

MIHA Snapshot, Sonoma County 2010

Maternal and Infant Health Assessment (MIHA) Survey



✓ better than rest of California ✗ worse than rest of California ♦ no statistical difference

		Sonoma County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
Prior Poor Birth Outcomes							
Prior low birth weight or preterm delivery	♦	8.8	5.4 - 12.1	500	9.6	8.4 - 10.9	48,100
Prior delivery by c-section	✓	11.5	7.6 - 15.3	600	16.6	14.9 - 18.3	83,200
Health Status							
In excellent/good health before pregnancy	♦	90.5	87.4 - 93.6	4,800	89.0	87.7 - 90.4	445,300
Chronic conditions before or during pregnancy							
Diabetes or gestational diabetes	♦	12.9	9.0 - 16.8	700	12.1	10.7 - 13.4	60,200
Hypertension, preeclampsia or eclampsia	♦	9.8	6.0 - 13.7	500	10.0	8.8 - 11.3	49,100
Asthma	✗	13.0	8.5 - 17.4	700	7.1	6.2 - 8.0	35,300
Nutrition and Weight							
Daily folic acid use, month before pregnancy	♦	30.7	25.0 - 36.4	1,600	33.1	31.2 - 35.0	165,500
Overweight before pregnancy	♦	27.7	22.0 - 33.4	1,300	25.1	23.2 - 27.0	116,400
Obese before pregnancy	♦	22.1	16.6 - 27.6	1,100	20.0	18.3 - 21.8	92,800
Inadequate weight gain during pregnancy	♦	12.9	8.3 - 17.5	500	17.9	16.0 - 19.7	68,000
Excessive weight gain during pregnancy	✗	53.6	46.4 - 60.8	2,300	43.5	41.2 - 45.9	165,800
Food insecurity during pregnancy	✗	24.4	19.8 - 29.1	1,300	18.8	17.2 - 20.4	93,900
Intimate Partner Violence (IPV) and Depression							
Physical IPV in the year before pregnancy		*			2.8	2.1 - 3.5	14,200
Physical or psychological IPV during pregnancy		*			7.3	6.3 - 8.4	36,400
Prenatal depression	♦	11.9	8.0 - 15.8	600	15.0	13.5 - 16.4	74,700
Postpartum depression	♦	12.0	7.9 - 16.1	600	13.4	11.9 - 14.8	66,900
Hardships and Support during Pregnancy							
Had "a lot" of unpaid bills	♦	20.9	15.8 - 26.1	1,100	21.5	19.8 - 23.1	106,800
Moved	♦	24.9	19.6 - 30.3	1,300	28.8	27.0 - 30.7	143,700
Woman or partner lost job	♦	17.9	13.5 - 22.3	900	19.7	18.1 - 21.4	97,700
Became separated or divorced	♦	6.8	3.7 - 9.8	400	8.1	6.9 - 9.2	40,200
Had no practical or emotional support	♦	5.1	2.9 - 7.3	300	5.8	4.8 - 6.7	28,800
Substance Use							
Any smoking, 3 months before pregnancy	♦	14.2	9.6 - 18.7	700	12.5	11.2 - 13.7	62,000
Any smoking, 1st or 3rd trimester	♦	8.7	4.8 - 12.5	500	5.6	4.9 - 6.4	28,100
Any binge drinking, 3 months before pregnancy	♦	19.1	13.9 - 24.2	1,000	15.0	13.5 - 16.5	74,200
Any alcohol use, 1st or 3rd trimester	✗	18.3	13.3 - 23.4	1,000	12.1	10.8 - 13.4	60,400
Postpartum Discussions with Provider							
Discussed birth spacing	♦	38.3	31.3 - 45.3	1,600	39.4	37.1 - 41.7	158,400
Discussed postpartum birth control	✓	95.5	93.0 - 97.9	5,000	87.6	86.0 - 89.1	432,900
Infant Sleep and Breastfeeding							
Placed infant on back to sleep	✓	82.5	77.8 - 87.2	4,300	74.4	72.5 - 76.4	360,100
Intended to breastfeed, before birth	✓	98.0	96.4 - 99.6	5,100	91.3	90.2 - 92.5	449,300
Intended to breastfeed exclusively, before birth	✓	77.6	72.7 - 82.5	4,100	60.6	58.6 - 62.6	298,200
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	89.5	85.7 - 93.3	4,700	77.7	76.0 - 79.4	380,600
Exclusive breastfeeding, 1 month after delivery	✓	64.6	58.6 - 70.5	3,400	46.4	44.4 - 48.4	227,200
Any breastfeeding, 3 months after delivery	✓	77.4	70.6 - 84.2	2,400	59.5	57.0 - 61.9	211,000
Exclusive breastfeeding, 3 months after delivery	✓	47.6	39.2 - 56.0	1,500	31.6	29.4 - 33.8	112,100
Health Care Utilization and Coverage							
Mom uninsured before pregnancy	♦	19.3	15.1 - 23.4	1,000	20.4	18.8 - 22.0	100,400
Had a usual source of pre-pregnancy care	✓	82.0	77.6 - 86.4	4,300	72.8	71.0 - 74.6	363,300
Initiated prenatal care in 1st trimester	✓	96.0	93.2 - 98.7	5,000	89.1	87.8 - 90.4	441,600
Had a postpartum medical visit	♦	89.4	86.0 - 92.9	4,700	85.9	84.4 - 87.3	427,300
Mom or infant needed but couldn't afford care postpartum	♦	13.2	8.7 - 17.7	700	14.0	12.5 - 15.5	68,600

