



MIHA Data Snapshot, San Joaquin Valley by Education, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley			<High School			High School Graduate or GED			Some College			College Graduate		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		62,500	22.0	20.1 - 24.0	13,600	25.8	23.8 - 27.8	15,900	34.9	32.8 - 37.0	21,500	17.3	15.8 - 18.8	10,600
Health Status before Pregnancy															
In good to excellent health	89.9	88.4 - 91.3	56,100	83.3	79.3 - 87.3	11,300	87.5	83.9 - 91.2	13,800	92.4	90.7 - 94.0	19,800	97.0	95.5 - 98.6	10,300
Chronic conditions															
Diabetes†	2.7	1.9 - 3.5	1,700	4.1	2.0 - 6.3	500	2.5	1.1 - 3.9	400	2.3 *	0.9 - 3.7	500	2.0	0.9 - 3.2	200
Hypertension†	2.6	2.0 - 3.3	1,600	3.4 *	1.1 - 5.6	400	3.0	1.6 - 4.4	500	2.0	1.2 - 2.7	400	2.4	1.3 - 3.5	300
Asthma†	9.5	8.0 - 10.9	5,800	6.6	3.6 - 9.6	900	7.2	4.8 - 9.7	1,100	13.0	10.4 - 15.6	2,800	9.2	5.5 - 13.0	1,000
Nutrition and Weight															
Daily folic acid use, month before pregnancy	28.8	26.8 - 30.8	18,000	26.0	21.4 - 30.6	3,500	23.8	19.9 - 27.8	3,800	27.7	24.4 - 31.0	5,900	42.2	37.2 - 47.1	4,500
Overweight before pregnancy	27.8	25.8 - 29.9	16,400	29.3	24.1 - 34.4	3,300	29.4	24.9 - 33.9	4,400	28.3	25.0 - 31.5	6,000	23.1	19.3 - 27.0	2,400
Obese before pregnancy	26.4	24.4 - 28.4	15,600	33.5	28.1 - 38.9	3,800	21.9	18.2 - 25.5	3,300	29.4	26.1 - 32.7	6,200	18.8	15.1 - 22.5	2,000
Inadequate weight gain during pregnancy	17.0	15.0 - 18.9	8,500	19.2	14.5 - 23.9	1,700	24.2	19.3 - 29.1	3,100	14.1	11.4 - 16.7	2,600	11.1	8.1 - 14.1	1,100
Excessive weight gain during pregnancy	44.9	42.5 - 47.3	22,500	42.9	36.8 - 49.0	3,900	36.5	31.7 - 41.4	4,600	49.5	45.6 - 53.4	9,000	48.8	43.4 - 54.1	4,600
Food insecurity during pregnancy	18.3	16.5 - 20.0	11,300	24.4	19.9 - 29.0	3,300	21.3	17.4 - 25.3	3,400	17.6	15.0 - 20.2	3,800	6.3	4.0 - 8.6	700
Intimate Partner Violence (IPV) and Depressive Symptoms															
Physical or psychological IPV during pregnancy	8.5	7.3 - 9.7	5,300	10.2	7.4 - 13.1	1,400	9.8	7.2 - 12.3	1,500	7.8	5.9 - 9.7	1,700	5.4 *	2.1 - 8.6	600
Prenatal depressive symptoms	16.0	14.4 - 17.7	10,000	16.8	13.0 - 20.5	2,200	18.8	15.2 - 22.4	3,000	15.8	13.1 - 18.4	3,400	11.1	7.4 - 14.8	1,200
Postpartum depressive symptoms	15.0	13.4 - 16.6	9,300	15.4	11.6 - 19.1	2,100	14.6	11.4 - 17.7	2,300	16.4	13.8 - 19.0	3,500	12.4	8.6 - 16.1	1,300
Hardships and Support during Pregnancy															
Experienced two or more hardships during childhood	29.4	27.3 - 31.4	17,800	32.0	27.1 - 36.9	4,200	31.5	27.1 - 35.9	4,800	32.3	28.9 - 35.7	6,800	16.2	12.3 - 20.1	1,700
Homeless or did not have a regular place to sleep	3.1	2.4 - 3.9	1,900	4.5	2.4 - 6.6	600	4.2	2.5 - 5.8	600	2.9	1.7 - 4.0	600	--		
Moved due to problems paying rent or mortgage	6.4	5.3 - 7.4	3,900	6.9	4.1 - 9.7	900	7.2	5.3 - 9.2	1,100	7.5	5.6 - 9.4	1,600	1.9	0.8 - 3.0	200
Woman or partner lost job	15.5	13.9 - 17.1	9,600	15.9	12.4 - 19.4	2,100	16.8	13.4 - 20.2	2,600	18.1	15.1 - 21.1	3,900	7.7	5.3 - 10.0	800
Woman or partner had pay or hours cut back	13.3	11.7 - 14.9	8,200	13.3	9.4 - 17.1	1,800	12.3	9.3 - 15.3	1,900	16.5	13.8 - 19.3	3,500	8.7	5.7 - 11.6	900
Became separated or divorced	9.1	7.7 - 10.5	5,600	9.7	6.9 - 12.6	1,300	10.6	8.0 - 13.3	1,700	9.9	7.5 - 12.4	2,100	4.5 *	1.3 - 7.6	500
Had no practical or emotional support	4.4	3.4 - 5.3	2,700	8.8	5.8 - 11.9	1,200	5.3	3.3 - 7.4	800	1.9	1.1 - 2.7	400	2.1 *	0.6 - 3.6	200
Substance Use															
Any smoking, 3 months before pregnancy	12.4	10.9 - 13.9	7,700	14.8	10.6 - 18.9	2,000	10.5	7.9 - 13.0	1,600	15.8	12.9 - 18.6	3,400	4.9	3.2 - 6.6	500
Any smoking, 3rd trimester†	4.3	3.4 - 5.2	2,700	7.8	4.9 - 10.8	1,100	3.1	1.9 - 4.2	500	4.3	2.8 - 5.8	900	1.2 *	0.1 - 2.3	100
Any smoking, postpartum	7.4	6.2 - 8.6	4,600	12.2	8.3 - 16.0	1,600	6.7	4.8 - 8.7	1,100	7.1	5.3 - 8.8	1,500	2.4	1.0 - 3.8	200
Any binge drinking, 3 months before pregnancy	14.6	13.0 - 16.2	9,000	8.0	5.5 - 10.5	1,100	12.2	9.1 - 15.3	1,900	18.5	15.6 - 21.5	3,900	19.3	14.9 - 23.6	2,000
Any alcohol use, 3rd trimester†	3.7	3.0 - 4.4	2,300	1.6 *	0.6 - 2.6	200	2.0	0.9 - 3.1	300	4.6	3.2 - 6.0	1,000	7.1	5.1 - 9.1	700
Pregnancy Intention and Family Planning															
Mistimed or unwanted pregnancy	33.0	30.9 - 35.0	20,500	34.4	29.4 - 39.3	4,600	41.0	36.4 - 45.7	6,500	31.6	28.3 - 34.9	6,700	21.0	17.2 - 24.9	2,200
Unsure of pregnancy intentions	15.3	13.7 - 17.0	9,500	19.8	15.5 - 24.1	2,700	15.9	12.5 - 19.2	2,500	15.1	12.4 - 17.9	3,200	8.9	5.8 - 12.0	900
Postpartum birth control use†	82.8	81.1 - 84.5	50,600	83.6	79.7 - 87.5	11,100	81.6	77.8 - 85.3	12,500	84.0	81.5 - 86.6	17,700	81.4	77.2 - 85.5	8,500
Infant Sleep and Breastfeeding															
Placed infant on back to sleep	77.9	76.1 - 79.8	47,700	73.8	69.3 - 78.4	9,700	79.7	76.1 - 83.3	12,300	77.2	74.1 - 80.3	16,300	83.3	79.4 - 87.2	8,800
Infant always or often shared bed	38.5	36.3 - 40.7	23,500	44.8	39.6 - 50.1	5,900	38.4	34.0 - 42.7	5,900	37.2	33.7 - 40.7	7,900	33.8	28.7 - 38.9	3,600
Intended to breastfeed, before birth	89.5	88.1 - 90.9	54,600	83.6	79.7 - 87.5	10,900	87.8	84.9 - 90.7	13,500	91.4	89.4 - 93.3	19,300	95.7	93.9 - 97.5	10,100
Intended to breastfeed exclusively, before birth	56.1	53.9 - 58.4	34,300	38.9	33.8 - 43.9	5,100	51.0	46.3 - 55.7	7,900	65.2	61.7 - 68.7	13,700	68.5	63.6 - 73.4	7,200
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	75.1	73.2 - 77.1	45,400	71.4	66.7 - 76.2	9,200	69.2	64.8 - 73.7	10,500	77.5	74.6 - 80.4	16,200	85.4	81.9 - 88.9	8,900
Exclusive breastfeeding, 1 month after delivery	40.0	37.8 - 42.2	23,800	36.5	31.3 - 41.8	4,600	37.5	33.0 - 42.1	5,700	42.0	38.5 - 45.6	8,700	45.0	40.0 - 50.1	4,700
Any breastfeeding, 3 months after delivery	55.3	52.7 - 57.8	25,700	48.5	42.6 - 54.3	4,900	45.4	40.0 - 50.8	5,400	58.7	54.6 - 62.8	9,700	72.4	67.1 - 77.7	5,400
Exclusive breastfeeding, 3 months after delivery	22.5	20.6 - 24.5	10,400	13.7	10.1 - 17.2	1,400	18.4	14.4 - 22.3	2,200	25.4	22.0 - 28.9	4,200	35.4	30.2 - 40.5	2,600

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.



MIHA Data Snapshot, San Joaquin Valley by Education, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley			<High School			High School Graduate or GED			Some College			College Graduate		
	%	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	68.1	66.0 - 70.2	42,500	60.8	55.7 - 66.0	8,200	66.7	62.4 - 71.0	10,500	69.3	65.8 - 72.7	14,900	77.3	72.8 - 81.8	8,200
Initiated prenatal care in 1st trimester	86.1	84.4 - 87.7	52,900	80.0	75.8 - 84.3	10,400	83.1	79.6 - 86.6	12,900	87.9	85.3 - 90.6	18,800	94.2	91.8 - 96.5	9,900
Mom or infant needed but couldn't afford care postpartum	11.6	10.2 - 13.0	7,000	12.5	9.1 - 15.8	1,600	13.0	9.9 - 16.1	2,000	12.3	9.8 - 14.7	2,600	6.9	4.6 - 9.2	700
Participated in WIC during pregnancy†	70.2	68.6 - 71.8	43,200	90.9	87.9 - 94.0	12,300	87.2	84.6 - 89.8	13,700	65.2	62.0 - 68.4	13,800	26.0	21.2 - 30.9	2,700
Received CalFresh (food stamps) during pregnancy	41.3	39.1 - 43.4	25,700	65.8	60.9 - 70.8	8,800	45.8	41.2 - 50.5	7,200	35.5	32.0 - 39.0	7,600	13.2	9.0 - 17.3	1,400
Pre-pregnancy insurance															
Medi-Cal	42.0	39.9 - 44.1	26,200	66.6	61.9 - 71.4	9,000	50.6	46.0 - 55.2	8,000	34.4	30.9 - 37.9	7,400	11.4	7.6 - 15.2	1,200
Uninsured	23.1	21.1 - 25.0	14,400	28.0	23.4 - 32.5	3,800	29.3	24.9 - 33.6	4,600	20.2	17.2 - 23.2	4,300	14.1	10.0 - 18.2	1,500
Private	32.2	30.5 - 33.9	20,100	4.2	2.6 - 5.9	600	17.9	14.8 - 21.1	2,800	41.6	38.2 - 45.1	8,900	71.0	66.1 - 76.0	7,600
Prenatal insurance															
Medi-Cal	67.8	66.1 - 69.4	42,100	92.6	89.9 - 95.3	12,400	83.6	80.7 - 86.5	13,200	62.0	58.8 - 65.2	13,200	23.3	18.8 - 27.8	2,500
Uninsured	1.9	1.3 - 2.6	1,200	3.7	1.5 - 5.9	500	1.5*	0.5 - 2.5	200	1.1*	0.3 - 1.8	200	1.9*	0.1 - 3.8	200
Private	27.6	26.1 - 29.1	17,200	3.1	1.5 - 4.7	400	12.8	10.2 - 15.4	2,000	33.4	30.3 - 36.5	7,100	70.1	65.3 - 75.0	7,500
Maternal postpartum insurance															
Medi-Cal	55.7	53.7 - 57.8	34,600	74.9	70.5 - 79.4	9,900	67.4	63.1 - 71.6	10,600	51.9	48.4 - 55.5	11,100	20.4	16.0 - 24.9	2,200
Uninsured	12.7	11.1 - 14.3	7,900	20.0	15.9 - 24.1	2,700	16.9	13.2 - 20.6	2,700	8.2	6.1 - 10.3	1,800	7.0	4.0 - 9.9	700
Private	29.1	27.5 - 30.8	18,100	4.3	2.3 - 6.4	600	13.7	11.0 - 16.4	2,200	36.5	33.2 - 39.8	7,800	69.0	64.1 - 73.9	7,300
Infant health insurance															
Medi-Cal	69.2	67.4 - 70.9	42,100	96.2	94.6 - 97.8	12,600	84.1	81.0 - 87.2	12,800	61.6	58.3 - 65.0	13,000	28.3	23.4 - 33.1	3,000
Uninsured	2.5	1.8 - 3.1	1,500	1.4*	0.3 - 2.5	200	3.0	1.7 - 4.3	500	3.0	1.7 - 4.4	600	2.0*	0.8 - 3.2	200
Private	25.9	24.3 - 27.4	15,700	1.7	0.7 - 2.6	200	11.9	9.1 - 14.6	1,800	31.6	28.4 - 34.7	6,700	65.3	60.4 - 70.3	6,900
Maternal Demographics															
Unmarried	50.7	48.6 - 52.9	31,500	60.9	55.8 - 65.9	8,200	62.5	58.0 - 66.9	9,800	50.2	46.6 - 53.8	10,700	19.4	14.9 - 23.9	2,100
Race/Ethnicity															
White	25.2	23.5 - 27.0	15,700	11.2	7.3 - 15.0	1,500	14.0	11.0 - 17.0	2,200	33.9	30.7 - 37.1	7,200	43.1	38.2 - 47.9	4,500
Hispanic	61.4	59.4 - 63.4	38,100	80.1	75.8 - 84.5	10,900	73.6	69.8 - 77.5	11,700	55.2	51.7 - 58.6	11,700	30.8	25.9 - 35.8	3,200
Asian/Pacific Islander	8.0	6.7 - 9.4	5,000	3.9*	1.5 - 6.3	500	7.0	4.2 - 9.7	1,100	4.2	2.7 - 5.8	900	23.6	18.7 - 28.4	2,400
Black	4.7	4.4 - 5.1	2,900	4.0	2.9 - 5.1	500	4.8	3.8 - 5.8	800	6.1	5.2 - 6.9	1,300	2.4	1.7 - 3.1	200
Born outside the U.S.	30.3	28.3 - 32.4	19,000	54.8	49.5 - 60.0	7,400	36.5	32.0 - 41.1	5,800	12.1	9.8 - 14.4	2,600	27.7	23.3 - 32.2	3,000
Speaks non-English language at home	28.1	26.0 - 30.1	17,400	53.0	47.8 - 58.2	7,100	33.4	28.8 - 37.9	5,300	12.4	9.8 - 15.0	2,700	20.9	16.7 - 25.0	2,200
Lives in a high poverty neighborhood	63.5	61.5 - 65.5	38,100	85.0	81.6 - 88.3	10,900	73.2	69.2 - 77.1	11,000	56.0	52.4 - 59.6	11,600	38.1	33.0 - 43.2	4,000
Income as a percent of the Federal Poverty Guideline															
0-100%	55.5	53.4 - 57.6	32,500	84.3	80.0 - 88.6	10,300	69.6	65.3 - 73.8	10,000	46.2	42.6 - 49.9	9,600	17.8	13.3 - 22.3	1,800
101-200%	22.1	20.1 - 24.1	12,900	13.7	9.4 - 17.9	1,700	24.6	20.6 - 28.6	3,500	29.8	26.2 - 33.3	6,200	14.4	10.7 - 18.2	1,500
> 200%	22.4	20.9 - 23.9	13,100	2.0	0.9 - 3.2	200	5.9	4.0 - 7.7	800	24.0	21.1 - 26.8	5,000	67.8	62.7 - 72.8	6,900

