

# MIHA Report, 2013-2014

Data from the Maternal and Infant Health Assessment (MIHA) Survey

October 2016



California Statewide, County and Regional  
Snapshots of Maternal and Infant Health Data

# Acknowledgements

## MIHA Report, 2013-2014

Data from the Maternal  
and Infant Health  
Assessment (MIHA)  
Survey

October 2016

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This report was prepared by the California Maternal, Child and Adolescent Health (MCAH) Division. This publication and additional information about MIHA are available online at [www.cdph.ca.gov/MIHA](http://www.cdph.ca.gov/MIHA).

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MIHA is a collaborative effort of the MCAH Division and the Women, Infants and Children (WIC) Division in the California Department of Public Health and the Center on Social Disparities in Health at the University of California San Francisco (UCSF). Paula Braveman, MD, MPH, is the Principal Investigator of the MIHA survey.

We offer our sincerest thanks to the women who participated in MIHA in order to help improve the health of mothers and infants in California.

Many state and local MCAH Program staff provided review and input in the development of this report. In particular, we would like to thank the MIHA Stakeholders for volunteering their expertise in the development and dissemination of this report and the overall MIHA survey.

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# Introduction

Each year over 500,000 women give birth in California. Although most pregnancies are healthy, many women and infants face challenges in reaching optimal health. To address these challenges, the California Maternal, Child and Adolescent Health (MCAH) Division works with statewide and local partners to develop systems that protect and improve the health of California's reproductive-aged and pregnant women, infants, children, adolescents, and their families.

One such effort implemented by the California MCAH Division is the Maternal and Infant Health Assessment survey (MIHA). MIHA is a population-based survey of women with a recent live birth that has been conducted annually since 1999. The survey provides essential information not available from other sources to guide health policies and programs.

Using 2013-2014 MIHA data, this report presents key indicators of maternal and infant health in California for the 35 counties with the largest numbers of births and the 9 MIHA regions of California. Three of the MIHA regions are also counties (Los Angeles County, Orange County and San Diego County) and data for these three counties are only shown in the county section of this report. Previous MIHA reports have included data for 20 California counties; this is the first report that has included data for 35 California counties, which represent 98% of the state's births. The information in this report can be used by local health jurisdictions, state agencies, community-based organizations, care providers and others to support public health planning and program and policy development. Stakeholders can use these data to collaborate with partners across multiple disciplines to ensure that all California mothers and infants have healthy places in which to live, grow, work and play.

# Methods

MIHA is a stratified random sample of English- or Spanish-speaking women 15 years or older who had a live birth and who resided in California at the time of birth. MIHA data are weighted to represent all women with a live birth in California, excluding women who were non-residents, were younger than 15 years old at delivery, had a multiple birth greater than triplets, or had a missing address on the birth certificate. In order to allow for county-level estimates, women were sampled separately in the 35 counties with the most births. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The response rate was 70.6% for 2013 and 70.8% for 2014.

MIHA data are collected by mail with telephone follow-up to non-respondents. The questionnaire collects information about maternal and infant experiences before, during and shortly after pregnancy. The MIHA questionnaire and methods are similar to those used by the Centers for Disease Control and Prevention in conducting the multi-state Pregnancy Risk Assessment Monitoring System.

Data for this report were analyzed to account for MIHA's complex survey design using SAS software. The percentage and estimated number of women in the population with a given health indicator or characteristic are best estimates of the actual prevalence in the population. The 95% confidence interval (95% CI) means that there is a 95% chance that the range contains the actual prevalence in the population. The relative standard error (RSE) is used to measure the statistical reliability of survey estimates. When noted with a (\*), estimates should be interpreted with caution due to low statistical reliability.

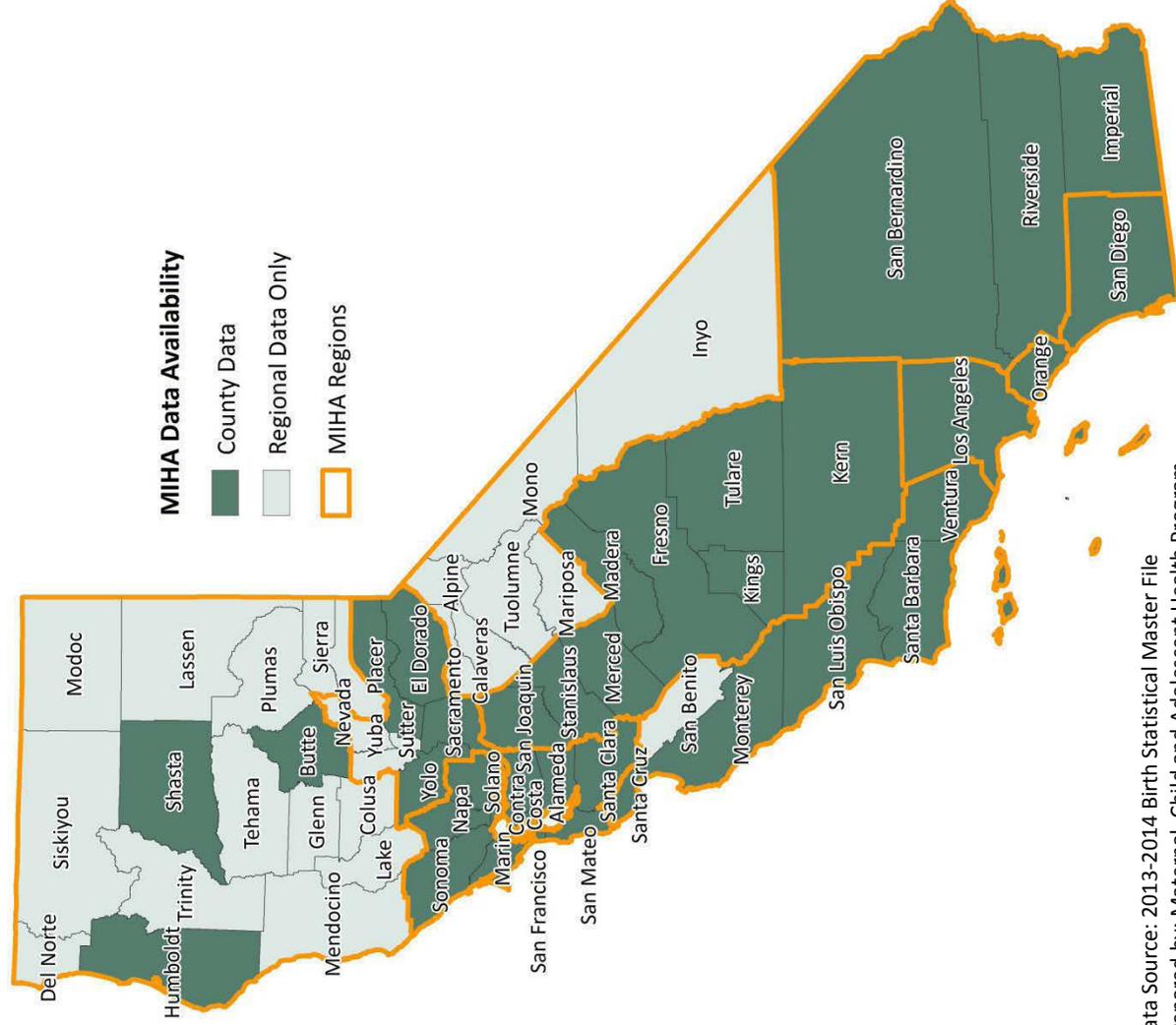
Statistical differences between each local area (i.e., county or region) and the rest of California were assessed using the chi-square test. To help stakeholders identify health issues specific to their local area, a symbol indicating whether the area is better (✓), worse (✗), or not statistically different (♦) from the rest of California is shown next to each indicator. Demographics, health insurance coverage, health care utilization and public program participation are described as higher (↑), lower (↓), or not statistically different (♦) from the rest of California.

Definitions for each indicator, a description of the annotation and suppression criteria, and the revised weighting methodology used in 2013-2014 are in the Technical Notes.



# MIHA County Level Data Availability, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey



**Top 35 Birthing Counties**  
% of California resident women with a live birth in 2013-2014

Los Angeles	26.0%	Santa Barbara	1.2%
San Diego	8.8%	Solano	1.1%
Orange	7.6%	Sonoma	1.0%
San Bernardino	6.2%	Merced	0.8%
Riverside	6.0%	Placer	0.7%
Santa Clara	4.7%	Imperial	0.6%
Sacramento	3.9%	Santa Cruz	0.6%
Alameda	3.9%	San Luis Obispo	0.5%
Fresno	3.2%	Butte	0.5%
Kern	2.9%	Yolo	0.5%
Contra Costa	2.5%	Kings	0.5%
Ventura	2.1%	Marin	0.5%
San Joaquin	2.0%	Madera	0.5%
San Francisco	1.8%	Shasta	0.4%
San Mateo	1.8%	El Dorado	0.3%
Tulare	1.5%	Humboldt	0.3%
Stanislaus	1.5%	Napa	0.3%
Monterey	1.3%		

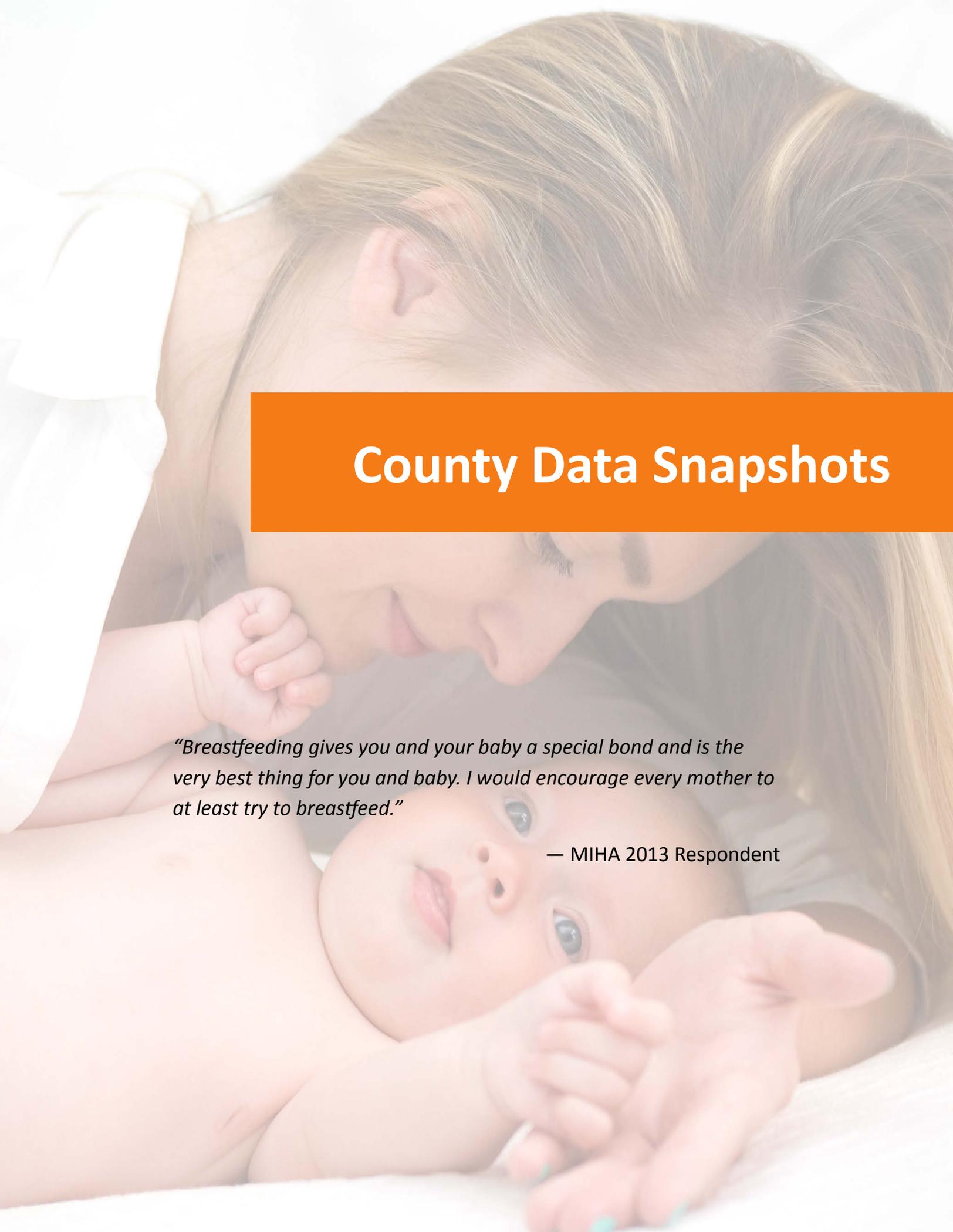


# MIHA Regions of California, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey





A close-up photograph of a woman with long, light brown hair leaning over a baby. She is holding the baby's hands, and the baby is looking up at her. The scene is intimate and tender. An orange banner is overlaid on the image, containing the title text.

# County Data Snapshots

*“Breastfeeding gives you and your baby a special bond and is the very best thing for you and baby. I would encourage every mother to at least try to breastfeed.”*

