



# MIHA Data Snapshot, Fresno County by Education, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County			<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
<b>Total</b>	100		15,400	24.9	19.6 - 30.2	3,700	21.8	17.0 - 26.7	3,300	32.9	27.5 - 38.3	5,000	20.3	16.4 - 24.3	3,100
<b>Health Status before Pregnancy</b>															
In good to excellent health	89.1	85.2 - 93.0	13,700	82.5 *	72.1 - 93.0	3,100	87.0 *	76.7 - 97.3	2,900	91.4	86.7 - 96.1	4,500	--		
Chronic conditions															
Diabetes†	3.0 *	0.5 - 5.4	500	--			--			--			--		
Hypertension†	2.9 *	0.9 - 4.9	400	--			--			1.2 *	0.1 - 2.3	<100	--		
Asthma†	13.3	9.0 - 17.6	2,000	10.6 *	2.3 - 18.9	400	--			18.2	10.2 - 26.1	900	15.2 *	3.9 - 26.4	500
<b>Nutrition and Weight</b>															
Daily folic acid use, month before pregnancy	27.1	22.0 - 32.2	4,200	21.4	11.0 - 31.7	800	23.1	12.7 - 33.5	800	25.4	16.5 - 34.4	1,300	40.6	29.3 - 52.0	1,200
Overweight before pregnancy	28.0	22.6 - 33.3	4,000	25.4	12.9 - 37.9	800	36.3	23.4 - 49.2	1,100	30.8	21.6 - 39.9	1,500	16.8	9.9 - 23.7	500
Obese before pregnancy	24.2	19.0 - 29.3	3,500	39.7	25.6 - 53.7	1,300	17.5	8.3 - 26.7	500	25.4	16.8 - 34.0	1,200	13.1	5.7 - 20.5	400
Inadequate weight gain during pregnancy	16.6	11.9 - 21.2	2,000	17.9 *	6.3 - 29.5	400	24.0	11.1 - 36.9	600	13.9	6.9 - 20.8	600	12.3	6.3 - 18.3	300
Excessive weight gain during pregnancy	43.1	36.9 - 49.4	5,200	29.5	15.3 - 43.7	700	33.7	20.7 - 46.6	900	48.7	38.2 - 59.2	2,100	57.0	45.3 - 68.8	1,500
Food insecurity during pregnancy	16.1	12.1 - 20.2	2,500	19.9	9.5 - 30.2	700	20.1	10.1 - 30.0	700	15.4	9.2 - 21.5	800	5.9 *	0.8 - 10.9	200
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>															
Physical or psychological IPV during pregnancy	8.0	4.8 - 11.2	1,200	9.2 *	2.3 - 16.2	300	8.0 *	1.1 - 14.9	300	6.8	2.8 - 10.7	300	--		
Prenatal depressive symptoms	14.1	9.9 - 18.2	2,200	8.7 *	1.6 - 15.7	300	18.5	8.5 - 28.5	600	14.9	8.1 - 21.8	700	14.2 *	3.8 - 24.6	400
Postpartum depressive symptoms	12.2	8.5 - 16.0	1,900	10.5 *	3.2 - 17.7	400	10.5 *	3.4 - 17.5	300	13.2	7.0 - 19.3	700	14.9 *	4.5 - 25.3	500
<b>Hardships and Support during Pregnancy</b>															
Experienced two or more hardships during childhood	29.8	24.3 - 35.2	4,400	29.2	17.2 - 41.1	1,000	33.9	21.3 - 46.4	1,100	35.6	26.1 - 45.1	1,700	15.2 *	5.0 - 25.4	400
Homeless or did not have a regular place to sleep	2.5 *	0.7 - 4.3	400	--			--			--			--		
Moved due to problems paying rent or mortgage	6.0	3.1 - 8.9	900	--			5.6 *	2.2 - 9.0	200	7.6 *	1.6 - 13.5	400	--		
Woman or partner lost job	12.1	8.5 - 15.7	1,800	10.5 *	2.8 - 18.3	400	13.1	5.6 - 20.6	400	16.1	8.9 - 23.2	800	5.1 *	1.2 - 9.0	200
Woman or partner had pay or hours cut back	11.8	7.8 - 15.9	1,800	13.1 *	3.0 - 23.1	500	8.6 *	2.0 - 15.2	300	17.5	9.5 - 25.6	900	5.6 *	0.9 - 10.3	200
Became separated or divorced	10.2	6.1 - 14.2	1,500	7.3 *	0.6 - 14.0	300	9.4 *	2.4 - 16.3	300	14.4 *	5.9 - 22.9	700	--		
Had no practical or emotional support	3.1 *	0.9 - 5.3	500	--			--			--			--		
<b>Substance Use</b>															
Any smoking, 3 months before pregnancy	13.7	9.3 - 18.2	2,100	20.8	8.8 - 32.7	800	10.9 *	2.4 - 19.4	400	17.5	9.8 - 25.2	900	2.9 *	1.0 - 4.8	<100
Any smoking, 3rd trimester†	3.7 *	1.5 - 5.8	600	9.4 *	1.6 - 17.1	300	--			2.6 *	0.1 - 5.0	100	--		
Any smoking, postpartum	6.0	3.0 - 8.9	900	13.9 *	3.7 - 24.0	500	--			3.0 *	0.6 - 5.4	100	1.9 *	0.4 - 3.3	<100
Any binge drinking, 3 months before pregnancy	15.3	10.9 - 19.7	2,300	--			14.4 *	4.8 - 24.1	500	20.5	12.0 - 28.9	1,000	23.7	12.2 - 35.3	700
Any alcohol use, 3rd trimester†	3.1	1.7 - 4.5	500	--			--			3.5 *	0.6 - 6.3	200	9.0	3.7 - 14.2	300
<b>Pregnancy Intention and Family Planning</b>															
Mistimed or unwanted pregnancy	27.0	21.9 - 32.1	4,100	27.3	15.5 - 39.1	1,000	43.9	31.1 - 56.8	1,400	26.2	17.8 - 34.5	1,300	11.4	5.7 - 17.0	300
Unsure of pregnancy intentions	18.9	14.0 - 23.7	2,900	26.0	14.6 - 37.4	1,000	17.1 *	6.5 - 27.6	600	19.8	10.9 - 28.6	1,000	10.1 *	3.2 - 17.0	300
Postpartum birth control use†	82.1	77.4 - 86.7	12,400	79.4	69.0 - 89.8	2,900	84.7 *	74.7 - 94.8	2,700	84.5	77.1 - 91.8	4,100	77.7	67.1 - 88.4	2,300
<b>Infant Sleep and Breastfeeding</b>															
Placed infant on back to sleep	80.2	75.6 - 84.8	12,200	75.0	63.7 - 86.3	2,700	84.5	75.5 - 93.5	2,800	77.4	68.8 - 86.1	3,800	86.3	80.6 - 92.1	2,600
Infant always or often shared bed	41.5	35.8 - 47.2	6,300	42.4	29.4 - 55.5	1,500	44.0	31.4 - 56.6	1,400	43.7	33.9 - 53.5	2,100	33.4	21.3 - 45.5	1,000
Intended to breastfeed, before birth	89.5	86.0 - 93.0	13,500	87.1 *	78.4 - 95.8	3,100	87.6 *	79.2 - 96.1	2,900	88.2	82.2 - 94.2	4,300	--		
Intended to breastfeed exclusively, before birth	52.2	46.4 - 58.0	7,900	39.9	26.9 - 53.0	1,400	43.3	30.6 - 56.1	1,400	58.6	48.8 - 68.3	2,900	68.1	56.6 - 79.6	2,100
<b>Breastfeeding practices</b>															
Any breastfeeding, 1 month after delivery	76.3	71.5 - 81.1	11,400	76.6	66.0 - 87.3	2,700	62.1	49.4 - 74.9	2,000	80.5	73.5 - 87.5	3,900	87.3 *	79.2 - 95.3	2,600
Exclusive breastfeeding, 1 month after delivery	36.7	31.1 - 42.3	5,400	40.2	26.3 - 54.2	1,400	26.8	15.7 - 37.9	900	35.4	26.2 - 44.5	1,700	47.2	35.4 - 59.0	1,400
Any breastfeeding, 3 months after delivery	51.2	44.4 - 57.9	5,700	40.6	26.1 - 55.2	1,100	38.0	23.0 - 53.0	1,000	54.9	43.5 - 66.3	2,100	72.9	60.8 - 85.0	1,400
Exclusive breastfeeding, 3 months after delivery	18.5	14.1 - 22.9	2,000	--			13.2 *	3.2 - 23.2	300	20.9	13.0 - 28.9	800	42.4	30.2 - 54.5	800

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, Fresno County by Education, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County			<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
<b>Service Utilization and Health Insurance Coverage</b>															
Had a usual source of pre-pregnancy care	66.9	61.5 - 72.4	10,300	57.0	44.0 - 70.0	2,100	70.5	59.4 - 81.7	2,300	65.2	55.7 - 74.7	3,200	78.7	69.7 - 87.7	2,400
Initiated prenatal care in 1st trimester	86.4	82.3 - 90.6	13,100	84.0	75.0 - 93.0	3,100	83.8	75.0 - 92.6	2,700	84.2	75.9 - 92.5	4,200	--		
Mom or infant needed but couldn't afford care postpartum	7.7	4.7 - 10.8	1,200	--			9.1*	2.0 - 16.2	300	9.9*	4.1 - 15.8	500	--		
Participated in WIC during pregnancy†	69.5	65.4 - 73.6	10,500	88.7*	79.7 - 97.7	3,300	94.0*	90.0 - 97.9	3,100	66.6	57.8 - 75.3	3,300	20.4	9.3 - 31.5	600
Received CalFresh (food stamps) during pregnancy	47.5	41.9 - 53.0	7,200	76.6	65.9 - 87.4	2,800	46.1	33.2 - 59.1	1,500	46.1	36.3 - 56.0	2,300	13.1*	2.9 - 23.3	400
Pre-pregnancy insurance															
Medi-Cal	46.9	41.4 - 52.4	7,200	78.8	68.6 - 88.9	2,900	52.9	40.0 - 65.8	1,700	40.1	30.2 - 49.9	2,000	11.6*	1.7 - 21.4	400
Uninsured	22.3	17.5 - 27.0	3,400	17.6	8.1 - 27.1	700	30.3	18.2 - 42.5	1,000	25.8	17.1 - 34.5	1,300	14.2	6.0 - 22.3	400
Private	28.9	24.8 - 33.0	4,400	--			15.1	7.5 - 22.8	500	31.2	22.7 - 39.6	1,500	72.3	61.0 - 83.7	2,200
Prenatal insurance															
Medi-Cal	72.2	68.5 - 75.9	11,000	--			89.4*	83.2 - 95.7	2,900	71.5	63.8 - 79.3	3,500	21.7	10.9 - 32.6	700
Uninsured	0.7*	0.0 - 1.4	100	--			--			--			--		
Private	25.0	21.4 - 28.5	3,800	--			7.8*	2.6 - 13.0	300	24.1	17.0 - 31.1	1,200	74.4	63.3 - 85.4	2,300
Maternal postpartum insurance															
Medi-Cal	60.8	55.8 - 65.8	9,300	83.0	73.4 - 92.5	3,000	75.6	64.9 - 86.3	2,500	60.0	50.5 - 69.5	3,000	19.8	9.1 - 30.5	600
Uninsured	10.6	6.9 - 14.3	1,600	12.7*	4.1 - 21.3	500	16.8*	6.9 - 26.7	500	9.3*	3.0 - 15.6	500	--		
Private	26.6	22.8 - 30.4	4,100	--			5.9*	1.8 - 10.0	200	28.0	19.8 - 36.3	1,400	75.3	64.3 - 86.2	2,300
Infant health insurance															
Medi-Cal	71.7	67.7 - 75.7	10,800	--			87.6	80.4 - 94.7	2,800	69.8	61.5 - 78.0	3,400	23.9	12.6 - 35.2	700
Uninsured	1.9*	0.6 - 3.2	300	--			--			--			--		
Private	25.0	21.3 - 28.7	3,800	--			6.5*	1.8 - 11.3	200	26.9	19.0 - 34.7	1,300	71.4	59.9 - 82.8	2,200
<b>Maternal Demographics</b>															
Unmarried	51.8	46.3 - 57.3	7,900	61.7	49.2 - 74.1	2,300	68.6	56.8 - 80.4	2,300	50.5	40.7 - 60.2	2,500	20.9	9.6 - 32.2	600
Race/Ethnicity															
White	19.9	15.9 - 23.9	3,000	--			9.8*	2.2 - 17.5	300	20.0	13.3 - 26.6	1,000	43.1	32.0 - 54.3	1,300
Hispanic	61.7	56.6 - 66.8	9,400	74.5	63.0 - 86.0	2,800	69.9	58.0 - 81.9	2,300	65.3	56.8 - 73.8	3,200	29.2	16.8 - 41.5	900
Asian/Pacific Islander	12.1	8.0 - 16.2	1,800	--			15.3*	4.7 - 25.8	500	5.9*	0.8 - 11.0	300	25.5	14.5 - 36.5	800
Black	5.5	4.7 - 6.3	800	6.1	2.9 - 9.3	200	4.1	2.0 - 6.2	100	7.7	5.4 - 10.1	400	2.0*	0.7 - 3.2	<100
Born outside the U.S.	30.5	25.2 - 35.7	4,700	50.1	37.1 - 63.1	1,900	45.7	32.7 - 58.7	1,500	12.7	5.9 - 19.4	600	18.3	11.1 - 25.5	600
Speaks non-English language at home	30.4	25.1 - 35.8	4,600	52.1	39.0 - 65.1	1,900	41.9	28.9 - 55.0	1,400	16.1	7.8 - 24.5	800	14.0	7.2 - 20.8	400
Lives in a high poverty neighborhood	74.0	69.4 - 78.6	11,100	--			87.0*	79.1 - 95.0	2,800	65.6	56.1 - 75.2	3,200	44.5	32.7 - 56.3	1,300
Income as a percent of the Federal Poverty Guideline															
0-100%	58.7	53.4 - 64.0	8,600	89.3*	79.6 - 98.9	3,100	76.5	65.9 - 87.2	2,300	50.3	40.3 - 60.3	2,500	17.0*	6.1 - 27.9	500
101-200%	19.0	14.0 - 24.0	2,800	9.7*	0.2 - 19.2	300	21.9	11.3 - 32.5	700	30.0	19.8 - 40.2	1,500	9.8*	3.3 - 16.3	300
> 200%	22.2	18.7 - 25.8	3,300	--			--			19.7	12.9 - 26.4	1,000	73.2	61.7 - 84.7	2,200