-- Estimate not shown because the relative standard error (RSE) is greater than 50%, fewer than 5 women reported, or the weighted population denominator for the column is less than 100 women.

* 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. The sample size of San Joaquin Valley was 4,444. 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 and the region in 2013-2015. Population estimate (N) is a three-year average. 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.

Table Citation: Maternal and Infant Health Assessment (MIHA) Survey County and Regional Data Snapshots for Subgroups, 2013-2015. California Department of Public Health; 2018.



MIHA Data Snapshot, San Joaquin Valley by Geographical Area, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley			Urban			Rural/Frontier		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		62,500	62.8	60.7 - 64.9	37,600	37.2	35.1 - 39.3	22,300
Health Status before Pregnancy									
In good to excellent health	89.9	88.4 - 91.3	56,100	89.0	87.0 - 91.1	33,400	91.5	89.6 - 93.4	20,400
Chronic conditions									
Diabetes†	2.7	1.9 - 3.5	1,700	2.8	1.8 - 3.7	1,000	2.6	1.2 - 4.1	600
Hypertension†	2.6	2.0 - 3.3	1,600	3.3	2.2 - 4.4	1,200	1.5	1.0 - 2.1	300
Asthma†	9.5	8.0 - 10.9	5,800	9.4	7.5 - 11.2	3,500	9.7	7.3 - 12.1	2,100
Nutrition and Weight									
Daily folic acid use, month before pregnancy	28.8	26.8 - 30.8	18,000	29.2	26.5 - 31.9	10,900	27.5	24.4 - 30.7	6,100
Overweight before pregnancy	27.8	25.8 - 29.9	16,400	26.7	24.0 - 29.3	9,600	28.8	25.5 - 32.1	5,900
Obese before pregnancy	26.4	24.4 - 28.4	15,600	27.7	25.1 - 30.4	10,000	24.9	21.8 - 28.0	5,100
Inadequate weight gain during pregnancy	17.0	15.0 - 18.9	8,500	16.2	13.6 - 18.7	5,000	18.6	15.5 - 21.6	3,300
Excessive weight gain during pregnancy	44.9	42.5 - 47.3	22,500	44.8	41.6 - 48.1	13,800	44.9	41.1 - 48.8	7,900
Food insecurity during pregnancy	18.3	16.5 - 20.0	11,300	19.5	17.0 - 21.9	7,300	15.8	13.4 - 18.2	3,500
Intimate Partner Violence (IPV) and Depressive Symptoms									
Physical or psychological IPV during pregnancy	8.5	7.3 - 9.7	5,300	9.2	7.4 - 10.9	3,400	6.9	5.4 - 8.4	1,500
Prenatal depressive symptoms	16.0	14.4 - 17.7	10,000	17.9	15.6 - 20.2	6,700	13.2	10.8 - 15.5	2,900
Postpartum depressive symptoms	15.0	13.4 - 16.6	9,300	16.8	14.5 - 19.0	6,300	12.0	9.7 - 14.2	2,700
Hardships and Support during Pregnancy									
Experienced two or more hardships during childhood	29.4	27.3 - 31.4	17,800	31.9	29.0 - 34.7	11,600	25.2	22.1 - 28.4	5,500
Homeless or did not have a regular place to sleep	3.1	2.4 - 3.9	1,900	3.7	2.6 - 4.8	1,400	2.0	1.2 - 2.7	400
Moved due to problems paying rent or mortgage	6.4	5.3 - 7.4	3,900	7.4	5.9 - 8.9	2,700	4.4	3.0 - 5.8	1,000
Woman or partner lost job	15.5	13.9 - 17.1	9,600	17.0	14.7 - 19.3	6,300	12.8	10.6 - 14.9	2,800
Woman or partner had pay or hours cut back	13.3	11.7 - 14.9	8,200	13.9	11.8 - 16.0	5,200	11.4	9.0 - 13.8	2,500
Became separated or divorced	9.1	7.7 - 10.5	5,600	9.6	7.8 - 11.4	3,600	8.6	6.5 - 10.8	1,900
Had no practical or emotional support	4.4	3.4 - 5.3	2,700	4.1	2.8 - 5.4	1,500	4.7	3.2 - 6.1	1,000
Substance Use									
Any smoking, 3 months before pregnancy	12.4	10.9 - 13.9	7,700	14.4	12.2 - 16.6	5,400	9.1	7.0 - 11.1	2,000
Any smoking, 3rd trimester†	4.3	3.4 - 5.2	2,700	5.1	3.8 - 6.4	1,900	2.8	1.7 - 3.8	600
Any smoking, postpartum	7.4	6.2 - 8.6	4,600	8.5	6.8 - 10.2	3,200	5.2	3.7 - 6.8	1,200
Any binge drinking, 3 months before pregnancy	14.6	13.0 - 16.2	9,000	16.3	14.1 - 18.6	6,100	11.9	9.6 - 14.2	2,600
Any alcohol use, 3rd trimester†	3.7	3.0 - 4.4	2,300	3.8	2.9 - 4.7	1,400	3.7	2.5 - 4.9	800
Pregnancy Intention and Family Planning									
Mistimed or unwanted pregnancy	33.0	30.9 - 35.0	20,500	34.6	31.7 - 37.4	12,900	30.1	26.9 - 33.2	6,700
Unsure of pregnancy intentions	15.3	13.7 - 17.0	9,500	15.6	13.4 - 17.9	5,800	14.9	12.2 - 17.6	3,300
Postpartum birth control use†	82.8	81.1 - 84.5	50,600	81.4	79.0 - 83.8	29,800	85.1	82.6 - 87.5	18,700
Infant Sleep and Breastfeeding									
Placed infant on back to sleep	77.9	76.1 - 79.8	47,700	78.6	76.1 - 81.1	28,800	77.2	74.3 - 80.2	16,900
Infant always or often shared bed	38.5	36.3 - 40.7	23,500	37.5	34.6 - 40.5	13,800	39.8	36.3 - 43.3	8,700
Intended to breastfeed, before birth	89.5	88.1 - 90.9	54,600	89.1	87.2 - 90.9	32,600	90.5	88.4 - 92.7	19,800
Intended to breastfeed exclusively, before birth	56.1	53.9 - 58.4	34,300	54.8	51.8 - 57.8	20,100	59.1	55.5 - 62.6	12,900
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	75.1	73.2 - 77.1	45,400	74.5	71.9 - 77.1	27,100	76.6	73.4 - 79.7	16,500
Exclusive breastfeeding, 1 month after delivery	40.0	37.8 - 42.2	23,800	39.1	36.2 - 42.0	14,000	41.5	37.9 - 45.0	8,800
Any breastfeeding, 3 months after delivery	55.3	52.7 - 57.8	25,700	55.0	51.6 - 58.5	15,300	56.1	52.1 - 60.2	9,300
Exclusive breastfeeding, 3 months after delivery	22.5	20.6 - 24.5	10,400	21.7	19.1 - 24.2	6,000	24.4	21.1 - 27.7	4,000



MIHA Data Snapshot, San Joaquin Valley by Geographical Area, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley				Urban				Rural/Frontier			
	%	95% CI		N	%	95% CI		N	%	95% CI		N
Service Utilization and Health Insurance Coverage												
Had a usual source of pre-pregnancy care	68.1	66.0	- 70.2	42,500	65.9	63.0	- 68.7	24,700	72.1	68.9	- 75.3	16,100
Initiated prenatal care in 1st trimester	86.1	84.4	- 87.7	52,900	85.9	83.8	- 88.0	31,800	86.6	83.8	- 89.3	19,000
Mom or infant needed but couldn't afford care postpartum	11.6	10.2	- 13.0	7,000	11.1	9.3	- 12.8	4,000	11.8	9.4	- 14.2	2,600
Participated in WIC during pregnancy†	70.2	68.6	- 71.8	43,200	68.8	66.5	- 71.0	25,600	70.5	67.4	- 73.5	15,400
Received CalFresh (food stamps) during pregnancy	41.3	39.1	- 43.4	25,700	42.8	39.9	- 45.7	16,000	37.6	34.1	- 41.0	8,300
Pre-pregnancy insurance												
Medi-Cal	42.0	39.9	- 44.1	26,200	42.4	39.5	- 45.2	15,900	40.0	36.6	- 43.5	8,900
Uninsured	23.1	21.1	- 25.0	14,400	21.6	19.1	- 24.1	8,100	25.5	22.2	- 28.7	5,700
Private	32.2	30.5	- 33.9	20,100	33.2	30.8	- 35.7	12,500	32.4	29.4	- 35.5	7,200
Prenatal insurance												
Medi-Cal	67.8	66.1	- 69.4	42,100	66.8	64.4	- 69.1	25,000	67.9	64.8	- 71.0	15,000
Uninsured	1.9	1.3	- 2.6	1,200	2.1	1.2	- 3.0	800	1.5 *	0.6	- 2.4	300
Private	27.6	26.1	- 29.1	17,200	28.1	25.9	- 30.2	10,500	29.0	26.1	- 32.0	6,400
Maternal postpartum insurance												
Medi-Cal	55.7	53.7	- 57.8	34,600	56.3	53.6	- 59.1	21,000	53.7	50.2	- 57.2	11,900
Uninsured	12.7	11.1	- 14.3	7,900	10.8	8.8	- 12.7	4,000	15.1	12.3	- 17.8	3,300
Private	29.1	27.5	- 30.8	18,100	30.1	27.8	- 32.5	11,200	29.8	26.7	- 32.8	6,600
Infant health insurance												
Medi-Cal	69.2	67.4	- 70.9	42,100	68.8	66.5	- 71.2	25,100	68.9	65.8	- 72.0	15,100
Uninsured	2.5	1.8	- 3.1	1,500	2.2	1.4	- 3.1	800	3.0	2.0	- 4.1	700
Private	25.9	24.3	- 27.4	15,700	26.2	24.0	- 28.3	9,500	26.6	23.6	- 29.5	5,800
Maternal Demographics												
Age												
15-19	8.3	7.1	- 9.6	5,200	8.1	6.5	- 9.8	3,100	8.8	6.7	- 10.9	2,000
20-34	78.6	76.7	- 80.5	49,200	79.5	77.1	- 81.9	29,900	77.3	74.2	- 80.4	17,200
35+	13.1	11.5	- 14.6	8,200	12.4	10.4	- 14.3	4,700	13.9	11.3	- 16.5	3,100
Did not complete high school (or GED)	22.0	20.1	- 24.0	13,600	20.6	18.1	- 23.2	7,600	23.7	20.5	- 26.9	5,200
Unmarried	50.7	48.6	- 52.9	31,500	52.1	49.2	- 55.0	19,500	46.8	43.2	- 50.3	10,400
Race/Ethnicity												
White	25.2	23.5	- 27.0	15,700	25.0	22.7	- 27.4	9,300	26.6	23.6	- 29.6	5,900
Hispanic	61.4	59.4	- 63.4	38,100	57.9	55.1	- 60.7	21,600	66.1	62.8	- 69.3	14,600
Asian/Pacific Islander	8.0	6.7	- 9.4	5,000	10.2	8.2	- 12.2	3,800	4.9	3.2	- 6.5	1,100
Black	4.7	4.4	- 5.1	2,900	6.3	5.8	- 6.9	2,400	1.8	1.3	- 2.4	400
Born outside the U.S.	30.3	28.3	- 32.4	19,000	28.3	25.6	- 31.1	10,700	32.4	29.1	- 35.6	7,200
Speaks non-English language at home	28.1	26.0	- 30.1	17,400	25.3	22.6	- 28.1	9,500	32.0	28.6	- 35.3	7,100
Lives in a high poverty neighborhood	63.5	61.5	- 65.5	38,100	62.8	60.2	- 65.4	23,600	64.8	61.5	- 68.1	14,500
Income as a percent of the Federal Poverty Guideline												
0-100%	55.5	53.4	- 57.6	32,500	56.3	53.5	- 59.2	20,200	53.1	49.5	- 56.8	10,800
101-200%	22.1	20.1	- 24.1	12,900	20.3	17.7	- 22.8	7,300	25.2	21.8	- 28.5	5,100
> 200%	22.4	20.9	- 23.9	13,100	23.4	21.4	- 25.4	8,400	21.7	18.9	- 24.5	4,400

-- Estimate not shown because the relative standard error (RSE) is greater than 50%, fewer than 5 women reported, or the weighted population denominator for the column is less than 100 women.

