



MIHA Data Snapshot, San Francisco Bay Area by Education, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area			<High School			High School Graduate or GED			Some College			College Graduate		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		85,700	10.8	9.7 - 11.8	9,100	14.3	13.0 - 15.6	12,100	24.5	22.7 - 26.2	20,700	50.5	48.5 - 52.4	42,700
Health Status before Pregnancy															
In good to excellent health	93.8	92.9 - 94.8	80,300	86.0	82.8 - 89.2	7,800	88.4	85.2 - 91.6	10,600	93.3	91.6 - 95.0	19,300	97.4	96.1 - 98.6	41,500
Chronic conditions															
Diabetes†	2.4	1.7 - 3.0	2,000	4.2	2.5 - 5.9	400	2.4	1.1 - 3.7	300	1.9	1.2 - 2.7	400	2.2	1.0 - 3.3	900
Hypertension†	2.1	1.6 - 2.6	1,800	3.1	1.7 - 4.6	300	2.3*	0.9 - 3.8	300	2.8	1.7 - 4.0	600	1.5	0.9 - 2.2	700
Asthma†	8.2	7.2 - 9.3	6,900	12.0	8.1 - 15.8	1,100	7.6	5.6 - 9.7	900	10.4	8.0 - 12.8	2,100	6.5	5.0 - 8.0	2,800
Nutrition and Weight															
Daily folic acid use, month before pregnancy	39.3	37.1 - 41.5	33,600	25.3	20.5 - 30.0	2,300	30.0	24.8 - 35.2	3,600	32.0	27.9 - 36.0	6,600	48.4	44.9 - 51.8	20,600
Overweight before pregnancy	23.6	21.7 - 25.5	19,300	33.7	27.7 - 39.6	2,500	28.3	23.8 - 32.7	3,100	26.5	22.7 - 30.3	5,300	19.2	16.5 - 21.9	8,100
Obese before pregnancy	16.4	14.9 - 17.9	13,400	26.9	21.8 - 32.0	2,000	26.7	22.1 - 31.3	2,900	23.1	19.5 - 26.6	4,600	8.6	7.0 - 10.2	3,600
Inadequate weight gain during pregnancy	17.7	15.9 - 19.5	12,800	29.4	23.0 - 35.7	1,800	17.9	14.0 - 21.8	1,700	17.4	14.2 - 20.6	3,100	15.7	13.1 - 18.4	6,100
Excessive weight gain during pregnancy	40.3	37.9 - 42.7	29,300	35.3	29.0 - 41.6	2,100	43.3	37.3 - 49.4	4,000	44.9	40.5 - 49.3	8,100	38.5	35.0 - 42.1	14,900
Food insecurity during pregnancy	11.8	10.6 - 13.0	10,000	28.3	23.8 - 32.9	2,600	25.1	20.0 - 30.1	3,000	15.3	12.7 - 18.0	3,200	2.6	1.9 - 3.4	1,100
Intimate Partner Violence (IPV) and Depressive Symptoms															
Physical or psychological IPV during pregnancy	5.9	4.9 - 7.0	5,100	9.7	6.6 - 12.9	900	8.5	6.0 - 10.9	1,000	7.8	5.9 - 9.7	1,600	3.3	1.6 - 5.0	1,400
Prenatal depressive symptoms	12.2	11.0 - 13.5	10,400	22.0	17.7 - 26.3	2,000	17.3	13.7 - 20.9	2,100	15.6	12.7 - 18.4	3,200	6.7	5.2 - 8.3	2,900
Postpartum depressive symptoms	11.6	10.3 - 12.9	9,900	15.0	11.6 - 18.4	1,400	13.1	10.0 - 16.2	1,600	14.8	12.0 - 17.6	3,100	8.8	7.0 - 10.6	3,700
Hardships and Support during Pregnancy															
Experienced two or more hardships during childhood	20.3	18.6 - 21.9	17,100	35.9	30.8 - 41.0	3,200	32.1	26.7 - 37.5	3,700	28.4	24.8 - 32.0	5,800	9.8	7.9 - 11.6	4,100
Homeless or did not have a regular place to sleep	2.7	2.2 - 3.2	2,300	6.9	4.5 - 9.2	600	4.7	3.1 - 6.4	600	4.0	2.8 - 5.2	800	0.7*	0.3 - 1.2	300
Moved due to problems paying rent or mortgage	5.0	4.3 - 5.8	4,300	10.7	7.4 - 14.0	1,000	7.5	5.2 - 9.8	900	7.0	5.1 - 8.9	1,400	2.1	1.5 - 2.8	900
Woman or partner lost job	11.9	10.5 - 13.3	10,100	19.9	15.7 - 24.0	1,800	18.6	13.6 - 23.6	2,200	17.0	13.8 - 20.3	3,500	5.7	4.4 - 7.1	2,400