-- 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 Fresno County was 562. 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 county 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](http://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, Fresno County by Geographical Area, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County			Urban			Rural/Frontier		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
<b>Total</b>	100		15,400	61.8	56.2 - 67.5	9,300	38.2	32.5 - 43.8	5,700
<b>Health Status before Pregnancy</b>									
In good to excellent health	89.1	85.2 - 93.0	13,700	86.4	80.8 - 92.1	8,000	93.9 *	89.4 - 98.4	5,400
Chronic conditions									
Diabetes†	3.0 *	0.5 - 5.4	500	--			--		
Hypertension†	2.9 *	0.9 - 4.9	400	4.3 *	1.1 - 7.6	400	--		
Asthma†	13.3	9.0 - 17.6	2,000	15.0	9.2 - 20.8	1,400	11.2 *	4.3 - 18.1	600
<b>Nutrition and Weight</b>									
Daily folic acid use, month before pregnancy	27.1	22.0 - 32.2	4,200	26.9	20.2 - 33.5	2,500	27.3	19.2 - 35.5	1,600
Overweight before pregnancy	28.0	22.6 - 33.3	4,000	25.1	18.6 - 31.7	2,200	32.8	23.5 - 42.1	1,700
Obese before pregnancy	24.2	19.0 - 29.3	3,500	25.3	18.5 - 32.0	2,200	23.1	14.8 - 31.4	1,200
Inadequate weight gain during pregnancy	16.6	11.9 - 21.2	2,000	17.9	11.3 - 24.4	1,300	13.0	7.4 - 18.7	600
Excessive weight gain during pregnancy	43.1	36.9 - 49.4	5,200	41.2	32.9 - 49.6	3,100	47.5	37.5 - 57.6	2,100
Food insecurity during pregnancy	16.1	12.1 - 20.2	2,500	19.7	13.8 - 25.6	1,800	9.3	4.6 - 14.0	500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>									
Physical or psychological IPV during pregnancy	8.0	4.8 - 11.2	1,200	9.3	4.6 - 14.0	900	5.8 *	1.9 - 9.7	300
Prenatal depressive symptoms	14.1	9.9 - 18.2	2,200	15.1	9.5 - 20.6	1,400	13.0	6.5 - 19.6	700
Postpartum depressive symptoms	12.2	8.5 - 16.0	1,900	13.6	8.4 - 18.7	1,300	10.7	5.2 - 16.2	600
<b>Hardships and Support during Pregnancy</b>									
Experienced two or more hardships during childhood	29.8	24.3 - 35.2	4,400	34.3	26.9 - 41.8	3,100	22.0	14.0 - 29.9	1,200
Homeless or did not have a regular place to sleep	2.5 *	0.7 - 4.3	400	3.8 *	0.8 - 6.7	300	--		
Moved due to problems paying rent or mortgage	6.0	3.1 - 8.9	900	7.5	3.4 - 11.6	700	--		
Woman or partner lost job	12.1	8.5 - 15.7	1,800	13.1	8.1 - 18.2	1,200	9.9	5.0 - 14.9	600
Woman or partner had pay or hours cut back	11.8	7.8 - 15.9	1,800	13.8	8.2 - 19.4	1,300	9.4 *	3.6 - 15.2	500
Became separated or divorced	10.2	6.1 - 14.2	1,500	12.5	6.7 - 18.2	1,100	6.9 *	1.3 - 12.5	400
Had no practical or emotional support	3.1 *	0.9 - 5.3	500	3.7 *	0.5 - 6.8	300	--		
<b>Substance Use</b>									
Any smoking, 3 months before pregnancy	13.7	9.3 - 18.2	2,100	17.9	11.6 - 24.3	1,700	7.4 *	1.9 - 12.9	400
Any smoking, 3rd trimester†	3.7 *	1.5 - 5.8	600	5.4 *	1.9 - 8.8	500	--		
Any smoking, postpartum	6.0	3.0 - 8.9	900	8.6	3.9 - 13.4	800	--		
Any binge drinking, 3 months before pregnancy	15.3	10.9 - 19.7	2,300	17.7	11.5 - 23.9	1,600	12.2	6.0 - 18.3	700
Any alcohol use, 3rd trimester†	3.1	1.7 - 4.5	500	2.9	1.2 - 4.5	300	3.6 *	0.9 - 6.4	200
<b>Pregnancy Intention and Family Planning</b>									
Mistimed or unwanted pregnancy	27.0	21.9 - 32.1	4,100	31.4	24.2 - 38.5	2,900	20.9	13.6 - 28.2	1,200
Unsure of pregnancy intentions	18.9	14.0 - 23.7	2,900	18.2	12.0 - 24.3	1,700	19.5	11.4 - 27.6	1,100
Postpartum birth control use†	82.1	77.4 - 86.7	12,400	78.3	71.6 - 85.0	7,100	88.1	82.3 - 93.8	5,000
<b>Infant Sleep and Breastfeeding</b>									
Placed infant on back to sleep	80.2	75.6 - 84.8	12,200	79.9	74.2 - 85.7	7,400	79.8	71.7 - 88.0	4,500
Infant always or often shared bed	41.5	35.8 - 47.2	6,300	42.4	34.8 - 50.0	3,900	41.3	32.0 - 50.5	2,300
Intended to breastfeed, before birth	89.5	86.0 - 93.0	13,500	90.2	86.0 - 94.5	8,300	87.9	81.5 - 94.2	4,900
Intended to breastfeed exclusively, before birth	52.2	46.4 - 58.0	7,900	50.0	42.4 - 57.6	4,600	55.7	46.2 - 65.1	3,100
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	76.3	71.5 - 81.1	11,400	76.0	69.7 - 82.2	7,000	76.8	68.9 - 84.7	4,200
Exclusive breastfeeding, 1 month after delivery	36.7	31.1 - 42.3	5,400	35.5	28.2 - 42.9	3,100	38.0	28.8 - 47.1	2,100
Any breastfeeding, 3 months after delivery	51.2	44.4 - 57.9	5,700	47.1	38.3 - 55.9	3,200	55.8	45.0 - 66.6	2,300
Exclusive breastfeeding, 3 months after delivery	18.5	14.1 - 22.9	2,000	15.4	10.0 - 20.7	1,000	22.6	14.7 - 30.4	900



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	Fresno County				Urban				Rural/Frontier			
	%	95% CI		N	%	95% CI		N	%	95% CI		N
<b>Service Utilization and Health Insurance Coverage</b>												
Had a usual source of pre-pregnancy care	66.9	61.5	- 72.4	10,300	60.2	52.7	- 67.7	5,600	78.0	70.6	- 85.4	4,500
Initiated prenatal care in 1st trimester	86.4	82.3	- 90.6	13,100	86.3	81.1	- 91.5	7,900	86.8	79.7	- 94.0	4,900
Mom or infant needed but couldn't afford care postpartum	7.7	4.7	- 10.8	1,200	7.5	3.9	- 11.1	700	8.3 *	2.6	- 14.1	500
Participated in WIC during pregnancy†	69.5	65.4	- 73.6	10,500	71.6	65.7	- 77.5	6,600	64.8	56.8	- 72.8	3,600
Received CalFresh (food stamps) during pregnancy	47.5	41.9	- 53.0	7,200	50.5	43.0	- 58.0	4,600	42.7	33.5	- 51.9	2,400
Pre-pregnancy insurance												
Medi-Cal	46.9	41.4	- 52.4	7,200	50.1	42.7	- 57.5	4,600	39.7	30.7	- 48.8	2,300
Uninsured	22.3	17.5	- 27.0	3,400	21.5	15.4	- 27.6	2,000	24.3	16.0	- 32.5	1,400
Private	28.9	24.8	- 33.0	4,400	26.3	20.8	- 31.9	2,400	34.3	26.5	- 42.0	2,000
Prenatal insurance												
Medi-Cal	72.2	68.5	- 75.9	11,000	75.1	70.1	- 80.1	7,000	66.5	58.8	- 74.3	3,700
Uninsured	0.7 *	0.0	- 1.4	100	--	--	--	--	--	--	--	--
Private	25.0	21.4	- 28.5	3,800	21.3	16.7	- 25.8	2,000	31.9	24.3	- 39.6	1,800
Maternal postpartum insurance												
Medi-Cal	60.8	55.8	- 65.8	9,300	63.8	57.1	- 70.5	5,800	54.3	45.5	- 63.1	3,100
Uninsured	10.6	6.9	- 14.3	1,600	9.9	5.4	- 14.4	900	12.5	5.8	- 19.2	700
Private	26.6	22.8	- 30.4	4,100	23.8	18.6	- 29.0	2,200	32.0	24.5	- 39.6	1,800
Infant health insurance												
Medi-Cal	71.7	67.7	- 75.7	10,800	75.8	70.6	- 81.0	6,900	65.2	57.3	- 73.2	3,700
Uninsured	1.9 *	0.6	- 3.2	300	1.6 *	0.3	- 2.8	100	--	--	--	--
Private	25.0	21.3	- 28.7	3,800	21.2	16.4	- 25.9	1,900	31.0	23.5	- 38.5	1,700
<b>Maternal Demographics</b>												
Age												
15-19	8.3	5.1	- 11.5	1,300	8.3	4.2	- 12.4	800	7.6 *	2.4	- 12.9	400
20-34	78.3	73.3	- 83.3	12,000	79.7	73.6	- 85.8	7,400	76.3	67.7	- 85.0	4,400
35+	13.4	9.2	- 17.6	2,100	12.0	7.1	- 16.9	1,100	16.0	8.2	- 23.9	900
Did not complete high school (or GED)	24.9	19.6	- 30.2	3,700	26.8	19.5	- 34.1	2,400	20.8	12.9	- 28.8	1,200
Unmarried	51.8	46.3	- 57.3	7,900	55.6	48.3	- 63.0	5,100	42.9	33.6	- 52.1	2,500
Race/Ethnicity												
White	19.9	15.9	- 23.9	3,000	20.7	15.0	- 26.4	1,900	19.4	13.3	- 25.5	1,100
Hispanic	61.7	56.6	- 66.8	9,400	55.7	48.5	- 62.9	5,100	71.4	64.0	- 78.9	4,000
Asian/Pacific Islander	12.1	8.0	- 16.2	1,800	14.9	9.1	- 20.7	1,400	7.1 *	2.1	- 12.0	400
Black	5.5	4.7	- 6.3	800	7.7	6.1	- 9.3	700	1.6 *	0.6	- 2.6	<100
Born outside the U.S.	30.5	25.2	- 35.7	4,700	29.5	22.4	- 36.5	2,700	31.0	22.7	- 39.3	1,800
Speaks non-English language at home	30.4	25.1	- 35.8	4,600	28.3	21.1	- 35.6	2,600	33.8	25.1	- 42.5	1,900
Lives in a high poverty neighborhood	74.0	69.4	- 78.6	11,100	78.4	72.8	- 84.1	7,300	66.8	58.4	- 75.1	3,800
Income as a percent of the Federal Poverty Guideline												
0-100%	58.7	53.4	- 64.0	8,600	62.7	55.7	- 69.8	5,800	51.0	41.6	- 60.5	2,600
101-200%	19.0	14.0	- 24.0	2,800	19.3	12.7	- 25.9	1,800	19.5	11.3	- 27.7	1,000
> 200%	22.2	18.7	- 25.8	3,300	18.0	13.7	- 22.3	1,600	29.5	21.6	- 37.3	1,500

-- 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 Fresno County was 562. 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 county 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](http://www.cdph.ca.gov/MIHA).