* 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. The sample size of San Joaquin Valley was 4,444. 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 and the region in 2013-2015. Population estimate (N) is a three-year average. Urban and Rural/Frontier designations are based on the population size or densities of Medical Service Study Areas. 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.



MIHA Data Snapshot, San Joaquin Valley by Income, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley			0-100% Federal Poverty Guideline			101-200% Federal Poverty Guideline			> 200% Federal Poverty Guideline		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		62,500	55.5	53.4 - 57.6	32,500	22.1	20.1 - 24.1	12,900	22.4	20.9 - 23.9	13,100
Health Status before Pregnancy												
In good to excellent health	89.9	88.4 - 91.3	56,100	87.1	84.8 - 89.3	28,200	91.5	88.6 - 94.4	11,800	96.5	95.1 - 97.9	12,600
Chronic conditions												
Diabetes†	2.7	1.9 - 3.5	1,700	3.2	2.1 - 4.4	1,000	2.8*	0.4 - 5.1	400	1.6	0.7 - 2.4	200
Hypertension†	2.6	2.0 - 3.3	1,600	2.8	1.7 - 3.9	900	2.4	1.1 - 3.7	300	2.8	1.6 - 4.0	400
Asthma†	9.5	8.0 - 10.9	5,800	9.9	7.8 - 12.0	3,100	9.5	6.0 - 12.9	1,200	10.4	7.8 - 13.0	1,300
Nutrition and Weight												
Daily folic acid use, month before pregnancy	28.8	26.8 - 30.8	18,000	24.2	21.4 - 26.9	7,800	25.4	20.8 - 30.1	3,300	43.4	39.3 - 47.6	5,700
Overweight before pregnancy	27.8	25.8 - 29.9	16,400	28.2	25.2 - 31.2	8,500	30.9	26.1 - 35.8	3,900	25.7	22.2 - 29.2	3,300
Obese before pregnancy	26.4	24.4 - 28.4	15,600	29.7	26.6 - 32.7	9,000	27.1	22.7 - 31.5	3,400	19.8	16.5 - 23.0	2,600
Inadequate weight gain during pregnancy	17.0	15.0 - 18.9	8,500	18.7	15.7 - 21.6	4,700	16.5	12.2 - 20.9	1,700	12.4	9.7 - 15.2	1,400
Excessive weight gain during pregnancy	44.9	42.5 - 47.3	22,500	43.3	39.7 - 47.0	11,000	44.0	38.6 - 49.3	4,600	48.4	44.1 - 52.8	5,600
Food insecurity during pregnancy	18.3	16.5 - 20.0	11,300	26.2	23.4 - 28.9	8,400	16.3	12.2 - 20.4	2,100	2.4	1.4 - 3.3	300
Intimate Partner Violence (IPV) and Depressive Symptoms												
Physical or psychological IPV during pregnancy	8.5	7.3 - 9.7	5,300	11.4	9.4 - 13.4	3,700	6.6	4.2 - 9.0	800	3.6	2.1 - 5.1	500
Prenatal depressive symptoms	16.0	14.4 - 17.7	10,000	20.7	18.0 - 23.4	6,700	12.7	9.6 - 15.7	1,600	8.5	6.3 - 10.7	1,100
Postpartum depressive symptoms	15.0	13.4 - 16.6	9,300	18.3	15.7 - 20.8	5,900	12.1	9.1 - 15.1	1,600	11.5	8.8 - 14.2	1,500
Hardships and Support during Pregnancy												
Experienced two or more hardships during childhood	29.4	27.3 - 31.4	17,800	35.0	31.9 - 38.1	10,900	25.3	20.8 - 29.8	3,200	20.6	17.3 - 24.0	2,700
Homeless or did not have a regular place to sleep	3.1	2.4 - 3.9	1,900	4.4	3.3 - 5.5	1,400	2.8*	0.6 - 5.0	400	--		
Moved due to problems paying rent or mortgage	6.4	5.3 - 7.4	3,900	10.2	8.3 - 12.1	3,300	3.3	1.8 - 4.7	400	0.8*	0.3 - 1.2	100
Woman or partner lost job	15.5	13.9 - 17.1	9,600	20.3	17.8 - 22.9	6,500	13.9	10.3 - 17.5	1,800	6.6	4.4 - 8.8	900
Woman or partner had pay or hours cut back	13.3	11.7 - 14.9	8,200	15.2	12.9 - 17.5	4,900	15.8	11.6 - 20.0	2,000	7.8	5.6 - 10.0	1,000
Became separated or divorced	9.1	7.7 - 10.5	5,600	11.9	9.8 - 13.9	3,800	8.9	5.4 - 12.5	1,100	1.9	1.0 - 2.8	200
Had no practical or emotional support	4.4	3.4 - 5.3	2,700	5.6	4.1 - 7.2	1,800	3.6	1.7 - 5.4	500	1.5*	0.5 - 2.5	200
Substance Use												
Any smoking, 3 months before pregnancy	12.4	10.9 - 13.9	7,700	15.0	12.6 - 17.3	4,800	10.9	7.2 - 14.6	1,400	8.5	6.3 - 10.7	1,100
Any smoking, 3rd trimester†	4.3	3.4 - 5.2	2,700	6.3	4.8 - 7.9	2,000	2.5	1.1 - 4.0	300	1.2*	0.2 - 2.3	200
Any smoking, postpartum	7.4	6.2 - 8.6	4,600	10.0	8.2 - 11.9	3,200	5.8	3.0 - 8.5	700	3.0	1.6 - 4.5	400
Any binge drinking, 3 months before pregnancy	14.6	13.0 - 16.2	9,000	12.5	10.3 - 14.8	4,000	18.8	14.5 - 23.1	2,400	18.9	15.8 - 22.0	2,400
Any alcohol use, 3rd trimester†	3.7	3.0 - 4.4	2,300	2.9	2.0 - 3.8	900	3.6	2.1 - 5.2	500	6.5	4.6 - 8.4	900
Pregnancy Intention and Family Planning												
Mistimed or unwanted pregnancy	33.0	30.9 - 35.0	20,500	41.4	38.2 - 44.6	13,300	30.2	25.7 - 34.7	3,900	15.8	12.9 - 18.7	2,100
Unsure of pregnancy intentions	15.3	13.7 - 17.0	9,500	18.2	15.6 - 20.8	5,900	14.6	10.6 - 18.6	1,900	7.8	5.9 - 9.7	1,000
Postpartum birth control use†	82.8	81.1 - 84.5	50,600	81.4	78.8 - 84.0	25,700	84.9	81.0 - 88.8	10,800	84.0	81.2 - 86.9	10,900
Infant Sleep and Breastfeeding												
Placed infant on back to sleep	77.9	76.1 - 79.8	47,700	75.3	72.4 - 78.1	23,800	80.3	76.1 - 84.5	10,200	83.4	80.6 - 86.3	10,800
Infant always or often shared bed	38.5	36.3 - 40.7	23,500	42.2	39.0 - 45.4	13,400	36.9	31.7 - 42.0	4,700	30.5	26.5 - 34.5	4,000
Intended to breastfeed, before birth	89.5	88.1 - 90.9	54,600	86.9	84.8 - 89.1	27,500	91.5	89.0 - 94.0	11,600	94.8	92.8 - 96.9	12,300
Intended to breastfeed exclusively, before birth	56.1	53.9 - 58.4	34,300	48.4	45.2 - 51.7	15,300	56.6	51.5 - 61.7	7,200	74.1	70.2 - 78.0	9,600
Breastfeeding practices												
Any breastfeeding, 1 month after delivery	75.1	73.2 - 77.1	45,400	70.2	67.2 - 73.2	21,900	78.1	74.0 - 82.1	9,800	85.9	82.9 - 88.8	11,100
Exclusive breastfeeding, 1 month after delivery	40.0	37.8 - 42.2	23,800	36.2	33.0 - 39.4	11,200	42.0	37.0 - 47.1	5,300	47.0	42.8 - 51.2	6,000
Any breastfeeding, 3 months after delivery	55.3	52.7 - 57.8	25,700	47.5	43.8 - 51.3	11,300	58.0	52.2 - 63.9	5,500	72.0	67.5 - 76.5	7,100
Exclusive breastfeeding, 3 months after delivery	22.5	20.6 - 24.5	10,400	16.8	14.1 - 19.5	4,000	24.6	20.1 - 29.2	2,400	34.9	30.5 - 39.2	3,400



MIHA Data Snapshot, San Joaquin Valley by Income, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley			0-100% Federal Poverty Guideline			101-200% Federal Poverty Guideline			> 200% Federal Poverty Guideline		
	%	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	68.1	66.0 - 70.2	42,500	62.8	59.7 - 66.0	20,300	65.1	60.1 - 70.1	8,400	84.5	81.4 - 87.5	11,100
Initiated prenatal care in 1st trimester	86.1	84.4 - 87.7	52,900	81.7	79.2 - 84.2	26,100	87.7	83.9 - 91.4	11,300	97.0	95.7 - 98.3	12,600
Mom or infant needed but couldn't afford care postpartum	11.6	10.2 - 13.0	7,000	12.0	10.0 - 14.1	3,800	15.2	11.7 - 18.8	1,900	6.8	4.7 - 8.8	900
Participated in WIC during pregnancy†	70.2	68.6 - 71.8	43,200	90.8	89.0 - 92.6	29,400	74.0	69.9 - 78.2	9,500	10.8	8.1 - 13.6	1,400
Received CalFresh (food stamps) during pregnancy	41.3	39.1 - 43.4	25,700	65.2	62.1 - 68.3	21,100	22.7	18.0 - 27.4	2,900	1.9*	0.7 - 3.0	200
Pre-pregnancy insurance												
Medi-Cal	42.0	39.9 - 44.1	26,200	61.0	57.9 - 64.2	19,800	31.4	26.3 - 36.6	4,100	3.2	1.7 - 4.7	400
Uninsured	23.1	21.1 - 25.0	14,400	27.8	24.8 - 30.7	9,000	28.7	24.1 - 33.3	3,700	5.2	3.4 - 7.1	700
Private	32.2	30.5 - 33.9	20,100	9.1	7.4 - 10.9	3,000	36.3	31.7 - 40.8	4,700	87.9	85.2 - 90.5	11,500
Prenatal insurance												
Medi-Cal	67.8	66.1 - 69.4	42,100	91.7	90.1 - 93.4	29,700	65.1	60.6 - 69.6	8,400	8.7	6.2 - 11.2	1,100
Uninsured	1.9	1.3 - 2.6	1,200	1.8	1.0 - 2.7	600	2.6*	0.8 - 4.4	300	0.8*	0.1 - 1.4	<100
Private	27.6	26.1 - 29.1	17,200	5.5	4.2 - 6.8	1,800	27.5	23.5 - 31.5	3,600	85.2	82.3 - 88.2	11,100
Maternal postpartum insurance												
Medi-Cal	55.7	53.7 - 57.8	34,600	80.4	77.8 - 83.0	25,900	45.1	39.9 - 50.2	5,800	5.6	3.7 - 7.6	700
Uninsured	12.7	11.1 - 14.3	7,900	12.9	10.6 - 15.2	4,200	19.7	15.5 - 23.8	2,500	3.6	2.0 - 5.2	500
Private	29.1	27.5 - 30.8	18,100	5.2	3.9 - 6.6	1,700	31.7	27.2 - 36.2	4,100	86.8	84.0 - 89.6	11,400
Infant health insurance												
Medi-Cal	69.2	67.4 - 70.9	42,100	92.9	91.3 - 94.4	29,100	67.9	63.5 - 72.4	8,600	11.0	8.4 - 13.5	1,400
Uninsured	2.5	1.8 - 3.1	1,500	2.1	1.2 - 3.0	700	4.2	2.4 - 6.0	500	1.6*	0.7 - 2.6	200
Private	25.9	24.3 - 27.4	15,700	3.7	2.6 - 4.9	1,200	23.5	19.6 - 27.4	3,000	83.8	80.9 - 86.8	10,900
Maternal Demographics												
Did not complete high school (or GED)	22.0	20.1 - 24.0	13,600	32.4	29.3 - 35.5	10,300	13.0	8.9 - 17.0	1,700	1.9	0.8 - 3.0	200
Unmarried	50.7	48.6 - 52.9	31,500	68.4	65.4 - 71.4	22,000	40.6	35.5 - 45.6	5,200	14.1	11.2 - 17.0	1,800
Race/Ethnicity												
White	25.2	23.5 - 27.0	15,700	14.5	12.2 - 16.7	4,700	25.4	21.2 - 29.7	3,300	53.9	49.7 - 58.1	6,900
Hispanic	61.4	59.4 - 63.4	38,100	72.3	69.5 - 75.0	23,500	64.4	59.6 - 69.2	8,300	28.6	24.8 - 32.4	3,700
Asian/Pacific Islander	8.0	6.7 - 9.4	5,000	6.0	4.3 - 7.7	1,900	6.6	3.7 - 9.5	800	15.0	11.4 - 18.7	1,900
Black	4.7	4.4 - 5.1	2,900	6.7	6.0 - 7.3	2,200	3.1	2.3 - 3.9	400	2.0	1.5 - 2.6	300
Born outside the U.S.	30.3	28.3 - 32.4	19,000	33.3	30.2 - 36.3	10,800	32.3	27.4 - 37.2	4,200	18.1	14.8 - 21.4	2,400
Speaks non-English language at home	28.1	26.0 - 30.1	17,400	32.2	29.2 - 35.3	10,400	30.3	25.3 - 35.3	3,900	11.9	9.0 - 14.7	1,500
Lives in a high poverty neighborhood	63.5	61.5 - 65.5	38,100	78.9	76.5 - 81.3	24,500	61.3	56.2 - 66.4	7,600	28.5	24.7 - 32.2	3,600

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Table Citation: Maternal and Infant Health Assessment (MIHA) Survey County and Regional Data Snapshots for Subgroups, 2013-2015. California Department of Public Health; 2018.