	Sonoma County			California		
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Public Program Participation						
Participated in WIC during pregnancy	46.4	42.4 - 50.3	2,400	55.1	54.1 - 56.2	275,400
Received CalFresh (food stamps) during pregnancy	17.9	13.6 - 22.2	900	22.4	20.9 - 24.0	111,700
Health Insurance Coverage						
Pre-pregnancy insurance						
Medi-Cal	21.3	17.0 - 25.5	1,100	29.7	28.0 - 31.5	146,300
Uninsured	19.3	15.1 - 23.4	1,000	20.4	18.8 - 22.0	100,400
Private or other	59.4	55.6 - 63.3	3,100	49.8	48.3 - 51.4	245,200
Prenatal insurance						
Medi-Cal	45.0	41.3 - 48.7	2,400	52.0	50.5 - 53.5	259,800
Uninsured	*			2.9	2.2 - 3.7	14,700
Private or other	52.8	49.0 - 56.5	2,800	45.1	43.7 - 46.5	225,100
Maternal postpartum insurance						
Medi-Cal	26.8	22.1 - 31.5	1,400	35.3	33.6 - 37.1	173,600
Uninsured	22.5	17.9 - 27.1	1,200	17.3	15.7 - 18.8	84,900
Private or other	50.8	46.3 - 55.2	2,600	47.4	45.9 - 48.9	232,900
Infant health insurance						
Medi-Cal	50.8	46.8 - 54.7	2,600	49.0	47.3 - 50.6	237,900
Healthy Families	*			3.8	3.1 - 4.6	18,600
Uninsured	*			3.4	2.5 - 4.3	16,700
Private or other	45.2	40.8 - 49.6	2,300	43.8	42.3 - 45.3	212,800
Maternal Demographics						
Age						
15-19	5.1	3.0 - 7.2	300	8.9	7.7 - 10.0	44,400
20-34	73.9	68.8 - 79.1	3,900	71.8	69.9 - 73.8	360,000
35+	21.0	16.2 - 25.8	1,100	19.3	17.6 - 21.0	96,800
Did not complete high school (or GED)	15.7	12.0 - 19.5	800	20.4	18.8 - 22.0	101,900
Unmarried	40.2	34.5 - 45.9	2,100	42.7	40.9 - 44.6	213,500
Race/Ethnicity						
Hispanic	38.9	34.3 - 43.4	2,000	50.6	48.9 - 52.2	249,000
Black	1.5	1.3 - 1.7	100	6.0	5.8 - 6.2	29,500
White	55.2	50.2 - 60.3	2,900	29.3	27.8 - 30.8	144,200
Asian/Pacific Islander	*			13.7	12.2 - 15.2	67,600
Nativity and Language						
Born outside the U.S.	32.1	27.3 - 36.8	1,700	41.4	39.4 - 43.3	207,300
Speaks non-English language at home	26.3	22.5 - 30.1	1,400	33.5	31.6 - 35.5	167,000
Income as a percent of the Federal Poverty Guideline						
0-100%	33.9	29.1 - 38.7	1,700	44.0	42.3 - 45.7	206,700
101-200%	24.3	18.8 - 29.9	1,200	20.0	18.3 - 21.7	94,100
201-300%	10.1	6.0 - 14.1	500	8.0	7.0 - 9.1	37,800
301-400%	8.5	4.6 - 12.4	400	6.5	5.6 - 7.4	30,400
>400%	23.2	17.8 - 28.7	1,200	21.5	20.1 - 22.8	100,800

* Due to frequency < 10 women, data are not presented.

Notes: MIHA is an annual population-based survey of California resident women with a live birth in 2010, with a sample size of 6,817. Percent (%), 95% confidence interval (CI) and estimated number of women in the population with the health indicator/characteristic (i.e., numerator of the percent rounded to the nearest hundred) are weighted to represent all women with a live birth in California and county in 2010. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). Statistical comparisons were not conducted for demographics, health insurance, or public program participation. Prior low birth weight (<2,500 g) or preterm delivery (<37 weeks gestation) is presented for all women. More information on MIHA and the indicators above is on the MIHA website.

MIHA is a collaborative effort of the Maternal, Child and Adolescent Health and WIC Programs of the Center for Family Health, California Department of Public Health and the Center on Social Disparities in Health at the University of California, San Francisco. Visit the MIHA website at www.cdph.ca.gov/MIHA.