# MIHA Data Snapshot, Fresno County by Income, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County			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
<b>Total</b>	100		15,400	58.7	53.4 - 64.0	8,600	19.0	14.0 - 24.0	2,800	22.2	18.7 - 25.8	3,300
<b>Health Status before Pregnancy</b>												
In good to excellent health	89.1	85.2 - 93.0	13,700	86.4	80.8 - 92.1	7,500	--			96.8*	94.2 - 99.4	3,200
Chronic conditions												
Diabetes†	3.0*	0.5 - 5.4	500	--			--			--		
Hypertension†	2.9*	0.9 - 4.9	400	4.2*	0.8 - 7.7	400	--			--		
Asthma†	13.3	9.0 - 17.6	2,000	12.1	6.4 - 17.9	1,000	16.1*	3.4 - 28.7	500	16.0	8.2 - 23.8	500
<b>Nutrition and Weight</b>												
Daily folic acid use, month before pregnancy	27.1	22.0 - 32.2	4,200	19.5	13.4 - 25.6	1,700	28.7	14.7 - 42.7	800	46.7	36.4 - 57.0	1,500
Overweight before pregnancy	28.0	22.6 - 33.3	4,000	26.9	19.6 - 34.3	2,100	33.0	18.8 - 47.2	900	27.8	19.1 - 36.6	900
Obese before pregnancy	24.2	19.0 - 29.3	3,500	29.9	22.2 - 37.6	2,400	23.9	11.9 - 36.0	700	12.8	6.0 - 19.6	400
Inadequate weight gain during pregnancy	16.6	11.9 - 21.2	2,000	17.8	11.0 - 24.6	1,200	16.1*	4.4 - 27.9	300	13.2	6.7 - 19.8	400
Excessive weight gain during pregnancy	43.1	36.9 - 49.4	5,200	37.7	28.9 - 46.5	2,600	44.2	28.8 - 59.6	1,000	53.9	42.9 - 64.8	1,500
Food insecurity during pregnancy	16.1	12.1 - 20.2	2,500	21.9	15.9 - 27.9	1,900	16.5*	4.3 - 28.7	400	2.4*	0.4 - 4.4	<100
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>												
Physical or psychological IPV during pregnancy	8.0	4.8 - 11.2	1,200	10.0	5.0 - 15.0	900	--			4.8*	0.5 - 9.0	200
Prenatal depressive symptoms	14.1	9.9 - 18.2	2,200	18.4	12.0 - 24.9	1,600	7.2*	0.5 - 13.9	200	8.6*	3.1 - 14.1	300
Postpartum depressive symptoms	12.2	8.5 - 16.0	1,900	13.8	8.3 - 19.3	1,200	11.3*	3.0 - 19.7	300	11.3*	4.4 - 18.2	400
<b>Hardships and Support during Pregnancy</b>												
Experienced two or more hardships during childhood	29.8	24.3 - 35.2	4,400	36.2	28.4 - 44.0	3,000	29.7	15.3 - 44.1	800	17.1	9.3 - 24.9	600
Homeless or did not have a regular place to sleep	2.5*	0.7 - 4.3	400	2.2*	0.9 - 3.5	200	--			--		
Moved due to problems paying rent or mortgage	6.0	3.1 - 8.9	900	10.0	5.1 - 15.0	900	--			--		
Woman or partner lost job	12.1	8.5 - 15.7	1,800	15.3	10.1 - 20.4	1,300	12.8*	2.1 - 23.5	300	3.2*	0.9 - 5.5	100
Woman or partner had pay or hours cut back	11.8	7.8 - 15.9	1,800	12.3	6.9 - 17.7	1,100	18.3*	5.3 - 31.3	500	5.6*	1.7 - 9.6	200
Became separated or divorced	10.2	6.1 - 14.2	1,500	11.1	5.8 - 16.5	900	18.6*	4.9 - 32.3	500	--		
Had no practical or emotional support	3.1*	0.9 - 5.3	500	4.7*	1.1 - 8.3	400	--			--		
<b>Substance Use</b>												
Any smoking, 3 months before pregnancy	13.7	9.3 - 18.2	2,100	15.9	9.8 - 21.9	1,400	19.3*	5.1 - 33.5	500	5.6*	2.2 - 8.9	200
Any smoking, 3rd trimester†	3.7*	1.5 - 5.8	600	5.4*	1.8 - 8.9	500	--			--		
Any smoking, postpartum	6.0	3.0 - 8.9	900	7.1	3.1 - 11.2	600	--			1.6*	0.2 - 3.0	<100
Any binge drinking, 3 months before pregnancy	15.3	10.9 - 19.7	2,300	11.9	6.3 - 17.5	1,000	25.6	11.7 - 39.6	700	18.7	11.4 - 26.1	600
Any alcohol use, 3rd trimester†	3.1	1.7 - 4.5	500	1.9*	0.6 - 3.3	200	--			8.9*	3.4 - 14.3	300
<b>Pregnancy Intention and Family Planning</b>												
Mistimed or unwanted pregnancy	27.0	21.9 - 32.1	4,100	35.1	27.5 - 42.8	3,000	24.0	11.4 - 36.7	700	10.0	5.1 - 14.9	300
Unsure of pregnancy intentions	18.9	14.0 - 23.7	2,900	21.5	14.6 - 28.5	1,800	21.4*	8.1 - 34.7	600	5.0*	1.4 - 8.7	200
Postpartum birth control use†	82.1	77.4 - 86.7	12,400	80.5	73.8 - 87.1	6,800	80.4*	67.5 - 93.3	2,200	85.7	79.6 - 91.7	2,800
<b>Infant Sleep and Breastfeeding</b>												
Placed infant on back to sleep	80.2	75.6 - 84.8	12,200	78.8	72.1 - 85.5	6,800	84.8*	73.8 - 95.9	2,400	83.2	77.0 - 89.4	2,700
Infant always or often shared bed	41.5	35.8 - 47.2	6,300	43.9	36.0 - 51.8	3,800	45.1	29.9 - 60.3	1,300	30.1	20.4 - 39.8	1,000
Intended to breastfeed, before birth	89.5	86.0 - 93.0	13,500	85.9	80.4 - 91.4	7,300	94.7*	90.5 - 98.9	2,600	--		
Intended to breastfeed exclusively, before birth	52.2	46.4 - 58.0	7,900	44.0	35.9 - 52.0	3,700	53.3	38.5 - 68.1	1,500	74.5	64.3 - 84.7	2,400
Breastfeeding practices												
Any breastfeeding, 1 month after delivery	76.3	71.5 - 81.1	11,400	71.1	64.0 - 78.2	6,000	77.3	66.1 - 88.4	2,100	91.3*	84.9 - 97.7	2,900
Exclusive breastfeeding, 1 month after delivery	36.7	31.1 - 42.3	5,400	34.3	26.3 - 42.2	2,800	32.8	19.3 - 46.4	900	46.1	35.8 - 56.4	1,500
Any breastfeeding, 3 months after delivery	51.2	44.4 - 57.9	5,700	44.0	34.7 - 53.4	2,700	45.7	28.2 - 63.3	900	73.5	62.3 - 84.7	1,800
Exclusive breastfeeding, 3 months after delivery	18.5	14.1 - 22.9	2,000	12.4	6.8 - 18.1	700	12.1*	4.7 - 19.5	300	37.9	27.0 - 48.7	900



# MIHA Data Snapshot, Fresno County by Income, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County			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
<b>Service Utilization and Health Insurance Coverage</b>												
Had a usual source of pre-pregnancy care	66.9	61.5 - 72.4	10,300	61.5	53.8 - 69.2	5,300	63.6	48.8 - 78.4	1,800	81.1	73.2 - 89.0	2,700
Initiated prenatal care in 1st trimester	86.4	82.3 - 90.6	13,100	81.7	75.6 - 87.8	7,000	85.4 *	73.9 - 96.8	2,400	--		
Mom or infant needed but couldn't afford care postpartum	7.7	4.7 - 10.8	1,200	9.4	4.7 - 14.1	800	10.2 *	2.9 - 17.6	300	--		
Participated in WIC during pregnancy†	69.5	65.4 - 73.6	10,500	91.5	86.6 - 96.4	7,900	67.5	54.1 - 80.9	1,800	8.1 *	2.2 - 14.1	300
Received CalFresh (food stamps) during pregnancy	47.5	41.9 - 53.0	7,200	68.8	61.3 - 76.2	5,900	33.5	18.0 - 49.1	900	--		
<b>Pre-pregnancy insurance</b>												
Medi-Cal	46.9	41.4 - 52.4	7,200	64.7	57.2 - 72.2	5,600	36.7	21.5 - 51.8	1,000	--		
Uninsured	22.3	17.5 - 27.0	3,400	28.8	21.6 - 35.9	2,500	26.1	13.7 - 38.6	700	5.1 *	0.9 - 9.2	200
Private	28.9	24.8 - 33.0	4,400	5.9	2.9 - 8.9	500	33.7	20.8 - 46.7	900	87.2	80.3 - 94.1	2,900
<b>Prenatal insurance</b>												
Medi-Cal	72.2	68.5 - 75.9	11,000	96.4 *	94.1 - 98.7	8,300	72.0	60.5 - 83.6	2,000	7.8 *	1.5 - 14.1	300
Uninsured	0.7 *	0.0 - 1.4	100	--			--			--		
Private	25.0	21.4 - 28.5	3,800	2.4 *	0.5 - 4.2	200	24.6	14.1 - 35.1	700	86.7	79.4 - 94.0	2,800
<b>Maternal postpartum insurance</b>												
Medi-Cal	60.8	55.8 - 65.8	9,300	85.5	79.6 - 91.4	7,300	47.0	32.0 - 62.0	1,300	7.3 *	1.4 - 13.1	200
Uninsured	10.6	6.9 - 14.3	1,600	11.8	6.1 - 17.5	1,000	18.1	8.2 - 28.1	500	--		
Private	26.6	22.8 - 30.4	4,100	2.0 *	0.4 - 3.6	200	31.5	18.5 - 44.5	900	88.3	81.5 - 95.1	2,900
<b>Infant health insurance</b>												
Medi-Cal	71.7	67.7 - 75.7	10,800	97.5 *	95.7 - 99.3	8,200	68.7	56.4 - 81.0	1,900	7.6 *	2.7 - 12.5	200
Uninsured	1.9 *	0.6 - 3.2	300	--			8.0 *	1.5 - 14.5	200	--		
Private	25.0	21.3 - 28.7	3,800	2.2 *	0.4 - 4.0	200	21.2	10.9 - 31.5	600	88.5	82.4 - 94.6	2,900
<b>Maternal Demographics</b>												
Did not complete high school (or GED)	24.9	19.6 - 30.2	3,700	37.2	29.1 - 45.3	3,100	12.3 *	0.5 - 24.1	300	--		
Unmarried	51.8	46.3 - 57.3	7,900	69.0	61.5 - 76.4	5,900	45.1	30.0 - 60.1	1,300	13.3	6.4 - 20.1	400
<b>Race/Ethnicity</b>												
White	19.9	15.9 - 23.9	3,000	8.9	4.0 - 13.7	800	21.5	9.9 - 33.1	600	50.2	39.7 - 60.6	1,600
Hispanic	61.7	56.6 - 66.8	9,400	72.3	65.5 - 79.1	6,200	66.5	52.8 - 80.1	1,800	25.1	15.4 - 34.8	800
Asian/Pacific Islander	12.1	8.0 - 16.2	1,800	10.3	5.1 - 15.5	900	--			21.7	11.3 - 32.0	700
Black	5.5	4.7 - 6.3	800	7.7	6.1 - 9.2	700	1.8 *	0.3 - 3.3	<100	2.6 *	1.0 - 4.1	<100
Born outside the U.S.	30.5	25.2 - 35.7	4,700	36.6	28.8 - 44.3	3,200	27.1	14.5 - 39.7	800	16.9	9.8 - 23.9	600
Speaks non-English language at home	30.4	25.1 - 35.8	4,600	37.9	30.1 - 45.7	3,300	28.1	13.7 - 42.4	800	10.7	5.1 - 16.2	300
Lives in a high poverty neighborhood	74.0	69.4 - 78.6	11,100	89.8	85.8 - 93.8	7,500	71.6	57.2 - 86.1	2,000	36.6	26.7 - 46.5	1,200

-- 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 Fresno County was 562. 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 county 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](http://www.cdph.ca.gov/MIHA).