Woman or partner had pay or hours cut back	10.9	9.5 - 12.3	9,300	14.4	10.9 - 17.9	1,300	16.2	11.2 - 21.1	1,900	16.8	13.5 - 20.2	3,500	5.7	4.3 - 7.2	2,400
Became separated or divorced	4.8	4.1 - 5.6	4,100	11.3	8.1 - 14.5	1,000	9.0	6.4 - 11.6	1,100	6.8	5.0 - 8.7	1,400	1.3	0.7 - 1.8	500
Had no practical or emotional support	4.2	3.4 - 5.1	3,600	8.4	5.7 - 11.1	800	8.1	5.1 - 11.0	1,000	4.4	2.8 - 6.0	900	2.0	0.9 - 3.1	800
Substance Use															
Any smoking, 3 months before pregnancy	8.8	7.8 - 9.9	7,500	10.1	7.1 - 13.2	900	11.6	8.5 - 14.6	1,400	16.9	13.9 - 19.9	3,500	3.8	2.8 - 4.7	1,600
Any smoking, 3rd trimester†	1.9	1.5 - 2.3	1,600	3.3	2.0 - 4.5	300	2.9	1.5 - 4.2	300	3.4	2.3 - 4.5	700	0.7*	0.3 - 1.1	300
Any smoking, postpartum	4.1	3.4 - 4.8	3,500	7.0	4.4 - 9.7	600	6.2	4.2 - 8.1	700	7.8	5.8 - 9.8	1,600	1.1	0.5 - 1.7	500
Any binge drinking, 3 months before pregnancy	14.4	12.9 - 15.9	12,200	9.5	6.1 - 12.8	800	12.1	9.2 - 15.1	1,400	20.4	16.5 - 24.2	4,200	13.2	11.2 - 15.3	5,600
Any alcohol use, 3rd trimester†	10.9	9.5 - 12.3	9,300	3.1	1.5 - 4.7	300	6.3*	1.8 - 10.8	800	6.9	4.2 - 9.6	1,400	16.1	13.9 - 18.2	6,800
Pregnancy Intention and Family Planning															
Mistimed or unwanted pregnancy	25.0	23.2 - 26.8	21,300	40.3	34.9 - 45.7	3,700	29.5	25.3 - 33.8	3,600	35.4	31.6 - 39.3	7,300	15.2	12.7 - 17.8	6,500
Unsure of pregnancy intentions	10.8	9.6 - 12.0	9,200	13.9	10.4 - 17.5	1,300	15.7	12.5 - 18.9	1,900	15.7	12.9 - 18.4	3,200	6.3	4.7 - 7.9	2,700
Postpartum birth control use†	81.5	79.7 - 83.3	68,500	83.0	78.7 - 87.3	7,400	87.6	84.6 - 90.7	10,300	85.3	82.8 - 87.8	17,300	77.7	74.6 - 80.8	32,700
Infant Sleep and Breastfeeding															
Placed infant on back to sleep	84.0	82.3 - 85.8	70,900	77.8	73.3 - 82.3	7,000	80.2	76.1 - 84.2	9,600	82.0	78.6 - 85.3	16,800	87.5	84.8 - 90.2	37,100
Infant always or often shared bed	35.4	33.3 - 37.5	29,900	46.1	40.7 - 51.5	4,100	38.2	33.5 - 42.8	4,600	43.8	39.7 - 47.9	9,000	28.3	25.2 - 31.4	12,000
Intended to breastfeed, before birth	94.3	93.4 - 95.3	79,700	90.5	87.1 - 93.8	8,100	89.8	86.7 - 92.9	10,700	95.4	94.0 - 96.8	19,500	95.9	94.5 - 97.3	40,600
Intended to breastfeed exclusively, before birth	69.4	67.4 - 71.5	58,700	49.2	43.9 - 54.6	4,400	57.8	52.8 - 62.9	6,900	70.7	66.8 - 74.6	14,400	76.3	73.3 - 79.3	32,300
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	89.5	88.2 - 90.8	75,300	82.8	78.8 - 86.7	7,300	81.5	77.5 - 85.6	9,700	88.2	85.9 - 90.4	17,900	93.6	91.7 - 95.5	39,600
Exclusive breastfeeding, 1 month after delivery	50.6	48.4 - 52.9	41,800	38.4	33.1 - 43.6	3,300	48.7	43.4 - 54.0	5,700	54.9	50.8 - 59.0	11,000	51.5	48.0 - 55.1	21,400
Any breastfeeding, 3 months after delivery	77.2	75.2 - 79.2	52,500	64.2	58.4 - 69.9	4,900	65.1	59.9 - 70.4	6,600	70.7	66.6 - 74.8	11,600	87.0	84.1 - 89.9	28,800
Exclusive breastfeeding, 3 months after delivery	35.9	33.5 - 38.4	24,100	20.4	16.0 - 24.8	1,500	28.7	22.9 - 34.6	2,900	36.2	31.7 - 40.8	5,900	41.3	37.2 - 45.3	13,500