MIHA Data Snapshot, San Joaquin Valley by Maternal Age, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley			15-19 Years			20-34 Years			35 Years or Older		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		62,500	8.3	7.1 - 9.6	5,200	78.6	76.7 - 80.5	49,200	13.1	11.5 - 14.6	8,200
Health Status before Pregnancy												
In good to excellent health	89.9	88.4 - 91.3	56,100	89.0	83.2 - 94.9	4,600	90.1	88.5 - 91.7	44,300	89.2	85.5 - 92.9	7,200
Chronic conditions												
Diabetes†	2.7	1.9 - 3.5	1,700	1.0*	0.2 - 1.8	<100	2.1	1.4 - 2.8	1,000	7.6	3.5 - 11.7	600
Hypertension†	2.6	2.0 - 3.3	1,600	1.0*	0.2 - 1.7	<100	2.1	1.4 - 2.8	1,000	6.9	3.8 - 10.1	500
Asthma†	9.5	8.0 - 10.9	5,800	11.0	7.2 - 14.8	600	9.5	7.8 - 11.1	4,600	8.5	4.3 - 12.7	700
Nutrition and Weight												
Daily folic acid use, month before pregnancy	28.8	26.8 - 30.8	18,000	21.7	15.9 - 27.6	1,100	28.3	26.0 - 30.5	13,900	36.8	30.8 - 42.9	3,000
Overweight before pregnancy	27.8	25.8 - 29.9	16,400	23.5	16.7 - 30.2	1,200	28.5	26.1 - 30.8	13,200	26.8	21.3 - 32.4	2,000
Obese before pregnancy	26.4	24.4 - 28.4	15,600	13.0	7.9 - 18.2	700	26.2	23.9 - 28.4	12,200	36.7	30.6 - 42.7	2,700
Inadequate weight gain during pregnancy	17.0	15.0 - 18.9	8,500	18.8	11.6 - 26.1	800	16.6	14.5 - 18.8	6,700	17.9	13.0 - 22.8	1,000
Excessive weight gain during pregnancy	44.9	42.5 - 47.3	22,500	47.0	38.5 - 55.4	2,000	44.1	41.3 - 46.8	17,700	49.2	42.2 - 56.1	2,800
Food insecurity during pregnancy	18.3	16.5 - 20.0	11,300	18.8	12.7 - 24.9	1,000	18.8	16.8 - 20.8	9,200	14.8	11.0 - 18.6	1,200
Intimate Partner Violence (IPV) and Depressive Symptoms												
Physical or psychological IPV during pregnancy	8.5	7.3 - 9.7	5,300	15.5	10.4 - 20.6	800	7.8	6.5 - 9.2	3,800	8.1	4.9 - 11.2	700
Prenatal depressive symptoms	16.0	14.4 - 17.7	10,000	17.0	11.8 - 22.1	900	16.6	14.6 - 18.5	8,100	12.3	8.9 - 15.7	1,000
Postpartum depressive symptoms	15.0	13.4 - 16.6	9,300	13.5	8.7 - 18.3	700	15.6	13.8 - 17.5	7,700	11.9	8.3 - 15.5	1,000
Hardships and Support during Pregnancy												
Experienced two or more hardships during childhood	29.4	27.3 - 31.4	17,800	30.6	23.6 - 37.5	1,600	30.1	27.7 - 32.4	14,400	24.4	19.3 - 29.5	1,900
Homeless or did not have a regular place to sleep	3.1	2.4 - 3.9	1,900	6.9	3.1 - 10.8	400	2.7	1.9 - 3.6	1,300	2.8*	1.1 - 4.6	200
Moved due to problems paying rent or mortgage	6.4	5.3 - 7.4	3,900	6.9	3.4 - 10.4	400	6.7	5.4 - 7.9	3,300	4.3	2.2 - 6.4	300
Woman or partner lost job	15.5	13.9 - 17.1	9,600	12.0	7.8 - 16.2	600	15.9	14.0 - 17.7	7,700	15.3	10.8 - 19.9	1,200
Woman or partner had pay or hours cut back	13.3	11.7 - 14.9	8,200	7.1	3.1 - 11.0	400	13.9	12.1 - 15.8	6,800	13.4	9.1 - 17.7	1,100
Became separated or divorced	9.1	7.7 - 10.5	5,600	19.0	12.7 - 25.4	1,000	8.1	6.7 - 9.6	4,000	8.5	4.5 - 12.5	700
Had no practical or emotional support	4.4	3.4 - 5.3	2,700	5.2*	1.2 - 9.1	300	4.0	3.0 - 5.0	1,900	6.1	3.3 - 8.9	500
Substance Use												
Any smoking, 3 months before pregnancy	12.4	10.9 - 13.9	7,700	7.6	4.5 - 10.7	400	13.3	11.5 - 15.1	6,500	10.3	6.0 - 14.5	800
Any smoking, 3rd trimester†	4.3	3.4 - 5.2	2,700	2.0*	0.6 - 3.3	100	4.7	3.6 - 5.8	2,300	3.1	1.6 - 4.6	300
Any smoking, postpartum	7.4	6.2 - 8.6	4,600	4.8	2.3 - 7.3	200	8.1	6.7 - 9.6	4,000	4.4	2.5 - 6.3	400
Any binge drinking, 3 months before pregnancy	14.6	13.0 - 16.2	9,000	7.4	3.1 - 11.6	400	15.1	13.3 - 16.9	7,300	16.1	11.1 - 21.0	1,300
Any alcohol use, 3rd trimester†	3.7	3.0 - 4.4	2,300	--			3.8	3.0 - 4.6	1,800	5.2	2.9 - 7.5	400
Pregnancy Intention and Family Planning												
Mistimed or unwanted pregnancy	33.0	30.9 - 35.0	20,500	59.2	51.5 - 67.0	3,100	32.1	29.7 - 34.4	15,700	21.4	16.7 - 26.1	1,700
Unsure of pregnancy intentions	15.3	13.7 - 17.0	9,500	23.7	16.5 - 30.9	1,200	13.3	11.6 - 15.1	6,500	22.2	16.3 - 28.0	1,800
Postpartum birth control use†	82.8	81.1 - 84.5	50,600	79.3	72.9 - 85.7	4,100	83.3	81.3 - 85.2	40,000	82.3	77.7 - 86.8	6,600
Infant Sleep and Breastfeeding												
Placed infant on back to sleep	77.9	76.1 - 79.8	47,700	71.8	65.0 - 78.5	3,600	78.5	76.4 - 80.6	37,800	78.3	72.9 - 83.7	6,200
Infant always or often shared bed	38.5	36.3 - 40.7	23,500	38.8	31.2 - 46.5	1,900	37.9	35.4 - 40.3	18,200	42.0	35.5 - 48.4	3,300
Intended to breastfeed, before birth	89.5	88.1 - 90.9	54,600	85.8	80.0 - 91.5	4,300	90.1	88.7 - 91.6	43,300	88.1	83.7 - 92.5	7,000
Intended to breastfeed exclusively, before birth	56.1	53.9 - 58.4	34,300	50.7	42.7 - 58.7	2,600	57.1	54.6 - 59.6	27,500	53.7	47.3 - 60.1	4,300
Breastfeeding practices												
Any breastfeeding, 1 month after delivery	75.1	73.2 - 77.1	45,400	63.0	55.2 - 70.7	3,200	75.8	73.6 - 78.0	36,000	79.0	73.8 - 84.1	6,200
Exclusive breastfeeding, 1 month after delivery	40.0	37.8 - 42.2	23,800	32.9	25.5 - 40.3	1,600	42.5	40.0 - 45.0	20,000	28.7	23.7 - 33.8	2,200
Any breastfeeding, 3 months after delivery	55.3	52.7 - 57.8	25,700	31.3	23.3 - 39.4	1,200	56.3	53.4 - 59.2	20,400	64.3	57.6 - 71.1	4,100
Exclusive breastfeeding, 3 months after delivery	22.5	20.6 - 24.5	10,400	11.6	6.7 - 16.5	500	24.6	22.2 - 26.9	8,800	17.5	13.2 - 21.8	1,100



MIHA Data Snapshot, San Joaquin Valley by Maternal Age, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley				15-19 Years			20-34 Years			35 Years or Older					
	%	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	68.1	66.0	- 70.2	42,500	62.9	55.0	- 70.8	3,300	67.2	64.9	- 69.6	33,000	76.8	71.4	- 82.2	6,200
Initiated prenatal care in 1st trimester	86.1	84.4	- 87.7	52,900	78.4	72.0	- 84.7	3,900	86.8	85.0	- 88.6	42,200	86.5	81.6	- 91.4	6,800
Mom or infant needed but couldn't afford care postpartum	11.6	10.2	- 13.0	7,000	11.7	7.1	- 16.2	600	11.8	10.1	- 13.5	5,600	10.4	7.4	- 13.4	800
Participated in WIC during pregnancy†	70.2	68.6	- 71.8	43,200	92.8	89.8	- 95.9	4,800	70.0	68.1	- 71.9	33,900	56.6	50.5	- 62.7	4,600
Received CalFresh (food stamps) during pregnancy	41.3	39.1	- 43.4	25,700	44.2	36.3	- 52.2	2,300	42.2	39.7	- 44.6	20,600	34.1	28.0	- 40.2	2,800
Pre-pregnancy insurance																
Medi-Cal	42.0	39.9	- 44.1	26,200	65.9	58.5	- 73.2	3,400	41.4	39.0	- 43.8	20,300	30.4	24.3	- 36.4	2,500
Uninsured	23.1	21.1	- 25.0	14,400	16.9	10.5	- 23.2	900	24.0	21.8	- 26.2	11,800	21.3	15.9	- 26.8	1,700
Private	32.2	30.5	- 33.9	20,100	14.0	9.4	- 18.6	700	32.0	30.0	- 34.0	15,700	45.0	39.0	- 51.1	3,700
Prenatal insurance																
Medi-Cal	67.8	66.1	- 69.4	42,100	89.5	85.4	- 93.6	4,600	68.1	66.1	- 70.0	33,300	52.3	46.2	- 58.4	4,300
Uninsured	1.9	1.3	- 2.6	1,200	--				1.7	1.0	- 2.5	900	3.4*	0.9	- 5.8	300
Private	27.6	26.1	- 29.1	17,200	7.8	4.2	- 11.3	400	27.5	25.7	- 29.3	13,500	40.6	34.8	- 46.4	3,300
Maternal postpartum insurance																
Medi-Cal	55.7	53.7	- 57.8	34,600	87.1	82.5	- 91.8	4,500	55.1	52.7	- 57.4	26,900	39.7	33.4	- 45.9	3,200
Uninsured	12.7	11.1	- 14.3	7,900	5.5*	2.1	- 8.8	300	12.8	11.0	- 14.6	6,300	16.8	11.6	- 21.9	1,400
Private	29.1	27.5	- 30.8	18,100	6.2	3.3	- 9.2	300	29.4	27.5	- 31.4	14,400	41.9	35.9	- 47.8	3,400
Infant health insurance																
Medi-Cal	69.2	67.4	- 70.9	42,100	93.5	89.9	- 97.1	4,700	68.9	66.9	- 70.9	33,100	55.0	48.8	- 61.2	4,300
Uninsured	2.5	1.8	- 3.1	1,500	3.3*	0.4	- 6.2	200	2.5	1.8	- 3.2	1,200	1.9*	0.4	- 3.5	100
Private	25.9	24.3	- 27.4	15,700	1.8*	0.3	- 3.4	<100	26.1	24.2	- 27.9	12,500	40.1	34.2	- 46.1	3,100
Maternal Demographics																
Did not complete high school (or GED)	22.0	20.1	- 24.0	13,600	38.9	30.8	- 46.9	2,000	19.6	17.4	- 21.7	9,500	26.1	20.7	- 31.5	2,100
Unmarried	50.7	48.6	- 52.9	31,500	88.3	83.5	- 93.1	4,600	49.3	46.8	- 51.7	24,100	35.3	29.4	- 41.3	2,800
Race/Ethnicity																
White	25.2	23.5	- 27.0	15,700	12.2	7.8	- 16.7	600	26.7	24.6	- 28.8	13,000	24.6	19.9	- 29.4	2,000
Hispanic	61.4	59.4	- 63.4	38,100	78.5	73.2	- 83.9	4,100	60.0	57.6	- 62.3	29,200	59.4	53.4	- 65.4	4,800
Asian/Pacific Islander	8.0	6.7	- 9.4	5,000	2.4*	0.4	- 4.4	100	8.0	6.4	- 9.5	3,900	12.1	7.5	- 16.7	1,000
Black	4.7	4.4	- 5.1	2,900	6.4	4.2	- 8.6	300	4.7	4.3	- 5.2	2,300	3.7	2.5	- 4.9	300
Born outside the U.S.	30.3	28.3	- 32.4	19,000	12.0	7.4	- 16.7	600	28.7	26.5	- 31.0	14,100	51.5	45.3	- 57.7	4,200
Speaks non-English language at home	28.1	26.0	- 30.1	17,400	17.5	11.0	- 24.1	900	27.5	25.1	- 29.8	13,400	38.6	32.4	- 44.8	3,100
Lives in a high poverty neighborhood	63.5	61.5	- 65.5	38,100	78.2	72.5	- 84.0	3,900	63.6	61.3	- 65.8	30,000	53.8	47.4	- 60.2	4,200

-- Estimate not shown because the relative standard error (RSE) is greater than 50%, fewer than 5 women reported, or the weighted population denominator for the column is less than 100 women.

