



MIHA Data Snapshot, California by Neighborhood Poverty, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	California			0-4.9% of Residents below Poverty			5-9.9% of Residents below Poverty			10-19.9% of Residents below Poverty			≥ 20% of Residents below Poverty		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		487,900	10.5	9.7 - 11.3	49,200	20.0	19.0 - 21.1	94,100	30.7	29.4 - 32.0	144,200	38.8	37.5 - 40.1	182,400
Health Status before Pregnancy															
In good to excellent health	92.0	91.2 - 92.7	448,000	97.7	96.7 - 98.6	47,900	95.4	94.2 - 96.7	89,700	92.7	91.4 - 94.0	133,600	88.1	86.7 - 89.6	160,400
Chronic conditions															
Diabetes†	2.5	2.1 - 3.0	12,200	1.8*	0.7 - 2.9	900	2.0	1.1 - 2.9	1,800	2.2	1.5 - 2.9	3,100	3.3	2.4 - 4.1	5,900
Hypertension†	2.6	2.3 - 3.0	12,600	1.9	1.0 - 2.8	900	3.0	1.8 - 4.2	2,800	2.6	2.0 - 3.3	3,700	2.8	2.2 - 3.4	4,900
Asthma†	8.4	7.6 - 9.1	40,000	8.0	6.0 - 10.0	3,900	7.5	6.2 - 8.9	7,100	9.1	7.7 - 10.5	12,800	8.4	7.2 - 9.6	14,900
Nutrition and Weight															
Daily folic acid use, month before pregnancy	33.8	32.5 - 35.0	164,400	48.7	44.5 - 52.9	23,900	42.4	39.3 - 45.5	39,800	32.6	30.2 - 34.9	46,900	26.7	24.7 - 28.8	48,700
Overweight before pregnancy	25.1	23.8 - 26.3	116,100	20.9	17.3 - 24.5	10,000	23.1	20.5 - 25.7	21,100	23.5	21.4 - 25.7	32,500	28.0	25.9 - 30.2	47,400
Obese before pregnancy	20.1	19.0 - 21.2	93,000	10.0	8.0 - 12.1	4,800	13.8	11.8 - 15.8	12,600	20.8	18.8 - 22.9	28,800	25.9	23.9 - 28.0	43,900
Inadequate weight gain during pregnancy	18.2	17.0 - 19.4	74,300	13.7	10.8 - 16.6	6,000	14.6	12.4 - 16.9	11,900	17.7	15.5 - 20.0	21,800	21.7	19.5 - 23.9	31,900
Excessive weight gain during pregnancy	41.2	39.7 - 42.6	168,100	39.9	35.5 - 44.2	17,300	42.1	38.8 - 45.3	34,200	41.9	39.3 - 44.6	51,600	40.8	38.3 - 43.4	59,900
Food insecurity during pregnancy	15.6	14.6 - 16.5	75,100	5.5	4.0 - 7.0	2,700	9.2	7.4 - 11.0	8,600	14.9	13.2 - 16.7	21,300	21.5	19.6 - 23.4	38,700
Intimate Partner Violence (IPV) and Depressive Symptoms															
Physical or psychological IPV during pregnancy	7.0	6.3 - 7.7	34,000	2.6	1.7 - 3.6	1,300	4.8	3.6 - 6.1	4,500	7.0	5.6 - 8.3	10,000	8.9	7.7 - 10.1	16,100
Prenatal depressive symptoms	14.1	13.1 - 15.0	68,500	9.3	7.0 - 11.6	4,600	10.7	8.9 - 12.5	10,100	15.5	13.6 - 17.4	22,300	16.2	14.5 - 17.8	29,400
Postpartum depressive symptoms	13.5	12.6 - 14.4	65,700	9.9	7.5 - 12.3	4,800	11.6	9.7 - 13.5	10,900	14.0	12.2 - 15.8	20,100	14.9	13.3 - 16.6	27,100
Hardships and Support during Pregnancy															
Experienced two or more hardships during childhood	24.6	23.4 - 25.7	116,800	13.1	10.6 - 15.6	6,300	20.1	17.6 - 22.7	18,700	25.7	23.6 - 27.9	36,200	29.0	26.9 - 31.1	51,200
Homeless or did not have a regular place to sleep	3.0	2.6 - 3.4	14,500	1.4*	0.4 - 2.3	700	2.0	1.2 - 2.8	1,900	3.1	2.2 - 4.0	4,400	3.6	2.9 - 4.4	6,600
Moved due to problems paying rent or mortgage	6.4	5.8 - 7.1	31,100	2.7	1.7 - 3.6	1,300	5.3	4.0 - 6.6	5,000	5.7	4.6 - 6.7	8,100	8.5	7.1 - 9.8	15,300
Woman or partner lost job	14.3	13.3 - 15.2	68,700	5.7	4.1 - 7.3	2,800	10.2	8.4 - 11.9	9,500	14.3	12.6 - 16.0	20,300	18.0	16.2 - 19.8	32,200