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



MIHA Data Snapshot, San Francisco Bay Area by Education, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area			<High School			High School Graduate or GED			Some College			College Graduate		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Service Utilization and Health Insurance Coverage															
Had a usual source of pre-pregnancy care	77.3	75.5 - 79.0	66,200	67.3	62.3 - 72.2	6,100	66.3	61.6 - 71.1	8,000	78.0	75.0 - 81.1	16,100	82.4	79.6 - 85.1	35,100
Initiated prenatal care in 1st trimester	90.9	89.8 - 92.1	76,800	79.8	75.0 - 84.6	6,900	85.6	81.8 - 89.3	10,200	87.6	85.0 - 90.2	17,900	96.3	95.2 - 97.5	40,700
Mom or infant needed but couldn't afford care postpartum	9.7	8.5 - 11.0	8,100	16.8	12.6 - 21.0	1,500	17.9	12.8 - 23.0	2,100	12.4	9.9 - 14.9	2,500	4.3	3.0 - 5.5	1,800
Participated in WIC during pregnancy†	35.6	34.2 - 37.1	29,500	82.3	77.5 - 87.0	7,400	73.1	67.9 - 78.4	8,700	48.5	44.6 - 52.4	9,800	7.6	6.3 - 8.9	3,100
Received CalFresh (food stamps) during pregnancy	14.8	13.6 - 15.9	12,500	41.4	36.2 - 46.6	3,800	28.6	24.4 - 32.9	3,400	19.8	17.0 - 22.6	4,100	2.3	1.6 - 3.0	1,000
Pre-pregnancy insurance															
Medi-Cal	18.9	17.6 - 20.2	16,100	50.4	45.1 - 55.7	4,600	40.9	36.0 - 45.7	4,900	24.7	21.5 - 28.0	5,100	3.2	2.1 - 4.2	1,400
Uninsured	13.7	12.5 - 14.9	11,700	31.2	26.2 - 36.1	2,800	28.5	24.1 - 32.8	3,400	15.4	12.8 - 17.9	3,200	4.7	3.5 - 6.0	2,000
Private	64.2	62.6 - 65.8	54,900	14.4	10.4 - 18.4	1,300	27.4	22.1 - 32.7	3,300	56.2	52.4 - 60.1	11,600	89.2	87.3 - 91.1	38,000
Prenatal insurance															
Medi-Cal	34.3	32.8 - 35.7	29,200	81.3	76.4 - 86.1	7,400	72.8	67.5 - 78.2	8,800	44.8	41.0 - 48.7	9,300	7.8	6.3 - 9.3	3,300
Uninsured	1.7	1.2 - 2.3	1,500	4.1 *	1.4 - 6.9	400	1.7 *	0.5 - 2.8	200	1.7	0.8 - 2.6	400	1.0 *	0.4 - 1.6	400
Private	61.7	60.1 - 63.3	52,700	13.4	9.1 - 17.7	1,200	24.0	18.7 - 29.4	2,900	50.2	46.3 - 54.2	10,400	88.8	87.0 - 90.7	37,700
Maternal postpartum insurance															
Medi-Cal	27.0	25.6 - 28.4	23,000	61.3	56.0 - 66.6	5,500	57.2	51.9 - 62.5	6,800	37.9	34.2 - 41.6	7,800	5.8	4.4 - 7.1	2,500