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# MIHA Data Snapshot, Fresno County by Maternal Age, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County			15-19 Years			20-34 Years			35 Years or Older		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
<b>Total</b>	100		15,400	8.3	5.1 - 11.5	1,300	78.3	73.3 - 83.3	12,000	13.4	9.2 - 17.6	2,100
<b>Health Status before Pregnancy</b>												
In good to excellent health	89.1	85.2 - 93.0	13,700	--			88.8	84.3 - 93.3	10,700	--		
Chronic conditions												
Diabetes†	3.0*	0.5 - 5.4	500	--			2.3*	0.1 - 4.4	300	--		
Hypertension†	2.9*	0.9 - 4.9	400	--			2.4*	0.4 - 4.5	300	--		
Asthma†	13.3	9.0 - 17.6	2,000	6.7*	1.5 - 12.0	<100	13.7	8.8 - 18.6	1,600	15.1*	0.8 - 29.5	300
<b>Nutrition and Weight</b>												
Daily folic acid use, month before pregnancy	27.1	22.0 - 32.2	4,200	17.4*	3.7 - 31.0	200	25.6	20.0 - 31.1	3,100	42.0	25.4 - 58.5	900
Overweight before pregnancy	28.0	22.6 - 33.3	4,000	20.1*	3.4 - 36.8	200	28.4	22.4 - 34.3	3,200	31.1	14.6 - 47.6	500
Obese before pregnancy	24.2	19.0 - 29.3	3,500	17.8*	2.6 - 33.0	200	24.5	18.7 - 30.3	2,800	26.4*	10.7 - 42.1	500
Inadequate weight gain during pregnancy	16.6	11.9 - 21.2	2,000	--			16.8	11.5 - 22.1	1,700	17.1*	6.2 - 27.9	200
Excessive weight gain during pregnancy	43.1	36.9 - 49.4	5,200	42.7	21.3 - 64.1	400	40.8	33.9 - 47.7	4,100	61.2	43.7 - 78.7	800
Food insecurity during pregnancy	16.1	12.1 - 20.2	2,500	--			17.7	12.9 - 22.5	2,100	9.8*	2.2 - 17.4	200
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>												
Physical or psychological IPV during pregnancy	8.0	4.8 - 11.2	1,200	--			8.1	4.4 - 11.9	1,000	--		
Prenatal depressive symptoms	14.1	9.9 - 18.2	2,200	--			15.8	10.9 - 20.8	1,900	9.4*	1.8 - 16.9	200
Postpartum depressive symptoms	12.2	8.5 - 16.0	1,900	--			14.1	9.6 - 18.5	1,700	9.1*	0.4 - 17.7	200
<b>Hardships and Support during Pregnancy</b>												
Experienced two or more hardships during childhood	29.8	24.3 - 35.2	4,400	19.0*	3.9 - 34.0	200	32.5	26.2 - 38.8	3,800	21.1	8.8 - 33.5	400
Homeless or did not have a regular place to sleep	2.5*	0.7 - 4.3	400	--			2.2*	0.4 - 4.0	300	--		
Moved due to problems paying rent or mortgage	6.0	3.1 - 8.9	900	--			7.3	3.6 - 11.0	900	--		
Woman or partner lost job	12.1	8.5 - 15.7	1,800	--			12.9	8.8 - 16.9	1,500	12.2*	0.5 - 24.0	300
Woman or partner had pay or hours cut back	11.8	7.8 - 15.9	1,800	--			12.4	7.6 - 17.1	1,500	11.8*	2.2 - 21.5	200
Became separated or divorced	10.2	6.1 - 14.2	1,500	--			9.4	5.1 - 13.7	1,100	--		
Had no practical or emotional support	3.1*	0.9 - 5.3	500	--			2.8*	0.5 - 5.2	300	--		
<b>Substance Use</b>												
Any smoking, 3 months before pregnancy	13.7	9.3 - 18.2	2,100	--			14.1	9.1 - 19.1	1,700	17.6*	3.2 - 32.0	400
Any smoking, 3rd trimester†	3.7*	1.5 - 5.8	600	--			4.2*	1.5 - 6.9	500	--		
Any smoking, postpartum	6.0	3.0 - 8.9	900	--			7.0	3.3 - 10.7	800	--		
Any binge drinking, 3 months before pregnancy	15.3	10.9 - 19.7	2,300	--			14.2	9.4 - 18.9	1,700	26.9	11.4 - 42.4	600
Any alcohol use, 3rd trimester†	3.1	1.7 - 4.5	500	--			2.8	1.3 - 4.4	300	6.5*	0.6 - 12.3	100
<b>Pregnancy Intention and Family Planning</b>												
Mistimed or unwanted pregnancy	27.0	21.9 - 32.1	4,100	49.1	28.8 - 69.3	600	27.0	21.2 - 32.9	3,200	13.1*	3.6 - 22.6	300
Unsure of pregnancy intentions	18.9	14.0 - 23.7	2,900	34.5*	14.2 - 54.8	400	16.2	11.2 - 21.2	1,900	24.8*	9.1 - 40.5	500
Postpartum birth control use†	82.1	77.4 - 86.7	12,400	84.1*	69.2 - 99.0	1,100	81.7	76.3 - 87.1	9,700	82.7*	72.0 - 93.4	1,700
<b>Infant Sleep and Breastfeeding</b>												
Placed infant on back to sleep	80.2	75.6 - 84.8	12,200	66.1	46.6 - 85.6	800	81.4	76.4 - 86.3	9,700	81.6*	67.7 - 95.6	1,700
Infant always or often shared bed	41.5	35.8 - 47.2	6,300	40.2	19.6 - 60.8	500	41.6	35.3 - 48.0	5,000	41.6	24.1 - 59.0	900
Intended to breastfeed, before birth	89.5	86.0 - 93.0	13,500	79.8*	61.0 - 98.5	900	90.2	86.6 - 93.7	10,800	--		
Intended to breastfeed exclusively, before birth	52.2	46.4 - 58.0	7,900	33.2*	12.7 - 53.7	400	53.9	47.4 - 60.3	6,400	52.8	35.5 - 70.1	1,100
<b>Breastfeeding practices</b>												
Any breastfeeding, 1 month after delivery	76.3	71.5 - 81.1	11,400	62.5	42.8 - 82.3	700	76.2	70.9 - 81.6	8,900	84.8*	72.9 - 96.8	1,800
Exclusive breastfeeding, 1 month after delivery	36.7	31.1 - 42.3	5,400	27.7*	8.8 - 46.6	300	41.1	34.6 - 47.5	4,700	16.3*	6.6 - 26.0	300
Any breastfeeding, 3 months after delivery	51.2	44.4 - 57.9	5,700	20.9*	5.0 - 36.7	200	51.9	44.3 - 59.5	4,400	66.4	48.9 - 83.8	1,100
Exclusive breastfeeding, 3 months after delivery	18.5	14.1 - 22.9	2,000	--			20.9	15.5 - 26.3	1,700	13.3*	4.1 - 22.6	200



# MIHA Data Snapshot, Fresno County by Maternal Age, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County			15-19 Years			20-34 Years			35 Years or Older		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
<b>Service Utilization and Health Insurance Coverage</b>												
Had a usual source of pre-pregnancy care	66.9	61.5 - 72.4	10,300	68.1*	48.5 - 87.7	900	65.2	59.0 - 71.4	7,900	76.4*	62.3 - 90.4	1,600
Initiated prenatal care in 1st trimester	86.4	82.3 - 90.6	13,100	86.4*	74.3 - 98.6	1,100	86.2	81.6 - 90.7	10,300	--		
Mom or infant needed but couldn't afford care postpartum	7.7	4.7 - 10.8	1,200	--			8.4	4.7 - 12.2	1,000	--		
Participated in WIC during pregnancy†	69.5	65.4 - 73.6	10,500	--			70.1	65.4 - 74.8	8,300	48.6	31.8 - 65.4	1,000
Received CalFresh (food stamps) during pregnancy	47.5	41.9 - 53.0	7,200	48.6	28.1 - 69.1	600	49.0	42.8 - 55.3	5,800	37.6	20.8 - 54.4	800
Pre-pregnancy insurance												
Medi-Cal	46.9	41.4 - 52.4	7,200	76.7*	61.7 - 91.8	1,000	47.2	41.0 - 53.4	5,700	26.8*	10.3 - 43.2	600
Uninsured	22.3	17.5 - 27.0	3,400	--			23.6	18.2 - 29.0	2,800	21.7*	6.9 - 36.5	400
Private	28.9	24.8 - 33.0	4,400	12.7*	2.2 - 23.1	200	27.2	22.6 - 31.7	3,300	49.2	32.6 - 65.7	1,000
Prenatal insurance												
Medi-Cal	72.2	68.5 - 75.9	11,000	--			72.6	68.3 - 77.0	8,700	55.7	39.8 - 71.7	1,200
Uninsured	0.7*	0.0 - 1.4	100	--			--			--		
Private	25.0	21.4 - 28.5	3,800	--			24.3	20.2 - 28.3	2,900	41.7	26.0 - 57.3	900
Maternal postpartum insurance												
Medi-Cal	60.8	55.8 - 65.8	9,300	--			61.8	56.2 - 67.4	7,400	38.1	21.0 - 55.2	800
Uninsured	10.6	6.9 - 14.3	1,600	--			9.8	5.8 - 13.7	1,200	16.3*	2.8 - 29.9	300
Private	26.6	22.8 - 30.4	4,100	--			25.9	21.5 - 30.4	3,100	45.6	29.4 - 61.7	900
Infant health insurance												
Medi-Cal	71.7	67.7 - 75.7	10,800	--			72.1	67.5 - 76.7	8,600	53.3	36.8 - 69.9	1,100
Uninsured	1.9*	0.6 - 3.2	300	--			2.2*	0.6 - 3.7	300	--		
Private	25.0	21.3 - 28.7	3,800	--			24.0	19.8 - 28.3	2,900	45.0	28.7 - 61.3	900
<b>Maternal Demographics</b>												
Did not complete high school (or GED)	24.9	19.6 - 30.2	3,700	50.8	30.3 - 71.4	600	22.7	16.8 - 28.6	2,700	21.6*	7.7 - 35.5	400
Unmarried	51.8	46.3 - 57.3	7,900	84.5*	70.5 - 98.5	1,100	52.0	45.8 - 58.2	6,300	30.3	14.6 - 46.0	600
Race/Ethnicity												
White	19.9	15.9 - 23.9	3,000	--			20.8	16.0 - 25.5	2,500	21.9	10.1 - 33.7	400
Hispanic	61.7	56.6 - 66.8	9,400	77.3	64.1 - 90.5	1,000	60.4	54.4 - 66.3	7,200	59.7	44.0 - 75.4	1,200
Asian/Pacific Islander	12.1	8.0 - 16.2	1,800	--			12.7	7.9 - 17.5	1,500	13.3*	2.4 - 24.1	300
Black	5.5	4.7 - 6.3	800	8.3*	2.2 - 14.3	100	5.4	4.4 - 6.5	600	4.3*	1.2 - 7.4	<100
Born outside the U.S.	30.5	25.2 - 35.7	4,700	--			29.1	23.3 - 34.9	3,500	50.5	33.8 - 67.3	1,000
Speaks non-English language at home	30.4	25.1 - 35.8	4,600	--			31.0	25.0 - 37.0	3,700	37.3	20.6 - 54.0	800
Lives in a high poverty neighborhood	74.0	69.4 - 78.6	11,100	92.0*	85.1 - 98.9	1,100	74.9	69.9 - 79.8	8,800	58.1	40.8 - 75.3	1,200

