abused in the 12 Months Before Pregnancy	5.6	(4.2 - 7.3)	6.2	(4.8 - 8.1)	6.5	(5.0 - 8.4)	5.1	(3.7-7.0)	5.7	(4.2 - 7.8)
Family Planning:										
Wanted Pregnancy Later or Not at All	46.7	(43.4 - 50.0)	44.9	(41.5 - 48.3)	47.7	(44.3 - 51.2)	48.6	(45.1-52.2)	46.9	(43.3 - 50.4)
Wanted Pregnancy Then or Sooner	53.3	(50.0 - 56.6)	55.1	(51.7 - 58.5)	52.3	(48.8 - 55.7)	51.4	(47.9-54.9)	53.1	(49.5 - 56.7)
Actively Trying to Become Pregnant	43.6	(40.3 - 46.9)	45.3	(41.9 - 48.8)	43.5	(40.2 - 46.9)	42.2	(38.8-45.7)	44.2	(40.6 - 47.8)
Used Contraception at Conception (among those not trying to become pregnant)	45.0	(40.6 - 49.6)	43.1	(38.5 - 47.8)	43.9	(39.4 - 48.6)	44.4	(39.8-49.1)	44.2	(39.3 - 49.3)

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Prenatal Period										
Prenatal Care Timing:										
Pregnancy Confirmed in 1st Trimester	94.5	(93.0 - 95.8)	93.9	(92.0 - 95.4)	95.2	(93.6 - 96.4)	95.2	(93.4-96.6)	93.6	(91.5 - 95.2)
Entered Prenatal Care in 1st Trimester	82.3	(79.4 - 84.9)	83.2	(80.3 - 85.7)	84.7	(82.0 - 87.0)	86.0	(83.2-88.3)	82.4	(79.1 - 85.2)
Satisfied with Prenatal Care Timing	81.2	(78.4 - 83.6)	81.8	(78.9 - 84.3)	83.8	(81.2 - 86.1)	80.6	(77.6-83.3)	81.4	(78.3 - 84.2)
WIC Participation During Pregnancy										
	42.1	(38.9 - 45.4)	42.3	(39.0 - 45.7)	42.2	(38.9 - 45.6)	45.3	(41.8-48.8)	44.2	(40.7 - 47.8)
Health Care Coverage for Prenatal Care:										
Insurance from job							54.1	(50.6-57.6)	50.1	(46.4 - 53.7)
Medicaid		Not available		Not available		Not available	44.9	(1.8-4.2)	44.5	(40.9 - 48.1)
No Insurance							2.3	(1.4-3.6)	4.3	(2.9 - 6.5)
Prenatal Care Provider Discussed:										
Effects of Alcohol Use on the Baby	70.7	(67.5 - 73.7)	72.2	(69.0 - 75.3)	72.2	(69.0 - 75.2)	71.4	(68.0-74.5)	70.7	(67.3 - 74.0)
Effects of Smoking on the the Baby	71.9	(68.7 - 74.9)	74.1	(70.9 - 77.1)	73.4	(70.2 - 76.4)	72.7	(69.4-75.7)	70.4	(67.0 - 73.7)
Breastfeeding	82.0	(79.2 - 84.5)	84.4	(81.6 - 86.7)	79.0	(76.0 - 81.7)	80.8	(77.8-83.5)	83.7	(80.8 - 86.2)
Physical Abuse to Women by a Partner	48.2	(44.8 - 51.6)	50.7	(47.2 - 54.2)	48.7	(45.2 - 52.1)	45.4	(41.8-48.9)	46.2	(42.6 - 49.8)
Testing for HIV	75.4	(72.3 - 78.3)	78.5	(75.5 - 81.3)	76.3	(73.2 - 79.2)	72.7	(69.3-75.7)	73.2	(69.7 - 76.4)