Woman or partner had pay or hours cut back	11.4	10.5 - 12.2	54,700	5.7	4.1 - 7.3	2,800	10.0	8.2 - 11.9	9,400	11.7	10.2 - 13.1	16,600	12.7	11.2 - 14.2	22,700
Became separated or divorced	7.0	6.3 - 7.7	34,000	3.1	1.9 - 4.3	1,500	3.6	2.5 - 4.7	3,300	7.7	6.3 - 9.1	10,900	9.4	8.1 - 10.7	16,900
Had no practical or emotional support	4.6	4.0 - 5.2	22,500	2.5	1.2 - 3.8	1,200	2.8	1.8 - 3.9	2,700	4.6	3.5 - 5.7	6,600	5.9	4.7 - 7.0	10,700
Substance Use															
Any smoking, 3 months before pregnancy	10.8	9.9 - 11.6	52,100	5.2	3.6 - 6.8	2,500	8.8	7.1 - 10.5	8,300	12.7	11.0 - 14.4	18,200	11.7	10.3 - 13.1	21,100
Any smoking, 3rd trimester†	2.7	2.3 - 3.1	13,200	1.1*	0.0 - 2.1	500	1.6	0.9 - 2.3	1,500	2.7	2.0 - 3.5	3,900	3.7	2.9 - 4.5	6,700
Any smoking, postpartum	5.4	4.8 - 6.0	26,100	3.1	1.4 - 4.7	1,500	3.5	2.4 - 4.6	3,300	6.0	4.8 - 7.2	8,600	6.3	5.3 - 7.2	11,300
Any binge drinking, 3 months before pregnancy	15.1	14.1 - 16.0	72,600	15.1	12.3 - 17.9	7,400	15.9	13.6 - 18.2	14,800	17.6	15.7 - 19.5	25,000	13.0	11.5 - 14.6	23,400
Any alcohol use, 3rd trimester†	7.3	6.6 - 8.1	35,600	11.1	8.7 - 13.6	5,400	10.9	8.9 - 12.9	10,200	6.8	5.7 - 8.0	9,800	5.1	3.9 - 6.3	9,200
Pregnancy Intention and Family Planning															
Mistimed or unwanted pregnancy	30.5	29.3 - 31.8	147,900	18.8	15.7 - 21.8	9,100	22.6	20.1 - 25.2	21,200	31.1	28.8 - 33.4	44,600	37.3	35.0 - 39.6	67,600
Unsure of pregnancy intentions	12.8	11.9 - 13.7	62,100	9.5	6.8 - 12.2	4,600	11.1	9.1 - 13.1	10,400	12.5	10.9 - 14.0	17,900	14.3	12.8 - 15.8	26,000
Postpartum birth control use†	81.0	79.9 - 82.1	386,400	81.1	77.9 - 84.4	39,000	77.1	74.3 - 79.9	71,000	81.1	79.0 - 83.2	114,500	82.5	80.8 - 84.3	147,000
Infant Sleep and Breastfeeding															
Placed infant on back to sleep	80.3	79.2 - 81.4	384,100	83.6	80.3 - 86.9	40,500	81.3	78.7 - 83.8	75,400	83.1	81.2 - 84.9	117,100	76.6	74.6 - 78.7	136,800
Infant always or often shared bed	34.6	33.3 - 35.9	165,100	27.7	23.9 - 31.6	13,400	31.7	28.8 - 34.6	29,400	33.7	31.3 - 36.0	47,300	38.3	36.0 - 40.5	68,200
Intended to breastfeed, before birth	92.4	91.7 - 93.2	441,900	96.1	94.7 - 97.5	46,800	93.8	92.0 - 95.5	87,100	92.3	90.9 - 93.7	129,800	90.9	89.7 - 92.2	162,100
Intended to breastfeed exclusively, before birth	64.7	63.3 - 66.0	309,100	72.6	68.6 - 76.5	35,300	72.7	69.9 - 75.6	67,600	66.4	64.0 - 68.9	93,400	57.5	55.2 - 59.8	102,500
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	83.8	82.8 - 84.8	397,900	89.6	86.7 - 92.4	43,100	89.0	87.1 - 90.9	81,800	84.0	82.1 - 86.0	117,900	79.4	77.5 - 81.2	140,700
Exclusive breastfeeding, 1 month after delivery	44.2	42.9 - 45.6	206,800	49.6	45.3 - 53.9	23,400	49.5	46.4 - 52.7	45,200	44.3	41.8 - 46.8	61,000	39.3	37.0 - 41.6	68,500
Any breastfeeding, 3 months after delivery	67.3	65.8 - 68.8	252,100	80.9	77.0 - 84.8	29,200	75.7	72.7 - 78.7	54,200	69.1	66.4 - 71.9	76,600	58.4	55.7 - 61.0	82,800
Exclusive breastfeeding, 3 months after delivery	29.1	27.7 - 30.5	107,600	39.7	34.8 - 44.6	14,200	37.1	33.7 - 40.6	26,500	31.1	28.5 - 33.7	34,000	20.5	18.4 - 22.5	28,700