* 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. The sample size of San Joaquin Valley was 4,444. 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 and the region in 2013-2015. Population estimate (N) is a three-year average. 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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MIHA Data Snapshot, San Joaquin Valley by Neighborhood Poverty, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley			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		62,500	3.2	2.5 - 4.0	1,900	11.4	10.0 - 12.8	6,800	21.8	20.1 - 23.5	13,100	63.5	61.5 - 65.5	38,100
Health Status before Pregnancy															
In good to excellent health	89.9	88.4 - 91.3	56,100	--			96.7	94.9 - 98.6	6,600	93.0	91.1 - 94.9	12,100	87.4	85.3 - 89.6	33,300
Chronic conditions															
Diabetes†	2.7	1.9 - 3.5	1,700	--			1.6*	0.5 - 2.8	100	2.9*	0.6 - 5.1	400	3.0	2.0 - 4.0	1,100
Hypertension†	2.6	2.0 - 3.3	1,600	--			3.2*	1.3 - 5.1	200	2.9	1.6 - 4.2	400	2.6	1.6 - 3.6	1,000
Asthma†	9.5	8.0 - 10.9	5,800	23.7	11.5 - 36.0	500	7.5	4.3 - 10.6	500	10.7	7.6 - 13.8	1,400	8.7	6.9 - 10.5	3,300
Nutrition and Weight															
Daily folic acid use, month before pregnancy	28.8	26.8 - 30.8	18,000	26.8	16.5 - 37.2	500	39.4	32.8 - 46.0	2,700	31.8	27.8 - 35.8	4,100	25.6	23.0 - 28.2	9,700
Overweight before pregnancy	27.8	25.8 - 29.9	16,400	16.4	8.8 - 24.0	300	25.2	19.8 - 30.6	1,700	26.9	22.9 - 30.9	3,400	28.7	25.9 - 31.5	10,200
Obese before pregnancy	26.4	24.4 - 28.4	15,600	18.4	7.8 - 28.9	400	15.0	11.0 - 19.1	1,000	22.4	18.9 - 25.8	2,800	30.9	28.1 - 33.7	11,000
Inadequate weight gain during pregnancy	17.0	15.0 - 18.9	8,500	19.8	9.8 - 29.8	300	15.9	10.9 - 20.8	900	11.9	9.2 - 14.5	1,300	19.0	16.2 - 21.8	5,700
Excessive weight gain during pregnancy	44.9	42.5 - 47.3	22,500	46.7	33.9 - 59.5	700	43.8	36.7 - 50.9	2,500	51.1	46.6 - 55.7	5,600	42.7	39.4 - 46.0	12,800
Food insecurity during pregnancy	18.3	16.5 - 20.0	11,300	7.7*	1.4 - 13.9	100	10.8	6.6 - 14.9	700	12.9	10.2 - 15.6	1,700	21.7	19.3 - 24.2	8,200
Intimate Partner Violence (IPV) and Depressive Symptoms															
Physical or psychological IPV during pregnancy	8.5	7.3 - 9.7	5,300	5.9*	0.6 - 11.3	100	5.7	2.5 - 8.9	400	6.7	4.8 - 8.5	900	9.5	7.7 - 11.2	3,600
Prenatal depressive symptoms	16.0	14.4 - 17.7	10,000	15.1	6.4 - 23.8	300	11.3	7.2 - 15.4	800	13.3	10.4 - 16.1	1,700	18.1	15.7 - 20.4	6,800
Postpartum depressive symptoms	15.0	13.4 - 16.6	9,300	9.0*	3.5 - 14.5	200	11.7	7.3 - 16.0	800	12.3	9.7 - 14.8	1,600	16.8	14.6 - 19.1	6,400
Hardships and Support during Pregnancy															
Experienced two or more hardships during childhood	29.4	27.3 - 31.4	17,800	21.3	11.0 - 31.6	400	23.2	17.9 - 28.5	1,600	27.6	23.7 - 31.4	3,500	31.6	28.7 - 34.4	11,600
Homeless or did not have a regular place to sleep	3.1	2.4 - 3.9	1,900	--			0.8*	0.0 - 1.5	<100	1.9	1.1 - 2.7	200	3.9	2.8 - 5.1	1,500
Moved due to problems paying rent or mortgage	6.4	5.3 - 7.4	3,900	--			4.2*	1.5 - 6.8	300	4.3	2.9 - 5.7	600	7.4	5.8 - 8.9	2,800
Woman or partner lost job	15.5	13.9 - 17.1	9,600	11.6*	3.7 - 19.5	200	13.4	8.3 - 18.4	900	13.1	9.8 - 16.4	1,700	16.8	14.6 - 18.9	6,300
Woman or partner had pay or hours cut back	13.3	11.7 - 14.9	8,200	10.6*	0.3 - 20.8	200	8.3	4.2 - 12.3	600	10.9	8.6 - 13.2	1,400	14.7	12.5 - 16.9	5,500
Became separated or divorced	9.1	7.7 - 10.5	5,600	--			4.1	1.7 - 6.6	300	8.3	5.4 - 11.3	1,100	10.8	8.9 - 12.8	4,100
Had no practical or emotional support	4.4	3.4 - 5.3	2,700	--			1.3*	0.2 - 2.4	<100	2.6	1.5 - 3.8	300	5.7	4.2 - 7.1	2,200
Substance Use															
Any smoking, 3 months before pregnancy	12.4	10.9 - 13.9	7,700	7.5*	1.6 - 13.5	100	11.1	6.7 - 15.6	800	13.0	9.8 - 16.3	1,700	12.7	10.6 - 14.7	4,800
Any smoking, 3rd trimester†	4.3	3.4 - 5.2	2,700	--			--			4.9	2.9 - 6.8	600	4.7	3.4 - 5.9	1,800
Any smoking, postpartum	7.4	6.2 - 8.6	4,600	--			3.8*	1.2 - 6.4	300	7.4	5.1 - 9.7	1,000	8.2	6.5 - 9.9	3,100
Any binge drinking, 3 months before pregnancy	14.6	13.0 - 16.2	9,000	20.6	10.3 - 30.9	400	14.5	10.2 - 18.9	1,000	17.8	14.5 - 21.2	2,300	13.3	11.2 - 15.5	5,000
Any alcohol use, 3rd trimester†	3.7	3.0 - 4.4	2,300	9.1*	1.7 - 16.5	200	5.6	3.3 - 8.0	400	5.6	3.9 - 7.2	700	2.5	1.8 - 3.3	1,000
Pregnancy Intention and Family Planning															
Mistimed or unwanted pregnancy	33.0	30.9 - 35.0	20,500	17.1	8.6 - 25.7	300	22.3	17.1 - 27.6	1,500	30.3	26.5 - 34.1	3,900	36.5	33.6 - 39.4	13,800
Unsure of pregnancy intentions	15.3	13.7 - 17.0	9,500	13.0*	2.3 - 23.7	200	10.2	6.0 - 14.3	700	14.8	11.4 - 18.3	1,900	16.6	14.3 - 18.8	6,300
Postpartum birth control use†	82.8	81.1 - 84.5	50,600	83.7	74.8 - 92.5	1,600	80.3	75.1 - 85.6	5,500	84.4	81.3 - 87.6	10,800	82.6	80.2 - 84.9	30,600
Infant Sleep and Breastfeeding															
Placed infant on back to sleep	77.9	76.1 - 79.8	47,700	75.7	63.3 - 88.1	1,500	81.5	76.7 - 86.3	5,500	81.5	78.2 - 84.9	10,500	76.4	73.8 - 78.9	28,300
Infant always or often shared bed	38.5	36.3 - 40.7	23,500	33.5	20.9 - 46.2	700	30.2	23.8 - 36.7	2,000	35.4	31.2 - 39.7	4,600	41.1	38.2 - 44.1	15,200
Intended to breastfeed, before birth	89.5	88.1 - 90.9	54,600	96.9*	94.0 - 99.7	1,900	92.7	89.2 - 96.1	6,200	91.0	88.4 - 93.7	11,700	88.2	86.3 - 90.1	32,600
Intended to breastfeed exclusively, before birth	56.1	53.9 - 58.4	34,300	77.0	67.3 - 86.6	1,500	70.3	64.1 - 76.6	4,700	64.0	59.7 - 68.4	8,200	50.1	47.1 - 53.1	18,500
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	75.1	73.2 - 77.1	45,400	85.1	78.2 - 92.0	1,600	82.7	77.4 - 88.0	5,500	78.7	75.2 - 82.2	10,100	72.2	69.4 - 74.9	26,400
Exclusive breastfeeding, 1 month after delivery	40.0	37.8 - 42.2	23,800	55.5	43.3 - 67.8	1,100	48.7	42.0 - 55.4	3,200	42.2	37.9 - 46.4	5,300	36.8	33.9 - 39.7	13,200
Any breastfeeding, 3 months after delivery	55.3	52.7 - 57.8	25,700	71.0	59.6 - 82.5	1,100	67.8	60.6 - 75.0	3,600	62.3	57.4 - 67.2	6,000	49.9	46.5 - 53.4	14,000
Exclusive breastfeeding, 3 months after delivery	22.5	20.6 - 24.5	10,400	27.0	15.9 - 38.0	400	37.1	29.9 - 44.4	1,900	27.9	23.6 - 32.1	2,600	18.0	15.7 - 20.3	5,000



MIHA Data Snapshot, San Joaquin Valley by Neighborhood Poverty, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley			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
Service Utilization and Health Insurance Coverage															
Had a usual source of pre-pregnancy care	68.1	66.0 - 70.2	42,500	71.1	58.4 - 83.8	1,400	72.1	65.9 - 78.3	4,900	70.2	66.1 - 74.2	9,100	66.7	63.8 - 69.5	25,300
Initiated prenatal care in 1st trimester	86.1	84.4 - 87.7	52,900	93.6*	87.8 - 99.5	1,800	92.4	89.1 - 95.6	6,200	86.4	82.7 - 90.0	11,100	84.6	82.4 - 86.8	31,800
Mom or infant needed but couldn't afford care postpartum	11.6	10.2 - 13.0	7,000	9.2*	2.3 - 16.0	200	8.0	4.4 - 11.7	500	10.6	8.4 - 12.8	1,300	12.3	10.3 - 14.3	4,500
Participated in WIC during pregnancy†	70.2	68.6 - 71.8	43,200	28.2	15.2 - 41.2	500	36.9	30.4 - 43.3	2,400	54.9	50.7 - 59.0	7,000	82.0	80.0 - 84.0	31,000
Received CalFresh (food stamps) during pregnancy	41.3	39.1 - 43.4	25,700	9.7*	1.8 - 17.7	200	16.6	11.3 - 21.8	1,100	28.1	23.9 - 32.2	3,600	51.2	48.2 - 54.2	19,400
Pre-pregnancy insurance															
Medi-Cal	42.0	39.9 - 44.1	26,200	7.6*	0.7 - 14.5	100	17.3	12.4 - 22.2	1,200	29.2	24.9 - 33.4	3,800	51.8	48.9 - 54.8	19,700
Uninsured	23.1	21.1 - 25.0	14,400	11.0*	0.5 - 21.4	200	14.8	10.0 - 19.6	1,000	17.7	14.4 - 20.9	2,300	27.0	24.3 - 29.7	10,300
Private	32.2	30.5 - 33.9	20,100	74.4	62.3 - 86.6	1,400	63.9	57.5 - 70.3	4,400	48.9	44.7 - 53.1	6,400	19.8	17.8 - 21.9	7,500
Prenatal insurance															
Medi-Cal	67.8	66.1 - 69.4	42,100	17.4	7.5 - 27.3	300	31.4	25.3 - 37.5	2,100	50.5	46.3 - 54.7	6,600	81.9	80.0 - 83.8	31,000
Uninsured	1.9	1.3 - 2.6	1,200	--			2.1*	0.4 - 3.8	100	1.7*	0.2 - 3.2	200	1.9	1.0 - 2.7	700
Private	27.6	26.1 - 29.1	17,200	64.4	51.5 - 77.2	1,300	61.3	54.9 - 67.8	4,100	43.7	39.7 - 47.8	5,700	15.4	13.7 - 17.1	5,800
Maternal postpartum insurance															
Medi-Cal	55.7	53.7 - 57.8	34,600	15.1	6.5 - 23.8	300	27.0	21.3 - 32.6	1,800	41.5	37.2 - 45.8	5,400	67.3	64.6 - 70.0	25,400
Uninsured	12.7	11.1 - 14.3	7,900	--			6.7	3.3 - 10.1	500	8.0	5.7 - 10.3	1,000	15.0	12.7 - 17.2	5,700
Private	29.1	27.5 - 30.8	18,100	65.3	52.7 - 77.9	1,300	61.6	55.2 - 68.0	4,200	46.4	42.2 - 50.6	6,000	16.9	15.0 - 18.8	6,400
Infant health insurance															
Medi-Cal	69.2	67.4 - 70.9	42,100	26.7	15.2 - 38.2	500	34.6	28.4 - 40.7	2,300	54.6	50.4 - 58.8	6,900	82.1	80.1 - 84.0	30,400
Uninsured	2.5	1.8 - 3.1	1,500	--			--			3.1	1.8 - 4.5	400	2.2	1.5 - 3.0	800
Private	25.9	24.3 - 27.4	15,700	58.7	46.0 - 71.5	1,100	59.6	53.2 - 66.0	3,900	38.3	34.3 - 42.2	4,900	14.6	12.8 - 16.4	5,400
Maternal Demographics															
Age															
15-19	8.3	7.1 - 9.6	5,200	--			2.9	1.3 - 4.6	200	6.4	4.4 - 8.4	800	10.3	8.5 - 12.2	3,900
20-34	78.6	76.7 - 80.5	49,200	73.5	61.4 - 85.7	1,400	82.4	77.8 - 86.9	5,600	77.4	73.4 - 81.3	10,100	78.7	76.2 - 81.2	30,000
35+	13.1	11.5 - 14.6	8,200	23.4	11.5 - 35.3	500	14.7	10.4 - 19.0	1,000	16.2	12.5 - 19.9	2,100	11.0	9.2 - 12.8	4,200
Did not complete high school (or GED)	22.0	20.1 - 24.0	13,600	--			6.6	3.3 - 9.9	400	10.7	8.0 - 13.4	1,400	29.1	26.3 - 32.0	10,900
Unmarried	50.7	48.6 - 52.9	31,500	18.4	8.9 - 28.0	400	25.4	19.7 - 31.0	1,700	39.2	34.9 - 43.4	5,100	60.0	57.1 - 62.9	22,700
Race/Ethnicity															
White	25.2	23.5 - 27.0	15,700	55.3	42.7 - 68.0	1,000	48.4	41.8 - 55.0	3,300	36.3	32.4 - 40.3	4,700	16.5	14.4 - 18.7	6,300
Hispanic	61.4	59.4 - 63.4	38,100	24.8	14.9 - 34.6	500	33.5	27.3 - 39.6	2,300	48.6	44.3 - 53.0	6,300	71.8	69.2 - 74.3	27,300
Asian/Pacific Islander	8.0	6.7 - 9.4	5,000	18.2*	6.0 - 30.5	300	14.7	8.7 - 20.8	1,000	10.4	7.7 - 13.1	1,300	5.8	4.3 - 7.3	2,200
Black	4.7	4.4 - 5.1	2,900	1.2*	0.0 - 2.3	<100	2.8	1.6 - 4.1	200	4.3	3.4 - 5.3	600	5.3	4.7 - 5.8	2,000
Born outside the U.S.	30.3	28.3 - 32.4	19,000	22.0	10.1 - 33.8	400	17.9	13.0 - 22.8	1,200	23.7	20.0 - 27.4	3,100	34.5	31.6 - 37.3	13,100
Speaks non-English language at home	28.1	26.0 - 30.1	17,400	11.6*	4.6 - 18.5	200	15.8	10.5 - 21.0	1,100	20.8	17.0 - 24.6	2,700	33.2	30.3 - 36.1	12,600
Income as a percent of the Federal Poverty Guideline															
0-100%	55.5	53.4 - 57.6	32,500	18.0	7.9 - 28.2	300	25.3	19.3 - 31.3	1,600	37.5	33.3 - 41.7	4,600	68.5	65.8 - 71.3	24,500
101-200%	22.1	20.1 - 24.1	12,900	21.1	8.7 - 33.5	400	15.3	10.4 - 20.2	1,000	28.0	23.6 - 32.4	3,400	21.3	18.7 - 23.8	7,600
> 200%	22.4	20.9 - 23.9	13,100	60.8	47.8 - 73.8	1,200	59.4	52.7 - 66.1	3,800	34.5	30.6 - 38.4	4,200	10.2	8.7 - 11.7	3,600