— MIHA 2013 Respondent





# MIHA Data Snapshot, Alameda County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Alameda County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	✓	95.7	93.9 - 97.5	18,200	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	3.2 *	1.1 - 5.2	600	2.3	1.8 - 2.8	10,900
Hypertension†	♦	1.7 *	0.5 - 2.9	300	2.5	2.0 - 2.9	11,900
Asthma†	✗	12.4	7.9 - 16.8	2,300	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✓	40.1	34.3 - 45.8	7,700	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	26.6	21.2 - 32.0	4,900	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	17.4	13.1 - 21.7	3,200	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	19.4	14.5 - 24.3	3,100	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	40.0	33.5 - 46.5	6,500	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	✓	12.9	9.6 - 16.1	2,400	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	✓	4.5	2.8 - 6.2	900	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	12.3	8.7 - 15.9	2,300	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	9.8	6.3 - 13.2	1,900	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✓	19.3	14.7 - 23.9	3,600	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	2.9	1.6 - 4.2	600	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	5.0	2.5 - 7.5	900	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	11.3	8.0 - 14.5	2,100	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	11.3	7.8 - 14.8	2,100	11.8	10.7 - 12.8	57,100
Became separated or divorced	✓	4.1	2.2 - 6.0	800	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	✓	1.7 *	0.7 - 2.8	300	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✓	8.3	5.5 - 11.0	1,600	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	2.0	0.9 - 3.1	400	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	4.0	2.1 - 5.8	700	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	12.1	7.9 - 16.3	2,300	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	9.3	5.7 - 13.0	1,800	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✓	24.1	19.2 - 29.1	4,600	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	13.6	9.7 - 17.4	2,600	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	✓	86.7	82.8 - 90.5	16,100	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	80.5	75.7 - 85.3	15,100	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	34.8	29.2 - 40.4	6,500	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	94.3	91.5 - 97.1	17,500	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	68.2	62.6 - 73.7	12,700	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	88.4	84.9 - 92.0	16,500	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	49.2	43.0 - 55.4	8,900	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	♦	71.0	64.8 - 77.2	10,500	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	34.0	27.5 - 40.5	4,900	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Alameda County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Alameda County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↑	84.0	79.7 - 88.4	16,000	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	90.9	87.6 - 94.3	17,100	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↑	91.6	88.9 - 94.3	17,500	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	10.6	7.1 - 14.1	2,000	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	42.3	38.2 - 46.4	7,900	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	19.5	15.7 - 23.4	3,700	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	♦	23.5	19.5 - 27.5	4,500	24.5	23.1 - 25.8	119,600
Uninsured	↓	12.4	9.0 - 15.9	2,400	24.0	22.6 - 25.4	117,500
Private	↑	59.8	55.4 - 64.2	11,400	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↓	38.6	34.4 - 42.8	7,400	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.6 *	0.5 - 2.7	300	1.6	1.2 - 2.0	7,900
Private	↑	57.7	53.3 - 62.1	11,000	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	27.7	23.7 - 31.7	5,300	36.2	34.7 - 37.6	175,700
Uninsured	↓	8.0	5.3 - 10.7	1,500	15.0	13.8 - 16.2	72,800
Private	↑	61.0	56.6 - 65.4	11,600	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↓	39.3	35.1 - 43.4	7,300	52.2	50.9 - 53.6	250,400
Uninsured	♦	4.2	1.8 - 6.7	800	2.9	2.2 - 3.5	13,700
Private	↑	54.6	50.0 - 59.1	10,100	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	3.2 *	1.2 - 5.2	600	5.6	4.9 - 6.4	27,500
20-34	♦	70.7	65.3 - 76.2	13,500	74.5	73.0 - 76.0	365,300
35+	↑	26.1	20.8 - 31.3	5,000	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	12.8	9.2 - 16.4	2,400	16.5	15.2 - 17.7	79,900
Unmarried	↓	31.9	27.1 - 36.7	6,000	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	29.5	24.7 - 34.3	5,400	49.2	47.7 - 50.7	236,500
Black	↑	11.0	9.3 - 12.6	2,000	5.7	5.3 - 6.1	27,400
White	♦	25.9	20.4 - 31.3	4,700	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↑	33.2	27.3 - 39.1	6,000	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↑	48.5	42.6 - 54.5	9,300	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↑	36.0	30.4 - 41.6	6,600	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	24.1	20.1 - 28.1	4,500	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	31.2	27.0 - 35.4	5,600	41.0	39.5 - 42.4	188,800
101-200%	♦	17.3	12.8 - 21.8	3,100	20.8	19.4 - 22.2	96,000
> 200%	↑	51.5	46.5 - 56.5	9,300	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Alameda County was 422. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Butte County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Butte County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	89.6	85.7 - 93.5	2,200	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†		--			2.3	1.8 - 2.8	10,900
Hypertension†	♦	4.0	2.0 - 6.0	100	2.5	2.0 - 2.9	11,900
Asthma†	✗	12.2	9.0 - 15.5	300	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	32.6	27.9 - 37.4	800	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	22.1	17.7 - 26.4	500	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	21.0	16.5 - 25.5	500	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	✓	12.0	8.5 - 15.5	300	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	✗	49.9	44.4 - 55.4	1,000	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	18.9	14.5 - 23.3	500	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	8.4	5.3 - 11.4	200	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	16.3	12.3 - 20.4	400	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	16.3	12.4 - 20.2	400	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✗	34.2	29.3 - 39.1	800	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	4.1	2.1 - 6.1	100	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	9.3	6.3 - 12.4	200	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	13.8	10.2 - 17.4	300	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	✗	15.5	11.8 - 19.3	400	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	7.1	4.2 - 10.0	200	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.5	1.6 - 5.5	100	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✗	25.1	20.6 - 29.7	600	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✗	11.1	7.9 - 14.4	300	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✗	18.4	14.3 - 22.5	400	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	✗	24.0	19.5 - 28.4	600	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	8.0	4.8 - 11.2	200	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	27.8	23.0 - 32.6	700	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	14.2	10.5 - 17.9	300	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	82.3	78.1 - 86.6	1,900	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	78.0	73.6 - 82.5	1,800	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	39.6	34.5 - 44.8	900	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	90.4	87.5 - 93.4	2,100	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	73.9	69.2 - 78.5	1,700	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	85.0	81.2 - 88.7	2,000	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	63.7	58.6 - 68.8	1,400	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	♦	67.9	61.9 - 73.8	1,100	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	41.2	35.0 - 47.4	700	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Butte County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Butte County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↓	60.1	55.1 - 65.1	1,400	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	87.6	83.9 - 91.3	2,100	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	89.8	86.9 - 92.7	2,200	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	14.3	10.3 - 18.3	300	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	♦	59.0	53.9 - 64.0	1,400	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	33.8	28.8 - 38.7	800	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	37.1	32.1 - 42.2	900	24.5	23.1 - 25.8	119,600
Uninsured	↓	18.1	14.1 - 22.0	400	24.0	22.6 - 25.4	117,500
Private	↓	41.5	36.4 - 46.6	1,000	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	58.7	53.6 - 63.8	1,400	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↓	35.9	30.9 - 40.9	900	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	51.1	45.9 - 56.2	1,200	36.2	34.7 - 37.6	175,700
Uninsured	↓	8.9	6.1 - 11.7	200	15.0	13.8 - 16.2	72,800
Private	↓	39.1	34.0 - 44.1	900	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	62.4	57.3 - 67.4	1,500	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.5 *	0.2 - 4.7	100	2.9	2.2 - 3.5	13,700
Private	↓	32.7	27.8 - 37.5	800	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	6.1	2.9 - 9.3	100	5.6	4.9 - 6.4	27,500
20-34	↑	81.4	77.1 - 85.7	2,000	74.5	73.0 - 76.0	365,300
35+	↓	12.5	9.2 - 15.9	300	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	12.0	8.1 - 15.9	300	16.5	15.2 - 17.7	79,900
Unmarried	↑	46.9	41.6 - 52.1	1,100	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	18.1	13.8 - 22.3	400	49.2	47.7 - 50.7	236,500
Black	↓	1.8	1.0 - 2.6	< 100	5.7	5.3 - 6.1	27,400
White	↑	71.3	66.6 - 76.1	1,700	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	7.1	4.5 - 9.6	200	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	11.5	8.3 - 14.7	300	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	8.4	5.5 - 11.3	200	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↑	47.8	42.4 - 53.1	1,100	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	♦	45.5	40.3 - 50.7	1,100	41.0	39.5 - 42.4	188,800
101-200%	♦	21.5	17.2 - 25.7	500	20.8	19.4 - 22.2	96,000
> 200%	♦	33.1	28.2 - 37.9	800	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Butte County was 407. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Contra Costa County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Contra Costa County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	92.6	89.9 - 95.2	11,200	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.1 *	0.7 - 3.4	200	2.3	1.8 - 2.8	10,900
Hypertension†	♦	1.7	0.7 - 2.7	200	2.5	2.0 - 2.9	11,900
Asthma†	♦	7.9	4.9 - 10.8	900	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	31.5	26.0 - 37.0	3,800	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	25.6	20.5 - 30.6	2,900	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	19.4	14.9 - 23.9	2,200	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	18.2	13.3 - 23.1	1,900	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	43.0	36.8 - 49.2	4,400	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	✓	12.6	9.7 - 15.6	1,500	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	7.6	4.6 - 10.5	900	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	14.2	10.6 - 17.9	1,700	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	16.4	12.1 - 20.6	2,000	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	24.9	20.1 - 29.7	3,000	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.8	2.1 - 5.5	500	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	5.9	3.6 - 8.1	700	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	13.6	10.2 - 17.1	1,600	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	11.3	7.4 - 15.2	1,400	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	7.2	4.4 - 10.0	900	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.3	1.4 - 5.1	400	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	10.0	7.0 - 13.0	1,200	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	3.1	1.3 - 4.8	400	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	5.6	3.3 - 7.9	700	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	12.9	8.9 - 16.9	1,600	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	9.2	5.6 - 12.8	1,100	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	28.3	23.2 - 33.3	3,400	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	11.9	8.3 - 15.4	1,400	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	78.2	73.1 - 83.3	9,300	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✓	86.0	82.2 - 89.7	10,300	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	39.0	33.4 - 44.6	4,700	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	94.5	92.0 - 97.1	11,300	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	70.0	64.9 - 75.2	8,400	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	86.3	82.7 - 89.9	10,200	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	49.9	43.9 - 55.8	5,900	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	78.8	74.0 - 83.5	7,300	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	37.1	30.3 - 43.9	3,400	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Contra Costa County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Contra Costa County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	75.4	70.8 - 80.0	9,100	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	88.4	84.9 - 91.8	10,600	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↑	94.8	93.0 - 96.7	11,500	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	11.4	8.0 - 14.7	1,400	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	40.7	36.8 - 44.6	4,700	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	17.8	14.6 - 21.0	2,100	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	18.4	14.9 - 21.8	2,200	24.5	23.1 - 25.8	119,600
Uninsured	↓	16.5	13.0 - 20.0	2,000	24.0	22.6 - 25.4	117,500
Private	↑	62.9	58.7 - 67.0	7,600	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↓	35.3	31.4 - 39.2	4,300	49.7	48.4 - 51.0	242,800
Uninsured	♦	2.5 *	0.9 - 4.2	300	1.6	1.2 - 2.0	7,900
Private	↑	59.7	55.4 - 63.9	7,200	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	27.5	23.9 - 31.1	3,300	36.2	34.7 - 37.6	175,700
Uninsured	↓	8.1	5.5 - 10.6	1,000	15.0	13.8 - 16.2	72,800
Private	↑	62.2	58.3 - 66.1	7,500	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↓	38.2	34.3 - 42.1	4,500	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.5 *	0.8 - 4.2	300	2.9	2.2 - 3.5	13,700
Private	↑	56.5	52.1 - 60.9	6,700	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	4.0	2.1 - 5.8	500	5.6	4.9 - 6.4	27,500
20-34	♦	71.6	66.1 - 77.0	8,700	74.5	73.0 - 76.0	365,300
35+	♦	24.5	19.2 - 29.8	3,000	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	13.6	10.4 - 16.7	1,600	16.5	15.2 - 17.7	79,900
Unmarried	↓	30.1	25.9 - 34.4	3,600	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	34.6	29.7 - 39.6	4,100	49.2	47.7 - 50.7	236,500
Black	↑	9.2	7.8 - 10.5	1,100	5.7	5.3 - 6.1	27,400
White	↑	38.5	32.9 - 44.1	4,500	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	♦	17.6	12.6 - 22.6	2,100	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	♦	36.4	31.0 - 41.8	4,400	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	26.4	21.9 - 30.9	3,100	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	26.6	22.4 - 30.8	3,200	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	28.1	24.3 - 31.9	3,100	41.0	39.5 - 42.4	188,800
101-200%	♦	16.8	12.4 - 21.2	1,900	20.8	19.4 - 22.2	96,000
> 200%	↑	55.2	50.6 - 59.7	6,200	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Contra Costa County was 422. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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, El Dorado County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		El Dorado County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	94.3	91.4 - 97.3	1,500	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†		--			2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.2 *	0.8 - 3.6	< 100	2.5	2.0 - 2.9	11,900
Asthma†	♦	10.0	6.4 - 13.6	200	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✓	38.4	33.1 - 43.7	600	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	27.3	22.3 - 32.3	400	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✓	13.3	9.9 - 16.6	200	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	✓	11.7	8.2 - 15.2	200	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	✗	48.3	42.5 - 54.1	700	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	14.2	10.2 - 18.3	200	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	6.8	3.4 - 10.1	100	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	10.3	6.8 - 13.8	200	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	✓	8.9	6.0 - 11.9	100	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	28.5	23.4 - 33.6	400	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.0 *	1.1 - 4.8	< 100	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	7.6	4.7 - 10.4	100	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	12.1	8.4 - 15.9	200	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	✗	16.3	11.8 - 20.8	300	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	5.5	2.6 - 8.3	100	7.6	6.7 - 8.5	37,000
Had no practical or emotional support		--			4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✗	21.1	16.2 - 26.0	300	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✗	8.6	5.0 - 12.1	100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✗	13.7	9.6 - 17.8	200	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	✗	22.0	17.3 - 26.7	300	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✗	12.3	8.5 - 16.1	200	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✓	23.5	18.5 - 28.5	400	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	14.0	10.1 - 17.9	200	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	✓	88.5	85.1 - 91.9	1,300	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	81.8	77.7 - 85.9	1,200	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	33.4	28.4 - 38.4	500	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	✓	98.0 *	96.6 - 99.4	1,500	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	84.1	80.0 - 88.3	1,300	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	90.8	87.5 - 94.2	1,400	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	61.8	56.4 - 67.2	900	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	76.5	70.9 - 82.0	800	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	44.2	37.8 - 50.7	500	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, El Dorado County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		El Dorado County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↑	77.1	72.6 - 81.6	1,200	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	93.3	90.3 - 96.4	1,400	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	91.7	88.3 - 95.2	1,400	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	11.6	7.8 - 15.4	200	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	37.9	32.5 - 43.2	600	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	18.3	13.5 - 23.2	300	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	15.7	11.6 - 19.8	200	24.5	23.1 - 25.8	119,600
Uninsured	↓	16.3	12.0 - 20.7	300	24.0	22.6 - 25.4	117,500
Private	↑	64.1	58.7 - 69.6	1,000	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↓	38.6	33.3 - 43.9	600	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↑	56.8	51.5 - 62.2	900	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	29.0	24.0 - 33.9	400	36.2	34.7 - 37.6	175,700
Uninsured	↓	9.8	6.3 - 13.3	200	15.0	13.8 - 16.2	72,800
Private	↑	59.6	54.3 - 64.9	900	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↓	44.9	39.6 - 50.2	700	52.2	50.9 - 53.6	250,400
Uninsured		--			2.9	2.2 - 3.5	13,700
Private	↑	52.4	47.0 - 57.7	800	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	3.9	1.6 - 6.2	100	5.6	4.9 - 6.4	27,500
20-34	♦	77.6	73.1 - 82.0	1,200	74.5	73.0 - 76.0	365,300
35+	♦	18.6	14.4 - 22.7	300	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↓	4.8	2.4 - 7.2	100	16.5	15.2 - 17.7	79,900
Unmarried	↓	29.6	24.2 - 35.1	500	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	16.3	11.7 - 20.8	200	49.2	47.7 - 50.7	236,500
Black		--			5.7	5.3 - 6.1	27,400
White	↑	75.2	70.0 - 80.4	1,100	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	5.7	2.8 - 8.7	100	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	13.8	9.8 - 17.9	200	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	9.9	6.4 - 13.4	200	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	6.8	3.8 - 9.8	100	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	24.4	19.3 - 29.5	400	41.0	39.5 - 42.4	188,800
101-200%	♦	25.9	20.7 - 31.2	400	20.8	19.4 - 22.2	96,000
> 200%	↑	49.7	44.0 - 55.3	700	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of El Dorado County was 353. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Fresno County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Fresno County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	89.7	85.3 - 94.1	13,900	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	1.3 *	0.1 - 2.5	200	2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.6 *	0.6 - 4.5	400	2.5	2.0 - 2.9	11,900
Asthma†	✗	11.6	7.2 - 15.9	1,800	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	28.2	21.8 - 34.6	4,400	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	25.5	19.4 - 31.5	3,800	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✗	27.1	20.4 - 33.7	4,000	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	15.7	10.0 - 21.4	2,000	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	42.5	35.0 - 50.0	5,400	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	16.4	11.5 - 21.4	2,500	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	4.8	2.4 - 7.2	700	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	10.9	6.6 - 15.2	1,700	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	10.4	6.5 - 14.4	1,600	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	31.0	24.4 - 37.7	4,700	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	2.9 *	0.3 - 5.5	400	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	6.4	2.7 - 10.0	1,000	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	10.9	6.6 - 15.3	1,700	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	11.4	6.6 - 16.2	1,800	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	9.7	5.1 - 14.2	1,500	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	2.3 *	0.1 - 4.6	400	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	14.6	9.5 - 19.7	2,300	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	5.0 *	1.9 - 8.2	800	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	6.6	3.1 - 10.2	1,000	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	14.6	9.6 - 19.6	2,200	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✓	3.3	1.4 - 5.1	500	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	26.1	20.0 - 32.2	4,000	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	17.9	12.1 - 23.7	2,800	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	81.0	75.2 - 86.8	12,300	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	81.6	76.5 - 86.8	12,600	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	39.1	32.4 - 45.9	6,000	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	✗	87.4	82.8 - 91.9	13,500	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✗	52.0	44.9 - 59.0	8,000	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✗	76.3	70.6 - 82.0	11,700	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✗	32.4	26.1 - 38.7	4,800	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✗	51.2	43.0 - 59.4	5,800	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✗	18.2	12.6 - 23.7	2,000	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Fresno County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Fresno County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	64.7	58.0 - 71.5	10,000	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	87.5	82.9 - 92.1	13,400	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	84.6	79.4 - 89.9	13,100	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	8.2	4.2 - 12.2	1,300	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	70.1	65.2 - 75.1	10,800	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	46.4	39.5 - 53.2	7,100	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	43.1	36.2 - 49.9	6,700	24.5	23.1 - 25.8	119,600
Uninsured	♦	26.1	19.9 - 32.4	4,100	24.0	22.6 - 25.4	117,500
Private	↓	28.8	23.5 - 34.1	4,500	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	73.7	69.1 - 78.3	11,400	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↓	23.5	19.1 - 27.9	3,600	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	59.9	53.6 - 66.3	9,300	36.2	34.7 - 37.6	175,700
Uninsured	♦	11.0	6.2 - 15.9	1,700	15.0	13.8 - 16.2	72,800
Private	↓	26.7	21.6 - 31.8	4,100	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	72.4	67.4 - 77.3	11,100	52.2	50.9 - 53.6	250,400
Uninsured	↓	1.3 *	0.3 - 2.3	200	2.9	2.2 - 3.5	13,700
Private	↓	24.9	20.0 - 29.8	3,800	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	8.5	4.7 - 12.4	1,300	5.6	4.9 - 6.4	27,500
20-34	♦	78.6	72.5 - 84.7	12,200	74.5	73.0 - 76.0	365,300
35+	↓	12.9	7.6 - 18.1	2,000	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↑	24.3	18.0 - 30.7	3,700	16.5	15.2 - 17.7	79,900
Unmarried	↑	50.1	43.4 - 56.8	7,800	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	62.2	56.0 - 68.5	9,500	49.2	47.7 - 50.7	236,500
Black	♦	5.7	4.6 - 6.8	900	5.7	5.3 - 6.1	27,400
White	↓	19.4	14.6 - 24.3	3,000	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	♦	11.9	6.7 - 17.2	1,800	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	30.8	24.3 - 37.3	4,800	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	32.3	25.6 - 39.1	5,000	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↑	76.1	70.6 - 81.6	11,400	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	60.5	54.2 - 66.9	9,100	41.0	39.5 - 42.4	188,800
101-200%	♦	17.9	12.1 - 23.6	2,700	20.8	19.4 - 22.2	96,000
> 200%	↓	21.6	17.0 - 26.2	3,300	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Fresno County was 375. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Humboldt County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Humboldt County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	91.6	87.8 - 95.4	1,400	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	4.2 *	0.6 - 7.9	100	2.3	1.8 - 2.8	10,900
Hypertension†	♦	3.5 *	1.4 - 5.7	100	2.5	2.0 - 2.9	11,900
Asthma†	✗	14.7	10.0 - 19.5	200	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✗	23.3	18.8 - 27.8	300	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	28.2	22.6 - 33.8	400	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	21.0	15.7 - 26.3	300	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	✓	9.6	6.4 - 12.7	100	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	✗	50.2	43.6 - 56.8	600	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	17.7	13.1 - 22.3	300	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	9.1	5.7 - 12.4	100	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	14.3	9.6 - 19.0	200	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	16.9	12.2 - 21.6	200	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✗	36.1	30.2 - 42.0	500	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	1.8 *	0.5 - 3.0	< 100	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	5.1	3.0 - 7.3	100	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	14.4	10.5 - 18.2	200	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	15.5	11.4 - 19.5	200	11.8	10.7 - 12.8	57,100
Became separated or divorced	✗	11.3	7.2 - 15.4	200	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	✓	2.1 *	0.7 - 3.6	< 100	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✗	25.4	19.8 - 30.9	400	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✗	10.4	6.6 - 14.2	200	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✗	12.8	8.5 - 17.1	200	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	✗	22.5	17.6 - 27.3	300	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✗	12.2	8.2 - 16.1	200	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✓	23.4	18.4 - 28.4	300	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	✗	18.0	13.0 - 23.1	300	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	81.0	75.9 - 86.1	1,200	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	76.9	71.7 - 82.0	1,100	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	57.0	51.2 - 62.9	800	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	92.9	90.1 - 95.8	1,400	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	79.8	75.1 - 84.4	1,200	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	87.7	84.0 - 91.5	1,300	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	59.6	53.7 - 65.6	900	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	79.4	74.2 - 84.7	900	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	45.9	38.9 - 53.0	500	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Humboldt County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Humboldt County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	71.6	66.5 - 76.7	1,100	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↓	84.9	79.9 - 89.8	1,200	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↑	95.0	92.7 - 97.2	1,400	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	9.8	6.3 - 13.2	100	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	♦	54.8	49.2 - 60.4	800	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	34.1	28.5 - 39.7	500	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	32.5	26.9 - 38.1	500	24.5	23.1 - 25.8	119,600
Uninsured	♦	22.7	18.3 - 27.0	300	24.0	22.6 - 25.4	117,500
Private	♦	41.9	35.9 - 47.8	600	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	61.2	55.7 - 66.7	900	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↓	33.9	28.5 - 39.2	500	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	48.4	42.8 - 54.0	700	36.2	34.7 - 37.6	175,700
Uninsured	♦	13.5	9.7 - 17.3	200	15.0	13.8 - 16.2	72,800
Private	↓	37.4	31.9 - 42.9	600	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	66.7	61.4 - 72.0	1,000	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.5 *	0.4 - 4.6	< 100	2.9	2.2 - 3.5	13,700
Private	↓	28.7	23.5 - 33.8	400	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	7.0	3.5 - 10.5	100	5.6	4.9 - 6.4	27,500
20-34	♦	78.8	74.1 - 83.5	1,200	74.5	73.0 - 76.0	365,300
35+	↓	14.2	10.9 - 17.5	200	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	11.9	7.7 - 16.1	200	16.5	15.2 - 17.7	79,900
Unmarried	↑	52.5	46.8 - 58.1	800	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	15.7	11.0 - 20.4	200	49.2	47.7 - 50.7	236,500
Black		--			5.7	5.3 - 6.1	27,400
White	↑	70.5	65.2 - 75.7	1,000	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	4.2 *	1.7 - 6.7	100	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	10.0	6.6 - 13.5	100	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	7.1	3.8 - 10.5	100	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	♦	41.5	35.3 - 47.8	500	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	♦	43.8	37.6 - 50.0	600	41.0	39.5 - 42.4	188,800
101-200%	♦	23.2	18.1 - 28.4	300	20.8	19.4 - 22.2	96,000
> 200%	♦	33.0	27.5 - 38.5	500	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Humboldt County was 379. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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, Imperial County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Imperial County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	88.9	84.9 - 93.0	2,800	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†		--			2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.7 *	0.7 - 4.8	100	2.5	2.0 - 2.9	11,900
Asthma†	♦	7.7	4.2 - 11.2	200	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✗	25.4	20.2 - 30.7	800	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	30.1	24.1 - 36.2	900	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	25.0	19.3 - 30.7	700	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	✗	26.9	20.1 - 33.7	600	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	40.5	33.6 - 47.5	900	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	17.3	13.0 - 21.5	500	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	9.5	5.7 - 13.3	300	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	✗	19.3	14.3 - 24.2	600	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	✗	18.3	13.2 - 23.5	600	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	26.3	20.7 - 31.9	800	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	✗	6.5	3.7 - 9.3	200	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	✗	10.5	6.7 - 14.2	300	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	17.3	12.8 - 21.9	500	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	13.2	8.9 - 17.5	400	11.8	10.7 - 12.8	57,100
Became separated or divorced	✗	10.8	7.3 - 14.4	300	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	5.8	2.8 - 8.7	200	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	13.7	9.3 - 18.2	400	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	5.2 *	1.8 - 8.6	200	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	4.1 *	1.6 - 6.7	100	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	✗	20.1	14.9 - 25.3	600	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	4.4 *	1.5 - 7.4	100	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	34.5	28.7 - 40.4	1,100	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	10.9	6.8 - 15.0	300	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	✓	89.6	86.0 - 93.1	2,700	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✗	72.6	67.0 - 78.3	2,200	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	40.5	34.3 - 46.6	1,200	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	92.2	88.4 - 96.0	2,800	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✗	50.7	44.4 - 56.9	1,600	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	79.6	74.7 - 84.5	2,400	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✗	29.8	23.9 - 35.7	900	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✗	55.8	48.7 - 62.9	1,300	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✗	11.3	7.3 - 15.4	300	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Imperial County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Imperial County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↓	59.8	53.9 - 65.7	1,900	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↓	82.8	78.3 - 87.2	2,600	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	87.0	82.9 - 91.0	2,700	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	11.3	7.6 - 15.0	300	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	65.7	59.7 - 71.7	2,000	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	34.4	28.4 - 40.3	1,100	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	34.7	28.5 - 40.8	1,100	24.5	23.1 - 25.8	119,600
Uninsured	↑	33.6	27.9 - 39.2	1,000	24.0	22.6 - 25.4	117,500
Private	↓	29.7	24.0 - 35.4	900	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	63.5	57.6 - 69.4	2,000	49.7	48.4 - 51.0	242,800
Uninsured	↑	8.9	5.0 - 12.7	300	1.6	1.2 - 2.0	7,900
Private	↓	22.1	17.1 - 27.1	700	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	59.7	53.6 - 65.7	1,900	36.2	34.7 - 37.6	175,700
Uninsured	♦	14.3	9.7 - 18.9	400	15.0	13.8 - 16.2	72,800
Private	↓	24.4	19.3 - 29.6	800	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	66.9	60.9 - 72.9	2,000	52.2	50.9 - 53.6	250,400
Uninsured	↑	8.9	4.6 - 13.2	300	2.9	2.2 - 3.5	13,700
Private	↓	21.8	16.8 - 26.9	700	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	↑	10.2	6.8 - 13.7	300	5.6	4.9 - 6.4	27,500
20-34	♦	79.0	73.7 - 84.3	2,500	74.5	73.0 - 76.0	365,300
35+	↓	10.8	6.2 - 15.3	300	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	18.4	13.4 - 23.4	600	16.5	15.2 - 17.7	79,900
Unmarried	↑	52.4	46.2 - 58.6	1,600	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	92.8	90.0 - 95.6	2,900	49.2	47.7 - 50.7	236,500
Black	↓	1.3	0.6 - 2.0	< 100	5.7	5.3 - 6.1	27,400
White	↓	5.5	2.8 - 8.3	200	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	--	--	--	--	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	♦	42.7	36.5 - 48.8	1,300	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↑	52.9	46.7 - 59.1	1,600	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	♦	44.3	38.0 - 50.5	1,200	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	62.8	56.6 - 68.9	1,800	41.0	39.5 - 42.4	188,800
101-200%	♦	17.1	12.2 - 22.0	500	20.8	19.4 - 22.2	96,000
> 200%	↓	20.2	15.4 - 25.0	600	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Imperial County was 327. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Kern County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Kern County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	88.7	83.7 - 93.6	12,400	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	✓	0.7 *	0.1 - 1.3	100	2.3	1.8 - 2.8	10,900
Hypertension†	♦	1.5 *	0.1 - 2.9	200	2.5	2.0 - 2.9	11,900
Asthma†	♦	5.4 *	2.1 - 8.7	700	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	31.1	24.7 - 37.5	4,300	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	26.7	20.3 - 33.0	3,400	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✗	27.2	21.2 - 33.1	3,500	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	20.7	13.7 - 27.7	2,300	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	✗	49.5	41.9 - 57.1	5,400	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	19.3	13.4 - 25.1	2,700	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	8.4	4.6 - 12.2	1,200	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	17.6	12.3 - 22.9	2,400	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	16.3	11.2 - 21.5	2,300	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	28.8	22.4 - 35.3	3,900	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	1.6 *	0.6 - 2.6	200	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	5.9	3.2 - 8.6	800	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	16.5	11.3 - 21.7	2,300	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	12.1	7.6 - 16.5	1,700	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	8.7	5.3 - 12.1	1,200	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	4.3 *	1.6 - 7.0	600	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	13.6	9.1 - 18.2	1,900	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✗	5.9	2.7 - 9.2	800	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✗	9.9	6.0 - 13.8	1,400	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	14.3	9.5 - 19.1	2,000	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✓	2.5	1.1 - 3.8	300	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	36.7	30.1 - 43.4	5,100	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	14.1	9.3 - 18.8	1,900	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	81.9	76.7 - 87.0	11,100	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✗	72.4	66.3 - 78.6	9,900	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	31.3	24.9 - 37.7	4,300	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	✗	86.9	82.5 - 91.4	11,800	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✗	56.9	50.2 - 63.7	7,800	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✗	70.1	63.7 - 76.4	9,500	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	♦	37.6	31.0 - 44.2	5,000	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✗	51.1	43.3 - 58.9	5,400	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✗	20.4	14.5 - 26.4	2,200	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Kern County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Kern County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↓	63.4	56.7 - 70.1	8,800	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↓	80.7	75.0 - 86.4	11,100	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	86.0	81.7 - 90.4	12,000	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	12.9	8.0 - 17.9	1,700	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	73.3	69.2 - 77.4	10,200	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	37.5	31.1 - 43.9	5,200	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	39.8	33.3 - 46.3	5,500	24.5	23.1 - 25.8	119,600
Uninsured	♦	24.9	18.6 - 31.1	3,500	24.0	22.6 - 25.4	117,500
Private	↓	32.0	26.9 - 37.0	4,400	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	62.1	56.7 - 67.4	8,600	49.7	48.4 - 51.0	242,800
Uninsured	↑	5.1 *	2.1 - 8.2	700	1.6	1.2 - 2.0	7,900
Private	↓	29.0	24.6 - 33.4	4,000	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	46.9	40.5 - 53.4	6,500	36.2	34.7 - 37.6	175,700
Uninsured	♦	18.2	12.4 - 24.0	2,500	15.0	13.8 - 16.2	72,800
Private	↓	32.2	27.0 - 37.4	4,500	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	65.6	60.2 - 71.1	8,800	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.7 *	0.3 - 5.2	400	2.9	2.2 - 3.5	13,700
Private	↓	28.0	23.4 - 32.7	3,800	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	↑	9.5	5.5 - 13.6	1,300	5.6	4.9 - 6.4	27,500
20-34	♦	79.0	73.5 - 84.6	11,000	74.5	73.0 - 76.0	365,300
35+	↓	11.4	7.1 - 15.7	1,600	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	18.4	12.8 - 24.0	2,500	16.5	15.2 - 17.7	79,900
Unmarried	↑	51.8	45.2 - 58.3	7,200	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	61.6	55.7 - 67.4	8,600	49.2	47.7 - 50.7	236,500
Black	♦	6.0	4.9 - 7.0	800	5.7	5.3 - 6.1	27,400
White	♦	28.8	23.2 - 34.4	4,000	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	3.4 *	0.5 - 6.3	500	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	26.9	20.4 - 33.4	3,800	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	25.0	18.6 - 31.4	3,500	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↑	57.9	51.2 - 64.6	7,700	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	54.3	47.8 - 60.7	7,000	41.0	39.5 - 42.4	188,800
101-200%	♦	24.3	18.1 - 30.6	3,200	20.8	19.4 - 22.2	96,000
> 200%	↓	21.4	17.6 - 25.1	2,800	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Kern County was 367. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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, Kings County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Kings County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	90.5	87.3 - 93.7	2,100	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	✗	4.8	2.9 - 6.7	100	2.3	1.8 - 2.8	10,900
Hypertension†	♦	1.8 *	0.4 - 3.1	< 100	2.5	2.0 - 2.9	11,900
Asthma†	♦	9.0	6.0 - 12.0	200	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	31.3	25.8 - 36.7	700	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	✗	31.2	25.7 - 36.7	700	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✗	27.0	21.9 - 32.1	600	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	17.3	12.6 - 21.9	300	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	✗	50.2	43.8 - 56.6	900	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	20.8	16.1 - 25.4	500	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	✗	14.9	11.0 - 18.9	300	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	✗	19.8	15.2 - 24.4	500	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	16.8	12.3 - 21.2	400	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✗	31.1	25.7 - 36.4	700	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.4	1.5 - 5.3	100	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	6.6	3.8 - 9.4	200	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	16.5	12.1 - 21.0	400	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	12.0	8.3 - 15.7	300	11.8	10.7 - 12.8	57,100
Became separated or divorced	✗	11.7	8.0 - 15.4	300	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.0	1.3 - 4.6	100	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✗	17.2	13.0 - 21.4	400	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✗	4.7	2.7 - 6.6	100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✗	9.9	7.1 - 12.7	200	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	15.4	11.2 - 19.6	400	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	5.4	2.9 - 8.0	100	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✗	39.0	33.3 - 44.7	900	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	14.1	10.5 - 17.8	300	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	81.9	77.4 - 86.3	1,900	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✗	70.3	64.8 - 75.7	1,600	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	43.9	38.1 - 49.8	1,000	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	90.8	87.6 - 94.0	2,000	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	59.7	53.9 - 65.6	1,300	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✗	76.2	71.3 - 81.2	1,700	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	♦	41.4	35.5 - 47.3	900	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✗	54.9	48.3 - 61.4	900	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✗	19.4	14.1 - 24.6	300	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Kings County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Kings County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	74.4	69.5 - 79.4	1,700	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↓	83.4	79.1 - 87.8	1,900	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↓	78.7	74.0 - 83.4	1,800	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	12.8	8.6 - 16.9	300	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	76.9	71.9 - 81.9	1,800	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	36.9	31.4 - 42.4	900	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	38.3	32.7 - 43.9	900	24.5	23.1 - 25.8	119,600
Uninsured	♦	21.9	17.1 - 26.8	500	24.0	22.6 - 25.4	117,500
Private	↓	24.9	20.0 - 29.8	600	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	62.2	56.5 - 67.9	1,400	49.7	48.4 - 51.0	242,800
Uninsured	♦	2.3 *	0.2 - 4.4	100	1.6	1.2 - 2.0	7,900
Private	↓	20.8	16.2 - 25.4	500	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	52.7	46.9 - 58.5	1,200	36.2	34.7 - 37.6	175,700
Uninsured	♦	10.8	7.3 - 14.4	200	15.0	13.8 - 16.2	72,800
Private	↓	21.2	16.6 - 25.8	500	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	63.3	57.5 - 69.1	1,400	52.2	50.9 - 53.6	250,400
Uninsured	♦	3.8 *	1.4 - 6.1	100	2.9	2.2 - 3.5	13,700
Private	↓	18.0	13.4 - 22.7	400	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	↑	8.7	5.5 - 11.9	200	5.6	4.9 - 6.4	27,500
20-34	↑	81.2	76.8 - 85.7	1,900	74.5	73.0 - 76.0	365,300
35+	↓	10.1	6.6 - 13.6	200	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	18.7	14.2 - 23.3	400	16.5	15.2 - 17.7	79,900
Unmarried	↑	50.8	45.0 - 56.6	1,200	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	62.9	57.4 - 68.5	1,500	49.2	47.7 - 50.7	236,500
Black	↓	4.4	3.6 - 5.2	100	5.7	5.3 - 6.1	27,400
White	♦	27.9	22.6 - 33.2	600	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	3.6 *	0.9 - 6.3	100	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	24.4	19.3 - 29.5	600	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	19.8	15.1 - 24.6	500	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↑	56.9	50.8 - 62.9	1,200	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	54.6	48.7 - 60.6	1,200	41.0	39.5 - 42.4	188,800
101-200%	↑	27.7	22.2 - 33.1	600	20.8	19.4 - 22.2	96,000
> 200%	↓	17.7	13.2 - 22.2	400	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Kings County was 321. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Los Angeles County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Los Angeles County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	92.1	89.3 - 94.8	117,100	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	1.8 *	0.5 - 3.1	2,200	2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.3	1.0 - 3.7	2,900	2.5	2.0 - 2.9	11,900
Asthma†	✓	5.2	3.2 - 7.2	6,400	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	29.6	25.3 - 33.9	37,600	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	24.3	20.1 - 28.6	29,200	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	19.9	15.9 - 23.9	23,900	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	19.6	15.4 - 23.9	21,000	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	37.8	32.7 - 42.9	40,400	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	17.0	13.4 - 20.6	21,200	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	6.5	4.2 - 8.8	8,300	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	14.2	10.8 - 17.5	17,900	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	13.1	9.9 - 16.4	16,600	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	22.4	18.5 - 26.4	28,200	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	2.6	1.2 - 4.0	3,300	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	6.4	4.0 - 8.7	8,100	6.9	6.0 - 7.7	33,600
Woman or partner lost job	✗	17.7	14.0 - 21.3	22,300	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	10.7	7.7 - 13.6	13,500	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	9.0	6.3 - 11.7	11,400	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	5.9	3.6 - 8.2	7,400	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	12.4	9.2 - 15.6	15,700	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	2.9 *	1.2 - 4.7	3,700	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	4.7	2.5 - 6.8	5,900	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	13.9	10.5 - 17.2	17,600	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	7.1	4.7 - 9.6	9,100	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✗	35.4	30.8 - 39.9	44,600	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	11.3	8.3 - 14.3	14,200	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	80.7	76.9 - 84.5	99,700	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✗	76.3	72.1 - 80.4	95,000	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	31.0	26.5 - 35.4	38,300	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	92.7	90.2 - 95.3	114,300	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	62.2	57.5 - 66.9	76,700	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	81.7	77.9 - 85.5	101,100	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✗	35.4	30.7 - 40.1	43,300	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✗	61.9	56.4 - 67.4	60,900	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✗	20.8	16.5 - 25.2	20,400	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Los Angeles County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Los Angeles County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	67.6	63.1 - 72.1	85,700	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↑	92.6	90.1 - 95.0	116,500	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	85.9	82.6 - 89.3	109,100	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	13.2	9.8 - 16.5	16,000	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	60.8	57.5 - 64.1	74,800	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	♦	24.1	20.2 - 28.1	30,200	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	♦	25.2	21.2 - 29.1	32,000	24.5	23.1 - 25.8	119,600
Uninsured	↑	27.8	23.6 - 31.9	35,300	24.0	22.6 - 25.4	117,500
Private	♦	44.7	41.0 - 48.4	56,800	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	52.9	49.2 - 56.6	67,100	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.4 *	0.3 - 2.6	1,800	1.6	1.2 - 2.0	7,900
Private	♦	42.9	39.3 - 46.5	54,400	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	♦	38.9	34.8 - 43.1	49,100	36.2	34.7 - 37.6	175,700
Uninsured	♦	17.0	13.3 - 20.6	21,400	15.0	13.8 - 16.2	72,800
Private	♦	42.9	39.2 - 46.5	54,000	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	55.8	52.1 - 59.6	69,600	52.2	50.9 - 53.6	250,400
Uninsured	♦	3.5	1.6 - 5.4	4,400	2.9	2.2 - 3.5	13,700
Private	♦	38.7	35.1 - 42.2	48,200	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	5.7	3.4 - 7.9	7,200	5.6	4.9 - 6.4	27,500
20-34	♦	72.2	67.9 - 76.5	91,800	74.5	73.0 - 76.0	365,300
35+	♦	22.1	18.3 - 26.0	28,200	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↑	20.8	17.0 - 24.5	26,200	16.5	15.2 - 17.7	79,900
Unmarried	↑	44.6	40.1 - 49.0	56,200	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	57.0	52.9 - 61.2	71,700	49.2	47.7 - 50.7	236,500
Black	↑	7.5	6.4 - 8.6	9,400	5.7	5.3 - 6.1	27,400
White	↓	18.5	15.1 - 22.0	23,300	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	♦	16.7	12.9 - 20.5	21,000	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↑	44.8	40.0 - 49.6	57,000	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↑	35.7	31.0 - 40.4	44,300	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↑	47.8	43.3 - 52.3	58,700	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	45.0	40.9 - 49.2	53,200	41.0	39.5 - 42.4	188,800
101-200%	♦	22.1	18.0 - 26.2	26,100	20.8	19.4 - 22.2	96,000
> 200%	↓	32.9	29.4 - 36.4	38,900	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Los Angeles County was 563. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the region was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Madera County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Madera County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	✗	87.1	83.7 - 90.4	2,000	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	3.2 *	1.0 - 5.4	100	2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.4 *	0.6 - 4.2	100	2.5	2.0 - 2.9	11,900
Asthma†	♦	9.3	6.6 - 12.1	200	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✗	25.2	20.3 - 30.1	600	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	27.4	22.5 - 32.4	500	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✗	25.7	20.7 - 30.7	500	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	21.5	16.2 - 26.9	400	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	42.9	36.8 - 49.0	700	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	✗	29.7	24.6 - 34.8	700	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	9.7	6.1 - 13.3	200	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	14.7	11.2 - 18.2	300	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	16.5	12.3 - 20.7	400	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✗	33.6	28.4 - 38.8	700	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	2.7	1.1 - 4.3	100	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	7.5	4.8 - 10.2	200	6.9	6.0 - 7.7	33,600
Woman or partner lost job	✗	23.1	18.6 - 27.6	500	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	12.8	8.9 - 16.6	300	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	7.3	4.4 - 10.2	200	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	5.8	3.6 - 7.9	100	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	9.5	6.6 - 12.3	200	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	2.0 *	0.4 - 3.6	< 100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	3.9	2.0 - 5.8	100	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	10.8	7.2 - 14.4	200	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✓	2.0 *	0.5 - 3.5	< 100	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✗	39.4	34.1 - 44.7	900	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	14.1	10.5 - 17.8	300	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	✓	86.5	82.8 - 90.1	1,900	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	78.6	74.2 - 83.0	1,800	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	51.3	45.9 - 56.8	1,200	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	94.5	92.4 - 96.7	2,100	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	68.6	63.7 - 73.4	1,500	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	81.7	77.4 - 85.9	1,800	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	♦	45.0	39.5 - 50.6	1,000	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	♦	64.8	58.4 - 71.2	1,000	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	♦	26.8	21.0 - 32.6	400	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Madera County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Madera County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	68.1	63.1 - 73.1	1,600	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↓	83.0	78.8 - 87.2	1,800	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↓	79.4	75.2 - 83.7	1,800	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	↑	17.0	13.0 - 20.9	400	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	76.7	71.9 - 81.6	1,700	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	42.5	37.2 - 47.8	1,000	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	44.3	39.0 - 49.6	1,000	24.5	23.1 - 25.8	119,600
Uninsured	♦	27.8	23.0 - 32.7	600	24.0	22.6 - 25.4	117,500
Private	↓	26.6	21.4 - 31.7	600	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	74.5	69.4 - 79.5	1,700	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.3 *	0.3 - 2.3	< 100	1.6	1.2 - 2.0	7,900
Private	↓	22.5	17.6 - 27.4	500	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	61.3	55.9 - 66.8	1,400	36.2	34.7 - 37.6	175,700
Uninsured	♦	14.9	11.0 - 18.9	300	15.0	13.8 - 16.2	72,800
Private	↓	23.1	18.1 - 28.1	500	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	76.6	71.7 - 81.6	1,700	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.3 *	0.9 - 3.8	100	2.9	2.2 - 3.5	13,700
Private	↓	19.3	14.6 - 24.1	400	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	↑	9.9	6.5 - 13.3	200	5.6	4.9 - 6.4	27,500
20-34	♦	77.3	72.7 - 81.9	1,800	74.5	73.0 - 76.0	365,300
35+	↓	12.8	9.1 - 16.5	300	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↑	29.5	24.7 - 34.2	700	16.5	15.2 - 17.7	79,900
Unmarried	↑	49.6	44.2 - 55.0	1,100	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	72.9	67.9 - 77.9	1,700	49.2	47.7 - 50.7	236,500
Black	↓	1.7	1.5 - 2.0	< 100	5.7	5.3 - 6.1	27,400
White	↓	23.0	18.1 - 27.9	500	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	1.6 *	0.3 - 3.0	< 100	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	♦	37.6	32.6 - 42.7	900	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	32.1	27.3 - 37.0	700	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↑	64.3	58.7 - 69.8	1,400	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	64.9	59.5 - 70.4	1,400	41.0	39.5 - 42.4	188,800
101-200%	♦	21.4	16.9 - 25.9	500	20.8	19.4 - 22.2	96,000
> 200%	↓	13.7	9.3 - 18.1	300	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Madera County was 380. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Marin County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Marin County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	✓	97.4	96.1 - 98.8	2,200	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.3 *	0.9 - 3.8	100	2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.8 *	0.6 - 5.0	100	2.5	2.0 - 2.9	11,900
Asthma†	♦	6.0	3.2 - 8.9	100	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✓	46.8	41.6 - 51.9	1,100	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	✓	19.2	15.2 - 23.2	400	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✓	9.1	6.1 - 12.1	200	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	15.7	11.4 - 20.0	300	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	✓	34.4	29.2 - 39.6	700	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	✓	11.1	7.9 - 14.3	300	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	✓	4.5	2.5 - 6.4	100	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	✓	9.7	6.7 - 12.6	200	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	✓	9.0	6.2 - 11.8	200	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✓	20.4	16.4 - 24.4	500	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	2.2 *	0.6 - 3.8	100	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	✓	4.0	2.0 - 6.0	100	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	11.5	8.2 - 14.8	300	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	11.6	8.3 - 14.8	300	11.8	10.7 - 12.8	57,100
Became separated or divorced	✓	3.5	1.5 - 5.5	100	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	4.7	2.7 - 6.7	100	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✓	5.1	2.8 - 7.5	100	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†		--			2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✓	2.2 *	0.8 - 3.7	100	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	15.7	11.9 - 19.4	400	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✗	22.4	18.1 - 26.8	500	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✓	17.5	13.5 - 21.5	400	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	✓	8.9	6.1 - 11.6	200	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	83.3	79.2 - 87.4	1,900	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✓	86.5	82.9 - 90.0	2,000	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	32.3	27.3 - 37.3	700	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	✓	97.8 *	96.2 - 99.4	2,200	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	80.8	76.6 - 85.0	1,800	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	97.0	95.3 - 98.7	2,200	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	65.0	60.0 - 69.9	1,400	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	92.3	89.2 - 95.4	1,600	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	51.6	45.6 - 57.6	900	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Marin County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Marin County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↑	80.8	76.9 - 84.7	1,900	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↑	93.9	91.4 - 96.4	2,100	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↑	94.1	91.5 - 96.6	2,200	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	↓	7.2	4.7 - 9.6	200	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	30.1	25.3 - 34.9	700	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	10.5	7.2 - 13.8	200	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	17.6	13.5 - 21.7	400	24.5	23.1 - 25.8	119,600
Uninsured	↓	13.0	9.9 - 16.1	300	24.0	22.6 - 25.4	117,500
Private	↑	67.3	62.4 - 72.1	1,500	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↓	32.4	27.6 - 37.2	700	49.7	48.4 - 51.0	242,800
Uninsured	♦	--	--	--	1.6	1.2 - 2.0	7,900
Private	↑	64.6	59.7 - 69.5	1,500	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	22.1	17.8 - 26.4	500	36.2	34.7 - 37.6	175,700
Uninsured	↓	9.5	6.7 - 12.2	200	15.0	13.8 - 16.2	72,800
Private	↑	67.4	62.6 - 72.2	1,500	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↓	32.8	28.1 - 37.5	700	52.2	50.9 - 53.6	250,400
Uninsured	♦	1.4 *	0.3 - 2.5	< 100	2.9	2.2 - 3.5	13,700
Private	↑	64.6	59.8 - 69.4	1,500	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	↓	1.9 *	0.4 - 3.4	< 100	5.6	4.9 - 6.4	27,500
20-34	↓	57.7	52.6 - 62.8	1,300	74.5	73.0 - 76.0	365,300
35+	↑	40.5	35.5 - 45.5	900	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	14.0	10.7 - 17.4	300	16.5	15.2 - 17.7	79,900
Unmarried	↓	22.9	18.7 - 27.2	500	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	28.3	23.7 - 32.9	600	49.2	47.7 - 50.7	236,500
Black	↓	1.8	0.9 - 2.6	< 100	5.7	5.3 - 6.1	27,400
White	↑	60.3	55.2 - 65.4	1,300	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	9.3	5.9 - 12.8	200	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	♦	37.6	32.6 - 42.7	900	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	28.0	23.4 - 32.6	600	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	10.2	6.8 - 13.6	200	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	24.2	19.6 - 28.9	500	41.0	39.5 - 42.4	188,800
101-200%	↓	10.7	7.5 - 14.0	200	20.8	19.4 - 22.2	96,000
> 200%	↑	65.1	59.9 - 70.2	1,400	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Marin County was 406. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Merced County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Merced County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	✗	86.1	82.3 - 89.8	3,500	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	3.3 *	1.3 - 5.3	100	2.3	1.8 - 2.8	10,900
Hypertension†	♦	3.0 *	1.1 - 4.9	100	2.5	2.0 - 2.9	11,900
Asthma†	♦	9.8	6.7 - 12.9	400	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	30.4	25.3 - 35.6	1,200	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	28.4	23.3 - 33.4	1,100	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✗	27.7	22.7 - 32.7	1,100	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	13.9	9.9 - 17.9	500	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	44.7	38.8 - 50.6	1,500	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	19.0	14.9 - 23.1	800	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	9.7	6.5 - 12.9	400	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	17.5	13.4 - 21.6	700	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	✗	18.7	14.4 - 22.9	800	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✗	31.3	26.2 - 36.4	1,300	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.0	1.3 - 4.6	100	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	7.4	4.6 - 10.1	300	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	13.0	9.4 - 16.6	500	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	12.9	9.2 - 16.7	500	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	9.2	6.2 - 12.2	400	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.9	2.1 - 5.8	200	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	14.5	10.7 - 18.3	600	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	4.5	2.2 - 6.9	200	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	7.4	4.6 - 10.3	300	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	16.6	12.5 - 20.6	700	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✓	3.4 *	1.4 - 5.5	100	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	34.9	29.8 - 40.0	1,400	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	14.1	10.4 - 17.7	600	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	80.3	75.9 - 84.6	3,200	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✗	73.7	69.0 - 78.5	3,000	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	41.4	36.1 - 46.8	1,700	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	91.3	88.4 - 94.2	3,700	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	59.0	53.7 - 64.3	2,400	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✗	77.9	73.5 - 82.3	3,100	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✗	34.4	29.1 - 39.6	1,400	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✗	60.0	54.0 - 65.9	1,800	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✗	19.6	14.5 - 24.7	600	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Merced County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Merced County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	71.4	66.5 - 76.3	2,900	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↓	83.1	79.2 - 87.1	3,300	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	86.6	82.9 - 90.2	3,500	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	12.2	8.7 - 15.8	500	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	77.2	72.6 - 81.9	3,100	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	41.9	36.6 - 47.3	1,700	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	40.4	35.1 - 45.7	1,700	24.5	23.1 - 25.8	119,600
Uninsured	↑	29.8	24.8 - 34.7	1,200	24.0	22.6 - 25.4	117,500
Private	↓	28.1	23.1 - 33.1	1,100	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	73.4	68.5 - 78.3	3,000	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.6 *	0.3 - 2.9	100	1.6	1.2 - 2.0	7,900
Private	↓	23.1	18.4 - 27.9	900	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	56.5	51.1 - 61.9	2,300	36.2	34.7 - 37.6	175,700
Uninsured	♦	16.0	12.0 - 20.0	600	15.0	13.8 - 16.2	72,800
Private	↓	26.6	21.7 - 31.6	1,100	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	71.5	66.5 - 76.5	2,900	52.2	50.9 - 53.6	250,400
Uninsured	♦	4.5	2.1 - 6.9	200	2.9	2.2 - 3.5	13,700
Private	↓	22.6	17.9 - 27.3	900	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	↑	9.1	5.9 - 12.4	400	5.6	4.9 - 6.4	27,500
20-34	♦	78.2	73.6 - 82.7	3,200	74.5	73.0 - 76.0	365,300
35+	↓	12.7	9.0 - 16.4	500	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↑	23.4	18.8 - 28.0	900	16.5	15.2 - 17.7	79,900
Unmarried	↑	51.4	45.9 - 56.8	2,100	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	68.3	63.2 - 73.4	2,800	49.2	47.7 - 50.7	236,500
Black	↓	2.9	2.4 - 3.3	100	5.7	5.3 - 6.1	27,400
White	↓	21.1	16.3 - 25.8	900	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	7.8	5.0 - 10.6	300	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	♦	34.9	29.8 - 40.0	1,400	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	31.1	26.2 - 36.0	1,300	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↑	70.6	65.5 - 75.7	2,600	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	60.0	54.4 - 65.6	2,200	41.0	39.5 - 42.4	188,800
101-200%	♦	22.6	17.8 - 27.4	800	20.8	19.4 - 22.2	96,000
> 200%	↓	17.5	13.0 - 21.9	600	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Merced County was 392. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Monterey County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Monterey County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	✗	89.4	86.1 - 92.7	5,700	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	✗	5.7	2.6 - 8.9	400	2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.1 *	0.6 - 3.6	100	2.5	2.0 - 2.9	11,900
Asthma†	♦	6.3	2.8 - 9.8	400	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✗	25.3	20.7 - 29.9	1,600	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	30.1	24.4 - 35.8	1,600	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✗	26.1	20.8 - 31.4	1,400	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	16.0	11.6 - 20.3	800	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	46.3	39.7 - 52.8	2,200	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	✗	22.0	17.6 - 26.4	1,400	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	7.4	4.6 - 10.1	500	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	16.8	12.7 - 20.9	1,100	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	14.8	11.0 - 18.7	900	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	23.7	18.9 - 28.4	1,500	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.0	1.4 - 4.7	200	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	6.4	3.7 - 9.1	400	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	17.5	13.1 - 21.8	1,100	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	11.6	8.2 - 15.1	700	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	9.2	6.1 - 12.2	600	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	5.1	2.7 - 7.5	300	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✓	7.0	4.2 - 9.8	400	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	1.5 *	0.2 - 2.8	100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✓	2.0 *	0.5 - 3.5	100	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	12.6	8.7 - 16.5	800	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	6.0	2.9 - 9.0	400	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	32.0	26.6 - 37.4	2,000	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	12.3	8.7 - 15.9	800	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	85.8	81.7 - 89.8	5,300	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	80.9	76.6 - 85.1	5,100	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	45.6	40.0 - 51.1	2,900	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	94.3	91.5 - 97.1	5,900	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	62.0	56.7 - 67.3	3,900	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	84.9	80.8 - 89.1	5,300	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	♦	48.3	42.5 - 54.0	2,900	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	♦	65.3	59.0 - 71.7	3,100	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	♦	29.5	23.5 - 35.5	1,300	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Monterey County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Monterey County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↓	63.5	58.1 - 68.9	4,000	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	87.6	84.1 - 91.2	5,400	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	88.7	85.1 - 92.4	5,600	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	16.1	11.8 - 20.3	1,000	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	64.3	58.7 - 69.9	4,100	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	♦	27.0	22.0 - 31.9	1,700	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	♦	26.3	21.5 - 31.1	1,700	24.5	23.1 - 25.8	119,600
Uninsured	↑	32.7	27.6 - 37.9	2,100	24.0	22.6 - 25.4	117,500
Private	↓	30.9	25.6 - 36.1	2,000	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	60.8	55.2 - 66.4	3,900	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↓	23.8	18.8 - 28.7	1,500	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	♦	37.8	32.5 - 43.2	2,400	36.2	34.7 - 37.6	175,700
Uninsured	↑	25.3	20.4 - 30.1	1,600	15.0	13.8 - 16.2	72,800
Private	↓	27.5	22.3 - 32.6	1,700	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	62.8	57.2 - 68.4	4,000	52.2	50.9 - 53.6	250,400
Uninsured		--			2.9	2.2 - 3.5	13,700
Private	↓	21.9	17.0 - 26.8	1,400	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	7.9	4.2 - 11.5	500	5.6	4.9 - 6.4	27,500
20-34	♦	76.2	71.3 - 81.2	4,900	74.5	73.0 - 76.0	365,300
35+	♦	15.9	12.0 - 19.8	1,000	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↑	31.1	26.1 - 36.1	2,000	16.5	15.2 - 17.7	79,900
Unmarried	↑	48.2	42.6 - 53.8	3,000	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	76.5	71.7 - 81.3	4,900	49.2	47.7 - 50.7	236,500
Black	↓	1.1	0.8 - 1.3	100	5.7	5.3 - 6.1	27,400
White	↓	18.6	14.2 - 23.0	1,200	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	3.5 *	1.0 - 6.0	200	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↑	50.3	44.8 - 55.9	3,200	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↑	47.0	41.5 - 52.5	3,000	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	♦	44.5	38.8 - 50.1	2,700	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	50.1	44.3 - 56.0	3,000	41.0	39.5 - 42.4	188,800
101-200%	♦	21.4	16.4 - 26.5	1,300	20.8	19.4 - 22.2	96,000
> 200%	↓	28.4	23.1 - 33.7	1,700	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Monterey County was 391. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Napa County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Napa County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	93.7	91.2 - 96.1	1,300	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.0 *	0.6 - 3.4	< 100	2.3	1.8 - 2.8	10,900
Hypertension†	♦	3.5	1.5 - 5.4	< 100	2.5	2.0 - 2.9	11,900
Asthma†	✗	12.8	9.1 - 16.5	200	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✓	41.0	35.8 - 46.3	600	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	24.2	19.4 - 28.9	300	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	23.1	18.7 - 27.5	300	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	19.7	14.7 - 24.8	200	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	44.3	38.4 - 50.2	500	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	15.1	11.2 - 19.0	200	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	✓	2.8 *	1.1 - 4.5	< 100	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	12.0	8.8 - 15.1	200	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	12.1	8.7 - 15.5	200	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	24.6	20.0 - 29.2	300	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	1.6 *	0.3 - 2.8	< 100	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	✓	2.3 *	0.6 - 4.1	< 100	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	11.7	8.3 - 15.1	200	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	11.8	8.4 - 15.2	200	11.8	10.7 - 12.8	57,100
Became separated or divorced	✓	4.2	2.2 - 6.2	100	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.5	1.8 - 5.2	< 100	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	11.8	8.2 - 15.4	200	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	2.7 *	0.9 - 4.5	< 100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	4.6	2.1 - 7.1	100	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	11.4	8.3 - 14.6	200	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✗	11.2	8.3 - 14.1	200	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✓	25.0	20.2 - 29.7	400	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	11.4	7.9 - 14.9	200	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	84.9	81.0 - 88.7	1,200	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✓	88.4	84.8 - 91.9	1,300	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	32.9	28.0 - 37.9	500	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	✓	96.6 *	94.4 - 98.7	1,400	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	77.1	72.6 - 81.6	1,100	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	85.6	81.6 - 89.6	1,200	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	55.3	49.8 - 60.7	800	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	74.9	69.1 - 80.7	800	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	43.5	37.1 - 49.8	400	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Napa County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Napa County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↑	75.8	71.3 - 80.2	1,100	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↑	93.1	90.5 - 95.8	1,300	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↑	91.8	89.2 - 94.4	1,300	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	10.7	7.6 - 13.7	200	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	48.4	43.0 - 53.9	700	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	11.6	8.2 - 14.9	200	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	17.2	13.0 - 21.4	200	24.5	23.1 - 25.8	119,600
Uninsured	♦	27.7	22.9 - 32.5	400	24.0	22.6 - 25.4	117,500
Private	↑	53.3	47.9 - 58.6	800	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↓	43.3	38.1 - 48.6	600	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.4 *	0.4 - 2.4	< 100	1.6	1.2 - 2.0	7,900
Private	↑	50.7	45.4 - 56.1	700	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	23.0	18.4 - 27.5	300	36.2	34.7 - 37.6	175,700
Uninsured	↑	20.7	16.3 - 25.1	300	15.0	13.8 - 16.2	72,800
Private	↑	53.8	48.5 - 59.2	800	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	♦	48.4	43.1 - 53.7	700	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.6 *	0.9 - 4.2	< 100	2.9	2.2 - 3.5	13,700
Private	↑	47.1	41.8 - 52.4	700	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	3.9 *	1.5 - 6.3	100	5.6	4.9 - 6.4	27,500
20-34	♦	73.9	69.3 - 78.6	1,100	74.5	73.0 - 76.0	365,300
35+	♦	22.2	17.9 - 26.5	300	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	13.2	9.8 - 16.5	200	16.5	15.2 - 17.7	79,900
Unmarried	↓	31.2	26.2 - 36.3	400	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	♦	51.3	45.9 - 56.7	700	49.2	47.7 - 50.7	236,500
Black	--	--	--	--	5.7	5.3 - 6.1	27,400
White	↑	40.2	35.0 - 45.3	600	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	7.5	3.7 - 11.3	100	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	♦	39.7	34.5 - 44.9	600	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	33.9	28.7 - 39.1	500	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	6.8	4.0 - 9.5	100	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	26.3	21.5 - 31.1	400	41.0	39.5 - 42.4	188,800
101-200%	↑	31.2	26.1 - 36.3	400	20.8	19.4 - 22.2	96,000
> 200%	♦	42.5	37.1 - 47.9	600	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Napa County was 376. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Orange County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Orange County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	93.8	91.1 - 96.5	35,000	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	1.6 *	0.2 - 3.0	600	2.3	1.8 - 2.8	10,900
Hypertension†	♦	1.7 *	0.2 - 3.1	600	2.5	2.0 - 2.9	11,900
Asthma†	♦	8.1	4.6 - 11.5	3,000	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	33.6	26.9 - 40.3	12,500	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	21.5	16.1 - 27.0	7,700	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	15.1	10.3 - 20.0	5,500	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	17.5	11.7 - 23.2	5,600	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	40.0	32.5 - 47.5	12,900	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	✓	11.5	7.8 - 15.2	4,200	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	5.5	2.8 - 8.2	2,000	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	12.8	8.5 - 17.1	4,800	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	✓	8.4	5.2 - 11.7	3,100	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	25.0	19.2 - 30.9	9,200	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	✓	0.9 *	0.1 - 1.8	300	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	8.4	4.6 - 12.3	3,100	6.9	6.0 - 7.7	33,600
Woman or partner lost job	✓	10.3	6.9 - 13.7	3,800	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	14.2	9.2 - 19.2	5,200	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	5.1	2.6 - 7.6	1,900	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	4.0	1.9 - 6.1	1,500	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✓	6.1	3.0 - 9.2	2,300	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†		--			2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✓	2.5 *	0.4 - 4.6	900	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	13.9	9.3 - 18.5	5,100	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	6.6	2.9 - 10.3	2,400	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	27.2	21.8 - 32.7	10,100	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	12.2	7.5 - 17.0	4,600	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	77.8	71.9 - 83.7	28,300	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✓	85.4	80.7 - 90.0	31,500	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	31.8	24.9 - 38.8	11,700	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	92.1	87.8 - 96.3	33,900	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	58.6	51.6 - 65.6	21,500	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	85.7	81.1 - 90.2	30,800	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	♦	39.3	32.2 - 46.4	14,000	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	73.4	66.9 - 79.9	18,800	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	♦	26.1	18.5 - 33.7	6,700	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Orange County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Orange County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	70.9	65.4 - 76.4	26,300	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	92.5	89.0 - 96.0	34,300	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	89.3	85.4 - 93.3	32,800	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	↓	7.7	4.9 - 10.5	2,800	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	42.9	38.3 - 47.5	15,500	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	14.0	10.4 - 17.5	5,200	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	14.5	11.0 - 18.1	5,400	24.5	23.1 - 25.8	119,600
Uninsured	♦	22.3	17.9 - 26.6	8,300	24.0	22.6 - 25.4	117,500
Private	↑	58.2	53.4 - 63.0	21,700	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↓	38.7	34.6 - 42.7	14,300	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↑	56.9	52.3 - 61.5	21,100	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	21.0	16.9 - 25.1	7,700	36.2	34.7 - 37.6	175,700
Uninsured	♦	17.5	13.5 - 21.6	6,400	15.0	13.8 - 16.2	72,800
Private	↑	57.7	53.0 - 62.4	21,200	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↓	40.4	36.1 - 44.7	14,700	52.2	50.9 - 53.6	250,400
Uninsured		--			2.9	2.2 - 3.5	13,700
Private	↑	54.9	50.4 - 59.5	20,000	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	4.4	2.4 - 6.5	1,700	5.6	4.9 - 6.4	27,500
20-34	♦	72.2	65.5 - 78.9	26,900	74.5	73.0 - 76.0	365,300
35+	♦	23.4	16.8 - 29.9	8,700	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↓	11.4	8.2 - 14.7	4,200	16.5	15.2 - 17.7	79,900
Unmarried	↓	28.3	23.2 - 33.4	10,500	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	♦	45.4	39.4 - 51.4	16,700	49.2	47.7 - 50.7	236,500
Black	↓	1.3	1.0 - 1.7	500	5.7	5.3 - 6.1	27,400
White	♦	30.9	24.7 - 37.2	11,400	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↑	22.3	15.4 - 29.2	8,200	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↑	45.7	38.7 - 52.6	17,000	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	32.5	26.3 - 38.8	11,800	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	25.5	20.0 - 31.0	8,800	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	29.2	24.7 - 33.8	10,000	41.0	39.5 - 42.4	188,800
101-200%	♦	18.5	13.2 - 23.7	6,400	20.8	19.4 - 22.2	96,000
> 200%	↑	52.3	46.8 - 57.8	18,000	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Orange County was 369. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the region was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Placer County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Placer County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	94.8	92.2 - 97.3	3,400	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†		--			2.3	1.8 - 2.8	10,900
Hypertension†		--			2.5	2.0 - 2.9	11,900
Asthma†	♦	9.7	5.9 - 13.5	300	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✓	39.6	34.2 - 45.1	1,400	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	23.4	18.4 - 28.4	800	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✓	14.3	10.1 - 18.5	500	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	12.9	8.7 - 17.1	400	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	✗	47.9	41.9 - 53.9	1,600	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	✓	7.8	4.9 - 10.6	300	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	✓	3.0 *	0.9 - 5.1	100	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	11.7	7.9 - 15.5	400	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	12.6	8.9 - 16.3	400	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	25.8	20.7 - 30.9	900	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	1.6 *	0.3 - 2.9	100	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	7.2	4.3 - 10.0	300	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	11.3	7.4 - 15.3	400	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	9.9	6.9 - 12.9	400	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	5.4	2.6 - 8.3	200	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	✓	1.2 *	0.2 - 2.2	< 100	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	14.0	9.9 - 18.2	500	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	3.0 *	1.0 - 4.9	100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	6.1	3.3 - 8.9	200	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	17.4	13.3 - 21.6	600	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✗	11.2	7.9 - 14.4	400	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✓	24.7	19.5 - 29.9	900	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	12.4	8.4 - 16.4	400	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	84.6	80.5 - 88.8	3,000	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	83.7	79.5 - 87.9	3,000	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✓	24.4	19.4 - 29.4	900	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	92.3	88.8 - 95.8	3,300	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	73.8	68.5 - 79.0	2,600	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	86.2	81.9 - 90.6	3,000	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	49.2	43.4 - 55.1	1,700	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	77.4	71.6 - 83.1	1,900	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	38.1	31.7 - 44.5	900	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Placer County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Placer County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	75.7	70.5 - 80.8	2,700	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	91.0	87.7 - 94.4	3,200	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	90.3	86.8 - 93.9	3,200	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	9.5	6.0 - 13.0	300	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	25.3	20.1 - 30.5	900	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	13.7	9.5 - 17.9	500	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	9.6	6.4 - 12.8	300	24.5	23.1 - 25.8	119,600
Uninsured	↓	16.4	11.8 - 21.0	600	24.0	22.6 - 25.4	117,500
Private	↑	70.3	65.0 - 75.7	2,500	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↓	27.5	22.2 - 32.8	1,000	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↑	67.6	62.1 - 73.1	2,400	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	19.4	14.6 - 24.2	700	36.2	34.7 - 37.6	175,700
Uninsured	↓	8.2	5.2 - 11.2	300	15.0	13.8 - 16.2	72,800
Private	↑	70.1	64.7 - 75.5	2,500	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↓	31.2	25.7 - 36.6	1,100	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.4 *	0.5 - 4.3	100	2.9	2.2 - 3.5	13,700
Private	↑	63.8	58.2 - 69.3	2,200	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	↓	2.4 *	0.6 - 4.3	100	5.6	4.9 - 6.4	27,500
20-34	♦	76.3	71.5 - 81.0	2,700	74.5	73.0 - 76.0	365,300
35+	♦	21.3	16.7 - 25.8	800	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↓	8.5	5.1 - 11.8	300	16.5	15.2 - 17.7	79,900
Unmarried	↓	28.5	23.0 - 34.0	1,000	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	17.9	13.4 - 22.5	600	49.2	47.7 - 50.7	236,500
Black		--			5.7	5.3 - 6.1	27,400
White	↑	71.3	65.7 - 76.8	2,500	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	8.5	4.6 - 12.4	300	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	17.5	12.9 - 22.2	600	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	11.5	7.7 - 15.2	400	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	4.6	2.3 - 6.8	200	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	21.6	16.6 - 26.6	700	41.0	39.5 - 42.4	188,800
101-200%	♦	16.1	11.6 - 20.6	500	20.8	19.4 - 22.2	96,000
> 200%	↑	62.3	56.4 - 68.2	2,100	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Placer County was 365. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Riverside County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Riverside County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	92.5	89.2 - 95.8	27,400	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.8 *	0.7 - 5.0	800	2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.8	1.2 - 4.5	800	2.5	2.0 - 2.9	11,900
Asthma†	♦	8.7	5.4 - 12.1	2,600	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	29.3	23.5 - 35.1	8,700	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	24.8	19.2 - 30.4	7,100	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	25.0	19.3 - 30.7	7,100	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	18.8	13.4 - 24.2	4,700	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	41.3	34.6 - 48.0	10,300	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	✗	25.0	19.5 - 30.5	7,400	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	5.5	3.0 - 8.0	1,600	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	14.6	10.3 - 18.8	4,300	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	16.9	12.2 - 21.6	5,000	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	28.3	22.6 - 34.0	8,100	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	4.1	1.7 - 6.4	1,200	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	9.8	6.1 - 13.6	2,900	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	18.6	13.7 - 23.5	5,500	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	11.6	7.9 - 15.3	3,400	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	9.1	6.0 - 12.3	2,700	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.2 *	1.2 - 5.1	900	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	11.4	7.6 - 15.2	3,400	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	2.5 *	0.7 - 4.2	700	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	4.5	2.1 - 6.8	1,300	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	14.1	9.7 - 18.4	4,100	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✓	3.5	1.5 - 5.5	1,000	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	29.8	24.1 - 35.4	8,800	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	✗	17.4	12.5 - 22.4	5,100	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	81.3	76.3 - 86.2	23,600	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	80.4	75.5 - 85.3	23,000	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	35.5	29.5 - 41.6	10,200	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	93.5	90.6 - 96.3	27,100	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	62.2	56.0 - 68.4	18,000	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	81.1	76.2 - 86.0	23,100	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	♦	37.7	31.6 - 43.7	10,400	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	♦	60.6	53.2 - 68.0	12,800	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	♦	23.2	17.1 - 29.4	4,800	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Riverside County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Riverside County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	66.4	60.5 - 72.3	19,600	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↓	85.3	81.0 - 89.6	24,300	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↓	81.4	76.6 - 86.3	24,000	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	↑	19.2	14.1 - 24.3	5,500	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	60.1	55.7 - 64.5	17,500	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	♦	25.3	20.2 - 30.4	7,500	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	♦	21.2	16.1 - 26.2	6,300	24.5	23.1 - 25.8	119,600
Uninsured	↑	30.9	25.3 - 36.5	9,100	24.0	22.6 - 25.4	117,500
Private	↓	41.9	36.5 - 47.3	12,400	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	♦	53.2	48.2 - 58.2	15,700	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.7 *	0.2 - 3.3	500	1.6	1.2 - 2.0	7,900
Private	↓	38.8	33.8 - 43.9	11,500	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	♦	34.8	29.3 - 40.3	10,100	36.2	34.7 - 37.6	175,700
Uninsured	↑	19.9	14.6 - 25.2	5,800	15.0	13.8 - 16.2	72,800
Private	♦	40.8	35.5 - 46.1	11,900	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	♦	56.3	51.1 - 61.5	15,900	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.9 *	0.9 - 5.0	800	2.9	2.2 - 3.5	13,700
Private	↓	35.7	30.7 - 40.8	10,100	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	6.8	3.5 - 10.0	2,000	5.6	4.9 - 6.4	27,500
20-34	♦	78.4	73.0 - 83.8	23,200	74.5	73.0 - 76.0	365,300
35+	♦	14.8	10.1 - 19.6	4,400	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	16.7	11.7 - 21.7	4,800	16.5	15.2 - 17.7	79,900
Unmarried	♦	42.4	36.5 - 48.3	12,400	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	59.0	53.3 - 64.6	17,300	49.2	47.7 - 50.7	236,500
Black	♦	6.3	5.3 - 7.4	1,800	5.7	5.3 - 6.1	27,400
White	♦	28.1	22.9 - 33.3	8,200	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	6.2 *	2.4 - 9.9	1,800	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	28.4	22.2 - 34.5	8,400	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	18.5	13.6 - 23.4	5,400	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	♦	36.4	30.0 - 42.8	10,200	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	♦	44.8	39.0 - 50.5	12,800	41.0	39.5 - 42.4	188,800
101-200%	↑	26.2	20.6 - 31.9	7,500	20.8	19.4 - 22.2	96,000
> 200%	↓	29.0	24.3 - 33.7	8,300	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Riverside County was 413. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Sacramento County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Sacramento County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	92.3	89.6 - 95.0	17,800	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.3 *	0.9 - 3.6	400	2.3	1.8 - 2.8	10,900
Hypertension†	✗	4.4	2.4 - 6.4	800	2.5	2.0 - 2.9	11,900
Asthma†	♦	10.1	6.9 - 13.2	1,900	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	32.5	27.3 - 37.7	6,300	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	26.5	21.5 - 31.5	5,000	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	23.0	18.3 - 27.7	4,400	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	14.8	10.7 - 19.0	2,500	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	44.4	38.5 - 50.3	7,500	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	14.8	11.0 - 18.6	2,800	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	8.1	5.4 - 10.9	1,500	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	12.5	9.0 - 16.0	2,400	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	11.7	8.4 - 15.0	2,200	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	26.7	21.9 - 31.4	5,000	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.4	1.6 - 5.3	700	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	8.1	5.1 - 11.1	1,600	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	12.1	8.5 - 15.7	2,300	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	12.1	8.9 - 15.4	2,300	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	7.9	5.2 - 10.6	1,500	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.0	1.2 - 4.7	600	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	13.1	9.4 - 16.7	2,500	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	2.9	1.3 - 4.4	500	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✗	8.6	5.6 - 11.6	1,600	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	18.6	14.5 - 22.8	3,600	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	7.7	5.0 - 10.3	1,500	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	31.7	26.5 - 36.8	6,100	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	14.4	10.7 - 18.1	2,800	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	83.8	80.0 - 87.6	15,500	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	79.4	75.0 - 83.7	15,000	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	36.4	31.1 - 41.6	6,900	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	91.1	87.8 - 94.3	17,400	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	71.2	66.2 - 76.3	13,600	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	83.2	79.2 - 87.3	15,800	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	53.3	47.7 - 58.9	9,900	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	♦	66.4	60.5 - 72.3	9,400	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	♦	31.5	25.6 - 37.4	4,400	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Sacramento County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Sacramento County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	70.9	65.9 - 75.9	13,600	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	89.8	86.2 - 93.4	17,000	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	86.0	82.5 - 89.5	16,500	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	12.9	9.2 - 16.5	2,400	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	♦	56.4	52.3 - 60.5	10,600	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	33.3	28.5 - 38.0	6,300	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	29.8	25.4 - 34.2	5,700	24.5	23.1 - 25.8	119,600
Uninsured	♦	20.4	16.2 - 24.6	3,900	24.0	22.6 - 25.4	117,500
Private	♦	48.0	43.6 - 52.3	9,200	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	♦	51.0	46.6 - 55.3	9,800	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	♦	45.5	41.2 - 49.9	8,700	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	41.3	36.7 - 46.0	7,900	36.2	34.7 - 37.6	175,700
Uninsured	♦	12.1	8.6 - 15.7	2,300	15.0	13.8 - 16.2	72,800
Private	♦	44.8	40.4 - 49.1	8,600	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	♦	52.2	47.5 - 56.9	9,900	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.2 *	0.9 - 3.6	400	2.9	2.2 - 3.5	13,700
Private	♦	42.4	37.7 - 47.0	8,000	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	5.3	2.8 - 7.9	1,000	5.6	4.9 - 6.4	27,500
20-34	♦	78.4	73.8 - 82.9	15,100	74.5	73.0 - 76.0	365,300
35+	♦	16.3	12.4 - 20.3	3,200	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↓	11.3	7.8 - 14.9	2,100	16.5	15.2 - 17.7	79,900
Unmarried	♦	43.1	37.9 - 48.3	8,300	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	27.8	23.0 - 32.6	5,400	49.2	47.7 - 50.7	236,500
Black	↑	11.8	10.0 - 13.6	2,300	5.7	5.3 - 6.1	27,400
White	↑	41.3	36.2 - 46.4	8,000	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	♦	18.6	14.0 - 23.3	3,600	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	31.1	26.1 - 36.2	6,000	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	23.8	19.0 - 28.6	4,400	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	♦	42.7	37.4 - 47.9	8,000	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	♦	40.6	35.6 - 45.6	7,400	41.0	39.5 - 42.4	188,800
101-200%	♦	24.2	19.1 - 29.3	4,400	20.8	19.4 - 22.2	96,000
> 200%	♦	35.2	31.0 - 39.3	6,400	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Sacramento County was 441. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, San Bernardino County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		San Bernardino County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	90.4	86.3 - 94.5	27,400	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	1.7 *	0.3 - 3.1	500	2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.4 *	0.8 - 3.9	700	2.5	2.0 - 2.9	11,900
Asthma†	♦	9.1	5.9 - 12.3	2,700	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	27.7	22.1 - 33.4	8,300	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	28.7	22.5 - 34.9	8,500	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	22.7	17.2 - 28.2	6,700	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	15.3	10.3 - 20.3	3,900	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	✗	49.1	42.1 - 56.0	12,600	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	18.0	13.0 - 23.0	5,400	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	9.7	5.4 - 14.0	2,900	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	15.3	10.9 - 19.7	4,600	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	11.0	7.3 - 14.7	3,300	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	26.0	20.6 - 31.5	7,700	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	2.6 *	0.9 - 4.3	800	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	8.7	5.0 - 12.4	2,600	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	15.5	11.0 - 20.1	4,700	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	12.6	8.4 - 16.7	3,800	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	9.0	5.5 - 12.4	2,700	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	5.8	2.9 - 8.7	1,800	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	12.5	8.3 - 16.6	3,800	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	2.8 *	0.7 - 4.8	800	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	8.4	4.9 - 11.8	2,500	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	15.6	10.6 - 20.6	4,700	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	4.6 *	1.8 - 7.5	1,400	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✗	37.6	31.3 - 43.9	11,300	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	14.5	9.8 - 19.1	4,400	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	77.4	71.7 - 83.0	22,800	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	80.2	75.4 - 84.9	24,200	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	35.5	29.2 - 41.9	10,700	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	89.8	85.9 - 93.7	27,100	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	62.6	56.2 - 68.9	18,900	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	79.9	74.8 - 85.0	23,800	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✗	34.7	28.4 - 40.9	10,300	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	♦	60.0	53.1 - 67.0	14,100	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	♦	22.6	16.5 - 28.7	5,200	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, San Bernardino County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		San Bernardino County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	68.3	62.4 - 74.1	20,700	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	86.4	81.8 - 90.9	25,900	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	84.0	79.1 - 88.8	25,200	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	13.4	9.3 - 17.6	4,000	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	60.9	56.5 - 65.3	18,400	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	35.4	29.7 - 41.0	10,700	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	♦	27.9	22.5 - 33.3	8,400	24.5	23.1 - 25.8	119,600
Uninsured	♦	26.6	21.1 - 32.1	8,000	24.0	22.6 - 25.4	117,500
Private	↓	40.9	35.4 - 46.4	12,400	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	57.1	51.9 - 62.2	17,200	49.7	48.4 - 51.0	242,800
Uninsured	♦	2.7 *	0.2 - 5.2	800	1.6	1.2 - 2.0	7,900
Private	↓	35.8	30.7 - 40.8	10,800	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	45.6	39.8 - 51.4	13,800	36.2	34.7 - 37.6	175,700
Uninsured	♦	13.1	9.1 - 17.1	4,000	15.0	13.8 - 16.2	72,800
Private	↓	38.7	33.4 - 44.1	11,700	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	64.7	59.7 - 69.6	19,400	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.0 *	0.1 - 4.0	600	2.9	2.2 - 3.5	13,700
Private	↓	29.9	25.2 - 34.6	9,000	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	7.3	4.2 - 10.4	2,200	5.6	4.9 - 6.4	27,500
20-34	♦	78.6	73.8 - 83.5	23,800	74.5	73.0 - 76.0	365,300
35+	↓	14.1	10.1 - 18.0	4,300	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	15.8	11.1 - 20.5	4,800	16.5	15.2 - 17.7	79,900
Unmarried	↑	51.5	45.4 - 57.5	15,500	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	58.3	52.5 - 64.1	17,700	49.2	47.7 - 50.7	236,500
Black	↑	9.0	7.2 - 10.9	2,700	5.7	5.3 - 6.1	27,400
White	♦	24.9	19.6 - 30.3	7,500	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	7.5	3.4 - 11.6	2,300	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	26.1	20.1 - 32.2	7,900	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	17.6	13.0 - 22.2	5,300	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↑	49.6	43.2 - 56.1	14,500	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	50.4	44.5 - 56.2	14,600	41.0	39.5 - 42.4	188,800
101-200%	♦	20.7	15.4 - 25.9	6,000	20.8	19.4 - 22.2	96,000
> 200%	↓	28.9	24.0 - 33.9	8,400	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of San Bernardino County was 394. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, San Diego County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		San Diego County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	94.8	92.4 - 97.3	41,000	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	✗	4.6 *	1.4 - 7.7	1,900	2.3	1.8 - 2.8	10,900
Hypertension†	♦	3.1 *	1.0 - 5.2	1,300	2.5	2.0 - 2.9	11,900
Asthma†	♦	8.8	4.6 - 13.0	3,700	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✓	41.9	35.2 - 48.7	18,200	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	23.8	17.8 - 29.8	9,800	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	17.6	12.4 - 22.8	7,200	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	17.0	10.9 - 23.1	6,100	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	35.7	28.5 - 42.9	12,900	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	15.7	10.6 - 20.7	6,700	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	7.4	3.6 - 11.2	3,200	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	12.6	7.9 - 17.3	5,500	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	11.1	6.8 - 15.4	4,800	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	28.3	22.2 - 34.3	12,000	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	2.8 *	0.6 - 5.1	1,200	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	5.5	2.5 - 8.5	2,400	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	11.3	7.4 - 15.3	4,900	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	9.7	6.2 - 13.2	4,200	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	7.4	3.3 - 11.5	3,200	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	2.8 *	0.7 - 4.8	1,200	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	13.0	8.5 - 17.5	5,600	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	1.5 *	0.2 - 2.7	600	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	5.8	2.7 - 8.9	2,500	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	18.8	13.3 - 24.3	7,900	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✗	14.9	9.3 - 20.5	6,400	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	29.8	23.5 - 36.1	12,600	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	13.4	8.5 - 18.4	5,700	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	85.1	80.0 - 90.1	36,200	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	79.9	74.2 - 85.6	33,800	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	28.2	22.2 - 34.1	11,900	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	93.9	90.9 - 96.9	39,800	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	67.4	60.9 - 73.9	28,500	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	90.7	86.9 - 94.6	38,000	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	55.0	48.0 - 62.0	22,800	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	♦	72.3	65.0 - 79.6	22,900	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	34.4	26.6 - 42.1	10,800	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, San Diego County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		San Diego County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	75.3	69.7 - 80.9	32,500	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	90.3	86.6 - 93.9	38,900	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	90.2	85.7 - 94.6	39,000	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	12.4	7.6 - 17.2	5,200	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	44.4	39.0 - 49.8	18,900	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	18.4	13.4 - 23.4	7,900	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	17.1	12.5 - 21.7	7,400	24.5	23.1 - 25.8	119,600
Uninsured	♦	22.7	17.2 - 28.1	9,800	24.0	22.6 - 25.4	117,500
Private	♦	50.4	44.6 - 56.1	21,800	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↓	39.0	34.0 - 44.1	16,900	49.7	48.4 - 51.0	242,800
Uninsured	♦	2.4 *	0.3 - 4.6	1,100	1.6	1.2 - 2.0	7,900
Private	♦	46.6	40.9 - 52.4	20,100	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	25.7	20.5 - 30.9	11,000	36.2	34.7 - 37.6	175,700
Uninsured	♦	16.1	11.3 - 20.9	6,900	15.0	13.8 - 16.2	72,800
Private	♦	48.6	42.8 - 54.4	20,800	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↓	41.4	35.7 - 47.0	17,500	52.2	50.9 - 53.6	250,400
Uninsured	♦	4.8 *	1.9 - 7.8	2,000	2.9	2.2 - 3.5	13,700
Private	♦	43.5	37.7 - 49.4	18,400	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	4.0	1.7 - 6.3	1,700	5.6	4.9 - 6.4	27,500
20-34	♦	76.1	70.4 - 81.9	33,000	74.5	73.0 - 76.0	365,300
35+	♦	19.9	14.4 - 25.3	8,600	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	11.9	7.4 - 16.4	5,100	16.5	15.2 - 17.7	79,900
Unmarried	♦	37.1	31.1 - 43.2	16,000	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	♦	43.3	36.7 - 49.9	17,300	49.2	47.7 - 50.7	236,500
Black	♦	5.1	3.8 - 6.3	2,000	5.7	5.3 - 6.1	27,400
White	↑	38.7	31.8 - 45.6	15,500	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	♦	12.4	7.0 - 17.8	5,000	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	♦	32.7	26.2 - 39.2	14,200	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	26.1	20.0 - 32.2	11,300	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	30.9	24.8 - 37.0	12,700	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	34.0	28.2 - 39.9	14,000	41.0	39.5 - 42.4	188,800
101-200%	♦	20.2	14.9 - 25.5	8,300	20.8	19.4 - 22.2	96,000
> 200%	↑	45.8	40.0 - 51.6	18,900	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of San Diego County was 404. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the region was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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, San Francisco County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		San Francisco County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	✓	96.7	95.3 - 98.2	8,500	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	1.8 *	0.7 - 3.0	200	2.3	1.8 - 2.8	10,900
Hypertension†	✓	1.1 *	0.3 - 1.9	100	2.5	2.0 - 2.9	11,900
Asthma†	♦	6.2	3.6 - 8.7	500	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✓	43.1	36.9 - 49.2	3,800	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	✓	15.2	10.4 - 20.0	1,300	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✓	8.7	5.6 - 11.8	700	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	16.8	11.9 - 21.8	1,300	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	37.0	30.6 - 43.4	2,900	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	✓	8.4	5.9 - 11.0	700	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	6.0	3.6 - 8.4	500	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	16.5	11.9 - 21.1	1,400	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	13.2	8.9 - 17.5	1,200	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✓	16.8	12.6 - 21.1	1,400	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.0	1.4 - 4.5	300	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	✓	2.9	1.5 - 4.4	300	6.9	6.0 - 7.7	33,600
Woman or partner lost job	✓	10.1	6.4 - 13.8	900	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	✓	6.1	3.5 - 8.7	500	11.8	10.7 - 12.8	57,100
Became separated or divorced	✓	3.9	2.3 - 5.6	300	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	2.7 *	1.0 - 4.4	200	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✓	7.5	4.6 - 10.4	700	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✓	1.5	0.6 - 2.4	100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✓	3.0	1.5 - 4.4	300	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	18.1	13.2 - 23.0	1,600	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✗	27.5	21.6 - 33.3	2,400	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✓	19.2	14.7 - 23.7	1,700	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	11.3	7.3 - 15.3	1,000	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	✗	74.7	69.2 - 80.2	6,500	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✓	88.0	84.1 - 92.0	7,600	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	35.4	29.4 - 41.5	3,100	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	94.0	91.2 - 96.8	8,200	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	65.8	59.9 - 71.7	5,700	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	93.2	90.4 - 96.0	7,900	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	♦	43.0	36.7 - 49.4	3,600	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	81.7	76.3 - 87.1	5,300	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	35.7	28.7 - 42.7	2,300	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, San Francisco County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		San Francisco County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	73.9	68.3 - 79.6	6,500	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↑	93.4	90.8 - 95.9	8,100	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↑	93.9	91.5 - 96.3	8,300	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	↓	6.0	3.8 - 8.3	500	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	32.0	27.7 - 36.4	2,700	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	9.9	7.8 - 12.0	900	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	14.6	11.4 - 17.7	1,300	24.5	23.1 - 25.8	119,600
Uninsured	↓	13.0	9.3 - 16.7	1,100	24.0	22.6 - 25.4	117,500
Private	↑	69.0	64.9 - 73.2	6,000	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↓	30.6	26.6 - 34.6	2,700	49.7	48.4 - 51.0	242,800
Uninsured	♦	2.3 *	0.3 - 4.2	200	1.6	1.2 - 2.0	7,900
Private	↑	64.8	60.6 - 69.1	5,700	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	24.3	20.2 - 28.4	2,100	36.2	34.7 - 37.6	175,700
Uninsured	↓	6.7	3.7 - 9.7	600	15.0	13.8 - 16.2	72,800
Private	↑	66.2	61.7 - 70.6	5,800	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↓	33.0	28.8 - 37.2	2,900	52.2	50.9 - 53.6	250,400
Uninsured		--			2.9	2.2 - 3.5	13,700
Private	↑	64.3	60.0 - 68.6	5,600	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	↓	1.3 *	0.4 - 2.2	100	5.6	4.9 - 6.4	27,500
20-34	↓	60.7	54.5 - 67.0	5,300	74.5	73.0 - 76.0	365,300
35+	↑	38.0	31.7 - 44.2	3,300	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↓	8.6	6.1 - 11.1	800	16.5	15.2 - 17.7	79,900
Unmarried	↓	27.1	22.1 - 32.1	2,400	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	18.5	14.1 - 23.0	1,600	49.2	47.7 - 50.7	236,500
Black	♦	5.6	4.6 - 6.6	500	5.7	5.3 - 6.1	27,400
White	↑	41.8	36.0 - 47.6	3,600	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↑	33.8	27.6 - 39.9	2,900	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↑	45.5	39.5 - 51.5	4,000	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	31.3	25.9 - 36.6	2,700	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	10.5	7.1 - 14.0	900	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	19.8	16.6 - 23.1	1,600	41.0	39.5 - 42.4	188,800
101-200%	↓	11.9	8.2 - 15.6	1,000	20.8	19.4 - 22.2	96,000
> 200%	↑	68.2	64.0 - 72.5	5,600	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of San Francisco County was 402. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, San Joaquin County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		San Joaquin County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	91.0	87.6 - 94.4	8,900	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.9 *	0.9 - 4.9	300	2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.3	1.0 - 3.6	200	2.5	2.0 - 2.9	11,900
Asthma†	♦	9.7	6.4 - 12.9	900	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✗	26.1	21.2 - 31.0	2,500	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	26.2	21.1 - 31.3	2,500	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✗	26.2	21.0 - 31.5	2,500	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	14.8	10.3 - 19.2	1,200	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	44.8	38.6 - 51.0	3,700	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	20.0	14.9 - 25.1	1,900	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	9.9	6.4 - 13.4	1,000	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	18.2	13.6 - 22.9	1,800	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	✗	19.4	14.5 - 24.2	1,900	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✗	30.8	25.3 - 36.3	2,900	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	4.4	2.0 - 6.7	400	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	✗	11.2	7.6 - 14.8	1,100	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	17.8	13.1 - 22.5	1,700	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	15.3	11.0 - 19.6	1,500	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	7.4	4.8 - 10.1	700	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	6.0	3.0 - 9.0	600	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	13.1	9.2 - 17.0	1,300	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✗	5.2	2.7 - 7.6	500	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	7.7	4.8 - 10.5	700	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	15.2	10.9 - 19.5	1,500	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✓	4.1	1.7 - 6.5	400	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✗	37.4	31.7 - 43.0	3,600	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	14.7	10.5 - 18.9	1,400	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	82.0	77.7 - 86.4	7,700	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	82.9	78.6 - 87.2	7,900	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	43.5	37.6 - 49.3	4,200	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	✗	88.8	85.1 - 92.5	8,500	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✗	55.2	49.2 - 61.1	5,300	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✗	75.3	70.2 - 80.3	7,100	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	♦	38.8	33.0 - 44.5	3,600	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✗	52.6	45.7 - 59.4	3,800	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✗	20.3	15.0 - 25.6	1,400	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, San Joaquin County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		San Joaquin County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	65.9	60.3 - 71.5	6,400	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	89.0	85.0 - 93.1	8,600	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	86.9	82.9 - 90.8	8,500	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	↑	19.7	14.6 - 24.9	1,900	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	65.6	61.7 - 69.5	6,300	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	38.0	32.6 - 43.5	3,700	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	35.7	30.4 - 41.1	3,500	24.5	23.1 - 25.8	119,600
Uninsured	♦	26.3	21.1 - 31.6	2,600	24.0	22.6 - 25.4	117,500
Private	↓	35.6	31.2 - 40.0	3,500	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	61.7	57.4 - 66.0	6,000	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↓	34.0	29.8 - 38.2	3,300	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	50.4	45.1 - 55.6	4,900	36.2	34.7 - 37.6	175,700
Uninsured	♦	14.2	9.8 - 18.5	1,400	15.0	13.8 - 16.2	72,800
Private	↓	32.7	28.3 - 37.1	3,200	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	63.8	58.9 - 68.7	6,000	52.2	50.9 - 53.6	250,400
Uninsured	♦	4.4 *	1.6 - 7.1	400	2.9	2.2 - 3.5	13,700
Private	↓	29.7	25.1 - 34.2	2,800	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	6.8	3.7 - 10.0	700	5.6	4.9 - 6.4	27,500
20-34	♦	78.4	73.4 - 83.4	7,700	74.5	73.0 - 76.0	365,300
35+	↓	14.8	10.5 - 19.0	1,400	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↑	21.8	16.7 - 26.9	2,100	16.5	15.2 - 17.7	79,900
Unmarried	↑	50.0	44.4 - 55.7	4,900	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	♦	49.1	43.6 - 54.6	4,800	49.2	47.7 - 50.7	236,500
Black	↑	8.2	7.2 - 9.2	800	5.7	5.3 - 6.1	27,400
White	♦	25.9	21.0 - 30.9	2,500	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	♦	16.4	11.7 - 21.0	1,600	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	♦	32.3	26.8 - 37.9	3,200	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	29.2	23.7 - 34.7	2,800	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↑	49.2	43.7 - 54.8	4,600	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	53.0	47.6 - 58.4	5,000	41.0	39.5 - 42.4	188,800
101-200%	♦	21.8	16.6 - 27.0	2,100	20.8	19.4 - 22.2	96,000
> 200%	↓	25.2	21.4 - 29.0	2,400	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of San Joaquin County was 402. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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, San Luis Obispo County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