Uninsured	7.7	6.7 - 8.6	6,500	18.9	15.1 - 22.7	1,700	16.9	13.2 - 20.5	2,000	7.2	5.4 - 9.0	1,500	2.7	1.7 - 3.7	1,200
Private	62.6	61.0 - 64.1	53,300	15.3	10.4 - 20.2	1,400	23.1	17.8 - 28.5	2,800	51.8	47.8 - 55.7	10,700	89.3	87.4 - 91.2	38,000
Infant health insurance															
Medi-Cal	36.0	34.5 - 37.5	30,300	84.5	80.3 - 88.8	7,500	75.4	69.9 - 80.9	8,900	47.8	43.9 - 51.7	9,800	8.8	7.4 - 10.1	3,700
Uninsured	2.3	1.7 - 3.0	2,000	4.7	2.4 - 7.0	400	4.7	2.4 - 7.0	600	3.0	1.7 - 4.3	600	0.8 *	0.2 - 1.5	400
Private	59.4	57.8 - 60.9	50,000	8.7	5.2 - 12.2	800	17.6	12.3 - 22.9	2,100	46.1	42.1 - 50.2	9,400	88.7	87.0 - 90.4	37,600
Maternal Demographics															
Unmarried	29.5	27.9 - 31.1	25,100	59.4	54.0 - 64.7	5,400	57.9	52.6 - 63.1	7,000	43.3	39.4 - 47.2	8,900	8.1	6.6 - 9.6	3,500
Race/Ethnicity															
White	32.4	30.4 - 34.5	26,700	7.7	4.6 - 10.9	700	14.8	10.0 - 19.5	1,700	33.8	29.7 - 38.0	6,700	42.7	39.3 - 46.0	17,300
Hispanic	31.6	30.0 - 33.3	26,000	78.0	73.5 - 82.5	7,000	65.7	60.6 - 70.9	7,700	34.7	31.0 - 38.4	6,900	9.8	8.0 - 11.6	4,000
Asian/Pacific Islander	29.6	27.4 - 31.8	24,300	6.4	3.1 - 9.8	600	8.8	5.7 - 11.9	1,000	20.6	17.0 - 24.2	4,100	45.1	41.5 - 48.6	18,300
Black	6.0	5.7 - 6.4	4,900	7.5	5.5 - 9.5	700	10.4	8.3 - 12.6	1,200	10.3	8.9 - 11.7	2,000	2.3	1.9 - 2.7	900
Born outside the U.S.	46.1	43.9 - 48.3	39,500	65.9	60.7 - 71.1	6,000	47.9	42.8 - 53.0	5,800	31.2	27.4 - 35.0	6,400	48.2	44.7 - 51.6	20,600
Speaks non-English language at home	36.2	34.1 - 38.3	30,500	64.3	59.1 - 69.6	5,800	46.3	41.2 - 51.3	5,600	25.2	21.7 - 28.8	5,200	32.5	29.0 - 35.9	13,600
Lives in a high poverty neighborhood	18.0	16.4 - 19.5	15,000	39.2	33.9 - 44.5	3,500	37.4	32.1 - 42.8	4,400	19.2	16.4 - 22.0	3,900	7.2	5.5 - 8.9	3,000
Income as a percent of the Federal Poverty Guideline															
0-100%	25.5	24.1 - 26.9	20,400	74.1	68.6 - 79.5	5,800	56.6	51.1 - 62.2	6,100	31.3	27.8 - 34.8	6,200	4.7	3.6 - 5.8	1,900
101-200%	15.8	14.4 - 17.2	12,600	19.7	15.1 - 24.3	1,600	26.5	22.2 - 30.9	2,900	28.4	24.7 - 32.1	5,600	5.9	4.6 - 7.1	2,400
> 200%	58.7	57.1 - 60.4	47,100	6.3 *	2.2 - 10.3	500	16.8	11.0 - 22.6	1,800	40.3	36.1 - 44.5	8,000	89.5	87.8 - 91.1	36,600