-- 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 Fresno County was 562. 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 county 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](http://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, Fresno County by Prenatal Health Insurance, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County			Medi-Cal			Private		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
<b>Total</b>	100		15,400	72.2	68.5 - 75.9	11,000	25.0	21.4 - 28.5	3,800
<b>Health Status before Pregnancy</b>									
In good to excellent health	89.1	85.2 - 93.0	13,700	86.6	81.4 - 91.8	9,600	97.2 *	94.9 - 99.5	3,700
Chronic conditions									
Diabetes†	3.0 *	0.5 - 5.4	500	3.7 *	0.3 - 7.0	400	--		
Hypertension†	2.9 *	0.9 - 4.9	400	3.5 *	0.8 - 6.3	400	1.2 *	0.1 - 2.3	<100
Asthma†	13.3	9.0 - 17.6	2,000	13.0	7.6 - 18.4	1,400	15.7	8.3 - 23.1	600
<b>Nutrition and Weight</b>									
Daily folic acid use, month before pregnancy	27.1	22.0 - 32.2	4,200	21.1	15.2 - 27.0	2,300	41.5	32.1 - 51.0	1,600
Overweight before pregnancy	28.0	22.6 - 33.3	4,000	29.8	22.8 - 36.8	3,000	22.6	15.8 - 29.5	900
Obese before pregnancy	24.2	19.0 - 29.3	3,500	27.5	20.8 - 34.3	2,800	16.5	9.2 - 23.7	600
Inadequate weight gain during pregnancy	16.6	11.9 - 21.2	2,000	18.8	12.5 - 25.1	1,600	12.7	7.4 - 18.0	400
Excessive weight gain during pregnancy	43.1	36.9 - 49.4	5,200	37.1	29.3 - 45.0	3,100	56.4	46.8 - 66.0	1,900
Food insecurity during pregnancy	16.1	12.1 - 20.2	2,500	21.3	15.7 - 26.8	2,300	2.3 *	0.2 - 4.4	<100
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>									
Physical or psychological IPV during pregnancy	8.0	4.8 - 11.2	1,200	8.8	4.7 - 13.0	1,000	5.5 *	1.0 - 10.0	200
Prenatal depressive symptoms	14.1	9.9 - 18.2	2,200	16.1	10.7 - 21.5	1,800	9.0 *	3.6 - 14.4	300
Postpartum depressive symptoms	12.2	8.5 - 16.0	1,900	12.7	8.0 - 17.4	1,400	11.7	5.3 - 18.1	400
<b>Hardships and Support during Pregnancy</b>									
Experienced two or more hardships during childhood	29.8	24.3 - 35.2	4,400	34.7	27.7 - 41.8	3,700	18.7	11.2 - 26.1	700
Homeless or did not have a regular place to sleep	2.5 *	0.7 - 4.3	400	3.4 *	0.9 - 5.9	400	--		
Moved due to problems paying rent or mortgage	6.0	3.1 - 8.9	900	7.4	3.5 - 11.3	800	--		
Woman or partner lost job	12.1	8.5 - 15.7	1,800	14.6	9.8 - 19.4	1,600	3.3 *	1.0 - 5.6	100
Woman or partner had pay or hours cut back	11.8	7.8 - 15.9	1,800	13.3	8.1 - 18.5	1,500	4.6 *	1.8 - 7.5	200
Became separated or divorced	10.2	6.1 - 14.2	1,500	13.2	7.7 - 18.7	1,400	--		
Had no practical or emotional support	3.1 *	0.9 - 5.3	500	4.3 *	1.2 - 7.3	500	--		
<b>Substance Use</b>									
Any smoking, 3 months before pregnancy	13.7	9.3 - 18.2	2,100	16.6	10.7 - 22.5	1,800	6.8	3.3 - 10.2	300
Any smoking, 3rd trimester†	3.7 *	1.5 - 5.8	600	4.5 *	1.6 - 7.4	500	--		
Any smoking, postpartum	6.0	3.0 - 8.9	900	7.5	3.4 - 11.5	800	1.9 *	0.1 - 3.7	<100
Any binge drinking, 3 months before pregnancy	15.3	10.9 - 19.7	2,300	13.2	7.8 - 18.5	1,400	21.4	13.4 - 29.4	800
Any alcohol use, 3rd trimester†	3.1	1.7 - 4.5	500	1.3 *	0.3 - 2.3	100	8.3	3.5 - 13.1	300
<b>Pregnancy Intention and Family Planning</b>									
Mistimed or unwanted pregnancy	27.0	21.9 - 32.1	4,100	32.1	25.3 - 38.9	3,500	14.2	8.6 - 19.8	500
Unsure of pregnancy intentions	18.9	14.0 - 23.7	2,900	22.3	16.0 - 28.6	2,400	10.5 *	3.9 - 17.1	400
Postpartum birth control use†	82.1	77.4 - 86.7	12,400	80.7	74.7 - 86.7	8,700	86.4	80.9 - 91.9	3,300
<b>Infant Sleep and Breastfeeding</b>									
Placed infant on back to sleep	80.2	75.6 - 84.8	12,200	79.4	73.4 - 85.4	8,700	85.1	79.8 - 90.5	3,200
Infant always or often shared bed	41.5	35.8 - 47.2	6,300	46.4	39.2 - 53.6	5,100	29.9	20.9 - 38.8	1,100
Intended to breastfeed, before birth	89.5	86.0 - 93.0	13,500	87.0	82.5 - 91.6	9,500	95.2 *	90.5 - 99.9	3,600
Intended to breastfeed exclusively, before birth	52.2	46.4 - 58.0	7,900	45.0	37.7 - 52.3	4,900	71.3	61.6 - 81.0	2,700
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	76.3	71.5 - 81.1	11,400	71.9	65.6 - 78.2	7,700	88.2	81.8 - 94.5	3,300
Exclusive breastfeeding, 1 month after delivery	36.7	31.1 - 42.3	5,400	32.6	25.6 - 39.6	3,400	47.1	37.6 - 56.6	1,700
Any breastfeeding, 3 months after delivery	51.2	44.4 - 57.9	5,700	45.7	37.2 - 54.2	3,600	67.4	56.8 - 78.1	1,900
Exclusive breastfeeding, 3 months after delivery	18.5	14.1 - 22.9	2,000	12.4	7.5 - 17.4	1,000	34.2	24.8 - 43.6	900



# MIHA Data Snapshot, Fresno County by Prenatal Health Insurance, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County				Medi-Cal				Private			
	%	95% CI		N	%	95% CI		N	%	95% CI		N
<b>Service Utilization and Health Insurance Coverage</b>												
Had a usual source of pre-pregnancy care	66.9	61.5	- 72.4	10,300	61.4	54.4	- 68.3	6,800	85.2	78.5	- 91.9	3,300
Initiated prenatal care in 1st trimester	86.4	82.3	- 90.6	13,100	83.0	77.6	- 88.5	9,000	--			
Mom or infant needed but couldn't afford care postpartum	7.7	4.7	- 10.8	1,200	9.5	5.3	- 13.7	1,000	3.3 *	0.8	- 5.9	100
Participated in WIC during pregnancy†	69.5	65.4	- 73.6	10,500	89.8	85.3	- 94.3	9,900	11.8	6.1	- 17.4	400
Received CalFresh (food stamps) during pregnancy	47.5	41.9	- 53.0	7,200	64.3	57.4	- 71.3	7,100	--			
Pre-pregnancy insurance												
Medi-Cal	46.9	41.4	- 52.4	7,200	63.8	57.0	- 70.6	7,000	--			
Uninsured	22.3	17.5	- 27.0	3,400	28.4	22.1	- 34.7	3,100	--			
Private	28.9	24.8	- 33.0	4,400	7.5	3.9	- 11.1	800	95.0 *	90.0	- 99.9	3,600
Maternal postpartum insurance												
Medi-Cal	60.8	55.8	- 65.8	9,300	82.3	76.6	- 87.9	9,000	--			
Uninsured	10.6	6.9	- 14.3	1,600	13.9	8.8	- 18.9	1,500	--			
Private	26.6	22.8	- 30.4	4,100	3.4 *	0.5	- 6.3	400	95.4 *	91.8	- 99.0	3,600
Infant health insurance												
Medi-Cal	71.7	67.7	- 75.7	10,800	95.0	92.3	- 97.7	10,300	9.4 *	3.8	- 14.9	400
Uninsured	1.9 *	0.6	- 3.2	300	1.7 *	0.1	- 3.4	200	--			
Private	25.0	21.3	- 28.7	3,800	2.7 *	0.7	- 4.7	300	88.5	82.6	- 94.3	3,300
<b>Maternal Demographics</b>												
Age												
15-19	8.3	5.1	- 11.5	1,300	10.6	6.3	- 14.9	1,200	--			
20-34	78.3	73.3	- 83.3	12,000	79.0	72.9	- 85.1	8,700	76.4	67.5	- 85.2	2,900
35+	13.4	9.2	- 17.6	2,100	10.4	5.5	- 15.3	1,200	22.5	13.8	- 31.2	900
Did not complete high school (or GED)	24.9	19.6	- 30.2	3,700	33.9	26.7	- 41.0	3,600	--			
Unmarried	51.8	46.3	- 57.3	7,900	65.5	58.7	- 72.3	7,200	16.4	9.6	- 23.3	600
Race/Ethnicity												
White	19.9	15.9	- 23.9	3,000	10.6	5.8	- 15.3	1,200	48.9	39.4	- 58.4	1,800
Hispanic	61.7	56.6	- 66.8	9,400	71.9	65.7	- 78.1	7,900	32.9	23.2	- 42.6	1,200
Asian/Pacific Islander	12.1	8.0	- 16.2	1,800	10.4	5.8	- 14.9	1,100	14.7	6.4	- 23.0	500
Black	5.5	4.7	- 6.3	800	6.5	5.3	- 7.6	700	2.5	1.3	- 3.8	<100
Born outside the U.S.	30.5	25.2	- 35.7	4,700	36.3	29.4	- 43.2	4,000	14.2	8.6	- 19.9	500
Speaks non-English language at home	30.4	25.1	- 35.8	4,600	37.4	30.3	- 44.4	4,100	8.3	3.9	- 12.6	300
Lives in a high poverty neighborhood	74.0	69.4	- 78.6	11,100	87.5	82.8	- 92.3	9,400	41.7	32.4	- 51.1	1,600
Income as a percent of the Federal Poverty Guideline												
0-100%	58.7	53.4	- 64.0	8,600	78.6	72.1	- 85.1	8,300	5.5 *	1.3	- 9.7	200
101-200%	19.0	14.0	- 24.0	2,800	19.0	12.7	- 25.3	2,000	18.6	11.1	- 26.1	700
> 200%	22.2	18.7	- 25.8	3,300	2.4 *	0.4	- 4.4	300	75.9	67.8	- 84.0	2,800

-- 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 Fresno County was 562. 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 county 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](http://www.cdph.ca.gov/MIHA).