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

		San Luis Obispo County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	93.5	90.2 - 96.7	2,400	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.1 *	0.3 - 3.9	100	2.3	1.8 - 2.8	10,900
Hypertension†		--			2.5	2.0 - 2.9	11,900
Asthma†	✓	4.2	2.2 - 6.3	100	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	31.4	26.5 - 36.3	800	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	21.8	17.0 - 26.6	500	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	16.2	12.2 - 20.1	400	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	16.6	12.2 - 20.9	400	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	43.6	38.0 - 49.1	1,000	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	16.2	12.1 - 20.3	400	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	5.3	3.1 - 7.5	100	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	11.4	7.7 - 15.1	300	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	11.5	7.9 - 15.2	300	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	29.1	24.1 - 34.0	700	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.3	1.4 - 5.1	100	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	4.9	2.6 - 7.3	100	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	13.1	9.4 - 16.8	300	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	11.7	8.3 - 15.1	300	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	4.8	2.2 - 7.4	100	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	5.0	2.8 - 7.2	100	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	14.1	10.1 - 18.1	400	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	1.5 *	0.4 - 2.6	< 100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	6.9	3.7 - 10.2	200	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	✗	21.8	17.4 - 26.2	600	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	10.2	7.0 - 13.4	300	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	27.0	22.0 - 32.0	700	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	13.7	9.8 - 17.7	400	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	✓	88.1	84.6 - 91.7	2,200	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	81.2	77.0 - 85.5	2,100	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	37.5	32.2 - 42.7	1,000	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	✓	96.8 *	94.6 - 99.0	2,400	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	80.7	75.9 - 85.4	2,000	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	92.2	89.1 - 95.3	2,300	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	61.7	56.2 - 67.2	1,500	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	74.8	68.6 - 81.0	1,300	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	46.4	39.8 - 53.1	800	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, San Luis Obispo County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		San Luis Obispo County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	67.9	62.8 - 73.0	1,700	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↑	93.2	90.6 - 95.8	2,400	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↑	93.8	91.0 - 96.7	2,400	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	12.4	8.7 - 16.1	300	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	38.4	33.0 - 43.9	1,000	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	19.3	14.8 - 23.9	500	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	18.9	14.7 - 23.2	500	24.5	23.1 - 25.8	119,600
Uninsured	♦	23.2	18.2 - 28.2	600	24.0	22.6 - 25.4	117,500
Private	↑	56.7	51.2 - 62.2	1,500	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	♦	44.3	38.8 - 49.8	1,100	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↑	50.6	45.1 - 56.1	1,300	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	♦	34.3	29.0 - 39.7	900	36.2	34.7 - 37.6	175,700
Uninsured	♦	14.2	10.1 - 18.3	400	15.0	13.8 - 16.2	72,800
Private	♦	50.1	44.6 - 55.5	1,300	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↓	46.5	41.0 - 52.0	1,200	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.9 *	0.8 - 5.1	100	2.9	2.2 - 3.5	13,700
Private	↑	47.6	42.1 - 53.0	1,200	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	5.1	2.6 - 7.6	100	5.6	4.9 - 6.4	27,500
20-34	♦	77.1	72.5 - 81.7	2,000	74.5	73.0 - 76.0	365,300
35+	♦	17.8	13.6 - 22.0	500	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↓	9.0	5.8 - 12.2	200	16.5	15.2 - 17.7	79,900
Unmarried	↓	32.3	27.2 - 37.4	800	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	34.2	28.7 - 39.6	900	49.2	47.7 - 50.7	236,500
Black		--			5.7	5.3 - 6.1	27,400
White	↑	61.6	56.1 - 67.1	1,600	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	2.8 *	1.1 - 4.5	100	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	20.0	15.4 - 24.5	500	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	16.5	12.2 - 20.9	400	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	18.6	14.2 - 23.0	500	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	28.9	23.6 - 34.1	700	41.0	39.5 - 42.4	188,800
101-200%	♦	22.7	17.9 - 27.4	600	20.8	19.4 - 22.2	96,000
> 200%	↑	48.4	42.9 - 54.0	1,200	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of San Luis Obispo County was 382. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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, San Mateo County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		San Mateo County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	✓	96.8	95.0 - 98.6	8,500	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.9 *	0.9 - 4.9	300	2.3	1.8 - 2.8	10,900
Hypertension†		--			2.5	2.0 - 2.9	11,900
Asthma†	♦	5.2	2.4 - 7.9	500	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✓	47.0	40.9 - 53.2	4,100	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	20.3	15.5 - 25.2	1,700	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	15.8	11.0 - 20.6	1,300	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	16.6	12.0 - 21.2	1,300	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	39.8	33.3 - 46.3	3,000	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	13.4	9.0 - 17.8	1,200	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	5.2	2.7 - 7.8	500	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	✓	7.6	4.8 - 10.4	700	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	✓	8.7	5.5 - 12.0	800	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✓	16.8	12.2 - 21.4	1,500	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	2.5 *	0.6 - 4.5	200	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	5.7	2.6 - 8.8	500	6.9	6.0 - 7.7	33,600
Woman or partner lost job	✓	9.2	5.5 - 12.8	800	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	8.6	4.9 - 12.2	700	11.8	10.7 - 12.8	57,100
Became separated or divorced	✓	3.9 *	1.6 - 6.2	300	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	6.0	2.9 - 9.1	500	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	9.3	5.8 - 12.7	800	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	1.6 *	0.4 - 2.9	100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	3.1 *	1.1 - 5.0	300	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	12.1	8.3 - 16.0	1,100	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	10.7	7.2 - 14.1	900	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✓	21.9	16.8 - 27.0	1,900	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	✓	6.5	3.6 - 9.4	600	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	78.5	73.5 - 83.4	6,700	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✓	87.8	83.5 - 92.1	7,500	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	31.4	25.6 - 37.3	2,700	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	93.4	90.1 - 96.7	8,000	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	64.8	58.8 - 70.7	5,600	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	90.6	87.0 - 94.2	7,700	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	♦	42.2	36.0 - 48.3	3,600	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	79.0	73.1 - 84.8	4,900	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	♦	32.2	25.3 - 39.0	2,000	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, San Mateo County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		San Mateo County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↑	76.3	71.1 - 81.5	6,700	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	92.8	89.6 - 96.0	8,000	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	91.4	88.0 - 94.8	8,000	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	↓	7.2	4.3 - 10.0	600	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	31.7	25.8 - 37.6	2,700	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	11.1	7.3 - 15.0	1,000	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	13.3	9.1 - 17.5	1,200	24.5	23.1 - 25.8	119,600
Uninsured	↓	11.4	7.4 - 15.4	1,000	24.0	22.6 - 25.4	117,500
Private	↑	72.2	66.7 - 77.6	6,300	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↓	27.0	21.6 - 32.5	2,400	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↑	71.5	65.9 - 77.0	6,300	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	15.3	10.9 - 19.8	1,300	36.2	34.7 - 37.6	175,700
Uninsured	↓	7.9	4.4 - 11.3	700	15.0	13.8 - 16.2	72,800
Private	↑	73.0	67.5 - 78.5	6,400	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↓	30.5	24.7 - 36.2	2,600	52.2	50.9 - 53.6	250,400
Uninsured	♦	1.7 *	0.1 - 3.2	100	2.9	2.2 - 3.5	13,700
Private	↑	67.3	61.5 - 73.2	5,800	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	↓	2.4 *	0.6 - 4.2	200	5.6	4.9 - 6.4	27,500
20-34	↓	66.8	60.9 - 72.7	5,900	74.5	73.0 - 76.0	365,300
35+	↑	30.8	25.0 - 36.6	2,700	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↓	10.3	6.6 - 14.0	900	16.5	15.2 - 17.7	79,900
Unmarried	↓	28.8	23.2 - 34.4	2,500	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	31.5	25.6 - 37.5	2,600	49.2	47.7 - 50.7	236,500
Black	↓	1.7	1.4 - 1.9	100	5.7	5.3 - 6.1	27,400
White	♦	32.4	26.5 - 38.2	2,700	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↑	34.3	28.5 - 40.2	2,900	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↑	49.4	43.3 - 55.5	4,300	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↑	39.4	33.3 - 45.5	3,400	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	4.7	2.2 - 7.3	400	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	20.8	15.5 - 26.2	1,700	41.0	39.5 - 42.4	188,800
101-200%	↓	14.6	10.1 - 19.2	1,200	20.8	19.4 - 22.2	96,000
> 200%	↑	64.5	58.3 - 70.7	5,300	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of San Mateo County was 367. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Santa Barbara County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