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Mother Tested for HIV During Pregnancy or Delivery	67.8	(64.3 - 71.1)	70.6	(67.1 - 73.8)	71.1	(67.6 - 74.3)	69.4	(65.8-72.7)	68.4	(64.7 - 71.9)
Mother Smoked During the Last Three Months of Pregnancy	17.0	(14.5 - 19.7)	18.0	(15.4 - 21.0)	18.9	(16.3 - 21.9)	21.0	(18.1-24.2)	16.5	(13.9 - 19.5)
Mother Used Alcohol in the Last Three Months of Pregnancy	7.0	(5.4 - 8.9)	5.2	(3.9 - 7.0)	5.9	(4.5 - 7.7)	7.4	(5.8-9.4)	6.7	(5.2 - 8.6)
Mother was Physically Abused During Pregnancy	4.1	(2.9 - 5.6)	4.2	(3.0 - 5.7)	3.6	(2.6 - 5.1)	4.3	(3.0-6.1)	4.9	(3.5 - 6.9)
Maternal Morbidities:										
Gestational Diabetes	11.2	(9.2 - 13.6)	9.5	(7.6 - 11.7)	8.8	(7.0 - 10.9)	11.1	(9.1-13.5)	9.0	(7.1 - 11.3)
Vaginal Bleeding	16.5	(14.2 - 19.1)	17.1	(14.7 - 19.9)	19.5	(16.9 - 22.4)	20.0	(17.3-22.9)	20.7	(18.0 - 23.8)
Kidney or Bladder Infection	21.6	(19.0 - 24.6)	22.0	(19.3 - 25.1)	22.1	(19.4 - 25.1)	23.6	(20.6-26.8)	20.5	(17.6 - 23.7)
High Blood Pressure	13.3	(11.3 - 15.6)	13.4	(11.4 - 15.9)	12.8	(10.8 - 15.1)	15.5	(13.1-18.2)	13.9	(11.6 - 16.5)
Premature Labor	25.7	(22.9 - 28.8)	24.2	(21.4 - 27.3)	23.8	(21.1 - 26.8)	25.0	(22.1-28.2)	21.4	(18.6 - 24.5)
Premature Rupture of Membranes	4.7	(3.8 - 5.9)	5.2	(4.1 - 6.6)	5.4	(4.2 - 6.8)	6.2	(4.9-7.9)	5.2	(4.1 - 6.6)
Postpartum Period										
Birth Outcomes:										
Premature Birth (Gestational Age < 37 weeks)	9.9	(8.5 - 11.4)	10.8	(9.1 - 12.6)	10.7	(9.1 - 12.4)	11.2	(9.6-13.1)	8.4	(7.2 - 9.8)
Low Birth Weight Baby (< 2500 grams)	8.0	(7.5 - 8.4)	9.0	(7.9 - 10.1)	8.4	(7.7 - 9.1)	8.1	(7.5-8.7)	7.7	(7.4 - 8.0)
Baby Placed in Neonatal Intensive Care	10.7	(9.1 - 12.6)	10.6	(8.9 - 12.4)	12.3	(10.5 - 14.4)	11.0	(9.3-12.9)	10.5	(8.8 - 12.4)

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	%	(95% C.I.)	%	(95% C.I.)	%	(95% C.I.)	%	(95% C.I.)	%	(95% C.I.)
Length of Baby's Hospital Stay:										
Less Than 1 Day							1.7	(1.0-2.8)	1.3	(0.8 - 2.3)
1-2 Days							59.7	(56.2-63.1)	62.6	(59.1 - 66.0)
3-5 Days	Not available		Not available		Not available		31.1	(27.9-34.5)	27.2	(24.1 - 30.5)
6-14 Days							3.6	(2.7-4.8)	3.8	(2.8 - 5.2)
More Than 14 Days							3.5	(2.6-4.6)	3.6	(2.9 - 4.6)
Baby Received a Check-Up One Week After Birth	Not available		Not available		Not available		93.1	(91.0-94.8)	93.5	(91.4 - 95.1)
Baby Was Ever Breastfed	69.9	(66.7 - 73.0)	71.1	(67.7 - 74.2)	70.2	(66.8 - 73.3)	70.3	(66.9-73.6)	77.1	(73.7 - 80.1)
Infant Safety:										
Baby Sleeps Only on His or Her Side or Back	69.2	(66.1 - 72.1)	66.1	(62.8 - 69.2)	70.5	(67.4 - 73.4)	71.0	(67.8-74.0)	75.4	(72.2 - 78.3)
Mother Smoked Cigarettes at Time of Survey Completion	22.6	(19.8 - 25.6)	22.9	(20.0 - 26.1)	24.8	(21.9 - 28.0)	26.7	(23.6-30.1)	22.0	(19.0 - 25.3)
Mother Received Counseling on Contraception	88.0	(85.5 - 90.0)	90.1	(87.8 - 92.0)	89.7	(87.4 - 91.7)	88.1	(85.6-90.3)	88.7	(86.0 - 91.0)
Mother Used Contraception After Delivery	83.9	(81.2 - 86.3)	84.1	(81.3 - 86.5)	82.6	(79.8 - 85.0)	85.3	(82.6-87.7)	85.2	(82.4 - 87.6)