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# MIHA Data Snapshot, Fresno County by Neighborhood Poverty, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County			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
<b>Total</b>	100		15,400	3.5	1.7 - 5.3	500	11.3	8.1 - 14.5	1,700	11.2	7.5 - 14.8	1,700	74.0	69.4 - 78.6	11,100
<b>Health Status before Pregnancy</b>															
In good to excellent health	89.1	85.2 - 93.0	13,700	--			--			--			86.3	81.1 - 91.5	9,600
Chronic conditions															
Diabetes†	3.0*	0.5 - 5.4	500	--			--			--			2.5*	0.1 - 4.8	300
Hypertension†	2.9*	0.9 - 4.9	400	--			--			--			3.5*	0.8 - 6.2	400
Asthma†	13.3	9.0 - 17.6	2,000	--			--			20.7*	3.8 - 37.6	300	11.9	7.0 - 16.8	1,300
<b>Nutrition and Weight</b>															
Daily folic acid use, month before pregnancy	27.1	22.0 - 32.2	4,200	43.8*	17.8 - 69.8	200	46.0	30.3 - 61.6	800	34.2	17.7 - 50.7	600	22.2	16.6 - 27.9	2,500
Overweight before pregnancy	28.0	22.6 - 33.3	4,000	--			21.0	10.0 - 32.0	400	28.4*	10.6 - 46.3	400	30.0	23.4 - 36.6	3,100
Obese before pregnancy	24.2	19.0 - 29.3	3,500	--			5.2*	1.3 - 9.1	<100	15.6*	4.8 - 26.4	200	29.5	22.8 - 36.2	3,100
Inadequate weight gain during pregnancy	16.6	11.9 - 21.2	2,000	29.1*	5.0 - 53.2	100	11.4*	4.3 - 18.6	200	11.6*	0.4 - 22.9	200	17.0	11.1 - 22.8	1,500
Excessive weight gain during pregnancy	43.1	36.9 - 49.4	5,200	50.8	25.0 - 76.6	200	49.8	33.4 - 66.3	700	54.3	36.1 - 72.6	700	40.6	33.0 - 48.2	3,500
Food insecurity during pregnancy	16.1	12.1 - 20.2	2,500	--			6.4*	0.7 - 12.1	100	--			19.0	13.7 - 24.3	2,100
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>															
Physical or psychological IPV during pregnancy	8.0	4.8 - 11.2	1,200	--			--			2.6*	0.2 - 4.9	<100	9.0	4.8 - 13.2	1,000
Prenatal depressive symptoms	14.1	9.9 - 18.2	2,200	--			--			8.5*	0.5 - 16.5	100	15.7	10.4 - 21.0	1,700
Postpartum depressive symptoms	12.2	8.5 - 16.0	1,900	--			--			13.4*	2.4 - 24.3	200	13.5	8.7 - 18.3	1,500
<b>Hardships and Support during Pregnancy</b>															
Experienced two or more hardships during childhood	29.8	24.3 - 35.2	4,400	38.8*	12.7 - 64.9	200	12.5*	3.6 - 21.4	200	30.2	15.0 - 45.4	500	31.8	25.0 - 38.6	3,400
Homeless or did not have a regular place to sleep	2.5*	0.7 - 4.3	400	--			--			--			3.4*	0.9 - 5.9	400
Moved due to problems paying rent or mortgage	6.0	3.1 - 8.9	900	--			--			--			7.5	3.6 - 11.5	800
Woman or partner lost job	12.1	8.5 - 15.7	1,800	--			--			16.8*	1.8 - 31.9	300	12.5	8.2 - 16.7	1,400
Woman or partner had pay or hours cut back	11.8	7.8 - 15.9	1,800	--			--			--			13.9	8.7 - 19.1	1,500
Became separated or divorced	10.2	6.1 - 14.2	1,500	--			--			--			11.6	6.6 - 16.7	1,300
Had no practical or emotional support	3.1*	0.9 - 5.3	500	--			--			--			4.2*	1.2 - 7.2	500
<b>Substance Use</b>															
Any smoking, 3 months before pregnancy	13.7	9.3 - 18.2	2,100	--			4.3*	0.2 - 8.5	<100	--			15.7	10.2 - 21.2	1,700
Any smoking, 3rd trimester†	3.7*	1.5 - 5.8	600	--			--			--			4.8*	1.8 - 7.7	500
Any smoking, postpartum	6.0	3.0 - 8.9	900	--			--			--			7.9	3.9 - 12.0	900
Any binge drinking, 3 months before pregnancy	15.3	10.9 - 19.7	2,300	26.2*	1.7 - 50.7	100	13.0*	3.3 - 22.7	200	17.9*	2.3 - 33.5	300	15.2	9.9 - 20.4	1,700
Any alcohol use, 3rd trimester†	3.1	1.7 - 4.5	500	--			6.8*	0.6 - 13.0	100	6.1*	1.1 - 11.0	100	1.4*	0.4 - 2.4	200
<b>Pregnancy Intention and Family Planning</b>															
Mistimed or unwanted pregnancy	27.0	21.9 - 32.1	4,100	--			7.3*	2.2 - 12.4	100	14.0*	4.0 - 24.0	200	32.9	26.3 - 39.6	3,600
Unsure of pregnancy intentions	18.9	14.0 - 23.7	2,900	--			10.3*	2.1 - 18.4	200	33.0	15.0 - 51.0	500	18.4	12.7 - 24.2	2,000
Postpartum birth control use†	82.1	77.4 - 86.7	12,400	--			82.5*	70.5 - 94.6	1,400	89.5*	80.4 - 98.6	1,500	80.7	74.8 - 86.6	8,800
<b>Infant Sleep and Breastfeeding</b>															
Placed infant on back to sleep	80.2	75.6 - 84.8	12,200	59.6*	33.4 - 85.7	300	88.8*	81.8 - 95.9	1,500	75.0*	59.2 - 90.8	1,300	80.3	74.7 - 85.9	8,800
Infant always or often shared bed	41.5	35.8 - 47.2	6,300	32.1*	8.3 - 55.9	200	27.7	12.6 - 42.7	500	60.4	44.3 - 76.6	1,000	41.8	34.8 - 48.7	4,600
Intended to breastfeed, before birth	89.5	86.0 - 93.0	13,500	--			--			--			87.3	82.9 - 91.8	9,500
Intended to breastfeed exclusively, before birth	52.2	46.4 - 58.0	7,900	68.9*	44.0 - 93.8	400	79.4*	65.4 - 93.4	1,300	56.4	38.6 - 74.2	900	46.6	39.5 - 53.6	5,100
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	76.3	71.5 - 81.1	11,400	--			--			84.8*	72.9 - 96.6	1,400	72.3	66.2 - 78.4	7,800
Exclusive breastfeeding, 1 month after delivery	36.7	31.1 - 42.3	5,400	59.5*	34.6 - 84.4	300	53.0	36.9 - 69.1	800	36.3	21.1 - 51.5	600	32.9	26.1 - 39.7	3,500
Any breastfeeding, 3 months after delivery	51.2	44.4 - 57.9	5,700	--			68.8	51.9 - 85.7	900	62.9	42.7 - 83.1	700	44.1	36.0 - 52.2	3,500
Exclusive breastfeeding, 3 months after delivery	18.5	14.1 - 22.9	2,000	23.7*	0.7 - 46.7	<100	38.3	22.5 - 54.0	500	33.9	16.0 - 51.7	400	12.3	7.8 - 16.9	1,000

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, Fresno County by Neighborhood Poverty, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County			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
<b>Service Utilization and Health Insurance Coverage</b>															
Had a usual source of pre-pregnancy care	66.9	61.5 - 72.4	10,300	--	--	--	69.3	54.7 - 84.0	1,200	64.7	48.8 - 80.5	1,100	66.5	59.9 - 73.1	7,400
Initiated prenatal care in 1st trimester	86.4	82.3 - 90.6	13,100	--	--	--	--	--	--	79.0*	61.3 - 96.7	1,300	85.5	80.6 - 90.3	9,400
Mom or infant needed but couldn't afford care postpartum	7.7	4.7 - 10.8	1,200	--	--	--	--	--	--	--	--	--	9.6	5.4 - 13.7	1,000
Participated in WIC during pregnancy†	69.5	65.4 - 73.6	10,500	--	--	--	16.3*	6.6 - 26.1	300	56.7	39.3 - 74.2	900	80.9	76.2 - 85.6	9,000
Received CalFresh (food stamps) during pregnancy	47.5	41.9 - 53.0	7,200	--	--	--	7.6*	1.6 - 13.6	100	39.4	21.1 - 57.7	600	56.4	49.5 - 63.3	6,200
Pre-pregnancy insurance															
Medi-Cal	46.9	41.4 - 52.4	7,200	--	--	--	9.3*	1.5 - 17.0	200	37.5	19.2 - 55.8	600	55.0	48.2 - 61.8	6,100
Uninsured	22.3	17.5 - 27.0	3,400	--	--	--	8.0*	1.0 - 15.0	100	24.3*	9.8 - 38.8	400	25.0	18.9 - 31.1	2,800
Private	28.9	24.8 - 33.0	4,400	78.6*	60.3 - 97.0	400	72.5	58.7 - 86.4	1,200	35.1	20.8 - 49.3	600	19.5	14.8 - 24.2	2,200
Prenatal insurance															
Medi-Cal	72.2	68.5 - 75.9	11,000	--	--	--	15.3*	5.7 - 24.8	300	57.7	41.5 - 73.8	1,000	84.9	81.3 - 88.6	9,400
Uninsured	0.7*	0.0 - 1.4	100	--	--	--	--	--	--	--	--	--	--	--	--
Private	25.0	21.4 - 28.5	3,800	66.0*	41.0 - 91.0	300	73.8	59.9 - 87.6	1,200	36.9	21.7 - 52.2	600	14.3	10.7 - 17.9	1,600
Maternal postpartum insurance															
Medi-Cal	60.8	55.8 - 65.8	9,300	--	--	--	16.4*	6.7 - 26.1	300	54.7	37.8 - 71.6	900	69.7	63.6 - 75.8	7,700
Uninsured	10.6	6.9 - 14.3	1,600	--	--	--	--	--	--	--	--	--	13.6	8.7 - 18.6	1,500
Private	26.6	22.8 - 30.4	4,100	70.5*	48.4 - 92.6	400	72.9	59.2 - 86.5	1,200	37.7	22.1 - 53.3	600	16.2	11.9 - 20.5	1,800
Infant health insurance															
Medi-Cal	71.7	67.7 - 75.7	10,800	32.3*	6.6 - 58.1	200	17.1	7.4 - 26.8	300	62.6	47.5 - 77.7	1,000	83.3	79.1 - 87.4	9,100
Uninsured	1.9*	0.6 - 3.2	300	--	--	--	--	--	--	--	--	--	2.4*	0.7 - 4.1	300
Private	25.0	21.3 - 28.7	3,800	59.5*	33.6 - 85.4	300	78.5	67.1 - 89.8	1,300	34.2	19.9 - 48.4	600	13.8	10.1 - 17.6	1,500
<b>Maternal Demographics</b>															
Age															
15-19	8.3	5.1 - 11.5	1,300	--	--	--	--	--	--	5.2*	0.4 - 9.9	<100	10.0	5.7 - 14.3	1,100
20-34	78.3	73.3 - 83.3	12,000	--	--	--	78.7	67.2 - 90.1	1,300	71.7*	52.9 - 90.5	1,200	79.4	73.6 - 85.2	8,800
35+	13.4	9.2 - 17.6	2,100	--	--	--	20.7	9.3 - 32.1	400	23.2*	3.9 - 42.4	400	10.6	6.2 - 15.0	1,200
Did not complete high school (or GED)	24.9	19.6 - 30.2	3,700	--	--	--	--	--	--	--	--	--	32.4	25.5 - 39.3	3,500
Unmarried	51.8	46.3 - 57.3	7,900	18.2*	0.6 - 35.9	<100	14.9*	5.5 - 24.3	300	33.0	15.7 - 50.3	600	60.5	53.8 - 67.2	6,700
Race/Ethnicity															
White	19.9	15.9 - 23.9	3,000	53.9	27.3 - 80.5	300	44.2	29.4 - 59.0	800	24.4	13.2 - 35.6	400	14.5	9.6 - 19.4	1,600
Hispanic	61.7	56.6 - 66.8	9,400	25.0*	2.8 - 47.3	100	18.8	7.9 - 29.6	300	58.1	41.8 - 74.3	900	70.3	64.3 - 76.3	7,800
Asian/Pacific Islander	12.1	8.0 - 16.2	1,800	--	--	--	31.9	14.8 - 48.9	500	13.3*	2.6 - 24.0	200	8.3	4.2 - 12.4	900
Black	5.5	4.7 - 6.3	800	--	--	--	3.6*	0.4 - 6.8	<100	4.3*	1.5 - 7.1	<100	6.0	4.8 - 7.3	700
Born outside the U.S.	30.5	25.2 - 35.7	4,700	--	--	--	11.0*	3.1 - 18.9	200	22.6*	7.4 - 37.9	400	34.6	28.0 - 41.2	3,800
Speaks non-English language at home	30.4	25.1 - 35.8	4,600	--	--	--	12.4*	1.1 - 23.7	200	26.0*	9.7 - 42.3	400	34.6	27.9 - 41.3	3,800
Income as a percent of the Federal Poverty Guideline															
0-100%	58.7	53.4 - 64.0	8,600	--	--	--	16.7*	6.7 - 26.7	300	32.0	16.2 - 47.9	500	70.5	64.3 - 76.7	7,500
101-200%	19.0	14.0 - 24.0	2,800	--	--	--	--	--	--	33.2*	12.7 - 53.6	500	18.6	13.0 - 24.3	2,000
> 200%	22.2	18.7 - 25.8	3,300	60.3*	33.6 - 86.9	300	72.2	58.3 - 86.0	1,200	34.8	19.5 - 50.1	500	10.9	7.5 - 14.2	1,200

-- 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 Fresno County was 562. 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 county 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](http://www.cdph.ca.gov/MIHA).