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

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

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

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2015 were combined, resulting in a statewide sample size of 20,762. The sample size of San Francisco Bay Area was 5,253. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (i.e., numerator of the percent rounded to the nearest hundred) are weighted to represent all women with a live birth who resided in California and the region in 2013-2015. Population estimate (N) is a three-year average. See the Technical Notes for information on weighting, comparability to prior years and technical definitions. Visit the MIHA website at www.cdph.ca.gov/MIHA.

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



MIHA Data Snapshot, San Francisco Bay Area by Geographical Area, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area			Urban			Rural/Frontier		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		85,700	96.0	95.3 - 96.7	80,200	4.0	3.3 - 4.7	3,300
Health Status before Pregnancy									
In good to excellent health	93.8	92.9 - 94.8	80,300	93.9	92.9 - 94.9	75,200	93.0	89.2 - 96.8	3,100
Chronic conditions									
Diabetes†	2.4	1.7 - 3.0	2,000	2.5	1.8 - 3.1	1,900	--		
Hypertension†	2.1	1.6 - 2.6	1,800	2.1	1.6 - 2.6	1,600	3.5 *	1.0 - 6.0	100
Asthma†	8.2	7.2 - 9.3	6,900	8.1	7.0 - 9.2	6,400	10.3	6.3 - 14.3	300
Nutrition and Weight									
Daily folic acid use, month before pregnancy	39.3	37.1 - 41.5	33,600	39.6	37.3 - 41.8	31,700	35.7	26.5 - 44.9	1,200
Overweight before pregnancy	23.6	21.7 - 25.5	19,300	23.5	21.6 - 25.5	18,000	21.0	14.5 - 27.4	700
Obese before pregnancy	16.4	14.9 - 17.9	13,400	16.1	14.6 - 17.7	12,300	21.8	15.1 - 28.5	700
Inadequate weight gain during pregnancy	17.7	15.9 - 19.5	12,800	17.7	15.9 - 19.6	12,100	12.6	6.3 - 18.8	300
Excessive weight gain during pregnancy	40.3	37.9 - 42.7	29,300	40.2	37.7 - 42.7	27,400	42.7	33.0 - 52.4	1,200
Food insecurity during pregnancy	11.8	10.6 - 13.0	10,000	11.7	10.5 - 12.9	9,300	14.3	8.5 - 20.1	500
Intimate Partner Violence (IPV) and Depressive Symptoms									
Physical or psychological IPV during pregnancy	5.9	4.9 - 7.0	5,100	5.8	4.7 - 6.9	4,600	7.5	3.1 - 11.8	200
Prenatal depressive symptoms	12.2	11.0 - 13.5	10,400	12.3	11.0 - 13.6	9,800	11.0	5.6 - 16.4	400
Postpartum depressive symptoms	11.6	10.3 - 12.9	9,900	11.6	10.2 - 12.9	9,200	12.0	6.6 - 17.3	400
Hardships and Support during Pregnancy									