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Mother Felt Down, Depressed or Sad:										
Never							25.7	(22.7-28.9)	27.5	(24.4 - 30.8)
Rarely							26.9	(23.8-30.1)	30.1	(26.7 - 33.6)
Sometimes	Not available		Not available		Not available		33.2	(29.9-36.7)	29.7	(26.4 - 33.2)
Often							12.5	(10.2-15.1)	10.9	(8.8 - 13.4)
Always							1.9	(1.2-2.8)	1.9	(1.1 - 3.2)
Mother Felt Hopeless:										
Never							60.2	(56.7-63.7)	63.6	(59.9 - 67.1)
Rarely							19.0	(16.4-22.0)	18.8	(16.0 - 21.9)
Sometimes	Not available		Not available		Not available		14.3	(11.9-17.0)	10.5	(8.4 - 13.0)
Often							5.3	(3.9-7.2)	6.2	(4.6 - 8.3)
Always							1.2	(0.7-2.1)	**	**
Mother Felt Slowed Down:										
Never							25.3	(22.3-28.5)	26.5	(23.4 - 29.8)
Rarely							18.6	(16.0-21.5)	19.6	(16.9 - 22.7)
Sometimes	Not available		Not available		Not available		33.2	(30.0-36.7)	31.4	(28.1 - 34.9)
Often							18.7	(16.0-21.6)	17.5	(14.8 - 20.5)
Always							4.3	(3.1-5.8)	5.1	(3.6 - 7.2)

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Technical Notes:

The Pregnancy Risk Assessment Monitoring System (PRAMS) is a joint surveillance project of the Ohio Department of Health and the U.S. Centers for Disease Control and Prevention (CDC). The initiative is aimed at reducing infant mortality and low birth weight by identifying and monitoring selected maternal experiences and behaviors occurring before and during pregnancy, and in the child's early infancy.

PRAMS is an ongoing mail survey with telephone follow-up of a random sample of recent mothers of live-born infants. Mothers are surveyed two to six months after the birth of their infants. Black women and those who delivered low birth weight infants are over-represented in Ohio's sample.

Percentages presented in this report represent estimates of population prevalence, based on weighted survey responses. The 95 percent confidence interval is the range that would contain the true population value 95 percent of the time, if the sampling was repeated numerous times and the confidence interval recalculated from each sample by the same method.

Limitations:

Interpretation of information presented in this report should be made with consideration of a number of limitations. First, PRAMS data are restricted to women who have given birth to a live infant, and therefore, PRAMS does not capture information about all women who become pregnant. Important differences may exist between women having live births and those whose pregnancies resulted in other outcomes. Thus, when assessment of all pregnancies is desirable, PRAMS data should be considered in conjunction with other relevant data sources.

Furthermore, it is important to remember that most of the information from PRAMS is based on what is reported by the mother. Self-reported information may not always be accurate. For example, because mothers are surveyed two to six months post partum about events occurring several months earlier, there is potential for inaccurate recall in their answers. Finally, for purposes of this descriptive report, each variable was examined independently without control for covariates and/or potential confounders. It is possible that application of methods to statistically control covariates would alter the prevalence measures reported here.

For details about PRAMS data collection:

<http://www.cdc.gov/prams/methodology.htm>

For information specific to Ohio PRAMS:

<http://www.odh.ohio.gov/healthstats/pramshs/prams1.aspx>

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