MIHA is a collaborative effort of the Maternal, Child and Adolescent Health Division and the Women, Infants and Children Division in the California Department of Public Health and the Center on Social Disparities in Health at the University of California San Francisco.



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	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Service Utilization and Health Insurance Coverage															
Had a usual source of pre-pregnancy care	70.6	69.4 - 71.9	343,800	80.2	76.8 - 83.6	39,400	76.0	73.3 - 78.7	71,200	70.7	68.4 - 73.0	101,800	65.7	63.5 - 67.9	119,400
Initiated prenatal care in 1st trimester	89.4	88.6 - 90.2	428,900	94.5	92.6 - 96.3	45,700	94.2	92.9 - 95.4	87,800	89.0	87.5 - 90.5	126,700	86.3	84.8 - 87.8	154,200
Mom or infant needed but couldn't afford care postpartum	11.5	10.6 - 12.4	54,200	5.9	4.1 - 7.7	2,800	7.6	6.1 - 9.2	7,000	11.2	9.6 - 12.8	15,500	14.6	12.9 - 16.3	25,800
Participated in WIC during pregnancy†	53.4	52.4 - 54.4	254,400	15.1	12.5 - 17.8	7,200	28.5	25.8 - 31.1	25,700	50.9	48.5 - 53.3	71,800	76.9	75.0 - 78.7	138,100
Received CalFresh (food stamps) during pregnancy	25.2	24.1 - 26.2	121,600	5.1	3.8 - 6.4	2,500	10.2	8.5 - 11.9	9,500	22.0	20.0 - 24.1	31,400	40.1	37.9 - 42.3	72,400
Pre-pregnancy insurance															
Medi-Cal	26.7	25.6 - 27.8	129,800	6.4	4.8 - 8.0	3,100	11.0	9.4 - 12.5	10,300	25.2	23.1 - 27.3	36,300	40.6	38.4 - 42.8	73,700
Uninsured	21.6	20.5 - 22.7	105,000	7.7	5.7 - 9.6	3,800	15.1	12.8 - 17.5	14,200	20.2	18.1 - 22.2	29,000	29.4	27.3 - 31.6	53,400
Private	47.8	46.7 - 48.9	232,400	82.1	79.3 - 84.9	40,300	69.2	66.5 - 72.0	65,100	49.5	47.1 - 51.9	71,300	27.3	25.3 - 29.3	49,500
Prenatal insurance															
Medi-Cal	50.1	49.0 - 51.1	243,600	13.4	11.2 - 15.6	6,600	26.8	24.3 - 29.4	25,200	47.5	45.1 - 49.9	68,400	72.5	70.5 - 74.6	131,600
Uninsured	1.6	1.3 - 2.0	7,800	1.6	0.7 - 2.6	800	1.9	0.9 - 2.9	1,800	1.5	0.9 - 2.1	2,100	1.5	1.0 - 2.1	2,800
Private	44.1	43.1 - 45.2	214,700	79.6	76.6 - 82.5	39,000	66.3	63.5 - 69.1	62,200	45.7	43.3 - 48.1	65,800	23.4	21.4 - 25.3	42,400
Maternal postpartum insurance															
Medi-Cal	38.4	37.3 - 39.5	185,700	10.1	8.2 - 11.9	4,900	19.7	17.5 - 22.0	18,500	36.1	33.8 - 38.5	51,700	56.5	54.3 - 58.8	101,900
Uninsured	13.0	12.0 - 13.9	62,600	5.7	3.6 - 7.7	2,800	7.5	5.8 - 9.1	7,000	12.2	10.5 - 13.9	17,500	17.8	16.0 - 19.7	32,100
Private	45.3	44.2 - 46.3	218,800	80.5	77.5 - 83.4	39,300	68.2	65.5 - 70.9	63,800	47.2	44.8 - 49.6	67,400	23.9	22.0 - 25.9	43,100
Infant health insurance															
Medi-Cal	52.8	51.7 - 53.8	251,800	17.6	14.8 - 20.4	8,500	28.8	26.1 - 31.4	26,700	49.9	47.5 - 52.3	70,200	75.8	73.8 - 77.8	135,100
Uninsured	2.8	2.3 - 3.2	13,100	2.2*	0.9 - 3.6	1,100	2.2	1.3 - 3.1	2,100	3.1	2.2 - 4.1	4,400	2.5	1.8 - 3.3	4,500
Private	40.9	39.8 - 41.9	195,000	76.6	73.4 - 79.8	37,100	64.1	61.3 - 67.0	59,400	42.2	39.8 - 44.6	59,300	19.5	17.7 - 21.3	34,700