-- Estimate not shown because the relative standard error (RSE) is greater than 50%, fewer than 5 women reported, or the weighted population denominator for the column is less than 100 women.

* 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. The sample size of San Joaquin Valley was 4,444. 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 and the region 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.



MIHA Data Snapshot, San Joaquin Valley by Prenatal Health Insurance, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley			Medi-Cal			Private		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		62,500	67.8	66.1 - 69.4	42,100	27.6	26.1 - 29.1	17,200
Health Status before Pregnancy									
In good to excellent health	89.9	88.4 - 91.3	56,100	87.4	85.4 - 89.4	36,800	96.6	95.4 - 97.8	16,500
Chronic conditions									
Diabetes†	2.7	1.9 - 3.5	1,700	3.4	2.3 - 4.5	1,400	1.3	0.6 - 2.0	200
Hypertension†	2.6	2.0 - 3.3	1,600	2.5	1.6 - 3.4	1,000	3.0	2.0 - 4.0	500
Asthma†	9.5	8.0 - 10.9	5,800	9.6	7.7 - 11.4	4,000	10.2	7.8 - 12.5	1,700
Nutrition and Weight									
Daily folic acid use, month before pregnancy	28.8	26.8 - 30.8	18,000	24.0	21.5 - 26.5	10,100	39.7	36.1 - 43.3	6,800
Overweight before pregnancy	27.8	25.8 - 29.9	16,400	29.4	26.7 - 32.2	11,500	24.8	21.8 - 27.7	4,200
Obese before pregnancy	26.4	24.4 - 28.4	15,600	27.8	25.2 - 30.4	10,900	23.2	20.1 - 26.2	3,900
Inadequate weight gain during pregnancy	17.0	15.0 - 18.9	8,500	19.0	16.4 - 21.6	6,300	13.4	11.0 - 15.7	2,000
Excessive weight gain during pregnancy	44.9	42.5 - 47.3	22,500	42.6	39.4 - 45.7	14,000	48.1	44.3 - 52.0	7,100
Food insecurity during pregnancy	18.3	16.5 - 20.0	11,300	23.7	21.3 - 26.1	9,900	6.3	4.5 - 8.0	1,100
Intimate Partner Violence (IPV) and Depressive Symptoms									
Physical or psychological IPV during pregnancy	8.5	7.3 - 9.7	5,300	10.3	8.6 - 11.9	4,300	4.2	2.7 - 5.6	700
Prenatal depressive symptoms	16.0	14.4 - 17.7	10,000	18.6	16.4 - 20.8	7,800	9.5	7.5 - 11.6	1,600
Postpartum depressive symptoms	15.0	13.4 - 16.6	9,300	16.3	14.2 - 18.4	6,800	11.9	9.4 - 14.3	2,000
Hardships and Support during Pregnancy									
Experienced two or more hardships during childhood	29.4	27.3 - 31.4	17,800	32.6	29.8 - 35.3	13,300	21.8	18.8 - 24.7	3,600
Homeless or did not have a regular place to sleep	3.1	2.4 - 3.9	1,900	4.1	3.1 - 5.2	1,700	0.6 *	0.2 - 1.0	100
Moved due to problems paying rent or mortgage	6.4	5.3 - 7.4	3,900	8.0	6.5 - 9.5	3,300	2.4	1.4 - 3.5	400
Woman or partner lost job	15.5	13.9 - 17.1	9,600	18.5	16.3 - 20.7	7,700	8.3	6.1 - 10.5	1,400
Woman or partner had pay or hours cut back	13.3	11.7 - 14.9	8,200	14.5	12.4 - 16.5	6,000	8.9	6.8 - 10.9	1,500
Became separated or divorced	9.1	7.7 - 10.5	5,600	12.0	10.1 - 13.9	5,000	2.6	1.6 - 3.6	400
Had no practical or emotional support	4.4	3.4 - 5.3	2,700	5.5	4.2 - 6.8	2,300	1.6	0.8 - 2.5	300
Substance Use									
Any smoking, 3 months before pregnancy	12.4	10.9 - 13.9	7,700	13.8	11.8 - 15.9	5,800	8.0	6.3 - 9.8	1,400
Any smoking, 3rd trimester†	4.3	3.4 - 5.2	2,700	5.0	3.9 - 6.2	2,100	1.5	0.7 - 2.3	300
Any smoking, postpartum	7.4	6.2 - 8.6	4,600	8.7	7.0 - 10.3	3,600	3.5	2.3 - 4.7	600
Any binge drinking, 3 months before pregnancy	14.6	13.0 - 16.2	9,000	12.7	10.7 - 14.7	5,300	19.4	16.5 - 22.4	3,300
Any alcohol use, 3rd trimester†	3.7	3.0 - 4.4	2,300	2.2	1.5 - 2.9	900	6.8	5.1 - 8.5	1,200
Pregnancy Intention and Family Planning									
Mistimed or unwanted pregnancy	33.0	30.9 - 35.0	20,500	38.3	35.5 - 41.0	16,000	21.0	18.1 - 23.9	3,600
Unsure of pregnancy intentions	15.3	13.7 - 17.0	9,500	17.5	15.2 - 19.7	7,300	10.3	8.1 - 12.5	1,700
Postpartum birth control use†	82.8	81.1 - 84.5	50,600	82.3	80.0 - 84.5	33,800	85.1	82.7 - 87.5	14,400
Infant Sleep and Breastfeeding									
Placed infant on back to sleep	77.9	76.1 - 79.8	47,700	76.9	74.5 - 79.3	31,600	82.4	79.7 - 85.0	14,000
Infant always or often shared bed	38.5	36.3 - 40.7	23,500	41.5	38.7 - 44.3	17,100	30.0	26.6 - 33.5	5,100
Intended to breastfeed, before birth	89.5	88.1 - 90.9	54,600	87.7	85.9 - 89.5	36,000	94.4	92.7 - 96.1	16,100
Intended to breastfeed exclusively, before birth	56.1	53.9 - 58.4	34,300	49.6	46.7 - 52.5	20,300	70.5	67.0 - 74.1	12,000
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	75.1	73.2 - 77.1	45,400	71.3	68.7 - 73.9	28,900	84.1	81.3 - 86.8	14,200
Exclusive breastfeeding, 1 month after delivery	40.0	37.8 - 42.2	23,800	37.7	34.9 - 40.5	15,000	45.4	41.7 - 49.0	7,600
Any breastfeeding, 3 months after delivery	55.3	52.7 - 57.8	25,700	49.7	46.4 - 53.0	15,500	67.5	63.5 - 71.4	8,700
Exclusive breastfeeding, 3 months after delivery	22.5	20.6 - 24.5	10,400	18.5	16.1 - 20.9	5,700	31.6	27.9 - 35.2	4,000



MIHA Data Snapshot, San Joaquin Valley by Prenatal Health Insurance, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley				Medi-Cal				Private			
	%	95% CI		N	%	95% CI		N	%	95% CI		N
Service Utilization and Health Insurance Coverage												
Had a usual source of pre-pregnancy care	68.1	66.0	- 70.2	42,500	62.6	59.8	- 65.3	26,300	84.1	81.4	- 86.9	14,400
Initiated prenatal care in 1st trimester	86.1	84.4	- 87.7	52,900	82.9	80.7	- 85.2	34,300	94.9	93.2	- 96.6	16,100
Mom or infant needed but couldn't afford care postpartum	11.6	10.2	- 13.0	7,000	13.1	11.2	- 15.0	5,300	7.6	5.7	- 9.5	1,300
Participated in WIC during pregnancy†	70.2	68.6	- 71.8	43,200	90.1	88.4	- 91.7	37,800	21.2	18.2	- 24.3	3,500
Received CalFresh (food stamps) during pregnancy	41.3	39.1	- 43.4	25,700	58.4	55.5	- 61.2	24,500	3.4	2.0	- 4.8	600
Pre-pregnancy insurance												
Medi-Cal	42.0	39.9	- 44.1	26,200	60.6	57.9	- 63.4	25,500	1.1 *	0.3	- 1.9	200
Uninsured	23.1	21.1	- 25.0	14,400	29.8	27.2	- 32.4	12,500	2.9	1.4	- 4.5	500
Private	32.2	30.5	- 33.9	20,100	8.4	6.9	- 9.9	3,500	95.7	93.9	- 97.4	16,300
Maternal postpartum insurance												
Medi-Cal	55.7	53.7	- 57.8	34,600	78.5	76.1	- 80.9	32,900	4.5	3.1	- 6.0	800
Uninsured	12.7	11.1	- 14.3	7,900	15.9	13.8	- 18.0	6,700	2.9	1.6	- 4.2	500
Private	29.1	27.5	- 30.8	18,100	4.7	3.5	- 6.0	2,000	92.3	90.4	- 94.3	15,800
Infant health insurance												
Medi-Cal	69.2	67.4	- 70.9	42,100	93.7	92.3	- 95.0	38,300	13.3	10.7	- 15.8	2,200
Uninsured	2.5	1.8	- 3.1	1,500	2.3	1.5	- 3.1	900	3.0	1.9	- 4.1	500
Private	25.9	24.3	- 27.4	15,700	3.1	2.1	- 4.0	1,300	83.3	80.7	- 86.0	14,100
Maternal Demographics												
Age												
15-19	8.3	7.1	- 9.6	5,200	10.8	9.1	- 12.6	4,600	2.3	1.2	- 3.4	400
20-34	78.6	76.7	- 80.5	49,200	79.1	76.7	- 81.4	33,300	78.4	75.2	- 81.5	13,500
35+	13.1	11.5	- 14.6	8,200	10.1	8.4	- 11.9	4,300	19.3	16.3	- 22.3	3,300
Did not complete high school (or GED)	22.0	20.1	- 24.0	13,600	30.0	27.3	- 32.7	12,400	2.4	1.2	- 3.7	400
Unmarried	50.7	48.6	- 52.9	31,500	64.3	61.6	- 67.0	26,900	19.9	17.1	- 22.8	3,400
Race/Ethnicity												
White	25.2	23.5	- 27.0	15,700	14.6	12.6	- 16.6	6,100	49.9	46.3	- 53.6	8,400
Hispanic	61.4	59.4	- 63.4	38,100	72.9	70.5	- 75.3	30,700	35.7	32.2	- 39.3	6,000
Asian/Pacific Islander	8.0	6.7	- 9.4	5,000	6.3	4.9	- 7.8	2,700	11.4	8.6	- 14.2	1,900
Black	4.7	4.4	- 5.1	2,900	5.7	5.2	- 6.1	2,400	2.4	1.8	- 3.1	400
Born outside the U.S.	30.3	28.3	- 32.4	19,000	34.9	32.2	- 37.6	14,700	18.3	15.5	- 21.2	3,100
Speaks non-English language at home	28.1	26.0	- 30.1	17,400	34.2	31.5	- 37.0	14,300	14.0	11.4	- 16.7	2,400
Lives in a high poverty neighborhood	63.5	61.5	- 65.5	38,100	77.4	75.1	- 79.7	31,000	34.4	31.0	- 37.9	5,800
Income as a percent of the Federal Poverty Guideline												
0-100%	55.5	53.4	- 57.6	32,500	75.6	73.0	- 78.2	29,700	10.8	8.3	- 13.3	1,800
101-200%	22.1	20.1	- 24.1	12,900	21.5	18.9	- 24.0	8,400	21.6	18.6	- 24.6	3,600
> 200%	22.4	20.9	- 23.9	13,100	2.9	2.0	- 3.8	1,100	67.6	64.1	- 71.0	11,100

-- Estimate not shown because the relative standard error (RSE) is greater than 50%, fewer than 5 women reported, or the weighted population denominator for the column is less than 100 women.