# MIHA Data Snapshot, Fresno County by Race/Ethnicity, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County			Hispanic			Black			White			Asian/Pacific Islander		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
<b>Total</b>	100		15,400	61.7	56.6 - 66.8	9,400	5.5	4.7 - 6.3	800	19.9	15.9 - 23.9	3,000	12.1	8.0 - 16.2	1,800
<b>Health Status before Pregnancy</b>															
In good to excellent health	89.1	85.2 - 93.0	13,700	89.8	85.2 - 94.4	8,400	84.7	76.7 - 92.6	700	--			82.9*	67.1 - 98.6	1,500
Chronic conditions															
Diabetes†	3.0*	0.5 - 5.4	500	4.4*	0.5 - 8.3	400	--			--			--		
Hypertension†	2.9*	0.9 - 4.9	400	--			6.4*	1.2 - 11.6	<100	1.5*	0.1 - 2.8	<100	--		
Asthma†	13.3	9.0 - 17.6	2,000	10.8	5.0 - 16.5	1,000	33.3	21.4 - 45.3	300	19.5	9.0 - 29.9	600	--		
<b>Nutrition and Weight</b>															
Daily folic acid use, month before pregnancy	27.1	22.0 - 32.2	4,200	22.0	15.4 - 28.6	2,100	24.3	14.4 - 34.1	200	38.2	27.6 - 48.8	1,200	35.4	17.9 - 53.0	700
Overweight before pregnancy	28.0	22.6 - 33.3	4,000	29.2	21.8 - 36.6	2,500	27.0	15.9 - 38.2	200	34.3	22.3 - 46.2	1,000	13.8*	3.2 - 24.4	200
Obese before pregnancy	24.2	19.0 - 29.3	3,500	25.7	18.4 - 33.0	2,200	34.1	22.7 - 45.5	300	18.7	9.6 - 27.9	600	18.7*	4.3 - 33.1	300
Inadequate weight gain during pregnancy	16.6	11.9 - 21.2	2,000	15.4	9.4 - 21.4	1,100	11.8*	4.0 - 19.5	<100	11.9	6.0 - 17.9	300	35.6	15.3 - 55.9	500
Excessive weight gain during pregnancy	43.1	36.9 - 49.4	5,200	41.8	33.1 - 50.6	3,000	51.8	39.0 - 64.6	300	47.1	35.5 - 58.6	1,200	37.0	16.9 - 57.1	500
Food insecurity during pregnancy	16.1	12.1 - 20.2	2,500	16.8	11.5 - 22.0	1,600	22.5	13.1 - 31.9	200	16.2*	5.1 - 27.3	500	12.1*	3.0 - 21.1	200
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>															
Physical or psychological IPV during pregnancy	8.0	4.8 - 11.2	1,200	8.9	4.1 - 13.7	800	15.2	7.4 - 23.0	100	--			--		
Prenatal depressive symptoms	14.1	9.9 - 18.2	2,200	15.2	9.1 - 21.3	1,400	25.5	15.5 - 35.6	200	8.6*	2.3 - 14.9	300	10.0*	1.9 - 18.1	200
Postpartum depressive symptoms	12.2	8.5 - 16.0	1,900	13.2	7.8 - 18.7	1,200	12.1*	4.9 - 19.2	100	10.2*	3.5 - 17.0	300	10.2*	2.0 - 18.5	200
<b>Hardships and Support during Pregnancy</b>															
Experienced two or more hardships during childhood	29.8	24.3 - 35.2	4,400	32.5	25.0 - 40.1	3,000	36.6	25.3 - 48.0	300	25.9	13.7 - 38.0	700	16.0*	5.0 - 27.0	300
Homeless or did not have a regular place to sleep	2.5*	0.7 - 4.3	400	--			9.9*	3.6 - 16.2	<100	--			--		
Moved due to problems paying rent or mortgage	6.0	3.1 - 8.9	900	7.4*	2.8 - 11.9	700	13.9	6.0 - 21.8	100	--			--		
Woman or partner lost job	12.1	8.5 - 15.7	1,800	14.1	8.7 - 19.4	1,300	22.3	12.8 - 31.9	200	6.2*	1.1 - 11.2	200	--		
Woman or partner had pay or hours cut back	11.8	7.8 - 15.9	1,800	9.0	4.5 - 13.5	800	14.0	6.6 - 21.4	100	15.8*	4.6 - 27.0	500	19.8*	4.7 - 34.8	400
Became separated or divorced	10.2	6.1 - 14.2	1,500	13.7	7.3 - 20.0	1,300	24.1	13.6 - 34.6	200	--			--		
Had no practical or emotional support	3.1*	0.9 - 5.3	500	3.1*	0.2 - 6.1	300	--			--			--		
<b>Substance Use</b>															
Any smoking, 3 months before pregnancy	13.7	9.3 - 18.2	2,100	9.8	4.8 - 14.8	900	24.1	14.4 - 33.8	200	26.3	13.9 - 38.8	800	--		
Any smoking, 3rd trimester†	3.7*	1.5 - 5.8	600	1.9*	0.3 - 3.6	200	9.6*	3.1 - 16.0	<100	10.0*	1.0 - 19.1	300	--		
Any smoking, postpartum	6.0	3.0 - 8.9	900	2.1*	0.3 - 3.8	200	17.3	8.8 - 25.8	100	15.3*	3.6 - 26.9	500	--		
Any binge drinking, 3 months before pregnancy	15.3	10.9 - 19.7	2,300	16.4	10.1 - 22.7	1,500	7.5*	2.0 - 13.0	<100	15.0	8.2 - 21.9	400	16.4*	2.8 - 30.0	300
Any alcohol use, 3rd trimester†	3.1	1.7 - 4.5	500	1.2*	0.1 - 2.4	100	--			6.8*	2.8 - 10.9	200	--		
<b>Pregnancy Intention and Family Planning</b>															
Mistimed or unwanted pregnancy	27.0	21.9 - 32.1	4,100	27.5	20.6 - 34.5	2,600	53.5	41.7 - 65.3	400	31.5	19.3 - 43.7	900	6.9*	0.2 - 13.5	100
Unsure of pregnancy intentions	18.9	14.0 - 23.7	2,900	21.5	14.8 - 28.2	2,000	13.2	6.2 - 20.1	100	6.6*	1.4 - 11.9	200	29.7*	12.1 - 47.4	500
Postpartum birth control use†	82.1	77.4 - 86.7	12,400	86.2	80.4 - 92.0	8,000	69.7	58.8 - 80.5	600	85.5	78.6 - 92.4	2,500	62.5	43.8 - 81.2	1,100
<b>Infant Sleep and Breastfeeding</b>															
Placed infant on back to sleep	80.2	75.6 - 84.8	12,200	83.4	77.3 - 89.5	7,800	61.5	50.3 - 72.6	500	74.1	63.7 - 84.5	2,200	84.4*	72.9 - 96.0	1,500
Infant always or often shared bed	41.5	35.8 - 47.2	6,300	45.0	37.1 - 52.8	4,200	66.2	54.2 - 78.1	500	27.3	15.9 - 38.7	800	34.2	17.1 - 51.4	600
Intended to breastfeed, before birth	89.5	86.0 - 93.0	13,500	86.9	81.6 - 92.3	8,000	75.9	64.3 - 87.4	600	95.8*	92.6 - 99.0	2,900	--		
Intended to breastfeed exclusively, before birth	52.2	46.4 - 58.0	7,900	45.8	37.9 - 53.7	4,200	43.1	31.4 - 54.7	300	81.4	73.0 - 89.7	2,400	35.3	17.7 - 52.9	600
<b>Breastfeeding practices</b>															
Any breastfeeding, 1 month after delivery	76.3	71.5 - 81.1	11,400	76.1	69.6 - 82.7	6,900	65.4	53.7 - 77.0	500	87.6	81.1 - 94.2	2,600	62.1	44.4 - 79.9	1,100
Exclusive breastfeeding, 1 month after delivery	36.7	31.1 - 42.3	5,400	32.3	25.0 - 39.7	2,900	29.6	18.3 - 40.9	200	55.4	44.3 - 66.5	1,600	28.5	12.9 - 44.1	500
Any breastfeeding, 3 months after delivery	51.2	44.4 - 57.9	5,700	50.3	40.9 - 59.6	3,200	34.0	22.3 - 45.8	200	63.4	49.8 - 76.9	1,500	36.6*	15.0 - 58.1	500
Exclusive breastfeeding, 3 months after delivery	18.5	14.1 - 22.9	2,000	11.9	7.1 - 16.8	800	17.0	7.6 - 26.3	100	38.0	25.8 - 50.2	900	14.0*	0.9 - 27.1	200



# MIHA Data Snapshot, Fresno County by Race/Ethnicity, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County			Hispanic			Black			White			Asian/Pacific Islander		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
<b>Service Utilization and Health Insurance Coverage</b>															
Had a usual source of pre-pregnancy care	66.9	61.5 - 72.4	10,300	65.5	58.2 - 72.8	6,100	70.3	59.4 - 81.2	600	74.8	63.9 - 85.7	2,300	56.9	39.1 - 74.7	1,000
Initiated prenatal care in 1st trimester	86.4	82.3 - 90.6	13,100	83.1	77.1 - 89.1	7,700	81.2	70.8 - 91.5	700	--			--		
Mom or infant needed but couldn't afford care postpartum	7.7	4.7 - 10.8	1,200	8.7	4.4 - 12.9	800	--			8.1 *	0.8 - 15.3	200	--		
Participated in WIC during pregnancy†	69.5	65.4 - 73.6	10,500	84.2	78.5 - 89.9	7,800	80.3	71.1 - 89.6	700	31.9	19.5 - 44.2	900	56.7	39.2 - 74.1	1,000
Received CalFresh (food stamps) during pregnancy	47.5	41.9 - 53.0	7,200	55.7	47.9 - 63.5	5,100	74.4	64.9 - 83.9	600	24.7	12.5 - 37.0	700	34.7	17.0 - 52.3	600
Pre-pregnancy insurance															
Medi-Cal	46.9	41.4 - 52.4	7,200	54.3	46.7 - 62.0	5,100	67.0	57.2 - 76.8	600	23.8	11.5 - 36.1	700	42.0	24.4 - 59.7	800
Uninsured	22.3	17.5 - 27.0	3,400	28.1	21.2 - 35.0	2,600	15.4	7.3 - 23.5	100	12.5 *	4.0 - 21.0	400	12.9 *	0.4 - 25.4	200
Private	28.9	24.8 - 33.0	4,400	16.7	11.5 - 22.0	1,600	15.1	8.9 - 21.3	100	62.4	50.2 - 74.6	1,900	37.0	20.2 - 53.8	700
Prenatal insurance															
Medi-Cal	72.2	68.5 - 75.9	11,000	85.5	80.8 - 90.2	7,900	85.2	78.4 - 92.0	700	38.6	26.6 - 50.7	1,200	62.0	45.0 - 79.1	1,100
Uninsured	0.7 *	0.0 - 1.4	100	--			--			--			--		
Private	25.0	21.4 - 28.5	3,800	12.9	8.4 - 17.4	1,200	10.9	5.8 - 16.0	<100	59.0	47.1 - 70.8	1,800	29.1	13.5 - 44.8	500
Maternal postpartum insurance															
Medi-Cal	60.8	55.8 - 65.8	9,300	69.8	62.7 - 76.9	6,500	86.6	80.5 - 92.8	700	32.1	19.5 - 44.6	1,000	56.8	39.5 - 74.1	1,000
Uninsured	10.6	6.9 - 14.3	1,600	14.6	8.9 - 20.4	1,400	--			7.9 *	2.3 - 13.6	200	--		
Private	26.6	22.8 - 30.4	4,100	14.5	9.4 - 19.6	1,300	11.0	5.7 - 16.3	<100	58.8	46.9 - 70.7	1,800	34.4	18.0 - 50.7	600
Infant health insurance															
Medi-Cal	71.7	67.7 - 75.7	10,800	86.1	81.4 - 90.7	7,900	89.6	84.2 - 95.0	700	35.3	22.8 - 47.7	1,100	55.5	37.5 - 73.5	1,000
Uninsured	1.9 *	0.6 - 3.2	300	--			--			3.9 *	0.4 - 7.4	100	--		
Private	25.0	21.3 - 28.7	3,800	11.6	7.4 - 15.8	1,100	8.3	3.9 - 12.7	<100	57.9	46.0 - 69.7	1,700	41.4	23.6 - 59.3	700
<b>Maternal Demographics</b>															
Age															
15-19	8.3	5.1 - 11.5	1,300	10.5	5.5 - 15.4	1,000	12.5 *	4.3 - 20.7	100	--			--		
20-34	78.3	73.3 - 83.3	12,000	76.5	69.4 - 83.6	7,200	76.9	66.9 - 86.9	600	81.7	73.2 - 90.2	2,500	81.9 *	69.2 - 94.6	1,500
35+	13.4	9.2 - 17.6	2,100	13.0	7.1 - 19.0	1,200	10.6 *	3.8 - 17.3	<100	14.9	7.0 - 22.8	400	14.8 *	2.8 - 26.7	300
Did not complete high school (or GED)															
Unmarried	24.9	19.6 - 30.2	3,700	30.5	23.1 - 37.9	2,800	28.5	16.3 - 40.6	200	--			--		
Born outside the U.S.	51.8	46.3 - 57.3	7,900	59.2	51.5 - 66.9	5,500	84.2	77.1 - 91.3	700	30.9	18.4 - 43.4	900	37.9	20.1 - 55.7	700
Speaks non-English language at home	30.5	25.2 - 35.7	4,700	37.1	29.6 - 44.5	3,500	--			4.9 *	0.3 - 9.5	100	55.1	37.0 - 73.2	1,000
Lives in a high poverty neighborhood	30.4	25.1 - 35.8	4,600	39.1	31.5 - 46.7	3,700	--			--			51.5	32.8 - 70.3	900
Income as a percent of the Federal Poverty Guideline	74.0	69.4 - 78.6	11,100	85.1	79.4 - 90.8	7,800	83.4	75.4 - 91.5	700	53.5	42.4 - 64.6	1,600	52.0	33.7 - 70.4	900
0-100%															
> 200%	58.7	53.4 - 64.0	8,600	70.4	63.0 - 77.8	6,200	83.5	76.1 - 90.9	700	26.1	14.2 - 38.1	800	48.9	30.9 - 66.8	900
101-200%	19.0	14.0 - 24.0	2,800	20.8	13.8 - 27.8	1,800	6.4 *	1.4 - 11.4	<100	20.4	9.9 - 30.8	600	14.1 *	0.6 - 27.6	300
> 200%	22.2	18.7 - 25.8	3,300	8.8	5.0 - 12.6	800	10.1	4.2 - 16.0	<100	53.5	41.8 - 65.2	1,600	37.0	19.9 - 54.1	700