Maternal Demographics															
Age															
15-19	5.4	4.8 - 6.0	26,200	1.2*	0.5 - 1.9	600	2.4	1.6 - 3.1	2,200	4.8	3.8 - 5.8	6,900	8.3	7.1 - 9.6	15,200
20-34	74.4	73.2 - 75.7	363,200	68.1	64.2 - 72.1	33,500	71.9	69.0 - 74.8	67,700	75.2	73.0 - 77.3	108,400	76.8	74.8 - 78.7	140,000
35+	20.2	19.1 - 21.3	98,500	30.7	26.7 - 34.6	15,100	25.7	22.9 - 28.6	24,200	20.1	18.0 - 22.1	28,900	14.9	13.2 - 16.5	27,100
Did not complete high school (or GED)	16.3	15.3 - 17.3	78,500	3.0	1.8 - 4.3	1,500	6.4	4.9 - 8.0	6,000	13.3	11.6 - 15.1	19,100	26.3	24.2 - 28.4	47,200
Unmarried	40.5	39.2 - 41.7	196,000	15.5	12.8 - 18.2	7,600	23.4	20.9 - 25.9	22,000	39.3	36.9 - 41.7	56,400	56.1	53.8 - 58.4	101,200
Race/Ethnicity															
White	29.3	28.1 - 30.4	140,000	46.6	42.4 - 50.8	22,500	43.4	40.3 - 46.5	39,500	32.4	30.1 - 34.6	45,700	16.2	14.6 - 17.8	29,200
Hispanic	49.2	48.0 - 50.4	235,200	18.7	15.8 - 21.7	9,000	29.6	26.8 - 32.4	27,000	47.1	44.7 - 49.6	66,600	67.4	65.4 - 69.4	121,500
Asian/Pacific Islander	15.4	14.3 - 16.5	73,800	32.1	27.7 - 36.4	15,500	23.4	20.4 - 26.5	21,300	14.3	12.3 - 16.2	20,200	8.3	6.9 - 9.8	15,000
Black	5.6	5.4 - 5.9	26,900	2.4	1.7 - 3.0	1,100	3.3	2.6 - 4.1	3,000	5.6	4.8 - 6.4	7,900	7.5	6.8 - 8.2	13,500
Born outside the U.S.	37.7	36.3 - 39.0	183,800	38.8	34.5 - 43.1	19,100	33.5	30.4 - 36.6	31,600	34.9	32.4 - 37.4	50,300	40.6	38.3 - 42.9	74,000
Speaks non-English language at home	30.7	29.4 - 32.0	147,700	24.8	21.0 - 28.6	12,100	23.8	21.0 - 26.6	22,100	27.7	25.4 - 30.1	39,300	37.1	34.8 - 39.3	66,800
Income as a percent of the Federal Poverty Guideline															
0-100%	40.0	38.9 - 41.2	181,800	10.5	8.3 - 12.6	4,900	17.7	15.5 - 19.9	15,600	36.9	34.5 - 39.3	49,900	61.3	59.0 - 63.5	102,400
101-200%	21.0	19.8 - 22.1	95,300	13.4	10.4 - 16.3	6,300	17.6	15.2 - 20.0	15,400	24.1	21.9 - 26.4	32,700	22.1	20.2 - 24.0	36,900
> 200%	39.0	37.9 - 40.1	177,000	76.2	72.8 - 79.6	36,000	64.7	61.8 - 67.6	56,900	38.9	36.5 - 41.3	52,700	16.6	14.9 - 18.4	27,800

-- Estimate not shown because the relative standard error (RSE) is greater than 50%, or fewer than 5 women reported.

* Estimate should be interpreted with caution due to low statistical reliability (RSE is between 30% and 50%)

† Measure/definition may not be comparable to previous Snapshots (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2015 were combined, resulting in a statewide sample size of 20,762. Percent (%), 95% confidence interval (95% 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 who resided in California in 2013-2015. Population estimate (N) is a three-year average. Neighborhood poverty is the percentage of residents with incomes below poverty in a woman's census tract. See the Technical Notes for information on weighting, comparability to prior years and technical definitions. Visit the MIHA website at www.cdph.ca.gov/MIHA.

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