Experienced two or more hardships during childhood	20.3	18.6 - 21.9	17,100	20.0	18.3 - 21.8	15,800	23.6	17.1 - 30.1	800
Homeless or did not have a regular place to sleep	2.7	2.2 - 3.2	2,300	2.7	2.2 - 3.2	2,200	--		
Moved due to problems paying rent or mortgage	5.0	4.3 - 5.8	4,300	4.8	4.0 - 5.5	3,800	9.4	4.0 - 14.8	300
Woman or partner lost job	11.9	10.5 - 13.3	10,100	11.8	10.4 - 13.3	9,400	12.9	7.9 - 17.9	400
Woman or partner had pay or hours cut back	10.9	9.5 - 12.3	9,300	10.9	9.4 - 12.3	8,600	13.6	8.5 - 18.8	400
Became separated or divorced	4.8	4.1 - 5.6	4,100	4.6	3.8 - 5.3	3,600	9.4	4.5 - 14.4	300
Had no practical or emotional support	4.2	3.4 - 5.1	3,600	4.0	3.2 - 4.9	3,200	4.1 *	0.6 - 7.5	100
Substance Use									
Any smoking, 3 months before pregnancy	8.8	7.8 - 9.9	7,500	8.7	7.6 - 9.8	6,900	9.5	4.9 - 14.2	300
Any smoking, 3rd trimester†	1.9	1.5 - 2.3	1,600	1.8	1.4 - 2.3	1,500	2.9 *	0.4 - 5.3	<100
Any smoking, postpartum	4.1	3.4 - 4.8	3,500	4.0	3.3 - 4.7	3,200	5.5 *	1.4 - 9.6	200
Any binge drinking, 3 months before pregnancy	14.4	12.9 - 15.9	12,200	14.5	13.0 - 16.1	11,500	13.1	7.4 - 18.8	400
Any alcohol use, 3rd trimester†	10.9	9.5 - 12.3	9,300	11.1	9.6 - 12.6	8,800	8.5	4.8 - 12.1	300
Pregnancy Intention and Family Planning									
Mistimed or unwanted pregnancy	25.0	23.2 - 26.8	21,300	24.7	22.8 - 26.6	19,700	34.0	25.2 - 42.8	1,100
Unsure of pregnancy intentions	10.8	9.6 - 12.0	9,200	10.6	9.4 - 11.9	8,500	12.5	6.8 - 18.2	400
Postpartum birth control use†	81.5	79.7 - 83.3	68,500	81.1	79.2 - 83.0	63,700	88.1	81.6 - 94.5	2,900
Infant Sleep and Breastfeeding									
Placed infant on back to sleep	84.0	82.3 - 85.8	70,900	84.0	82.2 - 85.8	66,400	83.4	77.2 - 89.6	2,700
Infant always or often shared bed	35.4	33.3 - 37.5	29,900	35.5	33.3 - 37.6	28,000	34.2	26.1 - 42.3	1,100
Intended to breastfeed, before birth	94.3	93.4 - 95.3	79,700	94.5	93.6 - 95.5	74,800	92.0 *	86.8 - 97.3	3,000
Intended to breastfeed exclusively, before birth	69.4	67.4 - 71.5	58,700	69.3	67.2 - 71.4	54,800	78.0	70.7 - 85.2	2,500
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	89.5	88.2 - 90.8	75,300	89.4	88.1 - 90.8	70,500	92.3	88.5 - 96.0	3,000
Exclusive breastfeeding, 1 month after delivery	50.6	48.4 - 52.9	41,800	49.8	47.5 - 52.2	38,500	65.6	57.8 - 73.4	2,100
Any breastfeeding, 3 months after delivery	77.2	75.2 - 79.2	52,500	77.5	75.4 - 79.6	49,400	78.2	70.6 - 85.8	2,000
Exclusive breastfeeding, 3 months after delivery	35.9	33.5 - 38.4	24,100	35.8	33.2 - 38.4	22,500	43.2	33.6 - 52.9	1,100