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

		Santa Barbara County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	✗	89.1	85.9 - 92.4	5,100	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	3.0 *	1.0 - 5.1	200	2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.1 *	0.5 - 3.8	100	2.5	2.0 - 2.9	11,900
Asthma†	♦	7.6	4.5 - 10.8	400	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	33.3	28.1 - 38.6	1,900	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	29.8	24.3 - 35.3	1,500	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	20.1	15.5 - 24.7	1,000	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	18.7	14.0 - 23.3	800	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	37.8	31.7 - 43.9	1,600	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	20.0	15.6 - 24.4	1,100	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	✗	10.6	7.4 - 13.7	600	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	15.6	11.7 - 19.5	900	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	14.7	10.9 - 18.5	800	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	24.8	20.2 - 29.4	1,400	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.8	1.7 - 5.8	200	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	4.5	2.4 - 6.7	300	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	13.2	9.5 - 16.9	700	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	13.2	9.3 - 17.1	700	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	7.9	4.9 - 10.9	400	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	5.3	2.9 - 7.7	300	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	8.5	5.6 - 11.5	500	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	2.0 *	0.3 - 3.7	100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✓	2.8	1.4 - 4.2	200	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	12.9	9.1 - 16.7	700	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	8.3	5.0 - 11.6	500	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	31.3	26.4 - 36.3	1,800	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	13.9	9.9 - 17.9	800	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	84.8	80.8 - 88.8	4,700	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	78.1	73.4 - 82.8	4,400	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	44.8	39.3 - 50.3	2,500	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	93.8	91.3 - 96.4	5,300	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	65.3	60.1 - 70.4	3,700	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	88.4	85.1 - 91.8	4,900	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	♦	44.9	39.2 - 50.5	2,400	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	77.0	71.7 - 82.4	3,400	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	♦	31.8	25.8 - 37.8	1,400	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Santa Barbara County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Santa Barbara County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	68.3	63.2 - 73.3	3,900	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↓	84.7	80.9 - 88.6	4,800	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	87.2	83.3 - 91.0	5,000	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	15.6	11.4 - 19.7	900	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	62.2	56.7 - 67.7	3,500	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	♦	25.6	20.9 - 30.4	1,400	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	♦	23.7	19.2 - 28.2	1,300	24.5	23.1 - 25.8	119,600
Uninsured	↑	33.0	27.8 - 38.2	1,900	24.0	22.6 - 25.4	117,500
Private	↓	38.2	32.7 - 43.7	2,200	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	58.6	53.1 - 64.2	3,300	49.7	48.4 - 51.0	242,800
Uninsured	♦	2.7 *	0.7 - 4.8	200	1.6	1.2 - 2.0	7,900
Private	↓	34.0	28.6 - 39.4	1,900	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	♦	38.7	33.4 - 44.0	2,200	36.2	34.7 - 37.6	175,700
Uninsured	↑	23.6	19.0 - 28.3	1,300	15.0	13.8 - 16.2	72,800
Private	↓	33.9	28.4 - 39.3	1,900	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	63.9	58.4 - 69.3	3,600	52.2	50.9 - 53.6	250,400
Uninsured	♦	1.7 *	0.3 - 3.0	100	2.9	2.2 - 3.5	13,700
Private	↓	30.6	25.2 - 36.0	1,700	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	7.1	4.8 - 9.4	400	5.6	4.9 - 6.4	27,500
20-34	♦	76.8	72.2 - 81.4	4,400	74.5	73.0 - 76.0	365,300
35+	♦	16.2	11.9 - 20.4	900	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↑	27.3	22.5 - 32.0	1,500	16.5	15.2 - 17.7	79,900
Unmarried	↑	47.4	41.9 - 52.9	2,700	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	65.2	59.7 - 70.6	3,700	49.2	47.7 - 50.7	236,500
Black	↓	1.0	0.6 - 1.5	100	5.7	5.3 - 6.1	27,400
White	♦	29.1	23.8 - 34.5	1,700	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	4.2	1.9 - 6.6	200	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↑	44.0	38.6 - 49.4	2,500	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↑	37.9	32.7 - 43.2	2,100	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	♦	40.1	34.6 - 45.6	2,100	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	48.9	43.2 - 54.6	2,600	41.0	39.5 - 42.4	188,800
101-200%	♦	21.5	16.9 - 26.0	1,100	20.8	19.4 - 22.2	96,000
> 200%	↓	29.7	24.3 - 35.1	1,600	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Santa Barbara County was 394. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Santa Clara County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Santa Clara County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	94.3	91.4 - 97.1	21,800	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	✓	0.5 *	0.0 - 0.9	100	2.3	1.8 - 2.8	10,900
Hypertension†	♦	1.4 *	0.2 - 2.7	300	2.5	2.0 - 2.9	11,900
Asthma†	✓	4.7	2.5 - 7.0	1,100	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	36.4	29.1 - 43.6	8,400	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	21.4	15.7 - 27.1	4,700	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✓	13.4	8.8 - 18.1	2,900	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	20.7	14.4 - 27.0	4,100	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	40.0	31.9 - 48.1	7,900	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	12.4	8.1 - 16.6	2,800	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	6.3 *	2.2 - 10.3	1,400	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	14.1	9.7 - 18.5	3,300	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	12.1	7.8 - 16.5	2,800	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✓	17.4	12.2 - 22.5	4,000	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	1.9 *	0.6 - 3.2	400	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	✓	4.0	2.2 - 5.8	900	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	9.8	4.9 - 14.8	2,300	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	12.4	7.1 - 17.6	2,800	11.8	10.7 - 12.8	57,100
Became separated or divorced	✓	4.3	2.2 - 6.4	1,000	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	6.2	2.8 - 9.7	1,400	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✓	6.0	3.2 - 8.8	1,400	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†		--			2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✓	2.5 *	1.0 - 4.1	600	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	12.1	7.5 - 16.8	2,800	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	6.9 *	2.1 - 11.8	1,600	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	26.2	20.4 - 32.1	6,100	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	9.6	6.1 - 13.1	2,200	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	80.0	73.7 - 86.4	18,200	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	77.0	70.1 - 83.8	17,500	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	32.8	26.0 - 39.5	7,500	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	95.5 *	92.7 - 98.3	21,900	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	69.3	62.6 - 75.9	15,900	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	89.6	85.4 - 93.9	20,500	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	51.2	43.8 - 58.7	11,500	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	78.1	72.2 - 84.0	16,400	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	35.6	27.9 - 43.4	7,400	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Santa Clara County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Santa Clara County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	74.0	67.7 - 80.3	17,100	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	90.9	87.9 - 93.8	20,700	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↑	93.3	89.7 - 97.0	21,600	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	12.0	7.4 - 16.6	2,700	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	30.1	25.8 - 34.3	6,700	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	12.6	9.2 - 15.9	2,900	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	18.0	13.8 - 22.1	4,100	24.5	23.1 - 25.8	119,600
Uninsured	↓	15.3	11.5 - 19.1	3,500	24.0	22.6 - 25.4	117,500
Private	↑	65.7	60.7 - 70.7	15,100	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↓	31.0	26.4 - 35.6	7,100	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.5 *	0.1 - 3.0	400	1.6	1.2 - 2.0	7,900
Private	↑	66.4	61.6 - 71.1	15,200	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	24.8	20.4 - 29.3	5,700	36.2	34.7 - 37.6	175,700
Uninsured	↓	8.8	5.8 - 11.8	2,000	15.0	13.8 - 16.2	72,800
Private	↑	64.4	59.4 - 69.5	14,800	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↓	30.0	25.8 - 34.2	6,800	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.5 *	0.9 - 4.2	600	2.9	2.2 - 3.5	13,700
Private	↑	65.1	60.8 - 69.4	14,800	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	↓	3.2	1.6 - 4.7	700	5.6	4.9 - 6.4	27,500
20-34	♦	70.3	63.6 - 77.1	16,300	74.5	73.0 - 76.0	365,300
35+	↑	26.5	19.9 - 33.1	6,100	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↓	8.6	5.9 - 11.3	2,000	16.5	15.2 - 17.7	79,900
Unmarried	↓	28.0	23.5 - 32.5	6,400	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	34.6	29.3 - 39.8	7,700	49.2	47.7 - 50.7	236,500
Black	↓	2.1	1.8 - 2.5	500	5.7	5.3 - 6.1	27,400
White	♦	23.2	16.5 - 29.9	5,200	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↑	40.1	32.7 - 47.4	8,900	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↑	56.9	49.7 - 64.1	13,100	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↑	45.4	38.1 - 52.8	10,300	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	16.7	11.3 - 22.1	3,800	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	22.4	18.4 - 26.5	4,900	41.0	39.5 - 42.4	188,800
101-200%	↓	14.1	10.2 - 18.1	3,100	20.8	19.4 - 22.2	96,000
> 200%	↑	63.4	58.3 - 68.5	13,900	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Santa Clara County was 374. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Santa Cruz County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Santa Cruz County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	89.3	85.9 - 92.8	2,600	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	1.7 *	0.5 - 3.0	< 100	2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.2 *	0.8 - 3.5	100	2.5	2.0 - 2.9	11,900
Asthma†	♦	8.3	5.5 - 11.1	200	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	36.7	31.5 - 41.9	1,100	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	24.6	19.7 - 29.5	600	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	20.3	15.9 - 24.7	500	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	16.5	12.1 - 20.9	400	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	✗	48.2	42.2 - 54.1	1,100	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	19.2	15.0 - 23.5	600	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	8.0	5.0 - 11.1	200	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	15.6	11.7 - 19.5	500	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	14.8	11.0 - 18.5	400	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	20.7	16.5 - 24.9	600	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.8	1.8 - 5.8	100	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	5.0	2.9 - 7.2	100	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	12.4	9.1 - 15.8	400	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	13.4	9.8 - 17.0	400	11.8	10.7 - 12.8	57,100
Became separated or divorced	✓	4.5	2.4 - 6.7	100	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	5.2	3.0 - 7.3	200	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✓	6.5	4.1 - 9.0	200	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✓	1.1 *	0.1 - 2.1	< 100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✓	2.3	1.0 - 3.6	100	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	18.3	14.3 - 22.4	500	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✗	10.8	7.7 - 14.0	300	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	26.3	21.7 - 30.9	800	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	10.9	7.5 - 14.3	300	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	84.2	80.4 - 88.0	2,400	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	83.2	79.2 - 87.2	2,400	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	48.1	42.8 - 53.4	1,400	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	✓	97.3 *	95.6 - 99.0	2,800	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	73.6	68.9 - 78.2	2,100	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	93.9	91.1 - 96.6	2,700	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	57.7	52.4 - 63.1	1,600	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	82.5	77.7 - 87.3	1,700	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	40.6	34.5 - 46.7	900	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Santa Cruz County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Santa Cruz County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↑	78.5	74.2 - 82.7	2,300	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	91.4	88.5 - 94.2	2,600	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	88.1	84.8 - 91.4	2,500	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	16.1	12.2 - 20.0	500	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	♦	53.2	47.9 - 58.5	1,500	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	♦	26.8	22.2 - 31.4	800	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	♦	22.6	18.3 - 26.9	700	24.5	23.1 - 25.8	119,600
Uninsured	♦	24.5	20.2 - 28.7	700	24.0	22.6 - 25.4	117,500
Private	♦	49.9	44.6 - 55.2	1,400	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	55.4	50.1 - 60.7	1,600	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.2 *	0.1 - 2.3	< 100	1.6	1.2 - 2.0	7,900
Private	♦	42.3	37.0 - 47.6	1,200	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	♦	35.9	30.9 - 41.0	1,000	36.2	34.7 - 37.6	175,700
Uninsured	↑	20.3	16.3 - 24.3	600	15.0	13.8 - 16.2	72,800
Private	♦	43.4	38.1 - 48.6	1,300	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	58.0	52.8 - 63.3	1,700	52.2	50.9 - 53.6	250,400
Uninsured		--			2.9	2.2 - 3.5	13,700
Private	♦	37.9	32.7 - 43.1	1,100	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	5.8	3.2 - 8.3	200	5.6	4.9 - 6.4	27,500
20-34	♦	70.6	65.8 - 75.4	2,100	74.5	73.0 - 76.0	365,300
35+	♦	23.6	19.2 - 28.1	700	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↑	22.2	17.9 - 26.5	600	16.5	15.2 - 17.7	79,900
Unmarried	♦	40.5	35.4 - 45.7	1,200	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	56.8	51.6 - 62.1	1,600	49.2	47.7 - 50.7	236,500
Black		--			5.7	5.3 - 6.1	27,400
White	↑	39.0	33.9 - 44.2	1,100	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	3.1 *	0.8 - 5.4	100	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	♦	37.0	31.9 - 42.1	1,100	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	34.6	29.6 - 39.6	1,000	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	♦	39.8	34.5 - 45.1	1,100	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	♦	41.3	35.9 - 46.7	1,100	41.0	39.5 - 42.4	188,800
101-200%	♦	20.9	16.7 - 25.1	600	20.8	19.4 - 22.2	96,000
> 200%	♦	37.8	32.5 - 43.0	1,000	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Santa Cruz County was 400. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Shasta County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Shasta County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	88.9	84.4 - 93.3	1,800	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	1.6 *	0.1 - 3.2	< 100	2.3	1.8 - 2.8	10,900
Hypertension†	♦	3.8 *	0.8 - 6.8	100	2.5	2.0 - 2.9	11,900
Asthma†	♦	10.2	7.1 - 13.4	200	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	27.6	22.2 - 33.1	600	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	20.0	15.4 - 24.6	400	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	22.2	17.3 - 27.0	500	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	13.4	9.0 - 17.7	200	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	✗	48.1	41.7 - 54.6	900	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	19.4	14.3 - 24.5	400	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	✗	11.1	7.2 - 15.1	200	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	✗	23.3	17.7 - 28.9	500	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	✗	18.9	13.9 - 24.0	400	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✗	41.3	35.2 - 47.4	800	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	✗	6.1	3.2 - 9.0	100	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	7.1	4.0 - 10.1	100	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	15.3	10.8 - 19.8	300	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	✗	15.8	11.6 - 20.0	300	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	8.7	5.3 - 12.2	200	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.2 *	0.4 - 5.9	100	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✗	32.5	26.7 - 38.3	700	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✗	14.0	9.2 - 18.8	300	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✗	20.1	14.8 - 25.3	400	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	✗	20.8	16.1 - 25.6	400	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	5.7	2.8 - 8.6	100	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	36.3	30.5 - 42.1	700	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	13.8	9.4 - 18.2	300	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	84.8	80.2 - 89.3	1,700	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	79.2	74.5 - 84.0	1,600	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	32.5	26.9 - 38.0	700	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	95.3	92.5 - 98.0	2,000	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	83.0	78.3 - 87.6	1,700	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	84.8	80.1 - 89.5	1,700	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	53.2	47.1 - 59.4	1,100	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	73.7	67.5 - 79.8	1,200	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	38.7	31.8 - 45.6	600	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Shasta County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Shasta County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	65.2	59.6 - 70.9	1,400	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↓	81.8	76.6 - 87.1	1,700	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	84.8	79.8 - 89.7	1,800	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	10.4	7.0 - 13.7	200	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	♦	57.8	52.0 - 63.5	1,200	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	35.5	29.7 - 41.2	700	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	35.0	29.3 - 40.7	700	24.5	23.1 - 25.8	119,600
Uninsured	♦	20.2	15.1 - 25.2	400	24.0	22.6 - 25.4	117,500
Private	↓	41.4	35.9 - 47.0	900	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	60.8	55.3 - 66.4	1,300	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↓	34.0	28.6 - 39.4	700	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	48.2	42.5 - 53.9	1,000	36.2	34.7 - 37.6	175,700
Uninsured	♦	12.0	8.0 - 16.1	200	15.0	13.8 - 16.2	72,800
Private	↓	37.7	32.1 - 43.2	800	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	63.3	57.8 - 68.9	1,300	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.5 *	1.0 - 4.0	100	2.9	2.2 - 3.5	13,700
Private	↓	31.4	26.1 - 36.7	600	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	7.4	4.3 - 10.6	200	5.6	4.9 - 6.4	27,500
20-34	↑	82.3	77.6 - 87.0	1,700	74.5	73.0 - 76.0	365,300
35+	↓	10.2	6.5 - 14.0	200	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	11.7	7.3 - 16.1	200	16.5	15.2 - 17.7	79,900
Unmarried	♦	46.7	40.8 - 52.7	1,000	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	9.4	5.8 - 13.0	200	49.2	47.7 - 50.7	236,500
Black	↓	1.2	0.6 - 1.8	< 100	5.7	5.3 - 6.1	27,400
White	↑	79.6	75.2 - 84.1	1,600	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	4.1 *	1.6 - 6.7	100	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	6.2	2.9 - 9.4	100	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	4.0 *	1.5 - 6.5	100	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	♦	39.2	33.3 - 45.1	800	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	♦	45.3	39.5 - 51.2	900	41.0	39.5 - 42.4	188,800
101-200%	♦	22.0	16.9 - 27.1	400	20.8	19.4 - 22.2	96,000
> 200%	♦	32.6	27.1 - 38.1	700	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Shasta County was 362. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Solano County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Solano County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	93.3	90.4 - 96.2	4,800	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.0 *	0.2 - 3.8	100	2.3	1.8 - 2.8	10,900
Hypertension†	♦	3.6 *	1.2 - 5.9	200	2.5	2.0 - 2.9	11,900
Asthma†	✗	13.1	9.0 - 17.1	700	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	31.0	25.3 - 36.7	1,600	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	28.6	23.1 - 34.1	1,400	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	23.7	18.8 - 28.6	1,200	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	16.3	11.4 - 21.1	700	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	47.9	41.4 - 54.4	2,100	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	20.6	15.9 - 25.2	1,100	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	6.9	4.2 - 9.5	400	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	16.2	12.0 - 20.4	800	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	16.4	12.0 - 20.8	800	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✗	31.2	25.6 - 36.7	1,600	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	✗	5.3	3.0 - 7.7	300	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	✗	10.7	7.2 - 14.1	600	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	18.6	14.4 - 22.9	1,000	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	✗	18.9	14.4 - 23.4	1,000	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	7.6	4.4 - 10.8	400	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.9 *	1.4 - 6.5	200	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✗	16.9	12.5 - 21.2	900	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✗	5.2	2.9 - 7.5	300	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✗	12.1	8.3 - 15.9	600	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	15.7	11.2 - 20.2	800	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	5.5	2.9 - 8.2	300	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	31.4	26.2 - 36.7	1,600	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	15.3	10.8 - 19.8	800	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	85.7	81.0 - 90.3	4,300	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	75.0	69.9 - 80.2	3,800	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	41.3	35.2 - 47.4	2,100	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	95.5	93.1 - 97.8	4,800	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	75.1	70.1 - 80.1	3,800	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	83.4	79.2 - 87.7	4,200	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	51.1	45.0 - 57.2	2,600	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	♦	68.9	62.6 - 75.3	2,600	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	♦	32.9	26.4 - 39.3	1,200	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Solano County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Solano County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	72.0	66.7 - 77.4	3,700	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	87.7	83.9 - 91.5	4,500	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↑	91.3	88.5 - 94.1	4,700	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	16.3	11.9 - 20.7	800	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	45.6	41.0 - 50.1	2,300	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	♦	23.0	18.9 - 27.1	1,200	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	♦	21.7	17.6 - 25.7	1,100	24.5	23.1 - 25.8	119,600
Uninsured	↓	14.2	10.7 - 17.6	700	24.0	22.6 - 25.4	117,500
Private	↑	53.3	47.9 - 58.7	2,700	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↓	41.4	36.9 - 45.9	2,100	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.4 *	0.2 - 2.6	100	1.6	1.2 - 2.0	7,900
Private	♦	46.7	41.4 - 51.9	2,400	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	♦	33.1	28.6 - 37.6	1,700	36.2	34.7 - 37.6	175,700
Uninsured	↓	9.0	6.1 - 11.9	500	15.0	13.8 - 16.2	72,800
Private	♦	48.6	43.3 - 53.9	2,500	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↓	46.4	41.3 - 51.4	2,400	52.2	50.9 - 53.6	250,400
Uninsured	♦	3.8 *	1.4 - 6.2	200	2.9	2.2 - 3.5	13,700
Private	♦	41.4	35.9 - 46.9	2,100	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	5.2	3.0 - 7.5	300	5.6	4.9 - 6.4	27,500
20-34	♦	79.2	74.1 - 84.2	4,100	74.5	73.0 - 76.0	365,300
35+	♦	15.6	10.9 - 20.3	800	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	13.2	9.0 - 17.3	700	16.5	15.2 - 17.7	79,900
Unmarried	♦	40.9	35.4 - 46.5	2,100	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	33.9	28.6 - 39.2	1,700	49.2	47.7 - 50.7	236,500
Black	↑	13.6	11.7 - 15.4	700	5.7	5.3 - 6.1	27,400
White	↑	35.5	29.9 - 41.1	1,800	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	♦	16.3	10.9 - 21.7	800	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	26.6	20.9 - 32.2	1,400	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	20.6	15.6 - 25.6	1,000	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	24.8	20.2 - 29.4	1,200	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	34.3	29.4 - 39.3	1,700	41.0	39.5 - 42.4	188,800
101-200%	♦	25.7	20.3 - 31.1	1,300	20.8	19.4 - 22.2	96,000
> 200%	♦	40.0	34.6 - 45.3	2,000	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Solano County was 379. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Sonoma County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Sonoma County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	94.5	92.1 - 96.8	4,700	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.5 *	1.0 - 4.0	100	2.3	1.8 - 2.8	10,900
Hypertension†	♦	3.5	1.6 - 5.4	200	2.5	2.0 - 2.9	11,900
Asthma†	✗	11.1	7.7 - 14.6	500	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✓	38.6	33.3 - 43.9	1,900	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	23.7	19.0 - 28.4	1,100	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	20.1	15.7 - 24.5	900	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	15.8	11.4 - 20.2	600	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	✗	50.1	44.1 - 56.1	2,000	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	14.7	10.7 - 18.8	700	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	6.6	3.5 - 9.7	300	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	14.8	10.7 - 18.8	700	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	13.3	9.5 - 17.0	700	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	26.8	22.0 - 31.5	1,300	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	4.1 *	1.4 - 6.8	200	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	7.3	4.0 - 10.6	400	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	13.5	9.5 - 17.4	700	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	15.1	10.9 - 19.4	700	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	5.7	3.0 - 8.5	300	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.3 *	1.1 - 5.5	200	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	13.7	9.8 - 17.7	700	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	2.6 *	0.3 - 4.9	100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	4.7 *	1.9 - 7.4	200	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	19.4	14.8 - 24.1	1,000	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	10.1	7.0 - 13.2	500	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	29.2	24.0 - 34.4	1,400	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	12.4	8.8 - 15.9	600	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	✓	86.8	83.2 - 90.4	4,300	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✓	84.3	80.4 - 88.3	4,100	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	40.0	34.7 - 45.3	2,000	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	94.6	92.0 - 97.2	4,600	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	80.4	75.9 - 84.8	3,900	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	90.2	86.9 - 93.5	4,400	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	63.8	58.4 - 69.3	3,100	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	80.3	75.0 - 85.6	2,900	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	49.9	43.4 - 56.4	1,800	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Sonoma County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Sonoma County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↑	80.5	76.1 - 84.9	4,000	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	92.3	89.4 - 95.3	4,500	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↑	95.8	93.6 - 98.0	4,700	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	↓	8.4	5.1 - 11.7	400	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	44.1	38.7 - 49.6	2,200	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	18.8	14.6 - 23.0	900	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	17.5	13.5 - 21.5	900	24.5	23.1 - 25.8	119,600
Uninsured	♦	24.5	19.9 - 29.1	1,200	24.0	22.6 - 25.4	117,500
Private	↑	55.2	49.8 - 60.5	2,700	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	♦	47.1	41.7 - 52.6	2,300	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.2 *	0.2 - 2.1	100	1.6	1.2 - 2.0	7,900
Private	♦	48.0	42.5 - 53.4	2,400	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	27.4	22.4 - 32.3	1,300	36.2	34.7 - 37.6	175,700
Uninsured	♦	17.8	13.7 - 21.9	900	15.0	13.8 - 16.2	72,800
Private	↑	52.0	46.6 - 57.5	2,500	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	♦	49.0	43.5 - 54.4	2,400	52.2	50.9 - 53.6	250,400
Uninsured	↓	1.1 *	0.1 - 2.1	100	2.9	2.2 - 3.5	13,700
Private	♦	45.9	40.5 - 51.4	2,200	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	4.2	1.8 - 6.5	200	5.6	4.9 - 6.4	27,500
20-34	♦	74.7	70.0 - 79.5	3,700	74.5	73.0 - 76.0	365,300
35+	♦	21.1	16.7 - 25.5	1,000	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	15.1	11.1 - 19.0	700	16.5	15.2 - 17.7	79,900
Unmarried	↓	35.2	30.0 - 40.4	1,700	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	40.3	34.7 - 45.8	1,800	49.2	47.7 - 50.7	236,500
Black	--	--	--	--	5.7	5.3 - 6.1	27,400
White	↑	52.2	46.6 - 57.8	2,400	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	5.0	2.1 - 8.0	200	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	30.4	25.3 - 35.5	1,500	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	27.3	22.3 - 32.2	1,300	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	19.2	15.0 - 23.4	900	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	29.2	24.0 - 34.4	1,400	41.0	39.5 - 42.4	188,800
101-200%	♦	24.0	19.2 - 28.9	1,100	20.8	19.4 - 22.2	96,000
> 200%	↑	46.8	41.2 - 52.3	2,200	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Sonoma County was 389. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Stanislaus County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Stanislaus County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	92.8	90.2 - 95.4	6,900	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	✗	4.6	2.0 - 7.2	300	2.3	1.8 - 2.8	10,900
Hypertension†	♦	3.9	1.9 - 5.9	300	2.5	2.0 - 2.9	11,900
Asthma†	♦	9.9	6.5 - 13.2	700	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	31.0	25.7 - 36.3	2,300	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	25.4	20.6 - 30.3	1,800	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✗	28.0	22.7 - 33.3	2,000	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	17.3	12.5 - 22.0	1,100	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	43.8	37.7 - 49.9	2,800	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	20.8	16.0 - 25.6	1,500	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	✗	11.4	7.2 - 15.5	800	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	✗	18.5	13.8 - 23.3	1,400	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	✗	18.3	13.7 - 23.0	1,400	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✗	31.1	25.7 - 36.5	2,300	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.1	1.5 - 4.8	200	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	8.0	4.6 - 11.5	600	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	18.1	13.2 - 22.9	1,300	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	15.2	10.9 - 19.5	1,100	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	9.7	6.2 - 13.3	700	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.4 *	1.1 - 5.8	300	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	12.7	8.9 - 16.5	900	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✗	5.3	2.6 - 8.0	400	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✗	9.5	6.1 - 12.9	700	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	17.9	13.5 - 22.3	1,300	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✓	4.2	2.1 - 6.4	300	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	33.2	27.6 - 38.8	2,500	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	15.4	11.3 - 19.5	1,100	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	82.2	77.7 - 86.8	5,900	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	77.1	72.5 - 81.8	5,500	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	32.0	26.6 - 37.4	2,300	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	90.5	87.3 - 93.6	6,500	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	63.0	57.4 - 68.6	4,500	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✗	76.2	71.2 - 81.1	5,400	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	♦	44.3	38.5 - 50.1	3,100	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✗	56.1	49.4 - 62.7	3,100	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	♦	22.9	17.5 - 28.3	1,200	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Stanislaus County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Stanislaus County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	70.5	65.3 - 75.8	5,200	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↓	84.7	80.1 - 89.4	6,300	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	85.6	81.4 - 89.9	6,400	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	14.7	10.3 - 19.2	1,100	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	64.6	59.2 - 70.1	4,700	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	36.6	30.9 - 42.3	2,700	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	32.7	27.2 - 38.2	2,400	24.5	23.1 - 25.8	119,600
Uninsured	♦	25.2	20.2 - 30.2	1,900	24.0	22.6 - 25.4	117,500
Private	↓	40.8	35.2 - 46.4	3,000	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	63.5	58.1 - 69.0	4,700	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↓	33.5	28.2 - 38.9	2,500	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	48.3	42.5 - 54.0	3,600	36.2	34.7 - 37.6	175,700
Uninsured	♦	14.0	9.7 - 18.2	1,000	15.0	13.8 - 16.2	72,800
Private	↓	36.4	30.9 - 41.9	2,700	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	65.7	60.2 - 71.1	4,600	52.2	50.9 - 53.6	250,400
Uninsured	♦	3.3 *	1.3 - 5.3	200	2.9	2.2 - 3.5	13,700
Private	↓	28.6	23.4 - 33.8	2,000	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	7.5	4.3 - 10.7	600	5.6	4.9 - 6.4	27,500
20-34	♦	78.7	73.7 - 83.7	5,800	74.5	73.0 - 76.0	365,300
35+	↓	13.8	9.5 - 18.0	1,000	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	17.1	12.8 - 21.4	1,200	16.5	15.2 - 17.7	79,900
Unmarried	♦	46.1	40.3 - 51.8	3,400	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	56.1	50.4 - 61.8	4,100	49.2	47.7 - 50.7	236,500
Black	↓	2.4	1.8 - 2.9	200	5.7	5.3 - 6.1	27,400
White	↑	36.6	31.0 - 42.1	2,700	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	4.5 *	1.8 - 7.2	300	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	27.7	22.5 - 32.9	2,100	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	21.3	16.6 - 26.0	1,600	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↑	60.4	54.8 - 66.0	4,400	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	49.5	43.5 - 55.4	3,400	41.0	39.5 - 42.4	188,800
101-200%	♦	24.9	19.7 - 30.0	1,700	20.8	19.4 - 22.2	96,000
> 200%	↓	25.7	20.6 - 30.7	1,800	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Stanislaus County was 390. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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, Tulare County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Tulare County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	90.3	86.9 - 93.7	6,800	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.9 *	1.0 - 4.8	200	2.3	1.8 - 2.8	10,900
Hypertension†	♦	3.2 *	1.3 - 5.2	200	2.5	2.0 - 2.9	11,900
Asthma†	♦	5.8	3.1 - 8.6	400	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✗	25.7	20.4 - 30.9	1,900	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	27.9	22.4 - 33.4	2,000	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✗	30.5	24.8 - 36.2	2,200	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	15.4	10.6 - 20.2	900	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	44.3	37.7 - 50.9	2,600	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	13.7	9.6 - 17.8	1,000	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	7.7	4.8 - 10.6	600	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	12.8	9.0 - 16.7	1,000	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	10.4	6.7 - 14.1	800	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	26.5	21.1 - 31.8	2,000	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	2.4 *	0.8 - 4.1	200	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	6.8	3.7 - 9.8	500	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	12.6	8.7 - 16.5	900	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	9.0	5.7 - 12.2	700	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	9.4	5.9 - 12.8	700	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	5.4	2.8 - 8.0	400	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	9.5	6.0 - 12.9	700	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	2.0 *	0.3 - 3.6	100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	4.6	2.1 - 7.0	300	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	12.9	8.9 - 17.0	900	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✓	2.0 *	0.1 - 3.9	100	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	35.4	29.6 - 41.2	2,700	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	11.1	7.8 - 14.5	800	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	82.5	78.0 - 87.1	6,100	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	75.1	69.9 - 80.2	5,500	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	39.1	33.1 - 45.0	2,900	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	✗	86.5	82.5 - 90.5	6,300	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✗	53.0	46.9 - 59.0	3,900	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✗	65.5	59.7 - 71.3	4,800	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	♦	37.0	31.1 - 42.8	2,700	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✗	46.3	39.4 - 53.2	2,700	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	♦	22.0	16.2 - 27.7	1,200	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Tulare County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Tulare County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	73.8	68.5 - 79.2	5,500	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	91.8	88.5 - 95.1	6,700	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	86.5	82.5 - 90.5	6,500	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	10.0	6.6 - 13.4	700	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	71.7	66.3 - 77.2	5,300	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	49.2	43.1 - 55.2	3,700	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	43.0	37.0 - 48.9	3,200	24.5	23.1 - 25.8	119,600
Uninsured	♦	25.9	20.6 - 31.1	1,900	24.0	22.6 - 25.4	117,500
Private	↓	28.6	23.2 - 34.0	2,200	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	74.2	68.9 - 79.5	5,600	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↓	22.9	17.8 - 27.9	1,700	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	57.0	51.0 - 62.9	4,200	36.2	34.7 - 37.6	175,700
Uninsured	♦	16.5	12.1 - 21.0	1,200	15.0	13.8 - 16.2	72,800
Private	↓	24.6	19.5 - 29.7	1,800	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	74.6	69.4 - 79.9	5,500	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.2 *	0.5 - 3.8	200	2.9	2.2 - 3.5	13,700
Private	↓	21.1	16.1 - 26.0	1,600	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	↑	10.1	6.5 - 13.7	800	5.6	4.9 - 6.4	27,500
20-34	♦	77.8	73.0 - 82.7	5,900	74.5	73.0 - 76.0	365,300
35+	↓	12.1	8.3 - 15.8	900	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↑	24.7	19.5 - 30.0	1,800	16.5	15.2 - 17.7	79,900
Unmarried	↑	50.2	44.2 - 56.2	3,800	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	73.2	68.0 - 78.4	5,500	49.2	47.7 - 50.7	236,500
Black	↓	1.3	1.0 - 1.5	100	5.7	5.3 - 6.1	27,400
White	↓	21.2	16.4 - 26.1	1,600	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	3.4 *	1.0 - 5.9	300	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	♦	32.6	27.0 - 38.2	2,500	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	30.3	24.9 - 35.6	2,300	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↑	70.1	64.3 - 75.9	4,900	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	59.2	53.2 - 65.3	4,200	41.0	39.5 - 42.4	188,800
101-200%	♦	19.8	14.9 - 24.6	1,400	20.8	19.4 - 22.2	96,000
> 200%	↓	21.0	16.0 - 26.0	1,500	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Tulare County was 369. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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, Ventura County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Ventura County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	92.3	89.0 - 95.5	9,400	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	1.8 *	0.4 - 3.3	200	2.3	1.8 - 2.8	10,900
Hypertension†	♦	3.9 *	1.4 - 6.5	400	2.5	2.0 - 2.9	11,900
Asthma†	✗	11.9	7.7 - 16.1	1,200	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	36.0	30.4 - 41.6	3,700	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	25.1	19.9 - 30.3	2,300	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	21.7	16.2 - 27.1	2,000	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	15.2	10.6 - 19.9	1,300	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	46.7	40.3 - 53.2	3,900	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	19.0	14.2 - 23.8	1,900	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	8.7	4.7 - 12.7	900	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	15.5	11.1 - 20.0	1,600	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	15.8	11.1 - 20.4	1,600	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✗	31.1	25.4 - 36.8	3,100	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	4.1	1.7 - 6.4	400	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	8.8	5.1 - 12.4	900	6.9	6.0 - 7.7	33,600
Woman or partner lost job	✗	19.6	14.6 - 24.6	2,000	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	14.4	10.3 - 18.5	1,500	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	4.7 *	1.9 - 7.5	500	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.5 *	1.3 - 5.8	400	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✓	6.7	3.9 - 9.4	700	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	2.0 *	0.3 - 3.8	200	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	3.9 *	1.4 - 6.4	400	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	16.4	11.9 - 20.9	1,700	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	7.1	4.0 - 10.1	700	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✓	24.7	19.6 - 29.8	2,500	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	10.9	7.4 - 14.5	1,100	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	81.4	76.3 - 86.5	8,300	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✓	88.4	84.6 - 92.2	8,900	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	32.2	26.6 - 37.9	3,300	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	92.6	89.4 - 95.7	9,400	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	65.1	59.4 - 70.9	6,600	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	86.0	81.8 - 90.2	8,600	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	49.5	43.4 - 55.7	4,900	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	♦	70.0	63.5 - 76.6	5,400	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	35.5	28.8 - 42.1	2,700	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Ventura County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Ventura County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	75.4	70.5 - 80.3	7,700	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	89.2	85.5 - 92.9	9,000	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	87.4	83.2 - 91.5	9,000	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	12.4	7.9 - 16.9	1,300	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	♦	48.6	42.4 - 54.7	4,700	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	♦	20.5	15.8 - 25.3	2,100	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	15.4	11.3 - 19.6	1,600	24.5	23.1 - 25.8	119,600
Uninsured	♦	28.3	22.7 - 33.8	2,900	24.0	22.6 - 25.4	117,500
Private	♦	52.0	45.9 - 58.0	5,300	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	♦	47.1	41.1 - 53.2	4,800	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.6 *	0.2 - 2.9	200	1.6	1.2 - 2.0	7,900
Private	♦	48.3	42.3 - 54.4	4,900	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	23.2	18.2 - 28.2	2,300	36.2	34.7 - 37.6	175,700
Uninsured	↑	22.8	17.6 - 28.1	2,300	15.0	13.8 - 16.2	72,800
Private	♦	50.3	44.3 - 56.4	5,100	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	♦	48.1	42.0 - 54.1	4,900	52.2	50.9 - 53.6	250,400
Uninsured	♦	1.3 *	0.1 - 2.6	100	2.9	2.2 - 3.5	13,700
Private	♦	45.9	39.9 - 52.0	4,600	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	6.1	2.9 - 9.3	600	5.6	4.9 - 6.4	27,500
20-34	♦	74.8	69.6 - 80.1	7,700	74.5	73.0 - 76.0	365,300
35+	♦	19.1	14.5 - 23.7	2,000	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	17.3	12.7 - 21.8	1,800	16.5	15.2 - 17.7	79,900
Unmarried	♦	36.6	30.8 - 42.4	3,700	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	58.1	52.2 - 64.1	5,900	49.2	47.7 - 50.7	236,500
Black	↓	1.1	0.8 - 1.4	100	5.7	5.3 - 6.1	27,400
White	♦	34.0	28.4 - 39.7	3,500	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	6.8	3.2 - 10.3	700	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	♦	37.5	31.6 - 43.5	3,900	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	34.5	28.6 - 40.4	3,500	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	14.7	10.6 - 18.7	1,500	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	♦	40.5	34.2 - 46.8	3,800	41.0	39.5 - 42.4	188,800
101-200%	♦	17.8	12.9 - 22.6	1,700	20.8	19.4 - 22.2	96,000
> 200%	♦	41.7	35.6 - 47.8	3,900	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Ventura County was 367. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Yolo County, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Yolo County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	95.0	92.7 - 97.4	2,300	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.3 *	0.8 - 3.7	100	2.3	1.8 - 2.8	10,900
Hypertension†	♦	1.3 *	0.3 - 2.4	< 100	2.5	2.0 - 2.9	11,900
Asthma†	♦	10.4	6.9 - 13.9	200	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	36.4	31.0 - 41.8	900	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	26.0	21.2 - 30.7	600	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	22.9	18.2 - 27.6	500	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	13.4	9.6 - 17.1	300	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	45.7	40.0 - 51.5	900	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	14.0	9.8 - 18.2	300	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	7.3	4.3 - 10.3	200	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	✓	8.1	5.1 - 11.1	200	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	9.8	6.7 - 13.0	200	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	22.6	18.1 - 27.2	500	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	2.2 *	0.6 - 3.8	100	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	4.4	2.1 - 6.7	100	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	16.4	12.0 - 20.8	400	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	13.9	10.1 - 17.7	300	11.8	10.7 - 12.8	57,100
Became separated or divorced	✓	4.6	2.4 - 6.8	100	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.3 *	1.3 - 5.3	100	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	10.9	7.5 - 14.2	300	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	2.6 *	0.8 - 4.4	100	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	5.1	2.5 - 7.7	100	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	14.7	10.8 - 18.6	400	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	5.1	3.1 - 7.1	100	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✓	22.7	18.2 - 27.2	500	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	13.6	9.8 - 17.3	300	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	84.0	79.9 - 88.0	2,000	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✓	85.1	81.2 - 88.9	2,000	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	41.2	35.7 - 46.7	1,000	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	95.3	92.6 - 98.0	2,200	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	75.7	70.7 - 80.6	1,800	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	90.3	86.8 - 93.7	2,100	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	53.9	48.2 - 59.7	1,200	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	74.7	68.8 - 80.7	1,300	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	39.1	32.6 - 45.6	600	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Yolo County, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Yolo County			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	68.5	63.0 - 73.9	1,600	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	91.1	87.9 - 94.2	2,200	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↑	92.5	89.7 - 95.4	2,200	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	14.4	10.2 - 18.6	300	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	48.3	42.8 - 53.8	1,200	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	♦	22.9	18.4 - 27.3	500	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	♦	21.3	16.9 - 25.6	500	24.5	23.1 - 25.8	119,600
Uninsured	♦	20.3	15.9 - 24.8	500	24.0	22.6 - 25.4	117,500
Private	↑	56.8	51.4 - 62.2	1,400	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	♦	45.8	40.3 - 51.3	1,100	49.7	48.4 - 51.0	242,800
Uninsured		--			1.6	1.2 - 2.0	7,900
Private	↑	51.7	46.2 - 57.2	1,200	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	29.5	24.3 - 34.7	700	36.2	34.7 - 37.6	175,700
Uninsured	♦	14.9	11.0 - 18.8	400	15.0	13.8 - 16.2	72,800
Private	↑	55.4	49.9 - 60.8	1,300	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	♦	47.8	42.4 - 53.3	1,100	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.0 *	0.6 - 3.5	< 100	2.9	2.2 - 3.5	13,700
Private	↑	49.5	44.0 - 55.0	1,200	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	4.4	2.1 - 6.7	100	5.6	4.9 - 6.4	27,500
20-34	♦	75.8	70.9 - 80.6	1,800	74.5	73.0 - 76.0	365,300
35+	♦	19.8	15.4 - 24.3	500	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	14.1	10.1 - 18.1	300	16.5	15.2 - 17.7	79,900
Unmarried	↓	32.1	26.9 - 37.3	800	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	40.4	34.9 - 45.8	1,000	49.2	47.7 - 50.7	236,500
Black		--			5.7	5.3 - 6.1	27,400
White	↑	44.5	39.0 - 50.0	1,000	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	♦	13.2	9.0 - 17.4	300	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	♦	35.2	29.9 - 40.5	800	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	30.5	25.4 - 35.7	700	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	♦	34.8	29.4 - 40.2	800	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	34.3	29.2 - 39.5	800	41.0	39.5 - 42.4	188,800
101-200%	♦	23.2	18.3 - 28.1	500	20.8	19.4 - 22.2	96,000
> 200%	♦	42.5	37.0 - 48.0	1,000	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Yolo County was 376. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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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A close-up photograph of a woman with dark hair holding a baby. The woman is looking down at the baby with a gentle expression. The baby is wearing a pink and white striped shirt and white pants. The background is softly blurred, showing what appears to be a window with light coming through. An orange banner is overlaid on the right side of the image, containing the title text.

## Regional Data Snapshots

*"I have severe postpartum depression. It costs a lot of money for therapy and medication. When having PPD it's hard to even think much less pick up the phone to call for help. Having more available resources for PPD would help. Waiting for a phone call back is very hard too once you made the phone call for help. Hospitals should provide info on PPD and where to get help..."*

— MIHA 2013 Respondent





# MIHA Data Snapshot, Central Coast Region, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		Central Coast Region			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	90.8	89.2 - 92.5	25,900	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.9	1.9 - 3.9	800	2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.7	1.6 - 3.7	700	2.5	2.0 - 2.9	11,900
Asthma†	♦	8.5	6.7 - 10.4	2,400	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	32.1	29.5 - 34.7	9,200	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	27.1	24.4 - 29.7	6,900	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	21.7	19.1 - 24.3	5,500	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	16.3	14.0 - 18.5	3,700	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	44.9	41.7 - 48.0	10,100	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	✗	19.5	17.3 - 21.8	5,500	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	8.3	6.5 - 10.0	2,400	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	15.7	13.6 - 17.8	4,500	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	15.1	13.0 - 17.3	4,300	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	26.8	24.1 - 29.4	7,500	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.6	2.5 - 4.6	1,000	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	6.5	4.9 - 8.0	1,800	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	16.6	14.3 - 18.9	4,700	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	13.5	11.6 - 15.5	3,800	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	6.2	4.8 - 7.6	1,800	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	4.4	3.3 - 5.6	1,300	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✓	7.7	6.3 - 9.1	2,200	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✓	1.7	0.9 - 2.5	500	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✓	3.3	2.2 - 4.3	900	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	15.4	13.3 - 17.5	4,400	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	7.7	6.2 - 9.2	2,200	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	28.3	25.8 - 30.9	8,100	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	12.0	10.2 - 13.8	3,400	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	83.8	81.5 - 86.2	23,500	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	✓	83.2	81.2 - 85.3	23,500	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	40.2	37.4 - 43.0	11,300	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	94.0	92.5 - 95.4	26,500	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	66.8	64.1 - 69.6	18,900	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	87.7	85.8 - 89.7	24,400	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	49.7	46.7 - 52.6	13,500	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	72.2	69.0 - 75.3	15,400	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	34.2	31.0 - 37.4	7,200	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Central Coast Region, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Central Coast Region			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	70.6	68.0 - 73.1	20,100	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	88.7	86.9 - 90.4	24,800	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	88.2	86.2 - 90.2	25,000	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	14.1	12.0 - 16.3	4,000	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	♦	54.7	51.9 - 57.6	15,200	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	♦	23.3	20.9 - 25.6	6,600	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	21.3	19.1 - 23.5	6,100	24.5	23.1 - 25.8	119,600
Uninsured	↑	28.8	26.2 - 31.4	8,200	24.0	22.6 - 25.4	117,500
Private	♦	44.6	41.8 - 47.4	12,700	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	53.2	50.3 - 56.1	15,100	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.8	1.0 - 2.7	500	1.6	1.2 - 2.0	7,900
Private	↓	39.6	36.7 - 42.4	11,300	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	32.3	29.8 - 34.9	9,100	36.2	34.7 - 37.6	175,700
Uninsured	↑	22.0	19.6 - 24.5	6,200	15.0	13.8 - 16.2	72,800
Private	↓	41.3	38.4 - 44.1	11,700	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	55.5	52.7 - 58.4	15,600	52.2	50.9 - 53.6	250,400
Uninsured	♦	1.8	0.9 - 2.6	500	2.9	2.2 - 3.5	13,700
Private	↓	36.7	33.9 - 39.5	10,300	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	6.6	5.0 - 8.1	1,900	5.6	4.9 - 6.4	27,500
20-34	♦	75.4	72.9 - 77.9	21,500	74.5	73.0 - 76.0	365,300
35+	♦	18.0	15.9 - 20.2	5,200	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↑	22.1	19.9 - 24.4	6,300	16.5	15.2 - 17.7	79,900
Unmarried	♦	41.2	38.4 - 44.0	11,700	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	61.8	59.1 - 64.6	17,600	49.2	47.7 - 50.7	236,500
Black	↓	1.1	0.9 - 1.2	300	5.7	5.3 - 6.1	27,400
White	↑	32.3	29.7 - 34.9	9,200	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	4.6	3.1 - 6.1	1,300	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	♦	39.9	37.1 - 42.7	11,400	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↑	36.1	33.4 - 38.9	10,200	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	28.9	26.5 - 31.2	7,900	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	♦	43.3	40.4 - 46.2	11,500	41.0	39.5 - 42.4	188,800
101-200%	♦	20.5	18.1 - 22.9	5,400	20.8	19.4 - 22.2	96,000
> 200%	♦	36.2	33.4 - 39.1	9,600	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Central Coast Region was 1,963. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the region was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Greater Sacramento Region, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

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

		Greater Sacramento Region			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	93.0	91.1 - 94.9	27,200	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	1.8	0.9 - 2.8	500	2.3	1.8 - 2.8	10,900
Hypertension†	♦	3.6	2.1 - 5.0	1,000	2.5	2.0 - 2.9	11,900
Asthma†	♦	9.8	7.6 - 12.0	2,800	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	34.1	30.4 - 37.8	10,000	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	26.5	23.0 - 30.1	7,600	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	21.2	17.9 - 24.5	6,000	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	14.5	11.5 - 17.5	3,700	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	45.0	40.9 - 49.2	11,500	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	14.1	11.4 - 16.8	4,100	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	7.7	5.7 - 9.6	2,200	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	11.8	9.3 - 14.2	3,400	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	11.9	9.5 - 14.3	3,400	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	27.0	23.6 - 30.4	7,800	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.1	1.8 - 4.4	900	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	7.6	5.5 - 9.7	2,200	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	12.6	10.0 - 15.2	3,700	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	11.7	9.5 - 14.0	3,400	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	7.1	5.2 - 9.0	2,100	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.1	1.8 - 4.4	900	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	13.9	11.3 - 16.6	4,000	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	3.2	2.0 - 4.3	900	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✗	8.6	6.4 - 10.8	2,500	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	17.5	14.6 - 20.3	5,000	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	7.7	5.9 - 9.5	2,200	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	29.8	26.1 - 33.4	8,700	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	13.9	11.3 - 16.5	4,100	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	✓	84.7	82.1 - 87.4	24,000	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	81.3	78.3 - 84.3	23,300	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	34.8	31.1 - 38.5	10,000	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	91.7	89.4 - 94.0	26,500	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	72.4	68.8 - 75.9	20,900	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	84.5	81.7 - 87.4	24,200	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	52.2	48.3 - 56.2	14,600	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	♦	68.6	64.4 - 72.9	14,300	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	33.8	29.5 - 38.0	7,000	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Greater Sacramento Region, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Greater Sacramento Region			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	71.4	67.8 - 74.9	20,800	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	89.9	87.4 - 92.4	25,800	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	87.4	84.9 - 89.9	25,500	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	12.8	10.2 - 15.5	3,700	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	♦	51.8	48.7 - 54.8	14,900	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	29.5	26.1 - 32.9	8,500	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	♦	26.4	23.3 - 29.6	7,700	24.5	23.1 - 25.8	119,600
Uninsured	↓	19.6	16.6 - 22.6	5,700	24.0	22.6 - 25.4	117,500
Private	↑	51.4	48.3 - 54.6	15,000	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	♦	48.0	44.9 - 51.2	14,000	49.7	48.4 - 51.0	242,800
Uninsured	↓	0.3 *	0.0 - 0.7	100	1.6	1.2 - 2.0	7,900
Private	↑	47.9	44.8 - 51.1	14,000	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	♦	37.9	34.5 - 41.2	11,000	36.2	34.7 - 37.6	175,700
Uninsured	♦	12.3	9.7 - 14.9	3,600	15.0	13.8 - 16.2	72,800
Private	♦	47.8	44.6 - 50.9	13,900	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	♦	50.3	46.9 - 53.7	14,500	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.0	1.1 - 2.9	600	2.9	2.2 - 3.5	13,700
Private	♦	44.5	41.2 - 47.8	12,800	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	4.7	3.0 - 6.5	1,400	5.6	4.9 - 6.4	27,500
20-34	↑	78.6	75.4 - 81.7	23,000	74.5	73.0 - 76.0	365,300
35+	↓	16.7	13.9 - 19.5	4,900	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↓	11.2	8.6 - 13.8	3,200	16.5	15.2 - 17.7	79,900
Unmarried	♦	39.6	35.9 - 43.4	11,600	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	27.7	24.3 - 31.1	8,100	49.2	47.7 - 50.7	236,500
Black	↑	8.2	7.0 - 9.4	2,400	5.7	5.3 - 6.1	27,400
White	↑	47.5	43.8 - 51.2	13,900	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	♦	15.8	12.5 - 19.2	4,600	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	28.7	25.1 - 32.3	8,400	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	22.6	19.2 - 26.0	6,500	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	♦	36.5	32.9 - 40.2	10,400	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	♦	38.0	34.4 - 41.6	10,500	41.0	39.5 - 42.4	188,800
101-200%	♦	22.7	19.2 - 26.3	6,300	20.8	19.4 - 22.2	96,000
> 200%	♦	39.2	36.2 - 42.3	10,800	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Greater Sacramento Region was 1,616. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the region was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, North/Mountain Region, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