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

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MIHA Data Snapshot, San Joaquin Valley by Race/Ethnicity, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley			Hispanic			Black			White			Asian/Pacific Islander		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		62,500	61.4	59.4 - 63.4	38,100	4.7	4.4 - 5.1	2,900	25.2	23.5 - 27.0	15,700	8.0	6.7 - 9.4	5,000
Health Status before Pregnancy															
In good to excellent health	89.9	88.4 - 91.3	56,100	89.0	87.1 - 90.9	33,900	85.8	81.9 - 89.8	2,500	93.1	90.5 - 95.7	14,600	89.0*	82.3 - 95.7	4,400
Chronic conditions															
Diabetes†	2.7	1.9 - 3.5	1,700	3.2	2.1 - 4.4	1,200	3.5	1.7 - 5.2	<100	1.4*	0.4 - 2.5	200	2.7*	0.6 - 4.9	100
Hypertension†	2.6	2.0 - 3.3	1,600	2.2	1.3 - 3.1	800	6.8	4.4 - 9.3	200	2.4	1.4 - 3.4	400	4.4*	0.6 - 8.3	200
Asthma†	9.5	8.0 - 10.9	5,800	6.9	5.1 - 8.7	2,600	23.9	18.4 - 29.4	700	14.8	11.5 - 18.1	2,300	--		
Nutrition and Weight															
Daily folic acid use, month before pregnancy	28.8	26.8 - 30.8	18,000	25.6	22.9 - 28.3	9,700	24.9	20.4 - 29.5	700	34.1	30.4 - 37.8	5,300	38.4	29.9 - 47.0	1,900
Overweight before pregnancy	27.8	25.8 - 29.9	16,400	30.9	28.1 - 33.8	10,800	27.5	22.4 - 32.6	800	23.9	20.3 - 27.6	3,700	20.0	13.6 - 26.4	1,000
Obese before pregnancy	26.4	24.4 - 28.4	15,600	28.3	25.5 - 31.0	9,900	33.4	28.0 - 38.8	1,000	23.7	20.3 - 27.1	3,700	17.5	10.6 - 24.4	900
Inadequate weight gain during pregnancy	17.0	15.0 - 18.9	8,500	18.7	16.1 - 21.4	5,500	12.1	8.6 - 15.6	300	12.6	9.7 - 15.5	1,700	23.4	14.9 - 31.9	1,000
Excessive weight gain during pregnancy	44.9	42.5 - 47.3	22,500	42.1	38.8 - 45.4	12,400	55.6	49.4 - 61.7	1,300	50.9	46.7 - 55.2	6,900	37.1	27.5 - 46.6	1,600
Food insecurity during pregnancy	18.3	16.5 - 20.0	11,300	19.6	17.2 - 22.0	7,400	29.5	24.2 - 34.9	900	15.3	11.9 - 18.6	2,400	13.3	8.4 - 18.2	700
Intimate Partner Violence (IPV) and Depressive Symptoms															
Physical or psychological IPV during pregnancy	8.5	7.3 - 9.7	5,300	9.2	7.4 - 10.9	3,500	18.0	13.7 - 22.4	500	6.2	4.3 - 8.2	1,000	5.4*	1.6 - 9.2	300
Prenatal depressive symptoms	16.0	14.4 - 17.7	10,000	17.1	14.8 - 19.4	6,500	29.2	23.9 - 34.4	900	12.4	9.7 - 15.1	1,900	11.6	6.7 - 16.5	600
Postpartum depressive symptoms	15.0	13.4 - 16.6	9,300	15.4	13.2 - 17.6	5,800	22.9	18.0 - 27.9	700	13.9	11.0 - 16.8	2,200	11.3	6.3 - 16.4	600
Hardships and Support during Pregnancy															
Experienced two or more hardships during childhood	29.4	27.3 - 31.4	17,800	29.1	26.3 - 31.9	10,700	40.2	34.5 - 46.0	1,100	32.8	28.8 - 36.8	5,000	12.6	7.4 - 17.9	600
Homeless or did not have a regular place to sleep	3.1	2.4 - 3.9	1,900	3.2	2.1 - 4.3	1,200	11.8	8.3 - 15.3	300	1.9	1.1 - 2.8	300	--		
Moved due to problems paying rent or mortgage	6.4	5.3 - 7.4	3,900	6.3	4.8 - 7.8	2,400	16.4	12.2 - 20.6	500	5.9	4.2 - 7.6	900	3.0*	0.6 - 5.5	100
Woman or partner lost job	15.5	13.9 - 17.1	9,600	16.0	13.8 - 18.3	6,000	20.7	16.4 - 25.0	600	14.5	11.5 - 17.5	2,300	12.5	7.0 - 18.0	600
Woman or partner had pay or hours cut back	13.3	11.7 - 14.9	8,200	12.6	10.7 - 14.5	4,700	16.6	12.7 - 20.5	500	14.7	11.3 - 18.2	2,300	13.8	6.6 - 20.9	700
Became separated or divorced	9.1	7.7 - 10.5	5,600	10.4	8.4 - 12.5	3,900	26.8	21.6 - 31.9	800	5.0	3.2 - 6.8	800	2.8*	0.6 - 4.9	100
Had no practical or emotional support	4.4	3.4 - 5.3	2,700	5.3	3.9 - 6.6	2,000	5.4	3.3 - 7.6	200	2.0	0.8 - 3.1	300	4.8*	1.0 - 8.7	200
Substance Use															
Any smoking, 3 months before pregnancy	12.4	10.9 - 13.9	7,700	7.2	5.5 - 8.8	2,700	23.7	18.7 - 28.6	700	24.4	20.6 - 28.3	3,800	8.6*	3.0 - 14.3	400
Any smoking, 3rd trimester†	4.3	3.4 - 5.2	2,700	1.8	1.0 - 2.5	700	11.6	7.7 - 15.5	300	9.9	7.1 - 12.8	1,600	--		
Any smoking, postpartum	7.4	6.2 - 8.6	4,600	3.1	2.2 - 4.0	1,200	19.9	15.3 - 24.6	600	16.4	12.8 - 20.0	2,600	4.5*	0.3 - 8.6	200
Any binge drinking, 3 months before pregnancy	14.6	13.0 - 16.2	9,000	13.1	11.0 - 15.3	4,900	12.4	8.6 - 16.2	400	19.9	16.8 - 23.1	3,100	11.2	5.3 - 17.1	600
Any alcohol use, 3rd trimester†	3.7	3.0 - 4.4	2,300	2.3	1.6 - 3.0	900	5.8	2.8 - 8.9	200	6.7	5.0 - 8.4	1,000	--		
Pregnancy Intention and Family Planning															
Mistimed or unwanted pregnancy	33.0	30.9 - 35.0	20,500	36.4	33.6 - 39.3	13,800	47.7	42.0 - 53.5	1,400	26.8	22.9 - 30.7	4,200	19.1	13.2 - 24.9	1,000
Unsure of pregnancy intentions	15.3	13.7 - 17.0	9,500	16.6	14.2 - 18.9	6,300	20.9	16.5 - 25.3	600	10.4	8.1 - 12.7	1,600	19.0	10.8 - 27.2	900
Postpartum birth control use†	82.8	81.1 - 84.5	50,600	85.6	83.4 - 87.7	32,000	69.8	64.5 - 75.1	2,000	82.9	79.9 - 85.8	12,700	70.5	61.6 - 79.3	3,300
Infant Sleep and Breastfeeding															
Placed infant on back to sleep	77.9	76.1 - 79.8	47,700	79.0	76.6 - 81.5	29,400	60.5	54.9 - 66.1	1,700	76.8	73.3 - 80.4	11,900	84.0	77.3 - 90.7	4,100
Infant always or often shared bed	38.5	36.3 - 40.7	23,500	40.9	37.9 - 43.8	15,200	59.4	53.7 - 65.1	1,700	25.8	22.1 - 29.5	4,000	47.6	38.6 - 56.6	2,300
Intended to breastfeed, before birth	89.5	88.1 - 90.9	54,600	88.6	86.6 - 90.6	32,900	77.5	72.4 - 82.6	2,200	92.5	90.4 - 94.5	14,300	92.6	89.1 - 96.1	4,500
Intended to breastfeed exclusively, before birth	56.1	53.9 - 58.4	34,300	48.8	45.8 - 51.8	18,100	46.5	40.8 - 52.2	1,300	77.8	74.2 - 81.3	12,000	43.6	34.6 - 52.6	2,100
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	75.1	73.2 - 77.1	45,400	74.1	71.5 - 76.7	27,200	69.2	63.9 - 74.5	1,900	79.6	76.2 - 83.0	12,200	69.6	61.3 - 77.9	3,400
Exclusive breastfeeding, 1 month after delivery	40.0	37.8 - 42.2	23,800	36.4	33.5 - 39.3	13,200	36.5	30.8 - 42.2	1,000	51.4	47.3 - 55.5	7,800	30.5	22.4 - 38.6	1,400
Any breastfeeding, 3 months after delivery	55.3	52.7 - 57.8	25,700	52.8	49.4 - 56.2	14,900	37.9	32.0 - 43.7	800	64.0	59.3 - 68.8	7,600	51.4	40.7 - 62.1	1,900
Exclusive breastfeeding, 3 months after delivery	22.5	20.6 - 24.5	10,400	18.1	15.7 - 20.5	5,100	16.0	11.7 - 20.4	300	35.6	31.2 - 40.0	4,200	15.3	8.2 - 22.4	500



MIHA Data Snapshot, San Joaquin Valley by Race/Ethnicity, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley			Hispanic			Black			White			Asian/Pacific Islander		
	%	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	68.1	66.0 - 70.2	42,500	67.4	64.6 - 70.2	25,600	66.0	60.5 - 71.5	1,900	72.0	68.1 - 76.0	11,300	61.6	52.8 - 70.5	3,100
Initiated prenatal care in 1st trimester	86.1	84.4 - 87.7	52,900	84.7	82.4 - 87.0	31,600	79.1	74.2 - 84.0	2,300	88.9	85.9 - 91.9	13,800	90.9	87.2 - 94.6	4,500
Mom or infant needed but couldn't afford care postpartum	11.6	10.2 - 13.0	7,000	11.8	9.9 - 13.6	4,300	11.0	7.6 - 14.3	300	12.0	9.0 - 15.0	1,800	11.3	6.5 - 16.1	500
Participated in WIC during pregnancy†	70.2	68.6 - 71.8	43,200	84.7	82.8 - 86.6	31,900	78.7	74.6 - 82.8	2,300	39.5	35.4 - 43.6	6,000	54.8	46.1 - 63.5	2,700
Received CalFresh (food stamps) during pregnancy	41.3	39.1 - 43.4	25,700	47.2	44.3 - 50.2	17,800	70.9	66.2 - 75.5	2,100	25.9	22.0 - 29.9	4,000	29.1	20.7 - 37.5	1,500
Pre-pregnancy insurance															
Medi-Cal	42.0	39.9 - 44.1	26,200	49.5	46.5 - 52.4	18,800	64.2	59.1 - 69.2	1,900	23.4	19.6 - 27.1	3,700	34.8	26.3 - 43.2	1,700
Uninsured	23.1	21.1 - 25.0	14,400	28.0	25.3 - 30.7	10,600	11.6	8.3 - 15.0	300	15.4	11.9 - 19.0	2,400	17.4	10.2 - 24.5	900
Private	32.2	30.5 - 33.9	20,100	20.7	18.5 - 22.8	7,800	19.2	15.2 - 23.1	600	58.0	53.9 - 62.1	9,100	41.9	33.4 - 50.4	2,100
Prenatal insurance															
Medi-Cal	67.8	66.1 - 69.4	42,100	81.1	79.1 - 83.1	30,700	81.3	77.5 - 85.0	2,400	39.3	35.3 - 43.4	6,100	53.7	45.0 - 62.4	2,700
Uninsured	1.9	1.3 - 2.6	1,200	1.5	0.8 - 2.3	600	1.3*	0.2 - 2.4	<100	3.3	1.4 - 5.2	500	--		
Private	27.6	26.1 - 29.1	17,200	15.8	14.0 - 17.6	6,000	13.9	10.6 - 17.3	400	53.5	49.5 - 57.4	8,400	38.3	30.0 - 46.6	1,900
Maternal postpartum insurance															
Medi-Cal	55.7	53.7 - 57.8	34,600	64.2	61.4 - 67.0	24,200	82.5	79.0 - 85.9	2,400	34.2	30.2 - 38.2	5,300	48.0	39.2 - 56.8	2,400
Uninsured	12.7	11.1 - 14.3	7,900	16.2	13.9 - 18.4	6,100	1.6*	0.5 - 2.7	<100	9.1	6.2 - 12.0	1,400	6.0*	1.3 - 10.6	300
Private	29.1	27.5 - 30.8	18,100	18.0	16.0 - 20.1	6,800	13.1	9.9 - 16.3	400	53.1	49.1 - 57.1	8,300	41.2	32.7 - 49.6	2,000
Infant health insurance															
Medi-Cal	69.2	67.4 - 70.9	42,100	82.4	80.5 - 84.4	30,400	84.0	80.5 - 87.6	2,400	41.0	36.9 - 45.2	6,300	53.8	44.9 - 62.6	2,600
Uninsured	2.5	1.8 - 3.1	1,500	2.6	1.7 - 3.5	1,000	1.6*	0.1 - 3.2	<100	3.1	1.9 - 4.2	500	--		
Private	25.9	24.3 - 27.4	15,700	13.7	12.0 - 15.4	5,000	11.4	8.1 - 14.6	300	51.4	47.4 - 55.5	7,900	41.2	32.5 - 49.9	2,000
Maternal Demographics															
Age															
15-19	8.3	7.1 - 9.6	5,200	10.7	8.8 - 12.7	4,100	11.4	7.7 - 15.0	300	4.1	2.6 - 5.6	600	2.5*	0.5 - 4.6	100
20-34	78.6	76.7 - 80.5	49,200	76.7	74.1 - 79.2	29,200	78.6	73.9 - 83.2	2,300	83.2	80.3 - 86.1	13,000	77.9	70.5 - 85.2	3,900
35+	13.1	11.5 - 14.6	8,200	12.6	10.6 - 14.6	4,800	10.1	6.9 - 13.2	300	12.7	10.2 - 15.3	2,000	19.6	12.4 - 26.8	1,000
Did not complete high school (or GED)	22.0	20.1 - 24.0	13,600	29.0	26.2 - 31.7	10,900	18.9	14.1 - 23.6	500	9.8	6.5 - 13.2	1,500	10.7	4.4 - 17.0	500
Unmarried	50.7	48.6 - 52.9	31,500	57.3	54.3 - 60.2	21,700	82.1	78.7 - 85.4	2,400	35.7	31.6 - 39.8	5,600	32.9	24.5 - 41.3	1,600
Born outside the U.S.	30.3	28.3 - 32.4	19,000	39.3	36.4 - 42.1	15,000	3.6	1.9 - 5.2	100	4.8	2.8 - 6.8	800	60.5	51.8 - 69.3	3,000
Speaks non-English language at home	28.1	26.0 - 30.1	17,400	37.9	35.0 - 40.8	14,400	1.6*	0.5 - 2.7	<100	3.1	1.4 - 4.8	500	50.8	41.6 - 60.0	2,400
Lives in a high poverty neighborhood	63.5	61.5 - 65.5	38,100	75.2	72.8 - 77.7	27,300	72.1	67.4 - 76.9	2,000	41.2	37.0 - 45.4	6,300	45.4	36.4 - 54.3	2,200
Income as a percent of the Federal Poverty Guideline															
0-100%	55.5	53.4 - 57.6	32,500	66.3	63.4 - 69.2	23,500	76.8	72.7 - 80.9	2,200	31.7	27.6 - 35.7	4,700	41.2	32.1 - 50.3	1,900
101-200%	22.1	20.1 - 24.1	12,900	23.4	20.7 - 26.1	8,300	14.1	10.6 - 17.5	400	22.0	18.4 - 25.6	3,300	18.0	10.5 - 25.5	800
> 200%	22.4	20.9 - 23.9	13,100	10.3	8.8 - 11.9	3,700	9.1	6.7 - 11.5	300	46.3	42.4 - 50.3	6,900	40.8	32.0 - 49.6	1,900