MIHA Data Snapshot, San Francisco Bay Area by Geographical Area, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area				Urban				Rural/Frontier			
	%	95% CI		N	%	95% CI		N	%	95% CI		N
Service Utilization and Health Insurance Coverage												
Had a usual source of pre-pregnancy care	77.3	75.5 - 79.0		66,200	77.6	75.8 - 79.4		62,200	76.3	68.5 - 84.1		2,500
Initiated prenatal care in 1st trimester	90.9	89.8 - 92.1		76,800	91.0	89.8 - 92.2		71,900	89.7	84.2 - 95.3		2,900
Mom or infant needed but couldn't afford care postpartum	9.7	8.5 - 11.0		8,100	9.6	8.3 - 10.9		7,500	11.9	6.2 - 17.5		400
Participated in WIC during pregnancy†	35.6	34.2 - 37.1		29,500	35.2	33.7 - 36.8		27,200	40.2	31.9 - 48.5		1,300
Received CalFresh (food stamps) during pregnancy	14.8	13.6 - 15.9		12,500	14.4	13.3 - 15.6		11,500	15.9	9.9 - 21.8		500
Pre-pregnancy insurance												
Medi-Cal	18.9	17.6 - 20.2		16,100	18.7	17.4 - 20.1		15,000	20.0	13.4 - 26.7		700
Uninsured	13.7	12.5 - 14.9		11,700	13.4	12.2 - 14.7		10,800	16.0	10.7 - 21.3		500
Private	64.2	62.6 - 65.8		54,900	64.8	63.2 - 66.5		51,900	58.1	49.7 - 66.5		1,900
Prenatal insurance												
Medi-Cal	34.3	32.8 - 35.7		29,200	33.8	32.2 - 35.3		27,000	39.7	31.5 - 48.0		1,300
Uninsured	1.7	1.2 - 2.3		1,500	1.7	1.2 - 2.3		1,400	--			
Private	61.7	60.1 - 63.3		52,700	62.3	60.6 - 64.0		49,800	54.7	46.1 - 63.4		1,800
Maternal postpartum insurance												
Medi-Cal	27.0	25.6 - 28.4		23,000	26.6	25.1 - 28.1		21,200	32.1	24.2 - 40.0		1,100
Uninsured	7.7	6.7 - 8.6		6,500	7.4	6.5 - 8.4		5,900	8.5	5.1 - 11.8		300
Private	62.6	61.0 - 64.1		53,300	63.3	61.7 - 65.0		50,500	54.5	45.9 - 63.1		1,800
Infant health insurance												
Medi-Cal	36.0	34.5 - 37.5		30,300	35.3	33.8 - 36.9		27,900	44.6	36.0 - 53.2		1,500
Uninsured	2.3	1.7 - 3.0		2,000	2.2	1.6 - 2.8		1,800	2.4 *	0.8 - 4.1		<100
Private	59.4	57.8 - 60.9		50,000	60.3	58.6 - 61.9		47,500	47.2	38.1 - 56.4		1,500
Maternal Demographics												
Age												
15-19	2.9	2.4 - 3.5		2,500	2.9	2.3 - 3.4		2,300	3.2 *	0.9 - 5.6		100
20-34	69.7	67.6 - 71.7		59,700	69.7	67.5 - 71.8		55,900	71.7	63.9 - 79.4		2,400
35+	27.4	25.4 - 29.4		23,500	27.5	25.4 - 29.6		22,000	25.1	17.6 - 32.6		800
Did not complete high school (or GED)	10.8	9.7 - 11.8		9,100	10.6	9.5 - 11.7		8,400	12.6	6.7 - 18.4		400
Unmarried	29.5	27.9 - 31.1		25,100	28.7	27.0 - 30.3		22,800	39.5	30.9 - 48.1		1,300
Race/Ethnicity												
White	32.4	30.4 - 34.5		26,700	32.1	29.9 - 34.2		24,600	43.9	34.8 - 53.0		1,400
Hispanic	31.6	30.0 - 33.3		26,000	31.0	29.2 - 32.8		23,800	42.7	34.2 - 51.3		1,400
Asian/Pacific Islander	29.6	27.4 - 31.8		24,300	30.5	28.2 - 32.8		23,400	10.9 *	3.4 - 18.4		400
Black	6.0	5.7 - 6.4		4,900	6.2	5.8 - 6.6		4,700	2.1 *	0.7 - 3.5		<100
Born outside the U.S.	46.1	43.9 - 48.3		39,500	46.8	44.5 - 49.1		37,500	25.8	17.9 - 33.6		900
Speaks non-English language at home	36.2	34.1 - 38.3		30,500	36.7	34.5 - 39.0		28,900	21.9	14.8 - 29.0		700
Lives in a high poverty neighborhood	18.0	16.4 - 19.5		15,000	18.1	16.6 - 19.7		14,600	13.6	6.2 - 21.0		500
Income as a percent of the Federal Poverty Guideline												
0-100%	25.5	24.1 - 26.9		20,400	25.0	23.5 - 26.4		18,700	28.6	21.1 - 36.0		900
101-200%	15.8	14.4 - 17.2		12,600	15.7	14.2 - 17.1		11,700	21.1	14.7 - 27.6		700
> 200%	58.7	57.1 - 60.4		47,100	59.3	57.5 - 61.1		44,500	50.3	41.1 - 59.5		1,600