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

		North/Mountain Region			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	✗	88.5	85.5 - 91.6	11,400	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.6	1.3 - 3.9	300	2.3	1.8 - 2.8	10,900
Hypertension†	✗	5.0	3.0 - 7.0	600	2.5	2.0 - 2.9	11,900
Asthma†	✗	10.6	8.2 - 13.0	1,400	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	♦	29.4	25.6 - 33.1	3,800	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	22.9	19.4 - 26.5	2,800	24.7	23.2 - 26.2	114,900
Obese before pregnancy	♦	20.0	16.7 - 23.3	2,500	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	✓	12.6	9.6 - 15.5	1,400	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	✗	50.6	46.1 - 55.0	5,500	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	✗	23.0	19.3 - 26.7	2,900	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	✗	10.0	7.5 - 12.5	1,300	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	16.9	13.7 - 20.1	2,200	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	✗	17.1	13.9 - 20.3	2,200	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✗	37.5	33.3 - 41.6	4,700	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	✗	6.4	4.2 - 8.5	800	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	8.9	6.6 - 11.2	1,100	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	14.9	12.0 - 17.9	1,900	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	✗	14.8	11.9 - 17.8	1,900	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	9.6	6.9 - 12.3	1,200	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	3.7	2.2 - 5.2	500	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✗	26.9	23.3 - 30.5	3,500	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✗	11.5	8.9 - 14.1	1,500	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✗	17.4	14.3 - 20.6	2,200	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	✗	21.9	18.5 - 25.3	2,800	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	♦	6.8	5.0 - 8.7	900	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	31.5	27.5 - 35.5	4,100	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	✗	16.4	13.3 - 19.6	2,100	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	✓	86.1	83.5 - 88.7	10,800	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	79.1	75.8 - 82.4	10,000	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	41.4	37.3 - 45.5	5,200	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	92.8	90.3 - 95.3	11,800	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	78.7	75.2 - 82.3	10,000	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	♦	85.4	82.4 - 88.4	10,700	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	58.4	54.3 - 62.6	7,200	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	74.3	70.1 - 78.6	7,100	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	42.3	37.5 - 47.1	3,900	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, North/Mountain Region, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		North/Mountain Region			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↓	63.5	59.5 - 67.6	8,200	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↓	82.2	78.5 - 85.9	10,500	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	♦	85.1	82.0 - 88.2	10,900	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	13.8	10.9 - 16.7	1,700	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	59.3	55.3 - 63.4	7,500	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	34.3	30.4 - 38.3	4,400	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	35.0	31.0 - 39.1	4,500	24.5	23.1 - 25.8	119,600
Uninsured	♦	24.0	20.3 - 27.6	3,100	24.0	22.6 - 25.4	117,500
Private	↓	37.2	33.3 - 41.0	4,800	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	65.3	61.6 - 69.0	8,400	49.7	48.4 - 51.0	242,800
Uninsured	↓	0.6 *	0.3 - 1.0	100	1.6	1.2 - 2.0	7,900
Private	↓	29.6	26.1 - 33.1	3,800	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	54.8	50.8 - 58.8	7,000	36.2	34.7 - 37.6	175,700
Uninsured	↓	10.8	8.5 - 13.2	1,400	15.0	13.8 - 16.2	72,800
Private	↓	32.9	29.3 - 36.6	4,200	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	69.5	65.9 - 73.0	8,700	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.5	1.3 - 3.8	300	2.9	2.2 - 3.5	13,700
Private	↓	26.1	22.8 - 29.4	3,300	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	7.2	4.8 - 9.6	900	5.6	4.9 - 6.4	27,500
20-34	↑	79.9	76.6 - 83.3	10,300	74.5	73.0 - 76.0	365,300
35+	↓	12.8	10.2 - 15.5	1,700	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	13.5	10.6 - 16.4	1,700	16.5	15.2 - 17.7	79,900
Unmarried	↑	50.5	46.4 - 54.6	6,400	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	20.5	16.7 - 24.4	2,700	49.2	47.7 - 50.7	236,500
Black	↓	1.2	0.9 - 1.5	200	5.7	5.3 - 6.1	27,400
White	↑	70.6	66.7 - 74.5	9,100	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	3.0	1.7 - 4.2	400	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	12.2	9.3 - 15.0	1,600	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	10.4	7.6 - 13.2	1,300	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	♦	41.2	37.0 - 45.4	4,900	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	47.0	42.8 - 51.1	5,800	41.0	39.5 - 42.4	188,800
101-200%	↑	26.2	22.4 - 29.9	3,200	20.8	19.4 - 22.2	96,000
> 200%	↓	26.9	23.5 - 30.2	3,300	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of North/Mountain Region was 1,381. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the region was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, San Francisco Bay Area, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

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

		San Francisco Bay Area			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	✓	94.9	93.9 - 95.9	81,200	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	†	2.0	1.4 - 2.5	1,700	2.3	1.8 - 2.8	10,900
Hypertension†	✓	1.7	1.2 - 2.2	1,500	2.5	2.0 - 2.9	11,900
Asthma†	†	8.1	6.8 - 9.4	6,900	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✓	38.4	35.8 - 41.1	32,900	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	†	22.9	20.7 - 25.2	18,700	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✓	16.0	14.1 - 17.8	13,000	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	†	18.5	16.2 - 20.8	13,500	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	†	41.0	38.1 - 44.0	29,900	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	✓	12.8	11.3 - 14.4	10,900	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	†	5.9	4.6 - 7.2	5,000	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	†	13.3	11.6 - 15.0	11,400	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	†	12.2	10.5 - 13.9	10,400	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✓	20.3	18.3 - 22.3	17,200	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	†	2.9	2.3 - 3.5	2,500	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	✓	5.1	4.2 - 6.0	4,400	6.9	6.0 - 7.7	33,600
Woman or partner lost job	✓	11.5	9.8 - 13.2	9,800	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	†	11.5	9.7 - 13.3	9,800	11.8	10.7 - 12.8	57,100
Became separated or divorced	✓	4.8	3.9 - 5.7	4,100	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	†	4.0	3.0 - 5.1	3,500	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	✓	8.7	7.5 - 10.0	7,400	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✓	1.9	1.4 - 2.4	1,600	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✓	4.1	3.3 - 4.9	3,500	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	†	13.6	11.7 - 15.4	11,500	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✗	10.9	9.1 - 12.7	9,300	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	✓	25.1	22.9 - 27.3	21,500	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	✓	11.2	9.6 - 12.7	9,500	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	†	81.4	79.2 - 83.6	68,500	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	†	82.0	79.7 - 84.4	69,200	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	†	35.2	32.6 - 37.7	29,700	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	✓	94.8	93.6 - 95.9	80,000	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✓	69.7	67.3 - 72.2	58,900	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✓	89.2	87.6 - 90.8	75,000	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✓	50.0	47.2 - 52.8	41,300	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✓	77.0	74.5 - 79.5	52,100	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✓	36.3	33.2 - 39.4	24,200	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, San Francisco Bay Area, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		San Francisco Bay Area			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↑	77.1	74.9 - 79.4	66,100	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	♦	91.0	89.7 - 92.3	76,900	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↑	93.0	91.7 - 94.3	79,700	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	↓	10.4	8.8 - 12.0	8,700	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↓	36.8	34.9 - 38.6	30,600	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↓	15.4	13.9 - 16.8	13,100	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↓	18.6	16.9 - 20.2	15,900	24.5	23.1 - 25.8	119,600
Uninsured	↓	14.8	13.3 - 16.3	12,600	24.0	22.6 - 25.4	117,500
Private	↑	63.5	61.5 - 65.4	54,200	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↓	34.7	32.8 - 36.5	29,600	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.6	1.1 - 2.2	1,400	1.6	1.2 - 2.0	7,900
Private	↑	61.3	59.4 - 63.2	52,400	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↓	25.4	23.6 - 27.1	21,600	36.2	34.7 - 37.6	175,700
Uninsured	↓	9.0	7.7 - 10.2	7,600	15.0	13.8 - 16.2	72,800
Private	↑	62.7	60.7 - 64.6	53,500	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↓	36.0	34.2 - 37.9	30,300	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.6	1.8 - 3.4	2,200	2.9	2.2 - 3.5	13,700
Private	↑	58.8	56.9 - 60.8	49,500	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	↓	3.2	2.5 - 3.9	2,700	5.6	4.9 - 6.4	27,500
20-34	↓	69.8	67.2 - 72.3	59,800	74.5	73.0 - 76.0	365,300
35+	↑	27.1	24.6 - 29.5	23,200	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↓	11.3	10.0 - 12.6	9,600	16.5	15.2 - 17.7	79,900
Unmarried	↓	30.3	28.3 - 32.2	25,800	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↓	31.9	29.8 - 34.0	26,300	49.2	47.7 - 50.7	236,500
Black	♦	6.0	5.6 - 6.5	5,000	5.7	5.3 - 6.1	27,400
White	↑	32.5	30.0 - 35.0	26,900	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↑	29.3	26.6 - 32.0	24,200	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↑	46.0	43.4 - 48.7	39,400	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↑	35.4	32.8 - 38.0	29,600	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↓	18.2	16.3 - 20.1	15,200	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↓	26.0	24.2 - 27.7	21,000	41.0	39.5 - 42.4	188,800
101-200%	↓	16.5	14.7 - 18.3	13,300	20.8	19.4 - 22.2	96,000
> 200%	↑	57.5	55.4 - 59.7	46,500	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of San Francisco Bay Area was 3,537. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the region was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, San Joaquin Valley, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

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

		San Joaquin Valley			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	✗	89.8	88.1 - 91.6	56,400	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.3	1.7 - 2.9	1,500	2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.5	1.8 - 3.2	1,600	2.5	2.0 - 2.9	11,900
Asthma†	♦	8.7	7.2 - 10.3	5,400	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✗	28.7	26.2 - 31.2	18,000	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	26.6	24.2 - 29.0	15,800	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✗	27.5	25.0 - 29.9	16,300	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	16.9	14.5 - 19.3	8,600	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	✗	45.2	42.3 - 48.1	23,000	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	♦	18.6	16.5 - 20.7	11,600	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	8.4	7.0 - 9.7	5,300	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	15.5	13.6 - 17.5	9,700	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	✗	15.0	13.2 - 16.9	9,400	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	✗	30.1	27.5 - 32.6	18,400	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	2.8	2.0 - 3.7	1,800	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	♦	7.4	6.0 - 8.7	4,600	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	15.0	13.1 - 17.0	9,400	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	12.5	10.6 - 14.3	7,800	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	9.0	7.5 - 10.6	5,600	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	4.1	3.0 - 5.1	2,600	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	13.2	11.3 - 15.1	8,300	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	✗	4.8	3.6 - 6.0	3,000	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	✗	7.7	6.3 - 9.1	4,800	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	14.8	12.9 - 16.8	9,200	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✓	3.2	2.5 - 4.0	2,000	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	33.7	31.2 - 36.2	21,100	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	✗	14.9	12.9 - 16.9	9,300	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	81.9	79.7 - 84.0	50,200	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	77.5	75.3 - 79.7	47,700	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	✗	38.0	35.4 - 40.6	23,400	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	✗	88.4	86.7 - 90.1	54,400	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	✗	56.3	53.6 - 59.0	34,700	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✗	73.7	71.4 - 76.1	45,000	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✗	37.4	34.8 - 40.0	22,500	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✗	52.5	49.4 - 55.7	24,500	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✗	20.5	18.2 - 22.8	9,400	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, San Joaquin Valley, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		San Joaquin Valley			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	↓	67.3	64.7 - 69.9	42,200	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↓	85.8	83.8 - 87.8	53,200	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↓	85.3	83.5 - 87.2	53,500	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	♦	12.8	10.9 - 14.6	7,800	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	70.6	68.7 - 72.6	44,000	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	41.5	38.9 - 44.1	26,000	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	↑	39.7	37.1 - 42.3	24,900	24.5	23.1 - 25.8	119,600
Uninsured	♦	25.9	23.5 - 28.3	16,200	24.0	22.6 - 25.4	117,500
Private	↓	31.7	29.6 - 33.8	19,900	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	67.7	65.7 - 69.7	42,500	49.7	48.4 - 51.0	242,800
Uninsured	♦	1.9	1.2 - 2.7	1,200	1.6	1.2 - 2.0	7,900
Private	↓	27.3	25.4 - 29.2	17,100	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	53.4	50.9 - 55.9	33,400	36.2	34.7 - 37.6	175,700
Uninsured	♦	14.6	12.5 - 16.6	9,100	15.0	13.8 - 16.2	72,800
Private	↓	29.4	27.4 - 31.5	18,400	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	68.8	66.7 - 71.0	42,100	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.8	1.9 - 3.6	1,700	2.9	2.2 - 3.5	13,700
Private	↓	25.7	23.7 - 27.7	15,700	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	↑	8.7	7.1 - 10.2	5,400	5.6	4.9 - 6.4	27,500
20-34	↑	78.6	76.3 - 80.9	49,500	74.5	73.0 - 76.0	365,300
35+	↓	12.7	10.8 - 14.6	8,000	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	↑	21.7	19.4 - 24.1	13,400	16.5	15.2 - 17.7	79,900
Unmarried	↑	50.1	47.5 - 52.7	31,400	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	61.4	59.0 - 63.9	38,400	49.2	47.7 - 50.7	236,500
Black	↓	4.8	4.5 - 5.2	3,000	5.7	5.3 - 6.1	27,400
White	↓	25.3	23.2 - 27.4	15,800	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	7.9	6.2 - 9.6	4,900	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	30.3	27.8 - 32.8	19,100	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	♦	28.1	25.6 - 30.6	17,500	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↑	63.8	61.4 - 66.3	38,200	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	56.4	53.9 - 59.0	33,600	41.0	39.5 - 42.4	188,800
101-200%	♦	21.7	19.4 - 24.1	12,900	20.8	19.4 - 22.2	96,000
> 200%	↓	21.8	20.0 - 23.6	13,000	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of San Joaquin Valley was 2,996. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the region was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, Southeastern California, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

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

		Southeastern California			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Status Before Pregnancy</b>							
In good to excellent health	♦	91.3	88.8 - 93.8	57,500	92.4	91.5 - 93.3	452,800
Chronic conditions							
Diabetes†	♦	2.2	1.0 - 3.5	1,400	2.3	1.8 - 2.8	10,900
Hypertension†	♦	2.6	1.5 - 3.7	1,600	2.5	2.0 - 2.9	11,900
Asthma†	♦	8.8	6.6 - 11.1	5,500	7.8	7.0 - 8.6	37,500
<b>Nutrition and Weight</b>							
Daily folic acid use, month before pregnancy	✗	28.3	24.5 - 32.2	17,800	32.7	31.1 - 34.3	159,900
Overweight before pregnancy	♦	26.9	23.0 - 30.9	16,400	24.7	23.2 - 26.2	114,900
Obese before pregnancy	✗	23.9	20.1 - 27.7	14,500	20.3	18.9 - 21.7	94,400
Inadequate weight gain during pregnancy	♦	17.5	13.9 - 21.0	9,300	17.7	16.2 - 19.2	72,900
Excessive weight gain during pregnancy	♦	45.0	40.4 - 49.7	23,900	41.4	39.5 - 43.2	170,100
Food insecurity during pregnancy	✗	21.3	17.7 - 24.8	13,300	16.6	15.4 - 17.9	80,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>							
Physical or psychological IPV during pregnancy	♦	7.7	5.3 - 10.1	4,900	7.1	6.2 - 7.9	34,500
Prenatal depressive symptoms	♦	15.2	12.2 - 18.1	9,500	14.1	12.9 - 15.3	68,900
Postpartum depressive symptoms	♦	14.1	11.3 - 17.0	8,900	13.0	11.8 - 14.1	63,200
<b>Hardships and Support during Pregnancy</b>							
Experienced two or more hardships during childhood	♦	27.1	23.3 - 30.9	16,600	25.3	23.8 - 26.7	121,600
Homeless or did not have a regular place to sleep	♦	3.5	2.1 - 4.9	2,200	2.9	2.4 - 3.4	14,000
Moved due to problems paying rent or mortgage	✗	9.3	6.8 - 11.8	5,900	6.9	6.0 - 7.7	33,600
Woman or partner lost job	♦	17.1	13.9 - 20.3	10,700	14.6	13.4 - 15.8	71,000
Woman or partner had pay or hours cut back	♦	12.1	9.5 - 14.8	7,600	11.8	10.7 - 12.8	57,100
Became separated or divorced	♦	9.1	6.9 - 11.4	5,700	7.6	6.7 - 8.5	37,000
Had no practical or emotional support	♦	4.6	2.9 - 6.2	2,900	4.4	3.7 - 5.2	21,700
<b>Substance Use</b>							
Any smoking, 3 months before pregnancy	♦	12.0	9.4 - 14.7	7,500	11.6	10.5 - 12.7	56,500
Any smoking, 3rd trimester†	♦	2.8	1.5 - 4.0	1,700	2.9	2.3 - 3.4	13,900
Any smoking, postpartum	♦	6.3	4.3 - 8.3	4,000	5.6	4.8 - 6.3	27,300
Any binge drinking, 3 months before pregnancy	♦	15.1	12.0 - 18.3	9,400	15.1	13.8 - 16.3	72,900
Any alcohol use, 3rd trimester†	✓	4.1	2.4 - 5.7	2,500	7.6	6.6 - 8.6	37,000
<b>Pregnancy Intention and Family Planning</b>							
Mistimed or unwanted pregnancy	♦	33.8	29.7 - 37.8	21,100	31.2	29.6 - 32.8	151,800
Unsure of pregnancy intentions	♦	15.7	12.5 - 18.9	9,800	12.9	11.8 - 14.0	62,700
Postpartum birth control use†	♦	79.8	76.2 - 83.4	49,100	81.6	80.3 - 83.0	390,200
<b>Infant Sleep and Breastfeeding</b>							
Placed infant on back to sleep	♦	79.9	76.6 - 83.2	49,400	79.7	78.3 - 81.1	383,200
Infant always or often shared bed	♦	35.8	31.6 - 40.0	22,100	34.1	32.5 - 35.7	163,700
Intended to breastfeed, before birth	♦	91.6	89.3 - 93.9	57,000	92.4	91.5 - 93.4	444,100
Intended to breastfeed exclusively, before birth	♦	61.8	57.6 - 66.0	38,500	64.2	62.6 - 65.9	308,500
Breastfeeding practices							
Any breastfeeding, 1 month after delivery	✗	80.4	77.1 - 83.8	49,300	83.5	82.3 - 84.8	398,500
Exclusive breastfeeding, 1 month after delivery	✗	35.8	31.6 - 40.0	21,600	42.7	41.0 - 44.4	200,700
Any breastfeeding, 3 months after delivery	✗	60.1	55.2 - 64.9	28,100	66.2	64.3 - 68.2	244,200
Exclusive breastfeeding, 3 months after delivery	✗	22.3	18.2 - 26.4	10,300	27.4	25.7 - 29.1	99,800



# MIHA Data Snapshot, Southeastern California, 2013-2014

## Maternal and Infant Health Assessment (MIHA) Survey

↑ higher than rest of California ↓ lower than rest of California ♦ no statistical difference

		Southeastern California			California		
		%	95% CI	Population Estimate	%	95% CI	Population Estimate
<b>Health Care Utilization and Public Program Participation</b>							
Had a usual source of pre-pregnancy care	♦	67.0	63.0 - 70.9	42,100	70.4	68.8 - 71.9	344,100
Initiated prenatal care in 1st trimester	↓	85.7	82.7 - 88.7	52,700	89.7	88.7 - 90.6	433,500
Had a postpartum medical visit	↓	82.9	79.7 - 86.2	52,000	87.5	86.4 - 88.7	427,500
Mom or infant needed but couldn't afford care postpartum	↑	16.0	12.9 - 19.2	9,900	12.6	11.4 - 13.7	59,700
Participated in WIC during pregnancy†	↑	60.8	57.8 - 63.8	37,800	54.1	52.9 - 55.4	259,300
Received CalFresh (food stamps) during pregnancy	↑	30.6	26.9 - 34.2	19,200	24.9	23.6 - 26.3	121,000
<b>Health Insurance Coverage</b>							
Pre-pregnancy insurance							
Medi-Cal	♦	25.1	21.5 - 28.6	15,800	24.5	23.1 - 25.8	119,600
Uninsured	↑	29.0	25.2 - 32.7	18,200	24.0	22.6 - 25.4	117,500
Private	↓	40.8	37.1 - 44.5	25,700	47.5	46.2 - 48.9	232,500
Prenatal insurance							
Medi-Cal	↑	55.6	52.1 - 59.0	34,900	49.7	48.4 - 51.0	242,800
Uninsured	♦	2.5	1.1 - 3.9	1,600	1.6	1.2 - 2.0	7,900
Private	↓	36.5	33.1 - 39.9	23,000	44.5	43.1 - 45.8	217,100
Maternal postpartum insurance							
Medi-Cal	↑	41.3	37.4 - 45.1	25,800	36.2	34.7 - 37.6	175,700
Uninsured	♦	16.3	13.2 - 19.5	10,200	15.0	13.8 - 16.2	72,800
Private	↓	39.0	35.4 - 42.6	24,400	45.7	44.3 - 47.0	221,900
Infant health insurance							
Medi-Cal	↑	60.9	57.5 - 64.3	37,400	52.2	50.9 - 53.6	250,400
Uninsured	♦	2.8	1.4 - 4.2	1,700	2.9	2.2 - 3.5	13,700
Private	↓	32.2	28.9 - 35.5	19,800	41.3	40.0 - 42.6	198,000
<b>Maternal Demographics</b>							
Age							
15-19	♦	7.2	5.1 - 9.3	4,500	5.6	4.9 - 6.4	27,500
20-34	↑	78.5	75.1 - 82.0	49,500	74.5	73.0 - 76.0	365,300
35+	↓	14.3	11.3 - 17.2	9,000	19.9	18.5 - 21.3	97,400
Did not complete high school (or GED)	♦	16.4	13.1 - 19.6	10,200	16.5	15.2 - 17.7	79,900
Unmarried	↑	47.3	43.2 - 51.3	29,600	40.9	39.4 - 42.4	199,000
Race/Ethnicity							
Hispanic	↑	60.3	56.5 - 64.2	37,800	49.2	47.7 - 50.7	236,500
Black	↑	7.4	6.4 - 8.4	4,600	5.7	5.3 - 6.1	27,400
White	↓	25.5	21.9 - 29.0	16,000	29.3	27.9 - 30.7	140,900
Asian/Pacific Islander	↓	6.5	3.8 - 9.1	4,100	15.3	13.9 - 16.7	73,700
Nativity and Language							
Born outside the U.S.	↓	28.0	23.9 - 32.1	17,600	37.9	36.2 - 39.6	185,700
Speaks non-English language at home	↓	19.8	16.6 - 23.0	12,400	30.1	28.5 - 31.7	144,800
Lives in a high poverty neighborhood	↑	43.2	38.9 - 47.6	26,000	38.9	37.3 - 40.5	182,900
Income as a percent of the Federal Poverty Guideline							
0-100%	↑	48.3	44.4 - 52.2	29,200	41.0	39.5 - 42.4	188,800
101-200%	♦	23.1	19.5 - 26.8	14,000	20.8	19.4 - 22.2	96,000
> 200%	↓	28.5	25.3 - 31.8	17,200	38.2	36.9 - 39.6	176,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. The sample size of Southeastern California was 1,134. 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 2013-2014. Population estimate is a two-year average. Symbols indicate whether the health indicator in the region was statistically different from the rest of the state (p-value < 0.05, chi-square test). 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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# Statewide Data Snapshots

*“Que en los hospitales haya personal que hablan los dos idiomas. Porque a causa de que no hablaba inglés hubo confusión al momento de ponerme la inyección en la cadera. Me la pusieron dos veces y tengo dolor aun.”*

— MIHA 2014 Respondedora

## *Translation*

*“Hospitals should have bilingual staff. Because I could not speak English, there was confusion at the moment I received the injection on my hip. They injected me twice and I still have pain.”*

— MIHA 2014 Respondent





# MIHA Data Snapshot, California by Maternal Age, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California			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		490,200	5.6	4.9 - 6.4	27,500	74.5	73.0 - 76.0	365,300	19.9	18.5 - 21.3	97,400
<b>Health Status before Pregnancy</b>												
In good to excellent health	92.4	91.5 - 93.3	452,800	86.1	80.5 - 91.6	23,700	92.4	91.3 - 93.5	337,300	94.4	93.0 - 95.8	91,800
Chronic conditions												
Diabetes†	2.3	1.8 - 2.8	10,900	--			2.0	1.5 - 2.6	7,300	3.0	1.7 - 4.2	2,800
Hypertension†	2.5	2.0 - 2.9	11,900	1.2*	0.1 - 2.3	300	2.1	1.6 - 2.6	7,500	4.2	2.7 - 5.7	4,000
Asthma†	7.8	7.0 - 8.6	37,500	12.7	8.9 - 16.6	3,400	7.9	6.9 - 8.9	28,400	6.0	4.3 - 7.7	5,700
<b>Nutrition and Weight</b>												
Daily folic acid use, month before pregnancy	32.7	31.1 - 34.3	159,900	15.2	11.4 - 18.9	4,200	30.7	28.8 - 32.5	111,800	45.2	41.2 - 49.2	44,000
Overweight before pregnancy	24.7	23.2 - 26.2	114,900	22.1	16.1 - 28.2	5,900	25.8	24.0 - 27.5	89,100	21.5	18.4 - 24.6	19,900
Obese before pregnancy	20.3	18.9 - 21.7	94,400	11.9	7.2 - 16.7	3,200	20.5	18.9 - 22.1	70,900	22.0	18.7 - 25.3	20,400
Inadequate weight gain during pregnancy	17.7	16.2 - 19.2	72,900	16.0	10.6 - 21.5	3,800	18.5	16.7 - 20.3	57,000	15.1	12.1 - 18.2	12,000
Excessive weight gain during pregnancy	41.4	39.5 - 43.2	170,100	55.8	48.2 - 63.3	13,100	39.4	37.3 - 41.5	121,300	44.9	40.4 - 49.3	35,700
Food insecurity during pregnancy	16.6	15.4 - 17.9	80,500	20.7	15.3 - 26.1	5,600	17.9	16.3 - 19.4	64,500	10.8	8.6 - 13.0	10,400
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>												
Physical or psychological IPV during pregnancy	7.1	6.2 - 7.9	34,500	17.7	13.2 - 22.2	4,900	7.0	6.0 - 8.0	25,400	4.4	2.9 - 5.9	4,300
Prenatal depressive symptoms	14.1	12.9 - 15.3	68,900	16.1	11.7 - 20.6	4,400	14.0	12.7 - 15.4	51,200	13.7	11.0 - 16.4	13,300
Postpartum depressive symptoms	13.0	11.8 - 14.1	63,200	14.1	9.0 - 19.2	3,900	13.0	11.7 - 14.3	47,300	12.4	9.9 - 14.9	12,000
<b>Hardships and Support during Pregnancy</b>												
Experienced two or more hardships during childhood	25.3	23.8 - 26.7	121,600	33.4	27.0 - 39.9	9,000	26.5	24.7 - 28.2	94,800	18.5	15.7 - 21.2	17,800
Homeless or did not have a regular place to sleep	2.9	2.4 - 3.4	14,000	5.6	3.4 - 7.9	1,500	3.0	2.3 - 3.6	10,800	1.8	1.1 - 2.6	1,700
Moved due to problems paying rent or mortgage	6.9	6.0 - 7.7	33,600	8.6	4.4 - 12.9	2,300	7.4	6.4 - 8.5	27,100	4.3	2.8 - 5.7	4,200
Woman or partner lost job	14.6	13.4 - 15.8	71,000	20.3	14.1 - 26.5	5,300	14.8	13.4 - 16.2	53,700	12.4	9.9 - 14.9	12,000
Woman or partner had pay or hours cut back	11.8	10.7 - 12.8	57,100	9.3	4.9 - 13.8	2,500	12.1	10.9 - 13.4	44,100	11.0	8.5 - 13.5	10,600
Became separated or divorced	7.6	6.7 - 8.5	37,000	18.8	13.3 - 24.4	5,100	7.1	6.1 - 8.2	25,900	6.2	4.3 - 8.1	6,000
Had no practical or emotional support	4.4	3.7 - 5.2	21,700	3.2*	1.3 - 5.1	900	4.4	3.6 - 5.3	16,100	4.8	3.1 - 6.5	4,700
<b>Substance Use</b>												
Any smoking, 3 months before pregnancy	11.6	10.5 - 12.7	56,500	12.1	7.9 - 16.3	3,300	12.6	11.3 - 13.9	45,800	7.7	5.8 - 9.6	7,400
Any smoking, 3rd trimester†	2.9	2.3 - 3.4	13,900	2.1*	0.7 - 3.4	600	3.4	2.6 - 4.1	12,200	1.2	0.7 - 1.7	1,200
Any smoking, postpartum	5.6	4.8 - 6.3	27,300	7.6	4.2 - 11.1	2,100	6.1	5.1 - 7.0	22,000	3.3	2.1 - 4.6	3,200
Any binge drinking, 3 months before pregnancy	15.1	13.8 - 16.3	72,900	9.5	5.7 - 13.3	2,600	16.3	14.9 - 17.8	58,700	11.9	9.2 - 14.6	11,500
Any alcohol use, 3rd trimester†	7.6	6.6 - 8.6	37,000	0.3*	0.1 - 0.6	100	7.2	6.1 - 8.3	26,200	11.1	8.6 - 13.6	10,700
<b>Pregnancy Intention and Family Planning</b>												
Mistimed or unwanted pregnancy	31.2	29.6 - 32.8	151,800	60.7	54.0 - 67.3	16,700	32.0	30.1 - 33.8	116,100	19.7	16.6 - 22.9	19,000
Unsure of pregnancy intentions	12.9	11.8 - 14.0	62,700	19.3	13.9 - 24.7	5,300	12.1	10.9 - 13.4	44,000	13.9	11.2 - 16.6	13,400
Postpartum birth control use†	81.6	80.3 - 83.0	390,200	82.5	77.5 - 87.6	22,100	82.9	81.4 - 84.5	294,900	76.4	72.9 - 79.9	73,200
<b>Infant Sleep and Breastfeeding</b>												
Placed infant on back to sleep	79.7	78.3 - 81.1	383,200	75.4	69.7 - 81.1	20,500	79.1	77.4 - 80.7	283,600	83.3	80.2 - 86.4	79,100
Infant always or often shared bed	34.1	32.5 - 35.7	163,700	35.0	28.9 - 41.1	9,500	34.4	32.5 - 36.3	123,200	32.8	29.0 - 36.5	31,000
Intended to breastfeed, before birth	92.4	91.5 - 93.4	444,100	87.8	83.1 - 92.6	24,000	92.4	91.4 - 93.4	330,700	94.0	92.0 - 95.9	89,400
Intended to breastfeed exclusively, before birth	64.2	62.6 - 65.9	308,500	55.3	48.4 - 62.2	15,100	64.8	62.9 - 66.7	232,000	64.5	60.6 - 68.4	61,400
Breastfeeding practices												
Any breastfeeding, 1 month after delivery	83.5	82.3 - 84.8	398,500	68.6	62.1 - 75.0	18,500	84.0	82.5 - 85.4	298,500	86.2	83.4 - 89.0	81,500
Exclusive breastfeeding, 1 month after delivery	42.7	41.0 - 44.4	200,700	40.4	33.4 - 47.4	10,800	44.4	42.4 - 46.4	155,400	37.1	33.2 - 40.9	34,400
Any breastfeeding, 3 months after delivery	66.2	64.3 - 68.2	244,200	37.5	29.7 - 45.4	8,100	66.1	63.9 - 68.3	183,000	75.7	71.5 - 79.8	53,100
Exclusive breastfeeding, 3 months after delivery	27.4	25.7 - 29.1	99,800	15.8	9.6 - 21.9	3,400	28.0	26.0 - 30.0	76,600	28.5	24.4 - 32.7	19,800



# MIHA Data Snapshot, California by Maternal Age, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California				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	70.4	68.8 - 71.9		344,100	65.0	58.4 - 71.7		17,900	68.0	66.1 - 69.8		247,500	80.9	77.7 - 84.1		78,700
Initiated prenatal care in 1st trimester	89.7	88.7 - 90.6		433,500	76.6	71.2 - 81.9		20,600	89.8	88.6 - 90.9		323,600	93.2	91.4 - 94.9		89,300
Had a postpartum medical visit	87.5	86.4 - 88.7		427,500	75.8	69.5 - 82.1		20,700	87.7	86.4 - 89.0		319,200	90.3	87.9 - 92.7		87,700
Mom or infant needed but couldn't afford care postpartum	12.6	11.4 - 13.7		59,700	11.4	8.1 - 14.8		3,100	13.4	12.0 - 14.8		47,600	9.7	7.7 - 11.8		9,100
Participated in WIC during pregnancy†	54.1	52.9 - 55.4		259,300	92.9	90.4 - 95.4		25,400	56.4	54.8 - 58.1		202,100	34.1	30.7 - 37.4		31,900
Received CalFresh (food stamps) during pregnancy	24.9	23.6 - 26.3		121,000	40.3	33.4 - 47.2		10,900	26.8	25.2 - 28.4		97,000	13.5	11.3 - 15.7		13,000
Pre-pregnancy insurance																
Medi-Cal	24.5	23.1 - 25.8		119,600	57.4	50.5 - 64.3		15,800	24.9	23.3 - 26.5		90,700	13.5	11.1 - 15.9		13,100
Uninsured	24.0	22.6 - 25.4		117,500	21.0	15.3 - 26.7		5,800	26.0	24.3 - 27.7		94,600	17.6	14.6 - 20.5		17,100
Private	47.5	46.2 - 48.9		232,500	18.1	12.5 - 23.7		5,000	44.9	43.2 - 46.6		163,700	65.7	62.1 - 69.2		63,800
Prenatal insurance																
Medi-Cal	49.7	48.4 - 51.0		242,800	84.2	78.8 - 89.7		23,100	52.0	50.3 - 53.7		189,300	31.2	27.9 - 34.6		30,300
Uninsured	1.6	1.2 - 2.0		7,900	1.7*	0.3 - 3.1		500	1.6	1.1 - 2.2		6,000	1.4*	0.5 - 2.3		1,400
Private	44.5	43.1 - 45.8		217,100	11.9	6.7 - 17.1		3,300	41.8	40.1 - 43.5		152,200	63.6	60.0 - 67.1		61,700
Maternal postpartum insurance																
Medi-Cal	36.2	34.7 - 37.6		175,700	79.0	73.8 - 84.3		21,700	37.5	35.7 - 39.3		135,600	19.1	16.2 - 21.9		18,400
Uninsured	15.0	13.8 - 16.2		72,800	9.6	6.5 - 12.8		2,600	15.7	14.2 - 17.2		57,000	13.7	11.1 - 16.2		13,200
Private	45.7	44.3 - 47.0		221,900	9.8	5.4 - 14.2		2,700	43.3	41.6 - 45.0		156,500	64.8	61.3 - 68.3		62,700
Infant health insurance																
Medi-Cal	52.2	50.9 - 53.6		250,400	90.1	85.7 - 94.4		24,500	54.7	53.0 - 56.4		195,500	32.1	28.8 - 35.5		30,400
Uninsured	2.9	2.2 - 3.5		13,700	3.9	1.7 - 6.2		1,100	3.0	2.3 - 3.8		10,800	1.9	0.9 - 3.0		1,800
Private	41.3	40.0 - 42.6		198,000	4.9*	1.1 - 8.7		1,300	38.4	36.7 - 40.1		137,200	62.7	59.2 - 66.3		59,400
<b>Maternal Demographics</b>																
Did not complete high school (or GED)	16.5	15.2 - 17.7		79,900	41.1	34.1 - 48.1		11,100	16.0	14.5 - 17.5		57,600	11.5	9.4 - 13.7		11,200
Unmarried	40.9	39.4 - 42.4		199,000	86.8	81.3 - 92.2		23,700	41.7	39.8 - 43.5		151,100	25.0	21.8 - 28.2		24,200
Race/Ethnicity																
Hispanic	49.2	47.7 - 50.7		236,500	78.8	74.3 - 83.2		21,500	49.9	48.1 - 51.8		178,900	38.0	34.3 - 41.6		36,100
Black	5.7	5.3 - 6.1		27,400	8.4	5.4 - 11.4		2,300	5.9	5.4 - 6.4		21,200	4.2	3.0 - 5.3		4,000
White	29.3	27.9 - 30.7		140,900	11.0	7.9 - 14.2		3,000	29.5	27.9 - 31.2		105,700	33.8	30.1 - 37.5		32,200
Asian/Pacific Islander	15.3	13.9 - 16.7		73,700	1.1*	0.4 - 1.9		300	14.1	12.6 - 15.7		50,600	23.9	19.9 - 27.9		22,700
Born outside the U.S.	37.9	36.2 - 39.6		185,700	14.9	10.1 - 19.6		4,100	36.0	34.0 - 37.9		131,400	51.6	47.6 - 55.5		50,200
Speaks non-English language at home	30.1	28.5 - 31.7		144,800	16.1	11.7 - 20.5		4,400	29.7	27.9 - 31.6		106,800	35.4	31.5 - 39.3		33,500
Lives in a high poverty neighborhood	38.9	37.3 - 40.5		182,900	60.5	53.9 - 67.1		15,800	40.0	38.1 - 41.9		140,000	28.8	25.2 - 32.5		27,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (N), i.e., numerator of the percent rounded to the nearest hundred, are weighted to represent all women with a live birth who resided in California in 2013-2014. Population estimate (N) is a two-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, California by Race/Ethnicity, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California			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		490,200	49.2	47.7 - 50.7	236,500	5.7	5.3 - 6.1	27,400	29.3	27.9 - 30.7	140,900	15.3	13.9 - 16.7	73,700
<b>Health Status before Pregnancy</b>															
In good to excellent health	92.4	91.5 - 93.3	452,800	88.9	87.3 - 90.6	210,200	89.7	86.0 - 93.3	24,400	96.3	95.4 - 97.2	135,600	96.7	95.1 - 98.4	71,300
Chronic conditions															
Diabetes†	2.3	1.8 - 2.8	10,900	2.6	1.9 - 3.3	6,000	2.2	1.2 - 3.2	600	0.9	0.4 - 1.4	1,200	3.5 *	1.4 - 5.7	2,600
Hypertension†	2.5	2.0 - 2.9	11,900	1.7	1.3 - 2.2	4,000	7.2	4.3 - 10.1	1,900	2.7	1.8 - 3.5	3,800	2.2 *	0.5 - 3.8	1,600
Asthma†	7.8	7.0 - 8.6	37,500	6.1	5.0 - 7.2	14,100	16.1	12.6 - 19.5	4,300	11.2	9.4 - 13.1	15,800	2.7	1.5 - 3.8	1,900
<b>Nutrition and Weight</b>															
Daily folic acid use, month before pregnancy	32.7	31.1 - 34.3	159,900	24.8	22.7 - 27.0	58,600	25.0	20.4 - 29.6	6,800	41.4	38.4 - 44.3	58,300	44.5	39.3 - 49.8	32,800
Overweight before pregnancy	24.7	23.2 - 26.2	114,900	29.4	27.0 - 31.8	63,500	26.3	21.6 - 30.9	6,900	21.7	19.3 - 24.1	30,100	15.7	11.8 - 19.5	11,400
Obese before pregnancy	20.3	18.9 - 21.7	94,400	26.8	24.4 - 29.2	57,900	25.1	20.6 - 29.7	6,600	16.1	14.0 - 18.1	22,200	7.0	4.7 - 9.4	5,100
Inadequate weight gain during pregnancy	17.7	16.2 - 19.2	72,900	21.2	18.7 - 23.6	39,500	13.7	10.0 - 17.4	3,000	11.8	9.8 - 13.8	14,800	21.2	16.9 - 25.5	14,100
Excessive weight gain during pregnancy	41.4	39.5 - 43.2	170,100	38.2	35.5 - 41.0	71,400	53.4	47.8 - 59.0	11,900	47.7	44.6 - 50.8	59,700	33.7	28.2 - 39.1	22,300
Food insecurity during pregnancy	16.6	15.4 - 17.9	80,500	22.3	20.1 - 24.4	51,900	20.8	16.8 - 24.7	5,700	12.4	10.4 - 14.4	17,400	6.2	4.2 - 8.3	4,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>															
Physical or psychological IPV during pregnancy	7.1	6.2 - 7.9	34,500	9.1	7.6 - 10.5	21,400	11.1	8.2 - 14.0	3,000	4.2	3.2 - 5.1	5,800	4.5	2.4 - 6.6	3,300
Prenatal depressive symptoms	14.1	12.9 - 15.3	68,900	17.9	16.0 - 19.9	42,200	19.4	15.3 - 23.4	5,300	9.2	7.7 - 10.6	12,900	8.5	5.5 - 11.4	6,200
Postpartum depressive symptoms	13.0	11.8 - 14.1	63,200	15.1	13.3 - 16.9	35,600	14.6	11.3 - 18.0	4,000	10.5	8.8 - 12.2	14,800	9.6	6.7 - 12.5	7,000
<b>Hardships and Support during Pregnancy</b>															
Experienced two or more hardships during childhood	25.3	23.8 - 26.7	121,600	30.3	27.9 - 32.7	70,300	33.0	28.0 - 38.0	8,800	24.7	22.2 - 27.2	34,200	6.2	4.3 - 8.1	4,500
Homeless or did not have a regular place to sleep	2.9	2.4 - 3.4	14,000	3.1	2.3 - 3.9	7,300	9.1	6.7 - 11.5	2,500	2.1	1.4 - 2.9	3,000	1.1 *	0.2 - 1.9	800
Moved due to problems paying rent or mortgage	6.9	6.0 - 7.7	33,600	8.4	6.9 - 9.8	19,700	13.4	10.1 - 16.7	3,700	5.3	4.0 - 6.6	7,500	2.6	1.2 - 3.9	1,900
Woman or partner lost job	14.6	13.4 - 15.8	71,000	18.2	16.2 - 20.2	42,500	19.8	15.7 - 24.0	5,400	12.2	10.3 - 14.2	17,200	6.7	4.3 - 9.1	4,900
Woman or partner had pay or hours cut back	11.8	10.7 - 12.8	57,100	13.8	12.1 - 15.5	32,200	16.2	12.8 - 19.6	4,400	11.2	9.3 - 13.1	15,700	5.3	3.1 - 7.6	3,900
Became separated or divorced	7.6	6.7 - 8.5	37,000	10.5	8.9 - 12.1	24,700	14.8	11.2 - 18.3	4,000	4.2	3.0 - 5.4	5,900	1.7 *	0.5 - 2.8	1,200
Had no practical or emotional support	4.4	3.7 - 5.2	21,700	6.7	5.4 - 8.0	15,800	3.6	2.1 - 5.1	1,000	1.6	1.0 - 2.2	2,300	3.2	1.4 - 5.0	2,400
<b>Substance Use</b>															
Any smoking, 3 months before pregnancy	11.6	10.5 - 12.7	56,500	8.9	7.4 - 10.5	21,100	18.6	14.5 - 22.7	5,000	17.3	15.2 - 19.5	24,300	6.7	4.0 - 9.4	4,900
Any smoking, 3rd trimester†	2.9	2.3 - 3.4	13,900	1.6	0.9 - 2.3	3,800	5.9	4.2 - 7.5	1,600	5.0	3.8 - 6.2	7,000	1.8 *	0.3 - 3.3	1,300
Any smoking, postpartum	5.6	4.8 - 6.3	27,300	3.4	2.5 - 4.3	8,000	12.3	9.3 - 15.3	3,300	9.3	7.6 - 11.0	13,000	2.7 *	1.0 - 4.5	2,000
Any binge drinking, 3 months before pregnancy	15.1	13.8 - 16.3	72,900	14.3	12.5 - 16.1	33,500	13.2	9.1 - 17.2	3,500	20.5	18.1 - 22.8	28,400	7.1	4.5 - 9.8	5,200
Any alcohol use, 3rd trimester†	7.6	6.6 - 8.6	37,000	3.9	2.8 - 5.0	9,200	6.7	3.2 - 10.3	1,800	15.7	13.4 - 18.0	22,000	4.6	2.4 - 6.9	3,400
<b>Pregnancy Intention and Family Planning</b>															
Mistimed or unwanted pregnancy	31.2	29.6 - 32.8	151,800	38.4	35.9 - 40.9	90,000	40.3	35.2 - 45.4	11,000	23.3	20.8 - 25.8	32,600	21.1	16.8 - 25.4	15,400
Unsure of pregnancy intentions	12.9	11.8 - 14.0	62,700	14.5	12.7 - 16.3	34,100	20.6	16.4 - 24.7	5,600	9.4	7.9 - 10.9	13,100	9.4	6.5 - 12.3	6,900
Postpartum birth control use†	81.6	80.3 - 83.0	390,200	85.6	83.8 - 87.3	197,400	74.1	69.5 - 78.6	19,800	81.3	79.0 - 83.7	112,600	72.8	68.0 - 77.5	51,600
<b>Infant Sleep and Breastfeeding</b>															
Placed infant on back to sleep	79.7	78.3 - 81.1	383,200	80.2	78.1 - 82.3	185,800	64.8	59.9 - 69.7	17,100	81.0	78.6 - 83.5	112,800	81.6	77.3 - 85.9	58,900
Infant always or often shared bed	34.1	32.5 - 35.7	163,700	35.4	33.0 - 37.8	81,900	48.7	43.3 - 54.1	12,900	24.6	22.2 - 27.0	34,200	42.1	36.9 - 47.3	30,200
Intended to breastfeed, before birth	92.4	91.5 - 93.4	444,100	91.7	90.3 - 93.1	211,900	85.7	81.8 - 89.7	22,800	94.6	93.4 - 95.8	131,500	93.0	90.1 - 95.9	67,200
Intended to breastfeed exclusively, before birth	64.2	62.6 - 65.9	308,500	57.2	54.7 - 59.7	132,200	57.5	52.3 - 62.8	15,300	81.0	78.6 - 83.4	112,700	54.6	49.3 - 59.9	39,400
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	83.5	82.3 - 84.8	398,500	82.0	80.1 - 83.9	188,600	75.1	70.1 - 80.0	19,400	85.7	83.6 - 87.8	118,800	85.8	81.9 - 89.8	61,100
Exclusive breastfeeding, 1 month after delivery	42.7	41.0 - 44.4	200,700	39.0	36.5 - 41.5	88,100	41.7	36.4 - 47.0	10,800	54.1	51.1 - 57.1	73,700	31.2	26.4 - 36.0	22,100
Any breastfeeding, 3 months after delivery	66.2	64.3 - 68.2	244,200	60.8	58.0 - 63.7	112,700	51.4	45.5 - 57.3	10,000	73.1	69.9 - 76.4	73,900	75.1	69.7 - 80.5	40,100
Exclusive breastfeeding, 3 months after delivery	27.4	25.7 - 29.1	99,800	20.8	18.5 - 23.1	38,100	25.3	20.2 - 30.4	5,000	42.6	39.1 - 46.1	42,200	20.1	15.5 - 24.7	10,700