-- Estimate not shown because the relative standard error (RSE) is greater than 50%, fewer than 5 women reported, or the weighted population denominator for the column is less than 100 women.

* 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. The sample size of San Joaquin Valley was 4,444. 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 and the region in 2013-2015. Population estimate (N) is a three-year average. 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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MIHA Data Snapshot, San Joaquin Valley by Total Live Births, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley			First Live Birth			Second Live Birth or More		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		62,500	33.5	31.4 - 35.5	20,900	66.5	64.5 - 68.6	41,500
In good to excellent health	89.9	88.4 - 91.3	56,100	91.2	88.7 - 93.6	19,000	89.2	87.4 - 91.0	37,000
Chronic conditions									
Diabetes†	2.7	1.9 - 3.5	1,700	1.6	0.8 - 2.4	300	3.3	2.2 - 4.4	1,300
Hypertension†	2.6	2.0 - 3.3	1,600	1.5	0.9 - 2.1	300	3.2	2.3 - 4.2	1,300
Asthma†	9.5	8.0 - 10.9	5,800	10.2	8.0 - 12.4	2,100	9.1	7.3 - 11.0	3,700
Daily folic acid use, month before pregnancy	28.8	26.8 - 30.8	18,000	31.8	28.4 - 35.2	6,600	27.2	24.7 - 29.7	11,200
Overweight before pregnancy	27.8	25.8 - 29.9	16,400	23.9	20.6 - 27.1	4,800	30.0	27.4 - 32.6	11,600
Obese before pregnancy	26.4	24.4 - 28.4	15,600	17.9	15.3 - 20.5	3,600	30.6	28.0 - 33.3	11,800
Inadequate weight gain during pregnancy	17.0	15.0 - 18.9	8,500	17.1	13.6 - 20.5	2,900	16.9	14.6 - 19.2	5,600
Excessive weight gain during pregnancy	44.9	42.5 - 47.3	22,500	48.9	44.9 - 52.9	8,400	42.8	39.7 - 45.8	14,100
Food insecurity during pregnancy	18.3	16.5 - 20.0	11,300	16.7	13.7 - 19.7	3,500	19.1	17.0 - 21.3	7,900
Physical or psychological IPV during pregnancy	8.5	7.3 - 9.7	5,300	8.4	6.5 - 10.2	1,700	8.6	7.0 - 10.2	3,500
Prenatal depressive symptoms	16.0	14.4 - 17.7	10,000	13.6	11.3 - 16.0	2,800	17.3	15.1 - 19.5	7,100
Postpartum depressive symptoms	15.0	13.4 - 16.6	9,300	13.5	11.2 - 15.8	2,800	15.8	13.7 - 17.9	6,500
Experienced two or more hardships during childhood	29.4	27.3 - 31.4	17,800	26.5	23.2 - 29.9	5,400	30.9	28.3 - 33.5	12,400
Homeless or did not have a regular place to sleep	3.1	2.4 - 3.9	1,900	3.3	1.9 - 4.7	700	3.0	2.2 - 3.9	1,200
Moved due to problems paying rent or mortgage	6.4	5.3 - 7.4	3,900	6.3	4.8 - 7.9	1,300	6.4	5.1 - 7.8	2,600
Woman or partner lost job	15.5	13.9 - 17.1	9,600	15.9	13.2 - 18.6	3,300	15.4	13.3 - 17.4	6,300
Woman or partner had pay or hours cut back	13.3	11.7 - 14.9	8,200	11.9	9.3 - 14.5	2,500	14.1	12.1 - 16.0	5,700
Became separated or divorced	9.1	7.7 - 10.5	5,600	11.0	8.7 - 13.4	2,300	8.1	6.5 - 9.8	3,300
Had no practical or emotional support	4.4	3.4 - 5.3	2,700	2.5	1.2 - 3.8	500	5.3	4.0 - 6.6	2,200
Any smoking, 3 months before pregnancy	12.4	10.9 - 13.9	7,700	12.4	9.8 - 14.9	2,600	12.5	10.5 - 14.4	5,100
Any smoking, 3rd trimester†	4.3	3.4 - 5.2	2,700	2.7	1.5 - 3.8	600	5.1	3.9 - 6.4	2,100
Any smoking, postpartum	7.4	6.2 - 8.6	4,600	6.4	4.4 - 8.5	1,300	7.9	6.4 - 9.3	3,200
Any binge drinking, 3 months before pregnancy	14.6	13.0 - 16.2	9,000	18.7	15.9 - 21.5	3,800	12.6	10.6 - 14.6	5,200
Any alcohol use, 3rd trimester†	3.7	3.0 - 4.4	2,300	3.0	2.0 - 3.9	600	4.0	3.1 - 5.0	1,700
Mistimed or unwanted pregnancy	33.0	30.9 - 35.0	20,500	35.3	31.7 - 39.0	7,300	31.9	29.3 - 34.4	13,200
Unsure of pregnancy intentions	15.3	13.7 - 17.0	9,500	14.2	11.8 - 16.7	3,000	16.0	13.7 - 18.2	6,600
Postpartum birth control use†	82.8	81.1 - 84.5	50,600	77.1	73.9 - 80.2	15,800	85.9	83.9 - 87.9	34,700
Placed infant on back to sleep	77.9	76.1 - 79.8	47,700	77.5	74.5 - 80.5	16,000	78.1	75.7 - 80.5	31,600
Infant always or often shared bed	38.5	36.3 - 40.7	23,500	41.5	37.8 - 45.1	8,500	37.1	34.3 - 39.8	15,000
Intended to breastfeed, before birth	89.5	88.1 - 90.9	54,600	93.2	91.3 - 95.0	19,200	87.6	85.7 - 89.4	35,400
Intended to breastfeed exclusively, before birth	56.1	53.9 - 58.4	34,300	67.4	63.9 - 71.0	13,900	50.4	47.6 - 53.2	20,400
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	75.1	73.2 - 77.1	45,400	74.1	70.7 - 77.5	15,100	75.6	73.2 - 78.0	30,100
Exclusive breastfeeding, 1 month after delivery	40.0	37.8 - 42.2	23,800	39.7	36.0 - 43.4	8,000	40.1	37.3 - 42.8	15,800
Any breastfeeding, 3 months after delivery	55.3	52.7 - 57.8	25,700	51.5	47.2 - 55.8	8,300	57.4	54.2 - 60.6	17,400
Exclusive breastfeeding, 3 months after delivery	22.5	20.6 - 24.5	10,400	20.1	16.8 - 23.4	3,200	23.9	21.4 - 26.4	7,100



MIHA Data Snapshot, San Joaquin Valley by Total Live Births, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Joaquin Valley				First Live Birth				Second Live Birth or More			
	%	95% CI		N	%	95% CI		N	%	95% CI		N
Service Utilization and Health Insurance Coverage												
Had a usual source of pre-pregnancy care	68.1	66.0	- 70.2	42,500	60.8	57.1	- 64.6	12,700	71.7	69.2	- 74.2	29,700
Initiated prenatal care in 1st trimester	86.1	84.4	- 87.7	52,900	87.9	85.4	- 90.5	18,000	85.1	83.0	- 87.2	34,800
Mom or infant needed but couldn't afford care postpartum	11.6	10.2	- 13.0	7,000	9.7	7.6	- 11.8	2,000	12.6	10.7	- 14.5	5,100
Participated in WIC during pregnancy†	70.2	68.6	- 71.8	43,200	68.8	65.8	- 71.8	14,200	70.9	68.8	- 73.1	29,000
Received CalFresh (food stamps) during pregnancy	41.3	39.1	- 43.4	25,700	30.0	26.5	- 33.5	6,300	47.0	44.3	- 49.7	19,300
Pre-pregnancy insurance												
Medi-Cal	42.0	39.9	- 44.1	26,200	28.4	24.9	- 32.0	5,900	48.7	46.1	- 51.4	20,200
Uninsured	23.1	21.1	- 25.0	14,400	27.3	24.0	- 30.7	5,700	21.0	18.6	- 23.3	8,700
Private	32.2	30.5	- 33.9	20,100	40.3	36.8	- 43.7	8,400	28.2	26.1	- 30.3	11,700
Prenatal insurance												
Medi-Cal	67.8	66.1	- 69.4	42,100	62.9	59.6	- 66.1	13,000	70.3	68.1	- 72.4	29,100
Uninsured	1.9	1.3	- 2.6	1,200	1.9*	0.7	- 3.1	400	2.0	1.1	- 2.8	800
Private	27.6	26.1	- 29.1	17,200	31.8	28.7	- 34.8	6,600	25.4	23.4	- 27.4	10,500
Maternal postpartum insurance												
Medi-Cal	55.7	53.7	- 57.8	34,600	56.1	52.5	- 59.7	11,700	55.6	52.9	- 58.2	22,900
Uninsured	12.7	11.1	- 14.3	7,900	8.1	6.1	- 10.2	1,700	15.1	12.9	- 17.2	6,200
Private	29.1	27.5	- 30.8	18,100	32.3	29.1	- 35.5	6,700	27.4	25.3	- 29.5	11,300
Infant health insurance												
Medi-Cal	69.2	67.4	- 70.9	42,100	66.4	63.1	- 69.6	13,700	70.7	68.4	- 72.9	28,400
Uninsured	2.5	1.8	- 3.1	1,500	2.5	1.5	- 3.6	500	2.5	1.6	- 3.3	1,000
Private	25.9	24.3	- 27.4	15,700	28.0	25.0	- 31.1	5,800	24.7	22.7	- 26.7	9,900
Maternal Demographics												
Age												
15-19	8.3	7.1	- 9.6	5,200	21.3	18.2	- 24.4	4,400	1.8	1.0	- 2.7	800
20-34	78.6	76.7	- 80.5	49,200	72.3	69.0	- 75.7	15,100	81.7	79.5	- 83.9	33,900
35+	13.1	11.5	- 14.6	8,200	6.4	4.8	- 8.0	1,300	16.4	14.3	- 18.5	6,800
Did not complete high school (or GED)	22.0	20.1	- 24.0	13,600	12.6	9.9	- 15.4	2,600	26.8	24.3	- 29.4	11,000
Unmarried	50.7	48.6	- 52.9	31,500	58.8	55.2	- 62.3	12,200	46.8	44.1	- 49.5	19,300
Race/Ethnicity												
White	25.2	23.5	- 27.0	15,700	28.3	25.1	- 31.5	5,900	23.7	21.6	- 25.9	9,800
Hispanic	61.4	59.4	- 63.4	38,100	55.9	52.3	- 59.5	11,600	64.2	61.6	- 66.7	26,400
Asian/Pacific Islander	8.0	6.7	- 9.4	5,000	10.2	7.7	- 12.6	2,100	7.0	5.4	- 8.6	2,900
Black	4.7	4.4	- 5.1	2,900	5.2	4.3	- 6.2	1,100	4.5	4.0	- 5.0	1,900
Born outside the U.S.	30.3	28.3	- 32.4	19,000	19.3	16.3	- 22.2	4,000	35.9	33.2	- 38.5	14,900
Speaks non-English language at home	28.1	26.0	- 30.1	17,400	22.7	19.3	- 26.1	4,700	30.8	28.2	- 33.4	12,700
Lives in a high poverty neighborhood	63.5	61.5	- 65.5	38,100	60.2	56.7	- 63.8	12,100	65.2	62.7	- 67.7	25,900
Income as a percent of the Federal Poverty Guideline												
0-100%	55.5	53.4	- 57.6	32,500	51.2	47.4	- 55.0	9,800	57.5	54.9	- 60.2	22,600
101-200%	22.1	20.1	- 24.1	12,900	20.2	16.8	- 23.6	3,900	23.1	20.7	- 25.6	9,100
> 200%	22.4	20.9	- 23.9	13,100	28.6	25.5	- 31.8	5,500	19.3	17.5	- 21.2	7,600

-- Estimate not shown because the relative standard error (RSE) is greater than 50%, fewer than 5 women reported, or the weighted population denominator for the column is less than 100 women.

* 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. The sample size of San Joaquin Valley was 4,444. 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 and the region in 2013-2015. Population estimate (N) is a three-year average. 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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