-- 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 Fresno County was 562. 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 county 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](http://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, Fresno County by Total Live Births, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County			First Live Birth			Second Live Birth or More		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
<b>Total</b>	100		15,400	32.4	27.1 - 37.7	5,000	67.6	62.3 - 72.9	10,300
<b>Health Status before Pregnancy</b>									
In good to excellent health	89.1	85.2 - 93.0	13,700	90.8 *	84.3 - 97.3	4,500	88.2	83.4 - 93.1	9,100
Chronic conditions									
Diabetes†	3.0 *	0.5 - 5.4	500	--			4.1 *	0.5 - 7.7	400
Hypertension†	2.9 *	0.9 - 4.9	400	--			4.0 *	1.1 - 6.9	400
Asthma†	13.3	9.0 - 17.6	2,000	12.7	6.6 - 18.8	600	13.7	8.0 - 19.4	1,400
<b>Nutrition and Weight</b>									
Daily folic acid use, month before pregnancy	27.1	22.0 - 32.2	4,200	35.4	26.3 - 44.6	1,800	23.1	17.1 - 29.0	2,400
Overweight before pregnancy	28.0	22.6 - 33.3	4,000	27.7	18.9 - 36.6	1,300	28.3	21.6 - 35.0	2,700
Obese before pregnancy	24.2	19.0 - 29.3	3,500	12.8	7.3 - 18.2	600	29.6	22.6 - 36.6	2,800
Inadequate weight gain during pregnancy	16.6	11.9 - 21.2	2,000	16.7	8.6 - 24.7	700	16.6	10.9 - 22.4	1,300
Excessive weight gain during pregnancy	43.1	36.9 - 49.4	5,200	45.5	35.6 - 55.5	1,800	41.6	33.6 - 49.7	3,400
Food insecurity during pregnancy	16.1	12.1 - 20.2	2,500	20.1	11.7 - 28.5	1,000	14.3	10.0 - 18.7	1,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>									
Physical or psychological IPV during pregnancy	8.0	4.8 - 11.2	1,200	6.5 *	2.0 - 11.0	300	8.8	4.5 - 13.1	900
Prenatal depressive symptoms	14.1	9.9 - 18.2	2,200	12.8	6.6 - 19.0	600	14.8	9.4 - 20.2	1,500
Postpartum depressive symptoms	12.2	8.5 - 16.0	1,900	12.9	7.2 - 18.7	600	12.0	7.1 - 16.8	1,200
<b>Hardships and Support during Pregnancy</b>									
Experienced two or more hardships during childhood	29.8	24.3 - 35.2	4,400	28.1	18.9 - 37.2	1,400	30.8	24.0 - 37.7	3,100
Homeless or did not have a regular place to sleep	2.5 *	0.7 - 4.3	400	--			1.4 *	0.5 - 2.4	100
Moved due to problems paying rent or mortgage	6.0	3.1 - 8.9	900	6.5	2.7 - 10.3	300	5.8 *	1.8 - 9.7	600
Woman or partner lost job	12.1	8.5 - 15.7	1,800	10.3	5.1 - 15.5	500	13.0	8.3 - 17.7	1,300
Woman or partner had pay or hours cut back	11.8	7.8 - 15.9	1,800	14.6	6.6 - 22.7	700	10.6	6.0 - 15.1	1,100
Became separated or divorced	10.2	6.1 - 14.2	1,500	9.5 *	3.4 - 15.6	500	10.5	5.2 - 15.9	1,100
Had no practical or emotional support	3.1 *	0.9 - 5.3	500	--			2.9 *	0.3 - 5.5	300
<b>Substance Use</b>									
Any smoking, 3 months before pregnancy	13.7	9.3 - 18.2	2,100	13.5	5.9 - 21.0	700	14.0	8.5 - 19.4	1,400
Any smoking, 3rd trimester†	3.7 *	1.5 - 5.8	600	0.9 *	0.1 - 1.6	<100	5.0 *	1.8 - 8.2	500
Any smoking, postpartum	6.0	3.0 - 8.9	900	7.0 *	0.6 - 13.3	300	5.5	2.3 - 8.7	600
Any binge drinking, 3 months before pregnancy	15.3	10.9 - 19.7	2,300	21.5	13.8 - 29.2	1,000	12.5	7.1 - 17.9	1,300
Any alcohol use, 3rd trimester†	3.1	1.7 - 4.5	500	3.5 *	0.7 - 6.3	200	2.9	1.3 - 4.5	300
<b>Pregnancy Intention and Family Planning</b>									
Mistimed or unwanted pregnancy	27.0	21.9 - 32.1	4,100	28.9	19.7 - 38.0	1,400	26.3	20.1 - 32.5	2,700
Unsure of pregnancy intentions	18.9	14.0 - 23.7	2,900	13.9	7.7 - 20.1	700	21.4	14.9 - 27.9	2,200
Postpartum birth control use†	82.1	77.4 - 86.7	12,400	78.1	70.2 - 86.1	3,900	84.1	78.3 - 89.8	8,500
<b>Infant Sleep and Breastfeeding</b>									
Placed infant on back to sleep	80.2	75.6 - 84.8	12,200	80.7	74.3 - 87.1	3,900	79.9	73.8 - 86.0	8,200
Infant always or often shared bed	41.5	35.8 - 47.2	6,300	44.2	34.6 - 53.9	2,100	40.4	33.3 - 47.6	4,200
Intended to breastfeed, before birth	89.5	86.0 - 93.0	13,500	92.4 *	87.1 - 97.8	4,400	88.1	83.6 - 92.6	9,100
Intended to breastfeed exclusively, before birth	52.2	46.4 - 58.0	7,900	65.0	55.9 - 74.1	3,100	46.0	38.8 - 53.2	4,700
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	76.3	71.5 - 81.1	11,400	74.1	65.2 - 83.0	3,500	77.3	71.6 - 83.0	7,900
Exclusive breastfeeding, 1 month after delivery	36.7	31.1 - 42.3	5,400	39.2	29.9 - 48.5	1,900	35.2	28.1 - 42.2	3,500
Any breastfeeding, 3 months after delivery	51.2	44.4 - 57.9	5,700	46.9	36.0 - 57.8	1,800	53.8	45.2 - 62.4	3,800
Exclusive breastfeeding, 3 months after delivery	18.5	14.1 - 22.9	2,000	19.9	12.5 - 27.2	800	17.9	12.2 - 23.6	1,200



# MIHA Data Snapshot, Fresno County by Total Live Births, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Fresno County				First Live Birth				Second Live Birth or More			
	%	95% CI		N	%	95% CI		N	%	95% CI		N
<b>Service Utilization and Health Insurance Coverage</b>												
Had a usual source of pre-pregnancy care	66.9	61.5	- 72.4	10,300	57.0	47.3	- 66.6	2,800	71.5	65.0	- 77.9	7,400
Initiated prenatal care in 1st trimester	86.4	82.3	- 90.6	13,100	92.7 *	88.3	- 97.2	4,500	83.4	77.8	- 89.1	8,600
Mom or infant needed but couldn't afford care postpartum	7.7	4.7	- 10.8	1,200	6.4 *	2.3	- 10.5	300	8.4	4.3	- 12.5	900
Participated in WIC during pregnancy†	69.5	65.4	- 73.6	10,500	70.8	63.8	- 77.8	3,500	69.3	63.4	- 75.3	7,000
Received CalFresh (food stamps) during pregnancy	47.5	41.9	- 53.0	7,200	32.0	23.2	- 40.7	1,600	55.3	48.4	- 62.2	5,600
Pre-pregnancy insurance												
Medi-Cal	46.9	41.4	- 52.4	7,200	33.8	24.4	- 43.2	1,700	53.0	46.0	- 59.9	5,500
Uninsured	22.3	17.5	- 27.0	3,400	26.0	18.0	- 34.0	1,300	20.7	14.6	- 26.7	2,100
Private	28.9	24.8	- 33.0	4,400	36.6	28.2	- 45.0	1,800	25.2	20.1	- 30.3	2,600
Prenatal insurance												
Medi-Cal	72.2	68.5	- 75.9	11,000	68.3	60.8	- 75.8	3,300	74.6	69.6	- 79.5	7,700
Uninsured	0.7 *	0.0	- 1.4	100	--				--			
Private	25.0	21.4	- 28.5	3,800	26.7	19.9	- 33.4	1,300	23.6	18.8	- 28.5	2,400
Maternal postpartum insurance												
Medi-Cal	60.8	55.8	- 65.8	9,300	61.3	52.7	- 70.0	3,000	61.0	54.4	- 67.6	6,200
Uninsured	10.6	6.9	- 14.3	1,600	6.3 *	2.3	- 10.4	300	12.8	7.7	- 17.9	1,300
Private	26.6	22.8	- 30.4	4,100	27.7	20.2	- 35.3	1,400	25.5	20.5	- 30.5	2,600
Infant health insurance												
Medi-Cal	71.7	67.7	- 75.7	10,800	69.4	61.7	- 77.0	3,400	73.1	67.8	- 78.4	7,500
Uninsured	1.9 *	0.6	- 3.2	300	--				2.1 *	0.3	- 3.9	200
Private	25.0	21.3	- 28.7	3,800	27.7	20.3	- 35.1	1,300	23.4	18.6	- 28.3	2,400
<b>Maternal Demographics</b>												
Age												
15-19	8.3	5.1	- 11.5	1,300	18.1	10.8	- 25.4	900	3.6 *	0.6	- 6.7	400
20-34	78.3	73.3	- 83.3	12,000	76.4	68.6	- 84.2	3,800	79.1	72.8	- 85.5	8,200
35+	13.4	9.2	- 17.6	2,100	5.6 *	2.2	- 8.9	300	17.3	11.4	- 23.2	1,800
Did not complete high school (or GED)	24.9	19.6	- 30.2	3,700	13.2	5.5	- 20.9	600	30.8	23.8	- 37.7	3,100
Unmarried	51.8	46.3	- 57.3	7,900	57.5	48.3	- 66.6	2,900	49.5	42.3	- 56.6	5,100
Race/Ethnicity												
White	19.9	15.9	- 23.9	3,000	20.7	13.7	- 27.7	1,000	19.4	14.3	- 24.5	2,000
Hispanic	61.7	56.6	- 66.8	9,400	55.8	46.7	- 64.9	2,800	64.5	58.0	- 71.0	6,600
Asian/Pacific Islander	12.1	8.0	- 16.2	1,800	17.1	9.4	- 24.8	800	9.8	5.0	- 14.6	1,000
Black	5.5	4.7	- 6.3	800	6.0	3.9	- 8.2	300	5.3	4.0	- 6.6	500
Born outside the U.S.	30.5	25.2	- 35.7	4,700	20.3	12.7	- 27.8	1,000	35.1	28.3	- 42.0	3,600
Speaks non-English language at home	30.4	25.1	- 35.8	4,600	28.2	19.1	- 37.3	1,400	31.2	24.5	- 38.0	3,200
Lives in a high poverty neighborhood	74.0	69.4	- 78.6	11,100	69.7	61.6	- 77.9	3,300	75.8	69.9	- 81.7	7,700
Income as a percent of the Federal Poverty Guideline												
0-100%	58.7	53.4	- 64.0	8,600	48.7	39.1	- 58.2	2,300	63.4	56.9	- 69.9	6,300
101-200%	19.0	14.0	- 24.0	2,800	22.0	12.2	- 31.7	1,000	17.8	12.1	- 23.5	1,800
> 200%	22.2	18.7	- 25.8	3,300	29.4	21.8	- 36.9	1,400	18.8	14.2	- 23.5	1,900

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