# MIHA Data Snapshot, California by Race/Ethnicity, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California			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	70.4	68.8 - 71.9	344,100	64.9	62.5 - 67.4	153,300	76.0	72.0 - 80.0	20,600	76.8	74.4 - 79.2	108,100	73.9	69.3 - 78.6	54,100
Initiated prenatal care in 1st trimester	89.7	88.7 - 90.6	433,500	87.2	85.6 - 88.8	202,700	85.9	82.6 - 89.1	23,200	92.0	90.5 - 93.5	128,500	94.3	92.2 - 96.3	68,600
Had a postpartum medical visit	87.5	86.4 - 88.7	427,500	83.9	82.0 - 85.9	197,800	83.3	79.6 - 87.0	22,800	91.3	89.5 - 93.0	127,900	92.9	90.3 - 95.6	68,300
Mom or infant needed but couldn't afford care postpartum	12.6	11.4 - 13.7	59,700	16.1	14.2 - 18.0	37,000	11.9	8.8 - 15.0	3,200	9.0	7.4 - 10.5	12,300	9.0	6.1 - 11.9	6,400
Participated in WIC during pregnancy†	54.1	52.9 - 55.4	259,300	78.1	76.2 - 80.0	181,600	72.5	68.6 - 76.4	19,700	25.6	23.2 - 27.9	35,000	26.6	22.3 - 30.9	18,800
Received CalFresh (food stamps) during pregnancy	24.9	23.6 - 26.3	121,000	33.0	30.7 - 35.3	77,100	54.6	49.5 - 59.8	14,900	15.0	13.0 - 17.0	21,000	7.8	5.4 - 10.1	5,700
Pre-pregnancy insurance															
Medi-Cal	24.5	23.1 - 25.8	119,600	33.6	31.3 - 35.9	79,200	45.0	40.0 - 50.0	12,200	12.8	10.8 - 14.7	18,000	11.2	8.4 - 14.1	8,300
Uninsured	24.0	22.6 - 25.4	117,500	34.8	32.4 - 37.2	82,100	17.5	13.6 - 21.4	4,700	14.0	12.0 - 16.0	19,700	12.5	8.8 - 16.1	9,200
Private	47.5	46.2 - 48.9	232,500	28.4	26.2 - 30.5	66,900	28.8	24.4 - 33.3	7,800	68.5	65.9 - 71.1	96,500	73.1	68.7 - 77.5	53,700
Prenatal insurance															
Medi-Cal	49.7	48.4 - 51.0	242,800	70.8	68.6 - 73.0	167,100	65.9	61.1 - 70.6	18,000	26.4	24.0 - 28.8	37,100	23.0	19.0 - 27.0	16,800
Uninsured	1.6	1.2 - 2.0	7,900	2.0	1.3 - 2.8	4,800	1.6*	0.6 - 2.7	400	0.8	0.5 - 1.2	1,200	1.6*	0.2 - 3.1	1,200
Private	44.5	43.1 - 45.8	217,100	24.3	22.2 - 26.4	57,300	24.7	20.6 - 28.9	6,800	66.5	63.9 - 69.1	93,600	71.7	67.3 - 76.0	52,300
Maternal postpartum insurance															
Medi-Cal	36.2	34.7 - 37.6	175,700	48.3	45.9 - 50.8	113,000	64.4	59.4 - 69.5	17,600	21.0	18.8 - 23.3	29,600	17.1	13.6 - 20.5	12,400
Uninsured	15.0	13.8 - 16.2	72,800	23.5	21.3 - 25.6	54,800	6.5	3.8 - 9.1	1,800	6.6	5.1 - 8.0	9,200	7.7	4.9 - 10.5	5,600
Private	45.7	44.3 - 47.0	221,900	26.0	23.9 - 28.1	60,700	22.1	18.0 - 26.3	6,000	68.0	65.5 - 70.6	95,600	72.5	68.3 - 76.8	52,900
Infant health insurance															
Medi-Cal	52.2	50.9 - 53.6	250,400	73.9	71.8 - 76.0	170,400	69.5	64.6 - 74.5	18,400	28.0	25.5 - 30.5	39,000	26.1	21.9 - 30.3	18,800
Uninsured	2.9	2.2 - 3.5	13,700	3.7	2.7 - 4.8	8,600	1.6	0.7 - 2.5	400	1.9	1.2 - 2.5	2,600	1.8*	0.2 - 3.4	1,300
Private	41.3	40.0 - 42.6	198,000	19.9	18.0 - 21.8	46,000	20.7	16.4 - 25.0	5,500	64.9	62.2 - 67.5	90,200	69.5	65.1 - 74.0	50,000
<b>Maternal Demographics</b>															
Age															
15-19	5.6	4.9 - 6.4	27,500	9.1	7.6 - 10.5	21,500	8.3	5.4 - 11.3	2,300	2.1	1.5 - 2.7	3,000	0.4*	0.1 - 0.7	300
20-34	74.5	73.0 - 76.0	365,300	75.7	73.5 - 77.8	178,900	77.2	72.6 - 81.9	21,200	75.0	72.4 - 77.6	105,700	68.7	63.6 - 73.8	50,600
35+	19.9	18.5 - 21.3	97,400	15.3	13.6 - 17.0	36,100	14.4	10.5 - 18.3	4,000	22.8	20.3 - 25.4	32,200	30.9	25.8 - 35.9	22,700
Did not complete high school (or GED)	16.5	15.2 - 17.7	79,900	28.7	26.4 - 31.1	67,100	12.9	9.8 - 16.0	3,500	4.6	3.4 - 5.9	6,500	2.5	1.2 - 3.9	1,800
Unmarried	40.9	39.4 - 42.4	199,000	55.1	52.6 - 57.6	129,200	68.4	63.5 - 73.3	18,600	25.5	23.0 - 27.9	35,700	15.4	11.8 - 18.9	11,300
Born outside the U.S.	37.9	36.2 - 39.6	185,700	44.5	42.0 - 47.0	105,300	10.2	6.6 - 13.8	2,800	12.9	10.6 - 15.1	18,100	77.3	73.2 - 81.3	56,900
Speaks non-English language at home	30.1	28.5 - 31.7	144,800	39.3	36.9 - 41.7	91,900	7.7	4.2 - 11.3	2,100	6.9	5.1 - 8.7	9,600	57.0	51.6 - 62.3	39,800
Lives in a high poverty neighborhood	38.9	37.3 - 40.5	182,900	54.2	51.7 - 56.7	121,300	54.0	48.7 - 59.3	14,000	21.0	18.5 - 23.5	28,900	21.5	17.0 - 25.9	15,300
Income as a percent of the Federal Poverty Guideline															
0-100%	41.0	39.5 - 42.4	188,800	60.2	57.7 - 62.7	131,700	59.5	54.5 - 64.5	15,500	20.0	17.7 - 22.3	27,100	16.7	12.9 - 20.4	11,600
101-200%	20.8	19.4 - 22.2	96,000	25.0	22.7 - 27.2	54,600	20.5	16.3 - 24.8	5,400	16.5	14.3 - 18.7	22,300	16.4	12.7 - 20.0	11,400
> 200%	38.2	36.9 - 39.6	176,200	14.8	13.1 - 16.5	32,400	20.0	15.9 - 24.1	5,200	63.5	60.8 - 66.2	85,900	67.0	62.3 - 71.7	46,700

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (N), i.e., numerator of the percent rounded to the nearest hundred, are weighted to represent all women with a live birth who resided in California in 2013-2014. Population estimate (N) is a two-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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, California by Total Live Births, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California			First Live Birth			Second Live Birth or More		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
<b>Total</b>	100		490,200	39.6	37.9 - 41.3	194,200	60.4	58.7 - 62.1	295,800
<b>Health Status before Pregnancy</b>									
In good to excellent health	92.4	91.5 - 93.3	452,800	92.9	91.5 - 94.4	180,300	92.1	91.0 - 93.3	272,300
Chronic conditions									
Diabetes†	2.3	1.8 - 2.8	10,900	2.1	1.2 - 3.0	4,100	2.4	1.7 - 3.0	6,900
Hypertension†	2.5	2.0 - 2.9	11,900	2.2	1.3 - 3.0	4,100	2.7	2.1 - 3.2	7,700
Asthma†	7.8	7.0 - 8.6	37,500	9.1	7.6 - 10.5	17,400	6.9	6.0 - 7.9	20,100
<b>Nutrition and Weight</b>									
Daily folic acid use, month before pregnancy	32.7	31.1 - 34.3	159,900	38.0	35.3 - 40.7	73,700	29.2	27.2 - 31.1	86,100
Overweight before pregnancy	24.7	23.2 - 26.2	114,900	20.6	18.4 - 22.8	38,900	27.5	25.5 - 29.6	76,100
Obese before pregnancy	20.3	18.9 - 21.7	94,400	14.4	12.4 - 16.3	27,100	24.3	22.4 - 26.2	67,200
Inadequate weight gain during pregnancy	17.7	16.2 - 19.2	72,900	15.1	13.0 - 17.3	25,500	19.5	17.5 - 21.5	47,400
Excessive weight gain during pregnancy	41.4	39.5 - 43.2	170,100	46.7	43.7 - 49.7	78,600	37.7	35.4 - 40.0	91,500
Food insecurity during pregnancy	16.6	15.4 - 17.9	80,500	14.6	12.6 - 16.6	28,000	17.9	16.3 - 19.6	52,600
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>									
Physical or psychological IPV during pregnancy	7.1	6.2 - 7.9	34,500	7.6	6.3 - 9.0	14,700	6.7	5.6 - 7.8	19,800
Prenatal depressive symptoms	14.1	12.9 - 15.3	68,900	11.0	9.4 - 12.6	21,300	16.2	14.5 - 17.8	47,600
Postpartum depressive symptoms	13.0	11.8 - 14.1	63,200	11.7	10.0 - 13.4	22,600	13.8	12.3 - 15.3	40,600
<b>Hardships and Support during Pregnancy</b>									
Experienced two or more hardships during childhood	25.3	23.8 - 26.7	121,600	22.4	20.2 - 24.6	42,800	27.2	25.2 - 29.1	78,800
Homeless or did not have a regular place to sleep	2.9	2.4 - 3.4	14,000	3.1	2.2 - 4.0	6,000	2.7	2.1 - 3.3	8,000
Moved due to problems paying rent or mortgage	6.9	6.0 - 7.7	33,600	6.2	4.9 - 7.5	12,100	7.3	6.2 - 8.4	21,500
Woman or partner lost job	14.6	13.4 - 15.8	71,000	14.3	12.4 - 16.2	27,400	14.8	13.3 - 16.4	43,600
Woman or partner had pay or hours cut back	11.8	10.7 - 12.8	57,100	11.3	9.6 - 13.1	21,800	12.0	10.7 - 13.4	35,300
Became separated or divorced	7.6	6.7 - 8.5	37,000	8.5	6.9 - 10.1	16,300	7.0	5.9 - 8.1	20,700
Had no practical or emotional support	4.4	3.7 - 5.2	21,700	2.1	1.3 - 2.9	4,000	6.0	4.9 - 7.1	17,600
<b>Substance Use</b>									
Any smoking, 3 months before pregnancy	11.6	10.5 - 12.7	56,500	13.6	11.6 - 15.5	26,100	10.3	9.0 - 11.6	30,400
Any smoking, 3rd trimester†	2.9	2.3 - 3.4	13,900	2.1	1.3 - 2.9	4,100	3.4	2.6 - 4.1	9,900
Any smoking, postpartum	5.6	4.8 - 6.3	27,300	5.3	4.0 - 6.6	10,300	5.8	4.9 - 6.7	17,100
Any binge drinking, 3 months before pregnancy	15.1	13.8 - 16.3	72,900	20.0	17.8 - 22.2	38,200	11.8	10.4 - 13.3	34,600
Any alcohol use, 3rd trimester†	7.6	6.6 - 8.6	37,000	9.6	7.8 - 11.4	18,500	6.3	5.2 - 7.3	18,400
<b>Pregnancy Intention and Family Planning</b>									
Mistimed or unwanted pregnancy	31.2	29.6 - 32.8	151,800	31.3	28.7 - 33.8	60,500	31.2	29.1 - 33.2	91,300
Unsure of pregnancy intentions	12.9	11.8 - 14.0	62,700	11.2	9.5 - 12.8	21,600	14.0	12.5 - 15.6	41,100
Postpartum birth control use†	81.6	80.3 - 83.0	390,200	77.1	74.7 - 79.5	145,500	84.6	83.0 - 86.2	244,600
<b>Infant Sleep and Breastfeeding</b>									
Placed infant on back to sleep	79.7	78.3 - 81.1	383,200	80.2	78.0 - 82.5	152,400	79.4	77.5 - 81.2	230,600
Infant always or often shared bed	34.1	32.5 - 35.7	163,700	32.9	30.4 - 35.5	62,600	34.9	32.8 - 36.9	101,100
Intended to breastfeed, before birth	92.4	91.5 - 93.4	444,100	93.3	91.8 - 94.8	177,400	91.9	90.8 - 93.0	266,500
Intended to breastfeed exclusively, before birth	64.2	62.6 - 65.9	308,500	72.1	69.6 - 74.6	137,100	59.1	56.9 - 61.3	171,300
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	83.5	82.3 - 84.8	398,500	83.7	81.6 - 85.7	157,400	83.4	81.8 - 85.1	240,900
Exclusive breastfeeding, 1 month after delivery	42.7	41.0 - 44.4	200,700	42.0	39.3 - 44.8	78,600	43.2	41.0 - 45.4	122,000
Any breastfeeding, 3 months after delivery	66.2	64.3 - 68.2	244,200	65.1	62.0 - 68.2	95,600	67.0	64.6 - 69.5	148,600
Exclusive breastfeeding, 3 months after delivery	27.4	25.7 - 29.1	99,800	26.6	23.8 - 29.5	39,000	27.9	25.7 - 30.1	60,800



# MIHA Data Snapshot, California by Total Live Births, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California				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	70.4	68.8 - 71.9		344,100	65.7	63.1 - 68.3		127,200	73.4	71.5 - 75.4		216,600
Initiated prenatal care in 1st trimester	89.7	88.7 - 90.6		433,500	91.3	89.9 - 92.7		175,500	88.6	87.3 - 89.9		257,800
Had a postpartum medical visit	87.5	86.4 - 88.7		427,500	90.2	88.5 - 91.9		174,300	85.8	84.2 - 87.4		253,000
Mom or infant needed but couldn't afford care postpartum	12.6	11.4 - 13.7		59,700	11.1	9.3 - 12.9		20,800	13.6	12.0 - 15.1		38,900
Participated in WIC during pregnancy†	54.1	52.9 - 55.4		259,300	47.4	44.9 - 49.9		89,700	58.6	56.7 - 60.4		169,500
Received CalFresh (food stamps) during pregnancy	24.9	23.6 - 26.3		121,000	16.1	14.2 - 18.0		30,800	30.7	28.8 - 32.6		90,100
Pre-pregnancy insurance												
Medi-Cal	24.5	23.1 - 25.8		119,600	14.1	12.3 - 15.9		27,400	31.2	29.3 - 33.1		92,100
Uninsured	24.0	22.6 - 25.4		117,500	26.2	23.9 - 28.6		50,800	22.6	20.7 - 24.5		66,700
Private	47.5	46.2 - 48.9		232,500	56.0	53.5 - 58.5		108,500	42.0	40.0 - 44.0		124,000
Prenatal insurance												
Medi-Cal	49.7	48.4 - 51.0		242,800	42.9	40.4 - 45.3		83,100	54.2	52.3 - 56.2		159,600
Uninsured	1.6	1.2 - 2.0		7,900	1.2	0.7 - 1.7		2,300	1.9	1.2 - 2.5		5,500
Private	44.5	43.1 - 45.8		217,100	51.9	49.4 - 54.4		100,600	39.6	37.6 - 41.5		116,500
Maternal postpartum insurance												
Medi-Cal	36.2	34.7 - 37.6		175,700	32.1	29.8 - 34.5		61,600	38.8	36.8 - 40.8		114,000
Uninsured	15.0	13.8 - 16.2		72,800	12.3	10.5 - 14.2		23,700	16.7	15.1 - 18.4		49,200
Private	45.7	44.3 - 47.0		221,900	52.7	50.1 - 55.2		101,000	41.1	39.2 - 43.1		120,900
Infant health insurance												
Medi-Cal	52.2	50.9 - 53.6		250,400	46.4	43.9 - 48.9		88,100	56.0	54.1 - 58.0		162,200
Uninsured	2.9	2.2 - 3.5		13,700	2.7	1.8 - 3.6		5,100	3.0	2.1 - 3.8		8,600
Private	41.3	40.0 - 42.6		198,000	47.3	44.8 - 49.8		89,800	37.3	35.4 - 39.3		108,100
<b>Maternal Demographics</b>												
Age												
15-19	5.6	4.9 - 6.4		27,500	12.3	10.6 - 14.1		23,900	1.2	0.8 - 1.6		3,500
20-34	74.5	73.0 - 76.0		365,300	74.3	71.8 - 76.8		144,200	74.7	72.8 - 76.6		220,900
35+	19.9	18.5 - 21.3		97,400	13.4	11.4 - 15.4		26,000	24.1	22.2 - 26.0		71,300
Did not complete high school (or GED)	16.5	15.2 - 17.7		79,900	10.1	8.4 - 11.8		19,400	20.7	18.9 - 22.4		60,500
Unmarried	40.9	39.4 - 42.4		199,000	44.6	42.0 - 47.3		85,800	38.5	36.4 - 40.5		113,200
Race/Ethnicity												
Hispanic	49.2	47.7 - 50.7		236,500	40.9	38.3 - 43.5		77,900	54.6	52.6 - 56.6		158,400
Black	5.7	5.3 - 6.1		27,400	5.9	5.1 - 6.8		11,300	5.6	4.9 - 6.2		16,100
White	29.3	27.9 - 30.7		140,900	33.9	31.3 - 36.4		64,500	26.3	24.6 - 28.1		76,400
Asian/Pacific Islander	15.3	13.9 - 16.7		73,700	18.8	16.4 - 21.3		35,800	13.1	11.3 - 14.8		37,900
Born outside the U.S.	37.9	36.2 - 39.6		185,700	30.8	28.1 - 33.5		59,800	42.5	40.3 - 44.7		125,800
Speaks non-English language at home	30.1	28.5 - 31.7		144,800	23.5	21.1 - 26.0		44,700	34.3	32.2 - 36.5		100,000
Lives in a high poverty neighborhood	38.9	37.3 - 40.5		182,900	36.7	34.0 - 39.4		68,600	40.4	38.3 - 42.5		114,200
Income as a percent of the Federal Poverty Guideline												
0-100%	41.0	39.5 - 42.4		188,800	35.1	32.6 - 37.7		63,200	44.7	42.6 - 46.7		125,400
101-200%	20.8	19.4 - 22.2		96,000	16.9	15.0 - 18.8		30,400	23.3	21.4 - 25.3		65,600
> 200%	38.2	36.9 - 39.6		176,200	48.0	45.4 - 50.6		86,300	32.0	30.1 - 33.9		89,900

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

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# MIHA Data Snapshot, California by Prenatal Health Insurance, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California			Medi-Cal			Uninsured			Private		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
<b>Total</b>	100		490,200	49.7	48.4 - 51.0	242,800	1.6	1.2 - 2.0	7,900	44.5	43.1 - 45.8	217,100
<b>Health Status before Pregnancy</b>												
In good to excellent health	92.4	91.5 - 93.3	452,800	87.5	85.9 - 89.2	212,300	95.3*	91.8 - 98.8	7,500	97.8	97.1 - 98.5	212,200
Chronic conditions												
Diabetes†	2.3	1.8 - 2.8	10,900	3.2	2.3 - 4.0	7,500	--			1.2	0.7 - 1.8	2,700
Hypertension†	2.5	2.0 - 2.9	11,900	2.6	2.0 - 3.2	6,200	--			2.2	1.5 - 3.0	4,800
Asthma†	7.8	7.0 - 8.6	37,500	8.6	7.4 - 9.8	20,500	5.5*	1.5 - 9.5	400	7.1	5.9 - 8.4	15,300
<b>Nutrition and Weight</b>												
Daily folic acid use, month before pregnancy	32.7	31.1 - 34.3	159,900	21.7	19.8 - 23.7	52,700	19.6	11.1 - 28.1	1,500	44.9	42.3 - 47.6	97,500
Overweight before pregnancy	24.7	23.2 - 26.2	114,900	26.8	24.6 - 29.0	60,000	23.1	10.0 - 36.2	1,500	22.6	20.4 - 24.8	48,100
Obese before pregnancy	20.3	18.9 - 21.7	94,400	25.7	23.5 - 27.9	57,500	20.1	9.9 - 30.4	1,300	15.5	13.6 - 17.3	33,000
Inadequate weight gain during pregnancy	17.7	16.2 - 19.2	72,900	20.5	18.2 - 22.8	39,300	27.8	12.4 - 43.1	1,500	14.6	12.7 - 16.6	28,400
Excessive weight gain during pregnancy	41.4	39.5 - 43.2	170,100	40.4	37.8 - 43.0	77,500	34.3	21.6 - 46.9	1,900	43.0	40.2 - 45.8	83,400
Food insecurity during pregnancy	16.6	15.4 - 17.9	80,500	27.5	25.3 - 29.7	65,600	24.6	12.1 - 37.1	1,900	4.6	3.6 - 5.6	10,000
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>												
Physical or psychological IPV during pregnancy	7.1	6.2 - 7.9	34,500	10.7	9.3 - 12.2	26,000	15.8	6.7 - 24.9	1,200	2.8	1.9 - 3.7	6,000
Prenatal depressive symptoms	14.1	12.9 - 15.3	68,900	19.0	17.1 - 20.8	45,900	33.9	19.5 - 48.3	2,700	7.5	6.2 - 8.7	16,200
Postpartum depressive symptoms	13.0	11.8 - 14.1	63,200	16.7	14.9 - 18.5	40,300	12.3*	4.2 - 20.4	1,000	9.2	7.8 - 10.5	19,800
<b>Hardships and Support during Pregnancy</b>												
Experienced two or more hardships during childhood	25.3	23.8 - 26.7	121,600	32.7	30.4 - 35.0	77,600	28.1	16.4 - 39.8	2,200	16.5	14.7 - 18.4	35,500
Homeless or did not have a regular place to sleep	2.9	2.4 - 3.4	14,000	4.8	3.9 - 5.7	11,600	8.0*	0.5 - 15.5	600	0.7	0.3 - 1.1	1,500
Moved due to problems paying rent or mortgage	6.9	6.0 - 7.7	33,600	10.3	8.9 - 11.8	25,000	12.8*	2.0 - 23.7	1,000	2.9	2.0 - 3.8	6,300
Woman or partner lost job	14.6	13.4 - 15.8	71,000	21.5	19.5 - 23.5	51,500	20.8	9.5 - 32.2	1,600	7.4	6.0 - 8.7	15,900
Woman or partner had pay or hours cut back	11.8	10.7 - 12.8	57,100	15.3	13.6 - 17.0	36,700	13.5*	4.7 - 22.3	1,000	8.1	6.7 - 9.5	17,400
Became separated or divorced	7.6	6.7 - 8.5	37,000	11.6	10.1 - 13.1	28,000	21.3*	8.2 - 34.5	1,700	2.9	2.0 - 3.9	6,300
Had no practical or emotional support	4.4	3.7 - 5.2	21,700	6.7	5.4 - 8.0	16,200	9.2*	0.7 - 17.6	700	1.8	1.1 - 2.4	3,800
<b>Substance Use</b>												
Any smoking, 3 months before pregnancy	11.6	10.5 - 12.7	56,500	14.6	12.9 - 16.3	35,300	24.7	11.9 - 37.5	1,900	7.1	5.9 - 8.4	15,400
Any smoking, 3rd trimester†	2.9	2.3 - 3.4	13,900	4.3	3.4 - 5.2	10,400	6.7*	1.7 - 11.7	500	0.8	0.5 - 1.0	1,600
Any smoking, postpartum	5.6	4.8 - 6.3	27,300	8.1	6.8 - 9.3	19,500	9.1*	3.4 - 14.9	700	2.4	1.7 - 3.1	5,200
Any binge drinking, 3 months before pregnancy	15.1	13.8 - 16.3	72,900	13.6	11.9 - 15.3	32,600	21.5*	7.8 - 35.2	1,700	15.3	13.5 - 17.1	33,000
Any alcohol use, 3rd trimester†	7.6	6.6 - 8.6	37,000	4.1	2.9 - 5.2	9,900	13.9*	2.8 - 25.0	1,100	11.2	9.5 - 12.8	24,100
<b>Pregnancy Intention and Family Planning</b>												
Mistimed or unwanted pregnancy	31.2	29.6 - 32.8	151,800	41.2	38.8 - 43.6	99,300	47.3	33.3 - 61.2	3,700	20.0	17.9 - 22.1	43,100
Unsure of pregnancy intentions	12.9	11.8 - 14.0	62,700	16.5	14.7 - 18.2	39,700	8.7*	3.2 - 14.2	700	8.9	7.4 - 10.4	19,200
Postpartum birth control use†	81.6	80.3 - 83.0	390,200	83.4	81.6 - 85.1	197,400	72.9	60.4 - 85.3	5,600	80.3	78.1 - 82.6	170,600
<b>Infant Sleep and Breastfeeding</b>												
Placed infant on back to sleep	79.7	78.3 - 81.1	383,200	76.1	74.0 - 78.2	180,600	65.2	50.9 - 79.5	4,900	84.5	82.6 - 86.5	181,200
Infant always or often shared bed	34.1	32.5 - 35.7	163,700	38.4	36.1 - 40.7	91,000	55.8	42.0 - 69.5	4,200	28.8	26.3 - 31.2	61,600
Intended to breastfeed, before birth	92.4	91.5 - 93.4	444,100	90.8	89.5 - 92.1	215,000	83.6*	73.2 - 94.0	6,300	94.5	93.2 - 95.9	202,700
Intended to breastfeed exclusively, before birth	64.2	62.6 - 65.9	308,500	57.8	55.4 - 60.2	136,900	46.0	32.3 - 59.7	3,500	71.7	69.2 - 74.2	153,800
Breastfeeding practices												
Any breastfeeding, 1 month after delivery	83.5	82.3 - 84.8	398,500	78.4	76.4 - 80.4	184,100	86.1	79.3 - 92.8	6,300	89.3	87.6 - 90.9	190,400
Exclusive breastfeeding, 1 month after delivery	42.7	41.0 - 44.4	200,700	37.3	35.0 - 39.6	86,100	37.9	24.1 - 51.7	2,700	48.2	45.5 - 50.9	101,500
Any breastfeeding, 3 months after delivery	66.2	64.3 - 68.2	244,200	57.7	54.9 - 60.5	109,200	61.8	46.7 - 77.0	3,100	76.6	73.9 - 79.3	120,100
Exclusive breastfeeding, 3 months after delivery	27.4	25.7 - 29.1	99,800	19.4	17.4 - 21.4	36,200	17.4	8.5 - 26.2	800	36.2	33.2 - 39.2	56,300



# MIHA Data Snapshot, California by Prenatal Health Insurance, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California				Medi-Cal				Uninsured				Private			
	%	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	70.4	68.8 - 71.9		344,100	58.7	56.3 - 61.1		142,300	45.0	31.4 - 58.6		3,400	84.1	82.1 - 86.1		182,400
Initiated prenatal care in 1st trimester	89.7	88.7 - 90.6		433,500	84.2	82.5 - 85.8		201,700	66.6	54.2 - 79.0		5,100	96.8	95.9 - 97.6		207,200
Had a postpartum medical visit	87.5	86.4 - 88.7		427,500	81.4	79.5 - 83.3		197,200	69.2	56.9 - 81.6		5,400	95.0	93.7 - 96.3		205,700
Mom or infant needed but couldn't afford care postpartum	12.6	11.4 - 13.7		59,700	18.5	16.5 - 20.5		43,500	30.0	17.6 - 42.3		2,300	5.6	4.4 - 6.7		11,800
Participated in WIC during pregnancy†	54.1	52.9 - 55.4		259,300	88.1	86.7 - 89.4		211,300	52.9	39.2 - 66.7		4,100	16.2	14.3 - 18.1		34,000
Received CalFresh (food stamps) during pregnancy	24.9	23.6 - 26.3		121,000	47.4	45.0 - 49.8		113,500	22.1	11.2 - 33.0		1,700	2.2	1.5 - 2.8		4,700
Pre-pregnancy insurance																
Medi-Cal	24.5	23.1 - 25.8		119,600	48.1	45.8 - 50.5		116,600	13.3*	2.0 - 24.7		1,000	0.5*	0.2 - 0.9		1,200
Uninsured	24.0	22.6 - 25.4		117,500	42.4	40.0 - 44.8		102,700	78.3	66.2 - 90.3		6,100	1.8	1.1 - 2.4		3,800
Private	47.5	46.2 - 48.9		232,500	7.3	6.2 - 8.4		17,700	5.5*	1.3 - 9.7		400	97.5	96.7 - 98.2		211,400
Maternal postpartum insurance																
Medi-Cal	36.2	34.7 - 37.6		175,700	69.8	67.7 - 72.0		167,300	28.7	18.1 - 39.3		2,200	2.2	1.5 - 3.0		4,900
Uninsured	15.0	13.8 - 16.2		72,800	24.7	22.6 - 26.9		59,300	59.3	46.6 - 72.0		4,600	2.3	1.4 - 3.1		4,900
Private	45.7	44.3 - 47.0		221,900	4.5	3.7 - 5.4		10,900	10.7*	2.2 - 19.2		800	95.3	94.1 - 96.4		206,800
Infant health insurance																
Medi-Cal	52.2	50.9 - 53.6		250,400	93.4	92.2 - 94.6		220,800	63.4	49.5 - 77.4		4,700	8.9	7.4 - 10.3		19,000
Uninsured	2.9	2.2 - 3.5		13,700	2.8	1.9 - 3.6		6,500	26.8	12.9 - 40.7		2,000	2.2	1.4 - 3.0		4,700
Private	41.3	40.0 - 42.6		198,000	2.7	2.0 - 3.4		6,300	8.1*	2.7 - 13.4		600	88.2	86.6 - 89.9		189,100
<b>Maternal Demographics</b>																
Age																
15-19	5.6	4.9 - 6.4		27,500	9.5	8.2 - 10.9		23,100	5.9*	1.1 - 10.8		500	1.5	0.8 - 2.2		3,300
20-34	74.5	73.0 - 76.0		365,300	78.0	76.0 - 79.9		189,300	76.3	65.4 - 87.2		6,000	70.1	67.6 - 72.6		152,200
35+	19.9	18.5 - 21.3		97,400	12.5	11.0 - 14.0		30,300	17.8	7.7 - 27.9		1,400	28.4	25.9 - 30.9		61,700
Did not complete high school (or GED)	16.5	15.2 - 17.7		79,900	29.4	27.1 - 31.6		70,300	37.4	23.3 - 51.5		2,900	2.4	1.6 - 3.2		5,300
Unmarried	40.9	39.4 - 42.4		199,000	64.8	62.5 - 67.1		155,800	55.4	41.7 - 69.0		4,300	16.5	14.6 - 18.3		35,600
Race/Ethnicity																
Hispanic	49.2	47.7 - 50.7		236,500	69.5	67.5 - 71.5		167,100	63.0	50.0 - 76.1		4,800	27.2	24.8 - 29.6		57,300
Black	5.7	5.3 - 6.1		27,400	7.5	6.8 - 8.1		18,000	5.8*	1.9 - 9.8		400	3.2	2.6 - 3.8		6,800
White	29.3	27.9 - 30.7		140,900	15.4	13.8 - 17.0		37,100	15.5	8.6 - 22.5		1,200	44.4	41.9 - 47.0		93,600
Asian/Pacific Islander	15.3	13.9 - 16.7		73,700	7.0	5.7 - 8.3		16,800	15.5*	3.3 - 27.8		1,200	24.8	22.2 - 27.5		52,300
Born outside the U.S.	37.9	36.2 - 39.6		185,700	42.6	40.3 - 45.0		103,500	62.3	49.9 - 74.8		4,900	32.6	30.0 - 35.3		70,900
Speaks non-English language at home	30.1	28.5 - 31.7		144,800	37.7	35.4 - 40.1		90,100	53.3	39.7 - 67.0		4,100	21.2	18.8 - 23.6		45,200
Lives in a high poverty neighborhood	38.9	37.3 - 40.5		182,900	56.8	54.4 - 59.2		130,800	37.7	24.0 - 51.5		2,800	20.7	18.5 - 23.0		43,700
Income as a percent of the Federal Poverty Guideline																
0-100%	41.0	39.5 - 42.4		188,800	74.0	71.9 - 76.1		167,200	52.1	37.8 - 66.5		3,500	7.1	5.7 - 8.5		14,700
101-200%	20.8	19.4 - 22.2		96,000	23.0	21.0 - 25.0		51,900	31.1	16.6 - 45.6		2,100	15.9	13.9 - 17.8		33,000
> 200%	38.2	36.9 - 39.6		176,200	3.0	2.3 - 3.7		6,800	16.8*	5.5 - 28.0		1,100	77.1	74.9 - 79.3		160,200

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (N), i.e., numerator of the percent rounded to the nearest hundred, are weighted to represent all women with a live birth who resided in California in 2013-2014. Population estimate (N) is a two-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, California by Education, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California			<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		490,200	16.5	15.2 - 17.7	79,900	19.8	18.5 - 21.2	96,100	31.6	30.0 - 33.1	153,100	32.1	30.6 - 33.5	155,500
<b>Health Status before Pregnancy</b>															
In good to excellent health	92.4	91.5 - 93.3	452,800	84.7	81.6 - 87.8	67,600	87.8	85.1 - 90.6	84,300	93.7	92.3 - 95.0	143,300	98.3	97.6 - 99.0	152,700
Chronic conditions															
Diabetes†	2.3	1.8 - 2.8	10,900	4.3	2.6 - 6.0	3,400	2.9	1.3 - 4.5	2,700	1.9	1.3 - 2.6	2,900	1.2	0.6 - 1.8	1,800
Hypertension†	2.5	2.0 - 2.9	11,900	2.5	1.5 - 3.5	1,900	2.9	1.9 - 3.9	2,700	2.5	1.7 - 3.2	3,700	2.2	1.3 - 3.2	3,400
Asthma†	7.8	7.0 - 8.6	37,500	7.3	5.3 - 9.3	5,700	7.6	5.9 - 9.2	7,100	9.4	7.8 - 11.0	14,200	6.5	5.0 - 8.0	10,000
<b>Nutrition and Weight</b>															
Daily folic acid use, month before pregnancy	32.7	31.1 - 34.3	159,900	19.5	16.4 - 22.6	15,500	25.8	22.3 - 29.2	24,700	30.5	27.6 - 33.3	46,600	45.8	42.6 - 49.0	71,200
Overweight before pregnancy	24.7	23.2 - 26.2	114,900	30.9	26.3 - 35.5	20,700	27.8	24.2 - 31.3	25,000	25.5	23.0 - 28.1	38,400	19.5	17.1 - 22.0	29,800
Obese before pregnancy	20.3	18.9 - 21.7	94,400	29.4	24.9 - 33.9	19,700	25.0	21.5 - 28.6	22,600	23.8	21.3 - 26.4	35,800	10.2	8.4 - 11.9	15,500
Inadequate weight gain during pregnancy	17.7	16.2 - 19.2	72,900	21.3	17.2 - 25.5	11,900	20.1	16.5 - 23.7	15,600	17.1	14.4 - 19.7	22,700	15.3	12.9 - 17.7	21,400
Excessive weight gain during pregnancy	41.4	39.5 - 43.2	170,100	36.5	31.6 - 41.5	20,400	39.7	35.4 - 44.0	30,800	46.0	42.8 - 49.1	61,000	40.0	36.7 - 43.3	56,100
Food insecurity during pregnancy	16.6	15.4 - 17.9	80,500	28.3	24.3 - 32.3	22,100	22.9	19.7 - 26.1	21,700	18.6	16.3 - 21.0	28,400	4.4	3.0 - 5.7	6,800
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>															
Physical or psychological IPV during pregnancy	7.1	6.2 - 7.9	34,500	11.4	8.8 - 13.9	9,000	8.9	6.8 - 10.9	8,500	7.0	5.5 - 8.5	10,700	3.6	2.4 - 4.8	5,600
Prenatal depressive symptoms	14.1	12.9 - 15.3	68,900	23.1	19.3 - 26.9	18,400	17.7	14.8 - 20.5	16,900	12.6	10.8 - 14.4	19,300	8.4	6.6 - 10.2	13,000
Postpartum depressive symptoms	13.0	11.8 - 14.1	63,200	17.6	14.1 - 21.1	14,100	14.8	12.1 - 17.5	14,200	13.5	11.7 - 15.3	20,600	8.8	7.0 - 10.5	13,600
<b>Hardships and Support during Pregnancy</b>															
Experienced two or more hardships during childhood	25.3	23.8 - 26.7	121,600	35.9	31.5 - 40.2	27,900	32.9	29.3 - 36.6	31,000	29.8	27.1 - 32.5	44,800	10.9	9.2 - 12.6	16,900
Homeless or did not have a regular place to sleep	2.9	2.4 - 3.4	14,000	5.1	3.5 - 6.6	4,000	4.1	2.6 - 5.5	3,900	3.0	2.1 - 3.9	4,600	0.8*	0.3 - 1.3	1,200
Moved due to problems paying rent or mortgage	6.9	6.0 - 7.7	33,600	11.3	8.2 - 14.4	9,000	7.4	5.8 - 9.0	7,000	8.8	7.1 - 10.4	13,400	2.5	1.5 - 3.4	3,800
Woman or partner lost job	14.6	13.4 - 15.8	71,000	21.5	17.7 - 25.2	16,800	17.4	14.4 - 20.4	16,500	16.8	14.6 - 18.9	25,500	7.5	5.9 - 9.1	11,600
Woman or partner had pay or hours cut back	11.8	10.7 - 12.8	57,100	14.9	11.7 - 18.1	11,700	12.6	10.2 - 15.0	11,900	14.2	12.3 - 16.1	21,600	7.4	5.7 - 9.1	11,500
Became separated or divorced	7.6	6.7 - 8.5	37,000	12.7	9.8 - 15.7	10,100	10.4	8.2 - 12.6	9,900	8.0	6.3 - 9.8	12,300	2.8	1.7 - 3.9	4,300
Had no practical or emotional support	4.4	3.7 - 5.2	21,700	9.5	6.6 - 12.5	7,600	6.5	4.6 - 8.3	6,200	3.0	2.1 - 3.9	4,600	1.9	1.0 - 2.8	3,000
<b>Substance Use</b>															
Any smoking, 3 months before pregnancy	11.6	10.5 - 12.7	56,500	13.5	10.5 - 16.5	10,700	14.7	11.9 - 17.5	14,100	14.8	12.7 - 16.9	22,600	5.2	3.9 - 6.6	8,100
Any smoking, 3rd trimester†	2.9	2.3 - 3.4	13,900	4.7	3.1 - 6.3	3,700	3.8	2.4 - 5.3	3,700	3.6	2.5 - 4.8	5,600	0.5*	0.0 - 1.0	800
Any smoking, postpartum	5.6	4.8 - 6.3	27,300	8.1	6.0 - 10.2	6,500	8.0	5.9 - 10.2	7,700	6.7	5.4 - 8.0	10,200	1.7	0.8 - 2.6	2,600
Any binge drinking, 3 months before pregnancy	15.1	13.8 - 16.3	72,900	9.9	7.0 - 12.7	7,700	12.8	10.3 - 15.2	12,200	19.2	16.8 - 21.5	29,000	15.3	13.0 - 17.5	23,500
Any alcohol use, 3rd trimester†	7.6	6.6 - 8.6	37,000	4.8	2.4 - 7.3	3,800	2.5	1.3 - 3.7	2,400	7.1	5.4 - 8.7	10,800	12.9	10.8 - 14.9	19,900
<b>Pregnancy Intention and Family Planning</b>															
Mistimed or unwanted pregnancy	31.2	29.6 - 32.8	151,800	41.0	36.5 - 45.5	32,600	39.2	35.4 - 43.0	37,500	34.5	31.7 - 37.3	52,500	17.9	15.4 - 20.3	27,500
Unsure of pregnancy intentions	12.9	11.8 - 14.0	62,700	16.7	13.3 - 20.0	13,300	14.4	12.1 - 16.6	13,700	15.2	13.0 - 17.3	23,100	7.7	6.0 - 9.4	11,800
Postpartum birth control use†	81.6	80.3 - 83.0	390,200	82.1	78.6 - 85.5	62,600	83.7	81.0 - 86.5	78,800	83.4	81.2 - 85.6	125,700	78.2	75.4 - 80.9	118,800
<b>Infant Sleep and Breastfeeding</b>															
Placed infant on back to sleep	79.7	78.3 - 81.1	383,200	72.0	67.8 - 76.3	56,700	77.0	73.7 - 80.3	72,300	79.5	77.1 - 81.9	120,300	85.5	83.2 - 87.7	130,800
Infant always or often shared bed	34.1	32.5 - 35.7	163,700	37.2	33.1 - 41.4	29,200	34.5	31.1 - 38.0	32,500	36.7	33.9 - 39.5	55,500	29.7	26.7 - 32.7	45,400
Intended to breastfeed, before birth	92.4	91.5 - 93.4	444,100	88.8	86.3 - 91.4	69,100	89.5	87.2 - 91.8	84,100	92.6	91.0 - 94.2	140,100	96.1	94.8 - 97.4	147,000
Intended to breastfeed exclusively, before birth	64.2	62.6 - 65.9	308,500	46.2	41.8 - 50.7	36,000	55.8	51.9 - 59.6	52,400	68.1	65.2 - 70.9	103,000	75.0	72.1 - 77.9	114,700
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	83.5	82.3 - 84.8	398,500	78.6	74.9 - 82.2	61,200	75.9	72.6 - 79.3	70,600	83.4	81.3 - 85.5	124,800	91.0	89.1 - 93.0	138,700
Exclusive breastfeeding, 1 month after delivery	42.7	41.0 - 44.4	200,700	37.0	32.6 - 41.4	28,300	35.2	31.7 - 38.8	32,100	44.7	41.8 - 47.7	66,200	48.2	45.0 - 51.4	72,300
Any breastfeeding, 3 months after delivery	66.2	64.3 - 68.2	244,200	56.5	51.4 - 61.5	36,900	53.8	49.4 - 58.2	40,500	64.2	60.8 - 67.5	73,900	82.9	80.0 - 85.8	90,800
Exclusive breastfeeding, 3 months after delivery	27.4	25.7 - 29.1	99,800	15.8	12.4 - 19.3	10,200	18.6	15.3 - 21.8	13,800	29.0	26.0 - 32.1	33,400	38.6	35.0 - 42.3	41,600



# MIHA Data Snapshot, California by Education, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California			<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	70.4	68.8 - 71.9	344,100	60.4	56.0 - 64.7	48,200	63.1	59.3 - 66.8	60,400	69.7	66.9 - 72.4	106,400	80.8	78.3 - 83.3	125,200
Initiated prenatal care in 1st trimester	89.7	88.7 - 90.6	433,500	81.5	78.2 - 84.9	63,300	85.5	82.9 - 88.1	81,300	89.2	87.6 - 90.8	135,300	97.0	96.1 - 97.9	148,900
Had a postpartum medical visit	87.5	86.4 - 88.7	427,500	74.1	70.0 - 78.2	59,000	84.3	81.8 - 86.8	80,600	88.1	86.1 - 90.2	134,600	96.2	94.9 - 97.4	149,300
Mom or infant needed but couldn't afford care postpartum	12.6	11.4 - 13.7	59,700	17.4	14.0 - 20.8	13,500	16.3	13.2 - 19.4	15,100	14.5	12.4 - 16.6	21,700	5.5	4.1 - 6.8	8,300
Participated in WIC during pregnancy†	54.1	52.9 - 55.4	259,300	90.9	88.5 - 93.3	71,900	82.5	79.7 - 85.4	78,200	55.2	52.4 - 58.0	83,000	15.4	13.1 - 17.6	23,200
Received CalFresh (food stamps) during pregnancy	24.9	23.6 - 26.3	121,000	50.6	46.2 - 55.1	40,000	36.9	33.3 - 40.5	35,200	25.4	23.0 - 27.9	38,700	3.4	2.6 - 4.3	5,300
Pre-pregnancy insurance															
Medi-Cal	24.5	23.1 - 25.8	119,600	49.7	45.2 - 54.1	39,600	38.4	34.8 - 42.1	36,800	23.6	21.2 - 26.0	36,000	3.1	2.2 - 4.0	4,800
Uninsured	24.0	22.6 - 25.4	117,500	39.7	35.2 - 44.1	31,600	37.6	33.8 - 41.4	36,000	22.1	19.7 - 24.6	33,800	9.6	7.7 - 11.5	15,000
Private	47.5	46.2 - 48.9	232,500	8.3	5.9 - 10.8	6,700	21.3	18.2 - 24.4	20,400	48.2	45.4 - 51.1	73,700	83.6	81.3 - 85.8	129,900
Prenatal insurance															
Medi-Cal	49.7	48.4 - 51.0	242,800	88.4	85.6 - 91.2	70,300	78.5	75.3 - 81.6	75,300	49.0	46.2 - 51.8	74,900	12.1	10.3 - 14.0	18,800
Uninsured	1.6	1.2 - 2.0	7,900	3.6	1.8 - 5.4	2,900	1.5	0.9 - 2.1	1,400	1.0*	0.4 - 1.6	1,500	1.2*	0.5 - 1.9	1,800
Private	44.5	43.1 - 45.8	217,100	6.6	4.4 - 8.8	5,300	16.7	13.9 - 19.6	16,100	43.3	40.4 - 46.1	66,100	82.8	80.6 - 85.0	128,400
Maternal postpartum insurance															
Medi-Cal	36.2	34.7 - 37.6	175,700	64.1	59.9 - 68.3	50,800	59.4	55.6 - 63.2	56,100	36.6	33.9 - 39.3	55,700	7.0	5.7 - 8.3	10,900
Uninsured	15.0	13.8 - 16.2	72,800	27.2	23.3 - 31.2	21,600	21.3	18.1 - 24.5	20,100	13.4	11.2 - 15.5	20,400	6.4	4.8 - 8.1	10,000
Private	45.7	44.3 - 47.0	221,900	7.3	5.2 - 9.5	5,800	17.2	14.4 - 20.0	16,300	44.8	42.0 - 47.7	68,300	83.7	81.6 - 85.9	130,200
Infant health insurance															
Medi-Cal	52.2	50.9 - 53.6	250,400	90.9	88.3 - 93.4	71,300	81.1	78.1 - 84.0	75,600	52.4	49.5 - 55.3	79,200	14.2	12.1 - 16.2	21,700
Uninsured	2.9	2.2 - 3.5	13,700	4.3	2.3 - 6.2	3,300	3.9	2.3 - 5.6	3,700	3.0	1.9 - 4.0	4,500	1.4*	0.5 - 2.3	2,200
Private	41.3	40.0 - 42.6	198,000	3.3	2.0 - 4.7	2,600	12.5	10.0 - 14.9	11,600	38.7	35.9 - 41.5	58,500	81.3	79.0 - 83.6	124,400
<b>Maternal Demographics</b>															
Unmarried	40.9	39.4 - 42.4	199,000	65.0	60.8 - 69.2	51,800	60.5	56.7 - 64.3	58,100	44.4	41.5 - 47.3	67,600	12.4	10.3 - 14.5	19,300
Race/Ethnicity															
Hispanic	49.2	47.7 - 50.7	236,500	84.6	82.0 - 87.3	67,100	69.7	66.2 - 73.3	65,800	47.1	44.2 - 50.1	71,000	19.5	17.0 - 22.0	29,500
Black	5.7	5.3 - 6.1	27,400	4.4	3.3 - 5.5	3,500	6.0	4.7 - 7.4	5,700	8.5	7.4 - 9.6	12,800	3.4	2.7 - 4.1	5,100
White	29.3	27.9 - 30.7	140,900	8.2	6.0 - 10.3	6,500	16.7	13.8 - 19.5	15,700	34.8	32.1 - 37.6	52,500	43.0	39.9 - 46.1	64,900
Asian/Pacific Islander	15.3	13.9 - 16.7	73,700	2.3	1.1 - 3.6	1,800	7.1	4.7 - 9.4	6,700	8.9	7.0 - 10.7	13,300	34.0	30.7 - 37.3	51,200
Born outside the U.S.	37.9	36.2 - 39.6	185,700	55.7	51.3 - 60.1	44,500	43.1	39.3 - 46.9	41,400	22.6	19.9 - 25.2	34,500	40.6	37.4 - 43.9	63,200
Speaks non-English language at home	30.1	28.5 - 31.7	144,800	49.1	44.7 - 53.6	39,000	40.2	36.4 - 44.0	38,100	17.2	14.8 - 19.5	26,200	26.7	23.6 - 29.8	40,400
Lives in a high poverty neighborhood	38.9	37.3 - 40.5	182,900	62.3	57.9 - 66.6	46,600	52.8	48.9 - 56.8	48,500	38.2	35.3 - 41.1	56,300	18.8	16.2 - 21.4	28,400
Income as a percent of the Federal Poverty Guideline															
0-100%	41.0	39.5 - 42.4	188,800	81.2	77.6 - 84.8	58,800	65.2	61.3 - 69.0	57,900	39.9	37.0 - 42.8	58,400	7.5	5.9 - 9.1	11,200
101-200%	20.8	19.4 - 22.2	96,000	17.0	13.5 - 20.6	12,300	26.9	23.3 - 30.5	23,900	27.7	25.1 - 30.2	40,500	12.5	10.3 - 14.6	18,700
> 200%	38.2	36.9 - 39.6	176,200	1.8	1.0 - 2.6	1,300	7.9	5.8 - 10.1	7,000	32.5	29.7 - 35.2	47,500	80.0	77.5 - 82.5	119,800

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (N), i.e., numerator of the percent rounded to the nearest hundred, are weighted to represent all women with a live birth who resided in California in 2013-2014. Population estimate (N) is a two-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 Data Snapshots, 2013-2014. California Department of Public Health. 2016.



# MIHA Data Snapshot, California by Income, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California			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		490,200	41.0	39.5 - 42.4	188,800	20.8	19.4 - 22.2	96,000	38.2	36.9 - 39.6	176,200
<b>Health Status before Pregnancy</b>												
In good to excellent health	92.4	91.5 - 93.3	452,800	86.3	84.3 - 88.2	162,700	95.1	93.7 - 96.6	91,200	98.0	97.3 - 98.8	172,700
Chronic conditions												
Diabetes†	2.3	1.8 - 2.8	10,900	3.6	2.5 - 4.7	6,700	2.2	1.2 - 3.3	2,100	1.0	0.5 - 1.5	1,700
Hypertension†	2.5	2.0 - 2.9	11,900	2.6	2.0 - 3.2	4,800	2.7	1.6 - 3.8	2,500	2.2	1.5 - 2.9	3,800
Asthma†	7.8	7.0 - 8.6	37,500	8.8	7.4 - 10.2	16,200	7.4	5.7 - 9.1	6,900	7.2	5.8 - 8.6	12,500
<b>Nutrition and Weight</b>												
Daily folic acid use, month before pregnancy	32.7	31.1 - 34.3	159,900	22.0	19.8 - 24.2	41,300	26.3	22.9 - 29.6	25,200	47.4	44.4 - 50.3	83,400
Overweight before pregnancy	24.7	23.2 - 26.2	114,900	29.0	26.3 - 31.7	50,600	25.3	22.1 - 28.5	23,300	21.4	19.0 - 23.7	37,100
Obese before pregnancy	20.3	18.9 - 21.7	94,400	26.2	23.6 - 28.7	45,700	25.2	21.8 - 28.6	23,200	12.4	10.6 - 14.3	21,700
Inadequate weight gain during pregnancy	17.7	16.2 - 19.2	72,900	19.7	17.1 - 22.3	29,900	21.3	17.6 - 25.1	16,800	13.2	11.3 - 15.2	21,100
Excessive weight gain during pregnancy	41.4	39.5 - 43.2	170,100	40.9	37.8 - 44.0	62,100	38.4	34.5 - 42.2	30,200	42.7	39.7 - 45.8	68,100
Food insecurity during pregnancy	16.6	15.4 - 17.9	80,500	30.1	27.5 - 32.6	55,900	16.8	14.0 - 19.6	16,100	2.5	1.5 - 3.4	4,300
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>												
Physical or psychological IPV during pregnancy	7.1	6.2 - 7.9	34,500	12.5	10.7 - 14.3	23,500	5.1	3.8 - 6.5	4,900	2.4	1.5 - 3.4	4,300
Prenatal depressive symptoms	14.1	12.9 - 15.3	68,900	20.9	18.7 - 23.2	39,400	14.0	11.5 - 16.5	13,400	7.1	5.6 - 8.6	12,600
Postpartum depressive symptoms	13.0	11.8 - 14.1	63,200	18.2	16.1 - 20.4	34,400	12.0	9.8 - 14.3	11,500	8.7	7.1 - 10.2	15,300
<b>Hardships and Support during Pregnancy</b>												
Experienced two or more hardships during childhood	25.3	23.8 - 26.7	121,600	33.9	31.3 - 36.5	62,500	27.2	23.9 - 30.4	25,600	16.1	14.0 - 18.2	28,200
Homeless or did not have a regular place to sleep	2.9	2.4 - 3.4	14,000	5.4	4.4 - 6.5	10,200	1.7	1.0 - 2.5	1,700	0.5*	0.1 - 0.9	900
Moved due to problems paying rent or mortgage	6.9	6.0 - 7.7	33,600	11.8	10.1 - 13.6	22,200	5.7	4.2 - 7.1	5,400	1.9	1.1 - 2.8	3,400
Woman or partner lost job	14.6	13.4 - 15.8	71,000	22.8	20.4 - 25.2	42,400	16.2	13.4 - 19.1	15,500	5.5	4.2 - 6.7	9,600
Woman or partner had pay or hours cut back	11.8	10.7 - 12.8	57,100	16.0	14.0 - 17.9	29,700	12.5	10.2 - 14.8	11,900	7.5	5.9 - 9.0	13,100
Became separated or divorced	7.6	6.7 - 8.5	37,000	13.0	11.1 - 14.9	24,300	7.6	5.5 - 9.7	7,200	1.6	0.9 - 2.2	2,700
Had no practical or emotional support	4.4	3.7 - 5.2	21,700	8.1	6.4 - 9.7	15,200	2.7	1.9 - 3.4	2,600	1.5	0.8 - 2.3	2,700
<b>Substance Use</b>												
Any smoking, 3 months before pregnancy	11.6	10.5 - 12.7	56,500	16.1	14.1 - 18.1	30,200	12.0	9.4 - 14.6	11,500	6.9	5.5 - 8.3	12,000
Any smoking, 3rd trimester†	2.9	2.3 - 3.4	13,900	5.0	3.9 - 6.1	9,400	3.3	1.7 - 4.9	3,200	0.6	0.3 - 0.9	1,100
Any smoking, postpartum	5.6	4.8 - 6.3	27,300	9.0	7.6 - 10.4	16,900	6.6	4.4 - 8.8	6,300	2.0	1.3 - 2.7	3,500
Any binge drinking, 3 months before pregnancy	15.1	13.8 - 16.3	72,900	13.5	11.6 - 15.5	25,200	17.0	14.2 - 19.7	16,000	16.8	14.6 - 18.9	29,300
Any alcohol use, 3rd trimester†	7.6	6.6 - 8.6	37,000	4.3	3.0 - 5.7	8,200	4.9	3.1 - 6.7	4,700	13.1	11.1 - 15.0	22,900
<b>Pregnancy Intention and Family Planning</b>												
Mistimed or unwanted pregnancy	31.2	29.6 - 32.8	151,800	43.3	40.5 - 46.1	81,300	34.7	31.0 - 38.3	33,000	15.8	13.7 - 17.9	27,700
Unsure of pregnancy intentions	12.9	11.8 - 14.0	62,700	16.4	14.4 - 18.3	30,700	14.6	11.9 - 17.3	13,900	7.8	6.2 - 9.4	13,700
Postpartum birth control use†	81.6	80.3 - 83.0	390,200	82.9	80.9 - 84.9	151,700	82.7	79.7 - 85.8	77,900	79.8	77.3 - 82.2	138,400
<b>Infant Sleep and Breastfeeding</b>												
Placed infant on back to sleep	79.7	78.3 - 81.1	383,200	74.5	72.1 - 77.0	137,800	82.0	79.0 - 84.9	77,400	84.3	82.0 - 86.5	146,600
Infant always or often shared bed	34.1	32.5 - 35.7	163,700	39.3	36.6 - 41.9	72,600	34.4	30.9 - 38.0	32,400	28.7	26.0 - 31.4	49,800
Intended to breastfeed, before birth	92.4	91.5 - 93.4	444,100	90.2	88.6 - 91.7	166,200	92.9	91.0 - 94.8	87,800	95.4	94.1 - 96.6	165,800
Intended to breastfeed exclusively, before birth	64.2	62.6 - 65.9	308,500	56.3	53.5 - 59.1	103,800	61.7	57.9 - 65.4	58,300	75.1	72.4 - 77.7	130,600
Breastfeeding practices												
Any breastfeeding, 1 month after delivery	83.5	82.3 - 84.8	398,500	77.9	75.6 - 80.3	142,500	81.6	78.7 - 84.5	76,300	91.0	89.3 - 92.6	157,300
Exclusive breastfeeding, 1 month after delivery	42.7	41.0 - 44.4	200,700	36.9	34.2 - 39.6	66,000	41.1	37.4 - 44.9	38,100	50.1	47.2 - 53.1	85,600
Any breastfeeding, 3 months after delivery	66.2	64.3 - 68.2	244,200	56.2	52.9 - 59.4	82,800	61.9	57.5 - 66.3	44,300	81.1	78.4 - 83.8	101,800
Exclusive breastfeeding, 3 months after delivery	27.4	25.7 - 29.1	99,800	18.8	16.5 - 21.2	27,300	25.6	21.9 - 29.3	18,200	39.5	36.1 - 42.9	49,000



# MIHA Data Snapshot, California by Income, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California			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	70.4	68.8 - 71.9	344,100	62.3	59.6 - 65.0	117,300	63.8	60.1 - 67.5	61,100	83.7	81.5 - 85.9	147,100
Initiated prenatal care in 1st trimester	89.7	88.7 - 90.6	433,500	83.7	81.8 - 85.6	156,000	89.0	86.8 - 91.1	84,600	97.2	96.4 - 98.1	169,500
Had a postpartum medical visit	87.5	86.4 - 88.7	427,500	79.5	77.2 - 81.8	149,700	88.4	85.9 - 90.8	84,400	96.3	95.1 - 97.5	169,400
Mom or infant needed but couldn't afford care postpartum	12.6	11.4 - 13.7	59,700	19.0	16.7 - 21.3	34,900	16.6	13.9 - 19.4	15,400	3.6	2.7 - 4.6	6,200
Participated in WIC during pregnancy†	54.1	52.9 - 55.4	259,300	89.5	88.0 - 91.1	168,400	66.6	63.1 - 70.1	63,500	5.6	4.5 - 6.8	9,900
Received CalFresh (food stamps) during pregnancy	24.9	23.6 - 26.3	121,000	52.3	49.5 - 55.0	98,000	15.0	12.6 - 17.4	14,200	0.8	0.4 - 1.1	1,400
Pre-pregnancy insurance												
Medi-Cal	24.5	23.1 - 25.8	119,600	48.2	45.4 - 50.9	90,700	18.3	15.5 - 21.1	17,500	1.3	0.8 - 1.8	2,200
Uninsured	24.0	22.6 - 25.4	117,500	37.3	34.6 - 40.1	70,300	33.8	30.1 - 37.4	32,300	3.5	2.5 - 4.5	6,200
Private	47.5	46.2 - 48.9	232,500	11.0	9.3 - 12.7	20,700	41.6	37.9 - 45.3	39,900	91.7	90.3 - 93.2	161,600
Prenatal insurance												
Medi-Cal	49.7	48.4 - 51.0	242,800	88.8	87.1 - 90.5	167,200	54.1	50.4 - 57.9	51,900	3.8	3.0 - 4.7	6,800
Uninsured	1.6	1.2 - 2.0	7,900	1.8	1.2 - 2.4	3,500	2.1*	0.9 - 3.4	2,100	0.6*	0.2 - 1.1	1,100
Private	44.5	43.1 - 45.8	217,100	7.8	6.3 - 9.3	14,700	34.4	30.8 - 38.0	33,000	91.0	89.6 - 92.5	160,200
Maternal postpartum insurance												
Medi-Cal	36.2	34.7 - 37.6	175,700	67.4	64.8 - 70.1	126,100	35.1	31.5 - 38.7	33,400	2.2	1.6 - 2.8	3,800
Uninsured	15.0	13.8 - 16.2	72,800	23.2	20.7 - 25.6	43,300	21.0	17.8 - 24.1	19,900	2.7	1.8 - 3.7	4,800
Private	45.7	44.3 - 47.0	221,900	7.8	6.3 - 9.2	14,600	38.0	34.3 - 41.7	36,100	91.7	90.2 - 93.1	161,400
Infant health insurance												
Medi-Cal	52.2	50.9 - 53.6	250,400	90.4	88.7 - 92.1	166,100	62.7	59.1 - 66.3	59,000	4.7	3.7 - 5.6	8,100
Uninsured	2.9	2.2 - 3.5	13,700	3.1	2.1 - 4.0	5,600	4.9	3.0 - 6.8	4,600	1.3	0.7 - 1.9	2,200
Private	41.3	40.0 - 42.6	198,000	4.6	3.4 - 5.8	8,500	26.1	22.8 - 29.4	24,600	89.9	88.4 - 91.5	156,700
<b>Maternal Demographics</b>												
Did not complete high school (or GED)	16.5	15.2 - 17.7	79,900	31.5	28.9 - 34.2	58,800	12.9	10.2 - 15.6	12,300	0.7	0.4 - 1.1	1,300
Unmarried	40.9	39.4 - 42.4	199,000	67.2	64.5 - 69.8	126,200	41.2	37.5 - 45.0	39,400	10.4	8.9 - 12.0	18,300
Race/Ethnicity												
Hispanic	49.2	47.7 - 50.7	236,500	70.4	68.1 - 72.7	131,700	58.0	54.3 - 61.7	54,600	19.0	16.7 - 21.3	32,400
Black	5.7	5.3 - 6.1	27,400	8.3	7.4 - 9.2	15,500	5.7	4.5 - 6.9	5,400	3.1	2.4 - 3.7	5,200
White	29.3	27.9 - 30.7	140,900	14.5	12.7 - 16.3	27,100	23.7	20.7 - 26.8	22,300	50.3	47.4 - 53.3	85,900
Asian/Pacific Islander	15.3	13.9 - 16.7	73,700	6.2	4.7 - 7.7	11,600	12.1	9.4 - 14.8	11,400	27.4	24.4 - 30.3	46,700
Born outside the U.S.	37.9	36.2 - 39.6	185,700	41.4	38.7 - 44.2	78,200	36.4	32.7 - 40.1	34,900	31.9	29.0 - 34.8	56,200
Speaks non-English language at home	30.1	28.5 - 31.7	144,800	36.8	34.1 - 39.4	68,600	31.8	28.1 - 35.4	30,300	19.4	16.8 - 22.1	33,600
Lives in a high poverty neighborhood	38.9	37.3 - 40.5	182,900	58.4	55.7 - 61.2	104,800	41.2	37.4 - 44.9	37,400	16.1	13.8 - 18.3	27,600

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (N), i.e., numerator of the percent rounded to the nearest hundred, are weighted to represent all women with a live birth who resided in California in 2013-2014. Population estimate (N) is a two-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, California by Neighborhood Poverty, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California			0-4.9% of Residents below Poverty			5-9.9% of Residents below Poverty			10-19.9% of Residents below Poverty			≥ 20% of Residents below Poverty		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
<b>Total</b>	100		490,200	10.5	9.5 - 11.5	49,100	20.6	19.2 - 22.0	96,900	30.0	28.4 - 31.6	141,200	38.9	37.3 - 40.5	182,900
<b>Health Status before Pregnancy</b>															
In good to excellent health	92.4	91.5 - 93.3	452,800	97.6	96.5 - 98.8	47,800	96.1	94.7 - 97.5	93,000	93.1	91.4 - 94.8	131,300	88.9	87.1 - 90.7	162,500
Chronic conditions															
Diabetes†	2.3	1.8 - 2.8	10,900	0.5*	0.1 - 1.0	300	1.7*	0.6 - 2.9	1,700	2.1	1.2 - 3.0	2,900	3.0	2.1 - 4.0	5,400
Hypertension†	2.5	2.0 - 2.9	11,900	1.4	0.6 - 2.3	700	2.9	1.4 - 4.4	2,800	2.4	1.7 - 3.1	3,300	2.7	1.9 - 3.5	4,800
Asthma†	7.8	7.0 - 8.6	37,500	8.8	6.1 - 11.4	4,200	6.8	5.2 - 8.4	6,600	8.7	6.9 - 10.5	12,000	7.5	6.3 - 8.7	13,400
<b>Nutrition and Weight</b>															
Daily folic acid use, month before pregnancy	32.7	31.1 - 34.3	159,900	45.8	40.6 - 51.1	22,500	40.5	36.7 - 44.4	39,200	31.7	28.7 - 34.6	44,600	26.2	23.6 - 28.7	47,800
Overweight before pregnancy	24.7	23.2 - 26.2	114,900	20.1	15.8 - 24.3	9,500	23.4	20.1 - 26.8	22,000	22.3	19.7 - 24.8	30,000	28.0	25.3 - 30.7	47,600
Obese before pregnancy	20.3	18.9 - 21.7	94,400	11.2	8.5 - 13.9	5,300	13.5	11.0 - 16.0	12,700	21.4	18.6 - 24.1	28,800	25.9	23.3 - 28.5	44,100
Inadequate weight gain during pregnancy	17.7	16.2 - 19.2	72,900	13.0	9.4 - 16.5	5,600	14.2	11.5 - 17.0	11,900	17.2	14.5 - 20.0	20,800	20.9	18.1 - 23.6	31,000
Excessive weight gain during pregnancy	41.4	39.5 - 43.2	170,100	40.3	34.8 - 45.7	17,300	41.1	37.0 - 45.2	34,300	42.2	38.9 - 45.5	50,900	41.7	38.5 - 44.9	61,900
Food insecurity during pregnancy	16.6	15.4 - 17.9	80,500	5.9	4.1 - 7.7	2,900	10.3	7.9 - 12.8	9,900	16.5	14.2 - 18.8	23,000	22.4	20.0 - 24.9	40,500
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>															
Physical or psychological IPV during pregnancy	7.1	6.2 - 7.9	34,500	2.9	1.6 - 4.2	1,400	4.5	3.0 - 6.0	4,300	7.4	5.7 - 9.1	10,400	8.8	7.3 - 10.3	16,000
Prenatal depressive symptoms	14.1	12.9 - 15.3	68,900	8.7	6.1 - 11.4	4,300	11.1	8.9 - 13.3	10,800	15.4	13.0 - 17.8	21,700	16.4	14.3 - 18.5	29,800
Postpartum depressive symptoms	13.0	11.8 - 14.1	63,200	10.7	7.6 - 13.8	5,200	10.8	8.5 - 13.0	10,400	13.1	11.0 - 15.1	18,400	14.4	12.4 - 16.4	26,300
<b>Hardships and Support during Pregnancy</b>															
Experienced two or more hardships during childhood	25.3	23.8 - 26.7	121,600	13.8	10.6 - 16.9	6,700	20.1	16.9 - 23.2	19,200	26.7	24.0 - 29.4	37,100	29.8	27.2 - 32.4	53,300
Homeless or did not have a regular place to sleep	2.9	2.4 - 3.4	14,000	1.6*	0.2 - 3.0	800	1.8	0.8 - 2.7	1,700	3.2	2.1 - 4.3	4,500	3.3	2.5 - 4.1	6,100
Moved due to problems paying rent or mortgage	6.9	6.0 - 7.7	33,600	2.9	1.6 - 4.2	1,400	5.6	3.9 - 7.3	5,400	6.0	4.7 - 7.3	8,400	9.2	7.4 - 10.9	16,700
Woman or partner lost job	14.6	13.4 - 15.8	71,000	6.0	4.0 - 8.0	2,900	9.4	7.3 - 11.5	9,100	15.4	13.2 - 17.7	21,600	18.2	15.9 - 20.5	32,900
Woman or partner had pay or hours cut back	11.8	10.7 - 12.8	57,100	6.6	4.3 - 8.8	3,200	9.6	7.4 - 11.9	9,300	12.4	10.6 - 14.3	17,400	12.9	11.0 - 14.8	23,300
Became separated or divorced	7.6	6.7 - 8.5	37,000	3.2	1.7 - 4.8	1,600	4.0	2.5 - 5.4	3,800	8.3	6.5 - 10.1	11,600	10.2	8.4 - 11.9	18,500
Had no practical or emotional support	4.4	3.7 - 5.2	21,700	2.4	1.0 - 3.8	1,200	2.8	1.4 - 4.2	2,700	4.4	3.0 - 5.8	6,200	5.5	4.2 - 6.9	10,100
<b>Substance Use</b>															
Any smoking, 3 months before pregnancy	11.6	10.5 - 12.7	56,500	6.1	3.8 - 8.4	3,000	9.2	7.0 - 11.4	8,900	14.4	12.1 - 16.7	20,200	12.4	10.6 - 14.2	22,500
Any smoking, 3rd trimester†	2.9	2.3 - 3.4	13,900	--			1.8	0.8 - 2.8	1,800	2.8	1.8 - 3.8	4,000	3.8	2.7 - 4.8	6,900
Any smoking, postpartum	5.6	4.8 - 6.3	27,300	4.2	1.8 - 6.7	2,100	4.0	2.5 - 5.5	3,900	6.4	4.8 - 7.9	9,000	6.2	5.0 - 7.4	11,300
Any binge drinking, 3 months before pregnancy	15.1	13.8 - 16.3	72,900	15.0	11.7 - 18.4	7,300	14.9	12.1 - 17.8	14,400	17.9	15.5 - 20.4	25,000	13.3	11.4 - 15.3	24,000
Any alcohol use, 3rd trimester†	7.6	6.6 - 8.6	37,000	11.9	8.6 - 15.2	5,800	10.9	8.4 - 13.4	10,500	6.7	5.1 - 8.2	9,300	5.8	4.2 - 7.4	10,500
<b>Pregnancy Intention and Family Planning</b>															
Mistimed or unwanted pregnancy	31.2	29.6 - 32.8	151,800	17.9	14.2 - 21.5	8,700	22.5	19.3 - 25.7	21,700	32.7	29.8 - 35.7	45,900	38.4	35.5 - 41.3	69,600
Unsure of pregnancy intentions	12.9	11.8 - 14.0	62,700	11.7	7.9 - 15.6	5,700	11.9	9.3 - 14.5	11,500	11.0	9.2 - 12.8	15,400	14.6	12.7 - 16.6	26,500
Postpartum birth control use†	81.6	80.3 - 83.0	390,200	81.0	77.0 - 85.0	38,900	77.5	73.9 - 81.0	73,400	83.1	80.7 - 85.5	114,500	82.4	80.3 - 84.6	146,700
<b>Infant Sleep and Breastfeeding</b>															
Placed infant on back to sleep	79.7	78.3 - 81.1	383,200	81.6	77.2 - 86.0	39,300	79.8	76.5 - 83.1	76,200	83.4	81.2 - 85.6	115,300	75.9	73.4 - 78.5	136,200
Infant always or often shared bed	34.1	32.5 - 35.7	163,700	29.7	24.7 - 34.7	14,200	31.9	28.2 - 35.6	30,500	32.4	29.6 - 35.2	44,700	37.2	34.5 - 40.0	66,700
Intended to breastfeed, before birth	92.4	91.5 - 93.4	444,100	95.9	94.2 - 97.6	46,500	93.4	91.0 - 95.7	89,200	92.5	90.8 - 94.2	127,300	90.9	89.4 - 92.4	162,900
Intended to breastfeed exclusively, before birth	64.2	62.6 - 65.9	308,500	72.5	67.6 - 77.5	35,200	70.8	67.1 - 74.4	67,600	67.2	64.1 - 70.2	92,400	56.8	53.9 - 59.7	101,800
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	83.5	82.3 - 84.8	398,500	89.3	85.5 - 93.1	43,000	87.8	85.3 - 90.4	82,700	83.8	81.4 - 86.2	115,300	79.4	77.2 - 81.7	141,300
Exclusive breastfeeding, 1 month after delivery	42.7	41.0 - 44.4	200,700	48.9	43.5 - 54.2	22,800	48.0	44.0 - 52.0	45,000	43.5	40.4 - 46.7	58,800	36.9	34.1 - 39.6	64,600
Any breastfeeding, 3 months after delivery	66.2	64.3 - 68.2	244,200	79.6	74.4 - 84.7	28,000	73.8	69.8 - 77.8	52,900	67.3	63.8 - 70.9	71,900	58.5	55.2 - 61.8	81,700
Exclusive breastfeeding, 3 months after delivery	27.4	25.7 - 29.1	99,800	38.2	32.1 - 44.3	13,100	35.9	31.5 - 40.2	25,700	29.1	25.9 - 32.3	30,600	19.2	16.7 - 21.6	26,500



# MIHA Data Snapshot, California by Neighborhood Poverty, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California			0-4.9% of Residents below Poverty			5-9.9% of Residents below Poverty			10-19.9% of Residents below Poverty			≥ 20% of Residents below Poverty		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
<b>Service Utilization and Health Insurance Coverage</b>															
Had a usual source of pre-pregnancy care	70.4	68.8 - 71.9	344,100	77.8	73.4 - 82.3	38,200	75.8	72.5 - 79.2	73,000	70.3	67.4 - 73.2	99,100	65.8	63.1 - 68.6	120,200
Initiated prenatal care in 1st trimester	89.7	88.7 - 90.6	433,500	93.9	91.8 - 95.9	45,600	94.2	92.6 - 95.8	90,500	89.7	88.0 - 91.4	124,800	86.7	84.9 - 88.5	156,200
Had a postpartum medical visit	87.5	86.4 - 88.7	427,500	93.3	90.5 - 96.1	45,800	91.4	89.1 - 93.7	88,400	87.9	85.8 - 90.0	123,600	84.3	82.2 - 86.4	153,300
Mom or infant needed but couldn't afford care postpartum	12.6	11.4 - 13.7	59,700	6.2	4.0 - 8.5	3,000	8.7	6.6 - 10.8	8,200	12.2	10.1 - 14.3	16,600	16.0	13.8 - 18.2	28,200
Participated in WIC during pregnancy†	54.1	52.9 - 55.4	259,300	16.8	13.4 - 20.3	8,100	29.3	26.0 - 32.6	27,300	52.1	49.1 - 55.1	72,000	77.3	75.0 - 79.6	139,200
Received CalFresh (food stamps) during pregnancy	24.9	23.6 - 26.3	121,000	6.0	4.1 - 7.9	3,000	10.7	8.5 - 12.9	10,300	21.5	19.0 - 24.1	30,000	39.5	36.8 - 42.3	71,500
Pre-pregnancy insurance															
Medi-Cal	24.5	23.1 - 25.8	119,600	6.4	4.6 - 8.2	3,100	10.3	8.3 - 12.3	9,900	24.2	21.5 - 26.9	34,100	36.7	34.0 - 39.3	66,900
Uninsured	24.0	22.6 - 25.4	117,500	8.2	5.9 - 10.4	4,000	16.4	13.4 - 19.4	15,900	22.0	19.4 - 24.6	31,000	33.2	30.4 - 36.0	60,500
Private	47.5	46.2 - 48.9	232,500	82.0	78.7 - 85.4	40,300	69.1	65.7 - 72.6	66,900	48.3	45.3 - 51.3	68,100	27.4	24.8 - 29.9	49,900
Prenatal insurance															
Medi-Cal	49.7	48.4 - 51.0	242,800	14.1	11.5 - 16.8	6,900	26.5	23.3 - 29.7	25,600	47.5	44.5 - 50.5	66,900	71.9	69.4 - 74.5	130,800
Uninsured	1.6	1.2 - 2.0	7,900	1.4*	0.6 - 2.3	700	2.0*	0.7 - 3.2	1,900	1.4	0.7 - 2.2	2,000	1.5	0.8 - 2.2	2,800
Private	44.5	43.1 - 45.8	217,100	79.3	75.7 - 82.8	38,900	67.1	63.6 - 70.6	64,800	45.0	42.0 - 48.0	63,400	24.0	21.5 - 26.5	43,700
Maternal postpartum insurance															
Medi-Cal	36.2	34.7 - 37.6	175,700	10.4	8.1 - 12.6	5,100	18.1	15.3 - 20.8	17,400	33.6	30.7 - 36.5	46,900	53.5	50.6 - 56.3	97,000
Uninsured	15.0	13.8 - 16.2	72,800	6.4	3.8 - 9.0	3,100	9.1	6.9 - 11.3	8,800	14.5	12.2 - 16.7	20,200	20.4	18.0 - 22.8	37,000
Private	45.7	44.3 - 47.0	221,900	80.3	76.7 - 83.9	39,300	68.7	65.3 - 72.1	66,000	47.1	44.1 - 50.1	65,700	24.8	22.3 - 27.2	44,900
Infant health insurance															
Medi-Cal	52.2	50.9 - 53.6	250,400	17.8	14.5 - 21.1	8,600	29.4	26.1 - 32.8	28,100	48.8	45.8 - 51.9	67,200	75.1	72.6 - 77.5	134,300
Uninsured	2.9	2.2 - 3.5	13,700	2.5*	0.8 - 4.2	1,200	2.0	1.0 - 3.1	1,900	3.7	2.4 - 5.0	5,100	2.4	1.6 - 3.2	4,300
Private	41.3	40.0 - 42.6	198,000	76.8	72.9 - 80.6	36,900	64.6	61.0 - 68.1	61,500	42.0	39.0 - 45.0	57,800	20.3	18.0 - 22.7	36,400
<b>Maternal Demographics</b>															
Age															
15-19	5.6	4.9 - 6.4	27,500	1.7*	0.6 - 2.8	900	2.3	1.4 - 3.3	2,300	5.1	3.9 - 6.3	7,200	8.6	7.0 - 10.2	15,800
20-34	74.5	73.0 - 76.0	365,300	67.8	62.9 - 72.7	33,300	72.6	69.0 - 76.2	70,300	75.3	72.5 - 78.0	106,300	76.5	74.1 - 79.0	140,000
35+	19.9	18.5 - 21.3	97,400	30.5	25.6 - 35.3	15,000	25.1	21.6 - 28.7	24,300	19.6	17.1 - 22.2	27,700	14.8	12.8 - 16.9	27,200
Did not complete high school (or GED)	16.5	15.2 - 17.7	79,900	3.5	1.9 - 5.1	1,700	7.3	5.2 - 9.3	7,000	14.0	11.7 - 16.2	19,500	25.9	23.4 - 28.5	46,600
Unmarried	40.9	39.4 - 42.4	199,000	15.8	12.5 - 19.1	7,800	25.2	21.9 - 28.5	24,300	40.2	37.1 - 43.2	56,400	55.8	52.9 - 58.7	100,900
Race/Ethnicity															
Hispanic	49.2	47.7 - 50.7	236,500	17.8	14.4 - 21.2	8,600	29.7	26.2 - 33.2	27,800	47.8	44.7 - 50.9	66,200	67.2	64.6 - 69.7	121,300
Black	5.7	5.3 - 6.1	27,400	2.1	1.4 - 2.9	1,000	3.1	2.2 - 4.1	2,900	5.8	4.7 - 6.8	8,000	7.8	6.8 - 8.7	14,000
White	29.3	27.9 - 30.7	140,900	48.4	43.2 - 53.5	23,300	42.7	38.8 - 46.5	40,000	32.8	30.0 - 35.6	45,400	16.0	14.0 - 18.0	28,900
Asian/Pacific Islander	15.3	13.9 - 16.7	73,700	31.6	26.2 - 37.0	15,200	24.3	20.4 - 28.2	22,700	13.1	10.8 - 15.5	18,200	8.5	6.6 - 10.4	15,300
Born outside the U.S.	37.9	36.2 - 39.6	185,700	40.3	35.0 - 45.6	19,800	33.8	29.9 - 37.6	32,700	35.1	32.0 - 38.2	49,600	40.1	37.3 - 43.0	73,400
Speaks non-English language at home	30.1	28.5 - 31.7	144,800	23.6	18.9 - 28.3	11,400	24.4	20.9 - 28.0	23,200	26.2	23.4 - 29.0	36,200	36.7	33.9 - 39.5	66,000
Income as a percent of the Federal Poverty Guideline															
0-100%	41.0	39.5 - 42.4	188,800	11.5	8.8 - 14.2	5,500	19.2	16.3 - 22.2	17,500	38.6	35.5 - 41.6	51,500	61.7	58.9 - 64.5	104,800
101-200%	20.8	19.4 - 22.2	96,000	13.9	10.4 - 17.4	6,600	16.1	13.3 - 18.9	14,700	24.1	21.3 - 26.9	32,200	22.1	19.7 - 24.4	37,400
> 200%	38.2	36.9 - 39.6	176,200	74.6	70.4 - 78.8	35,600	64.7	61.1 - 68.3	59,000	37.3	34.3 - 40.4	49,900	16.3	14.1 - 18.4	27,600

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (N), i.e., numerator of the percent rounded to the nearest hundred, are weighted to represent all women with a live birth who resided in California in 2013-2014. Population estimate (N) is a two-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).

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# MIHA Data Snapshot, California by Geographical Area, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

	California			Urban			Rural/Frontier		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
<b>Total</b>	100		490,200	88.0	87.3 - 88.6	413,600	12.0	11.4 - 12.7	56,500
<b>Health Status before Pregnancy</b>									
In good to excellent health	92.4	91.5 - 93.3	452,800	92.7	91.6 - 93.7	382,900	91.7	90.3 - 93.1	51,800
Chronic conditions									
Diabetes†	2.3	1.8 - 2.8	10,900	2.3	1.7 - 2.8	9,300	1.8	1.3 - 2.4	1,000
Hypertension†	2.5	2.0 - 2.9	11,900	2.5	2.0 - 3.0	10,100	2.7	1.9 - 3.5	1,500
Asthma†	7.8	7.0 - 8.6	37,500	7.6	6.7 - 8.5	30,800	9.6	7.9 - 11.2	5,300
<b>Nutrition and Weight</b>									
Daily folic acid use, month before pregnancy	32.7	31.1 - 34.3	159,900	33.2	31.4 - 35.0	137,000	30.4	27.4 - 33.4	17,100
Overweight before pregnancy	24.7	23.2 - 26.2	114,900	24.2	22.5 - 25.9	95,400	26.1	23.4 - 28.8	13,800
Obese before pregnancy	20.3	18.9 - 21.7	94,400	20.1	18.5 - 21.7	79,100	22.2	19.7 - 24.8	11,700
Inadequate weight gain during pregnancy	17.7	16.2 - 19.2	72,900	17.7	16.0 - 19.3	61,700	16.3	13.7 - 18.9	7,600
Excessive weight gain during pregnancy	41.4	39.5 - 43.2	170,100	41.1	39.0 - 43.2	143,400	45.2	41.8 - 48.6	21,000
Food insecurity during pregnancy	16.6	15.4 - 17.9	80,500	16.2	14.8 - 17.6	66,200	18.0	15.6 - 20.3	10,100
<b>Intimate Partner Violence (IPV) and Depressive Symptoms</b>									
Physical or psychological IPV during pregnancy	7.1	6.2 - 7.9	34,500	6.7	5.7 - 7.6	27,500	8.4	7.1 - 9.8	4,700
Prenatal depressive symptoms	14.1	12.9 - 15.3	68,900	14.1	12.8 - 15.4	58,100	14.9	12.5 - 17.4	8,400
Postpartum depressive symptoms	13.0	11.8 - 14.1	63,200	12.7	11.4 - 13.9	52,300	14.3	12.1 - 16.5	8,000
<b>Hardships and Support during Pregnancy</b>									
Experienced two or more hardships during childhood	25.3	23.8 - 26.7	121,600	24.7	23.0 - 26.3	100,300	28.8	26.1 - 31.6	16,000
Homeless or did not have a regular place to sleep	2.9	2.4 - 3.4	14,000	2.7	2.2 - 3.3	11,200	3.3	2.5 - 4.1	1,800
Moved due to problems paying rent or mortgage	6.9	6.0 - 7.7	33,600	6.9	5.9 - 7.8	28,200	6.6	5.2 - 8.1	3,700
Woman or partner lost job	14.6	13.4 - 15.8	71,000	14.3	13.0 - 15.7	58,700	13.9	11.8 - 16.0	7,800
Woman or partner had pay or hours cut back	11.8	10.7 - 12.8	57,100	11.4	10.2 - 12.6	46,800	11.4	9.8 - 12.9	6,400
Became separated or divorced	7.6	6.7 - 8.5	37,000	7.6	6.6 - 8.7	31,400	7.3	6.1 - 8.6	4,100
Had no practical or emotional support	4.4	3.7 - 5.2	21,700	4.4	3.6 - 5.3	18,300	3.5	2.7 - 4.3	2,000
<b>Substance Use</b>									
Any smoking, 3 months before pregnancy	11.6	10.5 - 12.7	56,500	11.5	10.3 - 12.8	47,300	12.9	11.3 - 14.5	7,200
Any smoking, 3rd trimester†	2.9	2.3 - 3.4	13,900	2.6	2.0 - 3.2	10,700	4.6	3.6 - 5.6	2,600
Any smoking, postpartum	5.6	4.8 - 6.3	27,300	5.3	4.5 - 6.2	22,000	7.5	6.2 - 8.8	4,200
Any binge drinking, 3 months before pregnancy	15.1	13.8 - 16.3	72,900	15.4	14.0 - 16.8	62,800	14.1	12.4 - 15.8	7,800
Any alcohol use, 3rd trimester†	7.6	6.6 - 8.6	37,000	7.9	6.8 - 9.0	32,400	6.5	4.8 - 8.2	3,700
<b>Pregnancy Intention and Family Planning</b>									
Mistimed or unwanted pregnancy	31.2	29.6 - 32.8	151,800	31.3	29.5 - 33.1	128,600	31.0	28.3 - 33.7	17,300
Unsure of pregnancy intentions	12.9	11.8 - 14.0	62,700	12.6	11.4 - 13.9	51,900	13.0	10.9 - 15.0	7,200
Postpartum birth control use†	81.6	80.3 - 83.0	390,200	81.0	79.5 - 82.6	326,800	84.6	82.3 - 87.0	46,700
<b>Infant Sleep and Breastfeeding</b>									
Placed infant on back to sleep	79.7	78.3 - 81.1	383,200	79.7	78.1 - 81.3	323,200	78.8	76.5 - 81.2	43,800
Infant always or often shared bed	34.1	32.5 - 35.7	163,700	33.4	31.6 - 35.3	135,400	37.2	34.4 - 39.9	20,700
Intended to breastfeed, before birth	92.4	91.5 - 93.4	444,100	92.5	91.5 - 93.6	374,900	91.5	90.1 - 93.0	51,000
Intended to breastfeed exclusively, before birth	64.2	62.6 - 65.9	308,500	63.9	62.0 - 65.8	259,000	68.2	65.4 - 71.0	38,000
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	83.5	82.3 - 84.8	398,500	83.6	82.2 - 85.1	336,900	82.5	80.4 - 84.6	45,400
Exclusive breastfeeding, 1 month after delivery	42.7	41.0 - 44.4	200,700	41.7	39.7 - 43.6	165,200	48.0	44.9 - 51.1	26,100
Any breastfeeding, 3 months after delivery	66.2	64.3 - 68.2	244,200	66.6	64.4 - 68.7	207,200	65.0	61.6 - 68.4	27,300
Exclusive breastfeeding, 3 months after delivery	27.4	25.7 - 29.1	99,800	26.6	24.7 - 28.6	82,000	33.5	29.8 - 37.2	14,000



# MIHA Data Snapshot, California by Geographical Area, 2013-2014

Maternal and Infant Health Assessment (MIHA) Survey

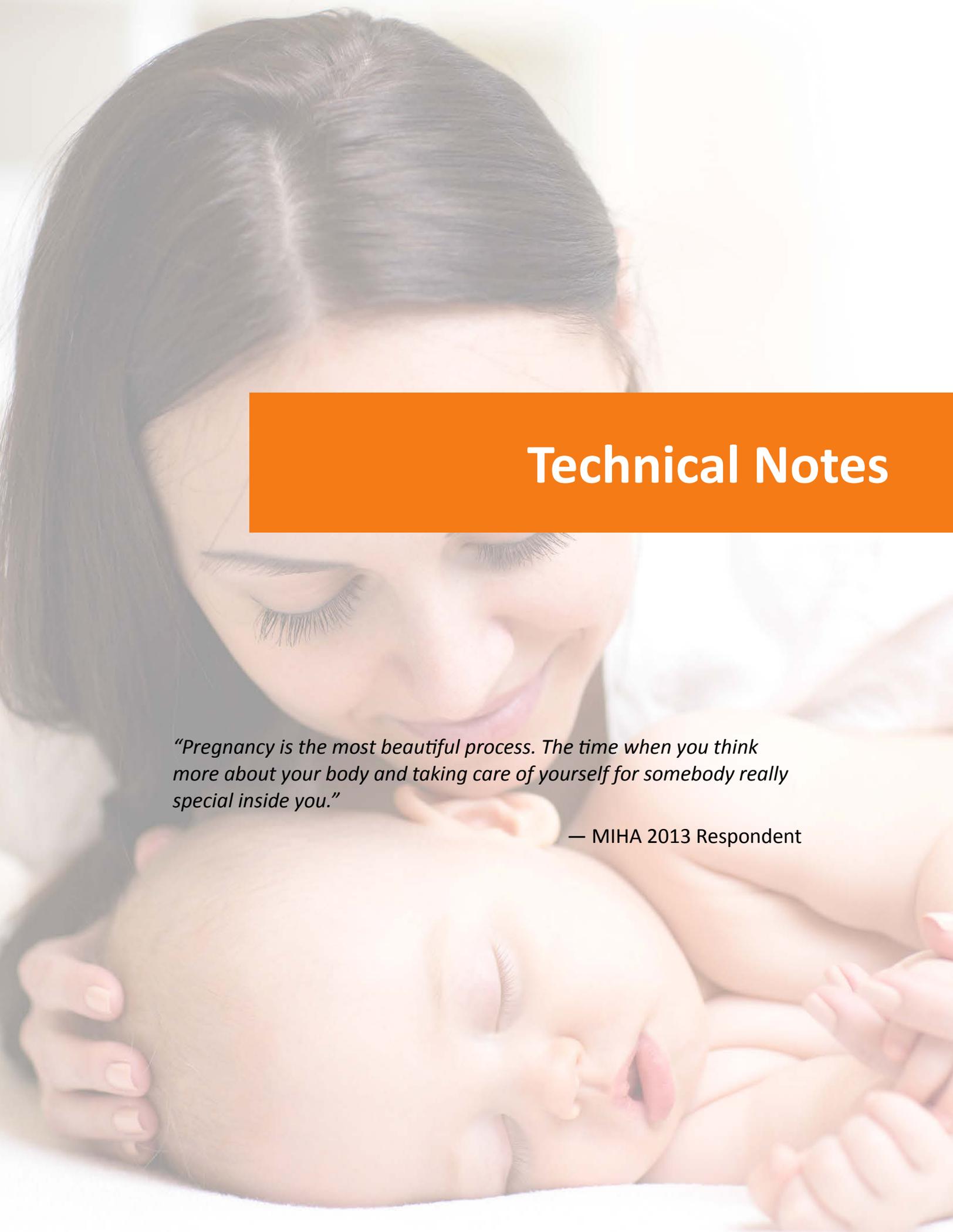
	California				Urban				Rural/Frontier			
	%	95% CI		N	%	95% CI		N	%	95% CI		N
<b>Service Utilization and Health Insurance Coverage</b>												
Had a usual source of pre-pregnancy care	70.4	68.8 - 71.9		344,100	70.5	68.7 - 72.3		290,700	70.6	68.1 - 73.1		39,800
Initiated prenatal care in 1st trimester	89.7	88.7 - 90.6		433,500	90.3	89.2 - 91.3		368,400	87.2	85.3 - 89.0		48,600
Had a postpartum medical visit	87.5	86.4 - 88.7		427,500	87.8	86.5 - 89.1		361,800	87.6	85.9 - 89.4		49,200
Mom or infant needed but couldn't afford care postpartum	12.6	11.4 - 13.7		59,700	12.4	11.1 - 13.7		49,600	11.9	10.2 - 13.6		6,500
Participated in WIC during pregnancy†	54.1	52.9 - 55.4		259,300	52.8	51.3 - 54.2		213,300	60.2	57.1 - 63.3		33,300
Received CalFresh (food stamps) during pregnancy	24.9	23.6 - 26.3		121,000	24.0	22.5 - 25.6		98,500	29.0	26.6 - 31.5		16,300
Pre-pregnancy insurance												
Medi-Cal	24.5	23.1 - 25.8		119,600	23.4	21.9 - 24.9		96,500	31.1	28.4 - 33.8		17,500
Uninsured	24.0	22.6 - 25.4		117,500	23.6	22.0 - 25.2		97,400	24.9	22.5 - 27.2		14,000
Private	47.5	46.2 - 48.9		232,500	49.3	47.8 - 50.9		203,600	38.3	35.3 - 41.3		21,600
Prenatal insurance												
Medi-Cal	49.7	48.4 - 51.0		242,800	47.8	46.3 - 49.3		197,200	58.8	55.7 - 61.8		33,000
Uninsured	1.6	1.2 - 2.0		7,900	1.6	1.1 - 2.1		6,500	1.6	1.0 - 2.2		900
Private	44.5	43.1 - 45.8		217,100	46.5	45.0 - 48.0		191,800	33.7	30.7 - 36.6		18,900
Maternal postpartum insurance												
Medi-Cal	36.2	34.7 - 37.6		175,700	34.3	32.7 - 36.0		140,800	45.6	42.7 - 48.6		25,600
Uninsured	15.0	13.8 - 16.2		72,800	14.9	13.5 - 16.3		61,100	14.2	12.3 - 16.0		7,900
Private	45.7	44.3 - 47.0		221,900	47.8	46.2 - 49.3		195,800	35.9	32.9 - 38.9		20,100
Infant health insurance												
Medi-Cal	52.2	50.9 - 53.6		250,400	50.5	49.0 - 52.0		204,300	61.2	58.0 - 64.3		33,800
Uninsured	2.9	2.2 - 3.5		13,700	2.7	2.0 - 3.3		10,900	3.0	1.9 - 4.0		1,600
Private	41.3	40.0 - 42.6		198,000	43.4	41.9 - 44.9		175,500	31.1	28.1 - 34.1		17,200
<b>Maternal Demographics</b>												
Age												
15-19	5.6	4.9 - 6.4		27,500	5.4	4.5 - 6.2		22,100	7.0	5.8 - 8.2		3,900
20-34	74.5	73.0 - 76.0		365,300	73.9	72.2 - 75.6		305,600	78.3	75.8 - 80.8		44,300
35+	19.9	18.5 - 21.3		97,400	20.8	19.2 - 22.3		85,900	14.7	12.4 - 17.0		8,300
Did not complete high school (or GED)	16.5	15.2 - 17.7		79,900	15.9	14.5 - 17.3		65,200	17.4	15.3 - 19.4		9,700
Unmarried	40.9	39.4 - 42.4		199,000	40.3	38.6 - 42.1		165,600	42.4	39.5 - 45.3		23,800
Race/Ethnicity												
Hispanic	49.2	47.7 - 50.7		236,500	48.1	46.4 - 49.9		195,100	51.7	48.8 - 54.6		28,700
Black	5.7	5.3 - 6.1		27,400	6.1	5.7 - 6.6		24,900	2.0	1.5 - 2.4		1,100
White	29.3	27.9 - 30.7		140,900	28.4	26.8 - 30.0		114,900	40.9	38.0 - 43.8		22,700
Asian/Pacific Islander	15.3	13.9 - 16.7		73,700	17.1	15.4 - 18.7		69,100	4.2	3.0 - 5.4		2,400
Born outside the U.S.	37.9	36.2 - 39.6		185,700	38.7	36.8 - 40.6		160,100	27.2	24.6 - 29.8		15,400
Speaks non-English language at home	30.1	28.5 - 31.7		144,800	30.3	28.4 - 32.1		122,900	25.1	22.8 - 27.4		13,900
Lives in a high poverty neighborhood	38.9	37.3 - 40.5		182,900	37.9	36.1 - 39.6		156,600	46.5	43.5 - 49.5		26,300
Income as a percent of the Federal Poverty Guideline												
0-100%	41.0	39.5 - 42.4		188,800	39.9	38.2 - 41.5		155,300	45.5	42.4 - 48.5		24,000
101-200%	20.8	19.4 - 22.2		96,000	20.0	18.5 - 21.6		78,100	24.4	21.9 - 26.9		12,900
> 200%	38.2	36.9 - 39.6		176,200	40.1	38.6 - 41.6		156,200	30.1	26.9 - 33.3		15,900

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

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

† Measure/definition changed for this indicator and is not comparable to prior years (see Technical Notes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2014 were combined, resulting in a statewide sample size of 13,963. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (N), i.e., numerator of the percent rounded to the nearest hundred, are weighted to represent all women with a live birth who resided in California in 2013-2014. Population estimate (N) is a two-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).

A close-up photograph of a woman with dark hair, looking down at a sleeping baby. The woman's face is partially obscured by an orange banner. The baby is lying on its back, and the woman's hands are visible, gently holding the baby's head and arms. The background is softly blurred, showing a white surface.

# Technical Notes

*“Pregnancy is the most beautiful process. The time when you think more about your body and taking care of yourself for somebody really special inside you.”*

— MIHA 2013 Respondent



# Definition of Indicators

Indicators are based on self-reported data from the MIHA survey and refer to the most recent birth, or pregnancy for the most recent birth, unless otherwise indicated. Unless noted, the denominator for each indicator includes all women with a live birth. The question number corresponding to the MIHA 2014 survey is listed after each definition. Any changes to the survey question or indicator compared to prior years are noted in the definition. The questionnaires can be found at [www.cdph.ca.gov/MIHA/Questionnaires](http://www.cdph.ca.gov/MIHA/Questionnaires).

## Prior Poor Birth Outcomes

Prior low birth weight or preterm delivery (2010-2012 only): Prior to the most recent birth, ever had a baby weighing <2,500 grams at birth or born <37 weeks gestation. (Q2, 3)

Prior delivery by c-section (2010-2012 only): Ever had a cesarean section prior to the most recent birth. (Birth certificate)

## Health Status

In good to excellent health before pregnancy: Self-rated health just before pregnancy. In 2010, the indicator was self-rated *physical* health. In 2011, the survey question was changed from two separate questions on physical health and mental health to one question on “health.” An additional response of “Very good” also was added between response categories “Excellent” and “Good.” Starting in 2011, the indicator is not comparable with prior years. (Q7)

## Chronic Conditions

Diabetes or gestational diabetes: Told by a health care worker that she had diabetes (high blood sugar). Starting in 2014, the question on gestational diabetes during this pregnancy was dropped, therefore the indicator measures only diabetes before pregnancy. Starting with 2013-2014 Snapshots, the indicator is not comparable with prior years. (Q16A)

Hypertension, preeclampsia, or eclampsia: Told by a health care worker that she had hypertension (high blood pressure) before or during this pregnancy. Starting in 2014, preeclampsia, eclampsia, or toxemia during this pregnancy was dropped, therefore the indicator measures only hypertension before pregnancy. Starting with 2013-2014 Snapshots, the indicator is not comparable with prior years. (Q16B)

Asthma: Told by a health care worker that she had asthma before or during this pregnancy. Starting in 2014, asthma during pregnancy was dropped, therefore the indicator measures only hypertension before pregnancy. Starting with 2013-2014 Snapshots, the indicator is not comparable with prior years. (Q16C)

## Nutrition and Weight

Daily folic acid use, month before pregnancy: Took a multivitamin, prenatal vitamin, or folic acid vitamin every day of the week during the month before pregnancy. (Q9)

Overweight/obese before pregnancy: Body Mass Index (BMI) calculated from self-reported weight and height, classified as overweight (25-29.99) or obese (30+). BMI calculated only for women reporting height within 48-83 inches and weight within 75-399 pounds. Starting in 2011, BMI values outside 13-69.99 were also excluded. Because the number of additional women excluded was small, the indicator in 2010 is comparable to subsequent years. (Q10, 13)

Inadequate/excessive weight gain during pregnancy: Adequacy of total weight gained during pregnancy, given pre-pregnancy BMI, was based on the National Academies of Science, Engineering and Medicine guidelines and restricted to women who delivered at 37-42 weeks gestation, singletons and twins, prenatal weight gain within 0-97 pounds, height within 48-83 inches, pre-pregnancy weight within 75-399 pounds, and BMI values within 13-69.99. See guidelines for more detail [www.nationalacademies.org/hmd/Reports/2009/Weight-Gain-During-Pregnancy-Reexamining-the-Guidelines.aspx](http://www.nationalacademies.org/hmd/Reports/2009/Weight-Gain-During-Pregnancy-Reexamining-the-Guidelines.aspx) . (Q10, 11, 13; data on singletons/twins and gestational age from birth certificate)

Food insecurity during pregnancy: Calculated from the modified U.S. Department of Agriculture (USDA) Food Security Module Six Item Short Form and categorized as food secure (0-1) or food insecure (2-6). Responses with one or two missing values were imputed. See USDA guidelines for more detail: [http://www.ers.usda.gov/datafiles/Food\\_Security\\_in\\_the\\_United\\_States/Food\\_Security\\_Survey\\_Modules/short2012.pdf](http://www.ers.usda.gov/datafiles/Food_Security_in_the_United_States/Food_Security_Survey_Modules/short2012.pdf). (Q74-77)

### **Intimate Partner Violence (IPV) and Depressive Symptoms**

Physical IPV in the year before pregnancy (2010 and 2011 only): Pushed, hit, slapped, kicked, choked, or physically hurt in any way by current or former partner during the 12 months before pregnancy.

Physical or psychological IPV during pregnancy: During pregnancy, experienced any of the following: pushed, hit, slapped, kicked, choked, or physically hurt in any way by current or former partner; frightened for safety of self, family, or friends because of current or former partner's anger/threats; current or former partner tried to control most/all daily activities. (Q33-35)

Prenatal depressive symptoms: During pregnancy, experienced both of the following for two weeks or longer: felt sad, empty or depressed for most of the day; lost interest in most things she usually enjoyed. (Q27, 28)

Postpartum depressive symptoms: Since most recent birth, experienced both of the following for two weeks or longer: felt sad, empty or depressed for most of the day; lost interest in most things she usually enjoyed. (Q56, 57)

### **Hardships and Support During Pregnancy**

Experienced two or more hardships during childhood: Composite indicator measuring 2 or more hardships experienced during the woman's childhood (from birth through age 13). Hardships included: a parent or guardian she lived with got divorced or separated; she moved because of problems paying the rent or mortgage; someone in her family went hungry because family could not afford enough food; her parent or guardian got in trouble with the law or went to jail; a parent or guardian she lived with had a serious drinking or drug problem; she was in foster care (removed from her home by the court of child welfare agency), and very often or somewhat often her family experienced difficulty paying for basic needs like food or housing. (Q31A-G, Q32)

Had "a lot" of unpaid bills (2010 only): Had a lot of bills she couldn't pay during pregnancy.

Homeless or did not have a regular place to sleep: Did not have a regular place to sleep at night (moved from house to house) or was homeless (had to sleep outside, in a car or in a shelter) during pregnancy. (Q30C-D)

Moved due to problems paying rent or mortgage: Had to move to a new address during pregnancy because of problems paying the rent or mortgage. Starting in 2011, the indicator is not comparable to prior years, which measured whether a woman moved to a new address for any reason. (Q30B)

Woman or partner lost job: Lost job even though wanted to go on working, or husband or partner lost their job during pregnancy. (Q30E-F)

Woman or partner had pay or hours cut back: Had pay or hours cut back or partner had pay or hours cut back during pregnancy. (Q30G).

Became separated or divorced: Became separated or divorced from partner during pregnancy. (Q30A)

Had no practical or emotional support: During pregnancy, had neither someone to turn to for practical help, like getting a ride somewhere, or help with shopping or cooking a meal; nor someone to turn to if she needed someone to comfort or listen to her. (Q29A-B)

## **Substance Use**

Any smoking, 3 months before pregnancy: Smoked any cigarettes on an average day during the three months before pregnancy. (Q36, 37A)

Any smoking, 1st or 3rd trimester (2010-2012 only): Smoked any cigarettes on an average day during the first or last three months of pregnancy. In 2011, the phrase in italics was added to the question on smoking during the first trimester of pregnancy: “During the first 3 months of your pregnancy (*including before you knew you were pregnant for sure*), how many cigarettes or packs of cigarettes did you smoke on an average day? (A pack has 20 cigarettes.)” Starting in 2011, the indicator is not comparable with prior years.

Any smoking, 3rd trimester: Smoked any cigarettes on an average day during the last three months of pregnancy. In 2014, the question on smoking during the first trimester was taken off of the survey and the indicator was modified starting with 2013-2014 Snapshots. (Q36, 37B)

Any smoking, postpartum: Smoked any cigarettes at the time of the survey. (Q36, 38)

Any binge drinking, 3 months before pregnancy: Drank four or more alcoholic drinks in one sitting (within about two hours) at least one time during the three months before pregnancy. (Q39, 41)

Any alcohol use, 1st or 3rd trimester (2010-2012 only): Drank any alcoholic drinks in an average week during the first or last three months of pregnancy. In 2011, the phrase in italics was added to the question on drinking during the first trimester of pregnancy: “During the first 3 months of your pregnancy (*including before you knew you were pregnant for sure*), about how many drinks with alcohol did you have in an average week?” Starting in 2011, the indicator is not comparable with prior years.

Any alcohol use, 3rd trimester: Drank any alcoholic drinks in an average week during the last three months of pregnancy. In 2014, the question on drinking alcohol during the first trimester was taken off of the survey and the indicator was modified starting with 2013-2014 Snapshots. (Q39, 42)

## **Pregnancy Intention and Family Planning**

Mistimed or unwanted pregnancy: Just before pregnancy, felt that she did not want to get pregnant or wanted to get pregnant later. This indicator is not comparable with the unintended pregnancy indicator reported before 2011. (Q14)

Unsure of pregnancy intentions: Just before pregnancy, felt that she was not sure if she wanted to get pregnant. (Q14)

Postpartum birth control use: Woman or husband/partner was doing something at the time of the survey to keep from getting pregnant; excluded from the denominator were women who were currently pregnant or had a hysterectomy/oophorectomy. Starting with 2013-2014 Snapshots, the indicator definition changed and is not comparable with prior years. (Q52, 53, 54)

## **Infant Sleep and Breastfeeding**

Placed infant on back to sleep: Put baby down to sleep on his or her back most of the time, excluding from the denominator women whose infant did not reside with them at the time of the survey. (Q63)

Infant always or often shared bed: Baby always or often slept in the same bed with her or someone else, excluding from the denominator women whose infant did not reside with them at the time of the survey. (Q64)

Intended to breastfeed, before birth: Before delivery, planned to breastfeed only or to breastfeed and use formula, excluding from the denominator women whose infant did not reside with them at the time of the survey. (Q59)

Intended to breastfeed exclusively, before birth: Before delivery, planned to breastfeed only, excluding from the denominator women whose infant did not reside with them at the time of the survey. (Q59)

Any breastfeeding, 1 month after delivery: Fed infant breast milk for at least one month after delivery with or without formula, other liquids or food; excluding from the denominator women whose infant did not reside with them at the time of the survey. The infant feeding questions changed in 2011. Starting in 2011, the indicator is not comparable with prior years. (Q60, 61A, 61B; infant age calculated from date of birth on the birth certificate)

Exclusive breastfeeding, 1 month after delivery: Fed infant only breast milk (no supplementation with formula, other liquids or food) for at least one month after delivery; excluding from the denominator women whose infant did not reside with them at the time of the survey. The infant feeding questions changed in 2011. Starting in 2011, the indicator is not comparable with prior years. (Q60, 61A, 61B, 62A, B, C; infant age calculated from date of birth on the birth certificate)

Any breastfeeding, 3 months after delivery: Fed infant breast milk for at least three months after delivery with or without supplementing with formula, other liquids or food; excluding from the denominator women whose infant did not reside with them or whose infant was not yet three months old at the time of the survey. The infant feeding questions changed in 2011. Starting in 2011, the indicator is not comparable with prior years. (Q60, 61A, 61B; infant age calculated from date of birth on the birth certificate)

Exclusive breastfeeding, 3 months after delivery: Fed infant only breast milk (no supplementation with formula, other liquids or food) for at least three months after delivery; excluding from the denominator women whose infant did not reside with them or whose infant was not yet three months old at the time of the survey. The infant feeding questions changed in 2011. Starting in 2011, the indicator is not comparable with prior years. (Q60, 61A, 61B, 62A, B, C; infant age calculated from date of birth on the birth certificate)

## **Health Care Utilization and Public Program Participation**

Had a usual source of pre-pregnancy care: Just before pregnancy, had a particular doctor, nurse, or clinic that she usually went to for health care. (Q6)

Initiated prenatal care in 1st trimester: Had first prenatal care visit in the first 3 months or 13 weeks of pregnancy, not counting a visit for just a pregnancy test or a WIC visit. In 2011, the phrases in italics were added to the questions: “Did you get any prenatal care during your most recent pregnancy? (Please do not count a visit just for a pregnancy test *or only for WIC, the Women, Infants and Children supplemental nutrition program.*)” and “How many weeks or months pregnant were you when you had your first prenatal care visit? (Please do not count a visit just for a pregnancy test *or only for WIC.*)” In 2012, the filter question, “Did you get any prenatal care during your most recent pregnancy?” was dropped. The MIHA indicator is not comparable across 2010, 2011, and 2012. However, this indicator is comparable for 2012 and beyond. (Q19)

Had a dental visit during pregnancy (2012 only): Visited a dentist, dental clinic, or got dental care at a health clinic.

Had a postpartum medical visit: Had a postpartum check-up for herself (the medical check-up 4-6 weeks after a woman gives birth). (Q51)

Mom or infant needed but couldn't afford care postpartum: Since her most recent birth, there was a time when she needed to see a doctor or nurse for her own medical care or for her infant, but didn't go because she couldn't afford to pay for it. (Q50, 66)

WIC status during pregnancy (2013-2014 Statewide Snapshots subgroup – WIC products only): WIC is the Special Supplemental Nutrition Program for Women, Infants, and Children. WIC status during pregnancy was categorized as prenatal WIC participant, eligible nonparticipant, or ineligible for WIC based on: self-reported participation in the WIC program during pregnancy, household income, and type of insurance coverage for prenatal care or delivery reported on the birth certificate. Prenatal WIC participants were women who self-reported that they were on WIC at any time during their most recent pregnancy. Those not on WIC during pregnancy were categorized as WIC eligible nonparticipants if they had Medi-Cal for prenatal care or delivery on the birth certificate or if they had self-reported income at or below 185% of the Federal Poverty Guideline (FPG). Respondents were categorized as ineligible for WIC if they had another source or no insurance for prenatal care or delivery, and self-reported income above 185% FPG.

Participated in WIC during pregnancy: WIC is the Special Supplemental Nutrition Program for Women, Infants, and Children. In 2010 and 2013-2014, participation in WIC during pregnancy was based on self-report on the MIHA survey. In 2012, participation in WIC during pregnancy was based on WIC client records obtained from WIC Management Information System (WIC MIS) and linked to the MIHA survey. This indicator is not available for 2011.

Received CalFresh (food stamps) during pregnancy: CalFresh, formerly known as food stamps, is the California Supplemental Nutrition Assistance Program. (Q78)

### **Health Insurance Coverage**

Pre-pregnancy/postpartum insurance: During the month before pregnancy/at the time of the survey, had Medi-Cal or a health plan paid for by Medi-Cal; private insurance through her or her husband's/partner's job, her parents, or purchased directly; or was uninsured. Women with both Medi-Cal and private insurance were categorized as Medi-Cal. Starting in 2011, women with "Other" insurance, such as military, Healthy Families, Medicare, or international are not shown (the 2010 indicator combined the "Other" and "Private" insurance categories); and women were asked to provide the name of their health insurance plan, which was used to categorize insurance with greater precision. Starting in 2011, the indicator is not comparable with prior years. (Q8, Q49)

Prenatal insurance: During pregnancy, had Medi-Cal or a health plan paid for by Medi-Cal; private insurance through her or her husband's/partner's job, her parents, or purchased directly; or was uninsured. Women with both Medi-Cal and private insurance categorized as Medi-Cal. Starting in 2011, women with "Other" insurance, such as military, Healthy Families, Medicare, or international are not shown; (the 2010 indicator combined the "Other" and "Private" insurance categories); and the prenatal insurance question changed in order to distinguish between Medi-Cal and a plan paid for by Medi-Cal, as well as to identify how women obtained private insurance. Women also were asked to provide the name of their health insurance plan, which was used to categorize insurance with greater precision. Starting in 2011, the indicator is not comparable with prior years. (Q44)

Infant health insurance: Infant had Medi-Cal or a health plan paid for by Medi-Cal; private insurance through parent's job or purchased directly; Healthy Families; or was uninsured. Starting in 2011, infants with "Other" insurance, such as military, California Children's Services, or Medicare are not shown (the 2010 indicator combined the "Other" and "Private" insurance categories); and, women were asked to provide the name of their infant's health insurance plan, which was used to categorize insurance with greater precision. Women whose infant did not reside with them at the time of the survey were excluded from the denominator. Starting in 2011, the indicator is not comparable with prior years. (Q65)

### **Maternal Demographics**

Age: Age of mother at time of birth. (Birth certificate)

Did not complete high school (or GED): At the time of the survey, had completed no school; 8th grade or less; or some high school, but did not graduate. (Q69)

Unmarried: At the time of birth, was single (never married); separated, divorced, or widowed; or living with someone like they were married, but not legally married. (Q67)

Race/Ethnicity: Mother's Hispanic origin and first race code, if multiple race codes indicated. (Birth certificate)

Born outside the U.S.: Mother's place of birth. (Birth certificate)

Speaks non-English language at home: Usually speaks Spanish, or an Asian or other language at home (if more than one language spoken, the one used most often; women who speak English and Spanish equally are not included in this group). (Q71)

Neighborhood Poverty (Statewide Snapshots subgroup): The percent of people living below the federal poverty threshold in a given neighborhood, as defined by census tract of residence. The estimated percent of people below poverty by census tract is obtained from American Community Survey 5-year estimates from the most recent year <http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>. (Linked Birth certificate-American Community Survey)

Lives in a high poverty neighborhood: Lives in a neighborhood, as defined by census tract of residence, in which 20% or more of people are living below the federal poverty threshold. The estimated percent of people below poverty by census tract is obtained from American Community Survey 5-year estimates from the most recent year <http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>. (Linked Birth certificate-American Community Survey)

Income as a percent of the Federal Poverty Guideline: Calculated from monthly family income, before taxes from all sources, including jobs, welfare, disability, unemployment, child support, interest, dividends, and support from family members, and the number of people living on that income. See the annual Poverty Guidelines published by the U.S. Department of Health and Human Services for more detail: [aspe.hhs.gov/poverty/index.cfm](http://aspe.hhs.gov/poverty/index.cfm). (Q83, 84, 85)

Total Live Births (Statewide Snapshots subgroup): The number of live births the mother delivered, inclusive of the recent birth. Twins and triplets are considered one birth (Birth Certificate).

Geographical Area (Statewide Snapshots subgroup): Urban and rural/frontier designations are based on the population size or densities of Medical Service Study Areas (MSSAs). MSSAs are sub-county geographic units composed of one or more census tracts. Women are classified as living in an urban area if their MSSA ranges in population from 75,000 to 125,000; a rural area if their MSSA has a population density of less than 250 persons per square mile and a frontier area if their MSSA has a population density of less than 11 persons per square mile. (Birth Certificate)

# Data Annotation and Suppression Criteria

Most MIHA publications using data from 2010-2012 suppressed estimates when the number of events (sample numerator) was less than 10.

Revised data suppression criteria were implemented with the 2013-2014 MIHA publications (and were also applied to the 2010-2012 County and Regional MIHA Snapshots by Maternal Characteristics). Current criteria require estimates to be suppressed when:

1. The sample numerator is less than 5,
2. The number of women in the population of interest (population denominator) is less than 100,
3. The relative standard error (RSE) is greater than 50%, or
4. A measure has been determined to address a sensitive topic and the prevalence is greater than 80% and the unweighted population divided by the weighted population is greater than 50%.

Additionally, estimates are annotated and users are warned to interpret with caution if the RSE is between 30% and 50%. The RSE is a commonly used measure of reliability, or precision, of survey estimates and is calculated using the following formulas:

For estimates with a prevalence  $\leq 50\%$ :

$$\text{Standard error} \div \text{estimate}$$

For estimates with a prevalence  $> 50\%$ :

$$\text{Standard error} \div (1 - \text{estimate})$$



# Weighting Methods

Sampling weights are created in MIHA to account for the stratified design, oversampling of specific groups, non-response among the women sampled, and non-coverage of women who could not be sampled because their births were not in the sampling frame. When the final MIHA sample is weighted each year, it is designed to be representative of all mothers who delivered live-born infants in California during the calendar year that the survey was conducted, and who met other inclusion criteria: the mother resided in California, was at least 15 years of age, and had a singleton, twin or triplet birth. Although MIHA data are weighted to the entire birthing population, minus exclusions, the survey is only administered in English and Spanish and results may not be generalizable to women who speak other languages. The population represented by MIHA is referred to as the “target” population and is defined using the Birth Statistical Master File (BSMF), the final compilation of California birth data released annually by the Office of Vital Statistics.

In 2010 through 2012, African Americans and women who were not on WIC but had Medi-Cal for prenatal care or delivery were oversampled, meaning their probability of selection was greater than the proportion of births they represent in the state. Starting in 2012, American Indians and Alaska Natives were also oversampled. From 2010 through 2012, the sample was stratified by county to provide sufficient numbers for estimates for the 20 counties with the most births. Starting in 2013, the number of counties included in this stratification increased to 35, and while African Americans and American Indian/Alaska Natives continued to be oversampled, WIC eligible nonparticipants were no longer oversampled.

Every woman who responded to MIHA is assigned a weight, which stands for the number of mothers in California like herself that she represents. Starting in 2010, this State Weight has consisted of 4 components (see below) calculated within strata. Additional steps have been added in subsequent years to create a Final Weight and improve the ability of the sample to represent the target population. Starting in 2011, raking was added to the weighting process to adjust the State Weights to more accurately represent the BSMF, particularly at the county level. Starting in 2013, trimming of weights was implemented to reduce the influence of excessively large survey weights. Raking and trimming were retroactively applied to datasets to create Final Weights starting with year 2010, but previously published MIHA products were not revised with the new Final Weights (2010 products had used unraked and untrimmed weights (State Weight only); 2011-2012 products used raked but untrimmed weights).

## Calculation of the State Weight

The components of the State Weight are as follows:

### Non-Coverage Weight

The non-coverage weight accounts for differences between the frame from which the sample was drawn and the target population to which generalizations are made. The MIHA sample is drawn from birth certificate data for births occurring from February through May of each year. This is referred to as the “sampling frame.” Birth certificate data files from which the MIHA sample is drawn are provided in monthly batches by the Office of Vital Statistics. The non-coverage weight accounts for the difference between the number of births in the sampling frame (February through May) and the number in the calendar year. The non-coverage weight also accounts for changes that might be made to the birth file after the sample is taken (e.g., births may not be in the frame files for sampling if they are reported late, but these late reported births would eventually be included in the calendar year BSMF). The non-coverage weight is defined, within stratum  $S$ , as:

$$\text{Number in the Target Population}_s \div \text{Number in the Sampling Frame}_s$$

### **Inverse of Sampling Fraction**

The sampling fraction is the probability of selection, or the ratio of the number of women sampled to the number of women in the sampling frame. Therefore, the inverse of the sampling fraction within stratum  $S$  is:

$$\text{Number in the Sampling Frame } _s \div \text{Number Sampled } _s$$

### **Non-Response Weight**

This weight adjusts for non-response to the survey by women who were sampled. The non-response weight is calculated within stratum  $S$  as:

$$\text{Number Sampled } _s \div \text{Number of Respondents } _s$$

### **Post-stratification Weight for Non-response (Propensity Score Adjustment)**

The non-response weight described above accounts for non-response on factors used to define the strata (e.g., African American or American Indian/Alaska Native race, WIC status, and county/region of residence). Additional individual level factors may also predict whether a woman is likely to respond to the MIHA survey. Therefore, another adjustment for non-response is calculated to make the MIHA survey more representative of the target population from which the sample was taken. The probability of responding (versus not responding) is calculated using a logistic regression model among all women sampled in each sampling region (county or group of counties). Variables in the logistic regression model come from the BSMF and include maternal race/ethnicity, US or foreign birthplace, age, education, reported principal source of delivery payment, total children born alive, and month prenatal care began. A predicted probability ( $p$ ) of being a respondent, or propensity score, is output for every woman sampled. The score is then re-scaled, which means that  $p$  is multiplied by a constant factor for all respondents, so that the sum of  $p$  over all respondents now adds to the number of respondents.

Starting in 2014, the post-stratification weight was capped at the 99th percentile of the post-stratification weight for that year (i.e., 2.56 in 2014).

### **Formula for State Weight**

The State Weight is calculated using the four components defined above:

$$\text{NON-COVERAGE} * \text{INVERSE SAMPLING FRACTION} * \text{NON-RESPONSE} * \text{POST-STRATIFICATION}$$

## **Adjustments to Create the Final Weight**

### **Raking Survey Weights (or Iterative Proportional Fitting)**

Raking is a process by which the weighted prevalence of a selected variable is aligned with the known prevalence in a target population. In MIHA, the State Weights are raked so that weighted birth certificate variable estimates reflect the BSMF as closely as possible at the level of the respondent's sampling region (county or group of counties). Raking is conducted over a series of predetermined variables (see table below), one at a time, in an iterative process. The weight assigned to each woman who falls in category  $C$  of raking variable  $V$  is multiplied by a factor of:

$$\text{Number in the Target Population } vc \div \text{Weighted Number of MIHA Respondents } vc$$

The first adjustment occurs to the State Weight calculated in the previous section. This results in a different weight value, which is adjusted using the next variable and the process continues for each variable.

After this is done for all desired variables, the data are checked to ensure the percentages for each raking variable are as close as possible to the BSMF within the sampling region or group. If results can be adjusted to be more similar to the BSMF, the process starts again with the first raking variable, using the weight from the last iteration.

After the raking process is complete, the resulting weight is rescaled (e.g., multiplied by a constant factor), so that the sum of the raked weights over all respondents adds to the number of women in the BSMF who meet MIHA's inclusion criteria in that county/region. MIHA data were raked on the following variables or combination of variables each year from 2010-2014:

**Variables Used for Raking, 2010-2014**

2010	2011	2012	2013	2014
Race by age				
Race by foreign born				
Age by foreign born				
Prior C-section	Prior C-section	Prior C-section		
Low birth weight				
Preterm birth				
Prior live birth				
Delivery payer				
Delivery method				
			BMI before pregnancy	BMI before pregnancy
			Education	Education
				Race by preterm birth

After raking, differences between county-level and regional-level MIHA data and the BSMF are small. Only about 1% of estimates in the largest 20-35 counties are greater than 3 percentage points different from the BSMF after raking. The median difference between the weighted/trimmed MIHA value and the BSMF in 2014 for raking variables was 0.33%, and over 82% of estimates were within 1 percentage point of the BSMF value. Differences between MIHA and the target population are sometimes greater in the smaller sampling regions, such as San Benito County, than in the counties that have more births.

**Rationale for Raking**

The weighting method used before raking was introduced produced weighted data that were very close to the BSMF at the state level and for most counties/regions. However, using this method, there were some remaining discrepancies between the weighted MIHA data and the BSMF within subgroups of women and at the county and regional levels. For example, when the 2011 MIHA data were weighted using the 2010 method (no raking), an estimated 39.0% of women with a live birth in Kern County were White compared with 28.5% in the BSMF, a difference of 10.5 percentage points.

After raking, the MIHA estimate was adjusted to 28.8%, much closer to the BSMF estimate. The use of the raked weight produces estimates that are closer to the BSMF for subgroups, and at the county and regional level.

## Trimming Survey Weights

Trimming is the process by which survey weights are reset to a predetermined upper limit, which reduces the occurrence of uniquely high weights that may skew survey results. The following method is used to trim raked survey weights:

1. A standardized distance is calculated between each respondent's raked weight and the median weight in her stratum  $S$ . The formula for calculating this standardized distance is:  
$$(\text{respondent's raked weight} - \text{median raked weight in the respondent's stratum } S) \div \text{statewide interquartile range of raked weights}$$
2. Strata with respondents who have distances in the top 1% of the overall distribution of distances from the median are identified.
3. Weights for women in these strata are trimmed at the third standard deviation, or the 99.73<sup>rd</sup> percentile, of raked weights (i.e., no weights in the identified strata would exceed the 99.73<sup>rd</sup> percentile (1046) in 2014). Trimmed weights are also constrained to being no higher than 5 \* the initial State Weight, and no lower than 1/5 of the State Weight.
4. As larger weights are trimmed, smaller weights are modified so that the sum of the weights in the state and each county/region match the population totals in the BSMF.

For example, the four steps above can be applied to a woman in 2014 with an individual raked weight of 1900, from a stratum that had a median weight of 500 (numbers are simulated):

1. Calculate standardized distance for her weight from the median weight in the stratum:  
$$(1900 - 500) \div 50 = 28$$
2. After calculating distances for each respondent, her standardized distance (28) is in the top 1% of distances. Therefore, her stratum would be among those identified for trimming.
3. During the final step of weight creation, her raked weight (1900) would be trimmed to 1046.
4. Weights for other women within her county would also be modified during this process so that the sum of the weights continued to match state and county totals.

## Rationale for Trimming

On occasion, analyses of MIHA data have produced unexpected results. While some variation in results is to be expected in survey data, at times it has appeared that unusual results were primarily due to as few as one individual with a uniquely high survey weight value. Because MIHA data are stratified and differentially sampled by county or sampling region, respondents from some counties with a lower sampling fraction sometimes have survey weight values that are high when compared to other respondents in the sample. When those women had unusual responses to certain variables, these extremely high weights had a disproportionate effect on estimates for those variables.

The difference between estimates using weights that have been raked and trimmed and weights that have only been raked is small. Comparing all estimates included in the MIHA Data Snapshots from 2010-2014, the largest difference between the two estimates was 3.7 percentage points. The median of the difference ranged from a high of 0.1 (2010-2012) to a low of 0.02 (2013-2014).

## Comparability across Years

Updated weighting methods are retroactively applied to datasets starting with year 2010. MIHA publications for 2010-2012 that have been produced using earlier methods (i.e., without the raking or trimming steps) have not been updated using the new weights, but all future analyses will apply the raked and trimmed weights for 2010 onward. The difference between the estimates using the old and new weighting methods is small. Therefore, users may compare the 2010, 2011, and 2012 estimates to 2013-2014 and all future years, in spite of the changes to the weighting methods.



*“Muchas Gracias! Es bueno que alguien tenga el tiempo de escuchar o que ser saber sobre la salud de madres hispanas. Gracias.”*

— MIHA 2014 Respondedora

*Translation*

*“Thank you so much! It is good that someone takes the time to listen or to know about the health of Hispanic mothers. Thank you.”*

— MIHA 2014 Respondent