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

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

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

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2015 were combined, resulting in a statewide sample size of 20,762. The sample size of San Francisco Bay Area was 5,253. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (i.e., numerator of the percent rounded to the nearest hundred) are weighted to represent all women with a live birth who resided in California and the region in 2013-2015. Population estimate (N) is a three-year average. Urban and Rural/Frontier designations are based on the population size or densities of Medical Service Study Areas. See the Technical Notes for information on weighting, comparability to prior years and technical definitions. Visit the MIHA website at www.cdph.ca.gov/MIHA.



MIHA Data Snapshot, San Francisco Bay Area by Income, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area			0-100% Federal Poverty Guideline			101-200% Federal Poverty Guideline			> 200% Federal Poverty Guideline		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		85,700	25.5	24.1 - 26.9	20,400	15.8	14.4 - 17.2	12,600	58.7	57.1 - 60.4	47,100
Health Status before Pregnancy												
In good to excellent health	93.8	92.9 - 94.8	80,300	86.6	84.3 - 88.8	17,600	93.5	91.6 - 95.5	11,800	97.5	96.3 - 98.6	45,900
Chronic conditions												
Diabetes†	2.4	1.7 - 3.0	2,000	3.5	2.4 - 4.6	700	3.3	1.7 - 4.8	400	1.4 *	0.5 - 2.3	600
Hypertension†	2.1	1.6 - 2.6	1,800	2.4	1.4 - 3.4	500	3.0	1.7 - 4.3	400	1.6	1.0 - 2.2	700
Asthma†	8.2	7.2 - 9.3	6,900	11.7	9.3 - 14.1	2,300	7.8	5.1 - 10.5	1,000	6.8	5.4 - 8.3	3,200
Nutrition and Weight												
Daily folic acid use, month before pregnancy	39.3	37.1 - 41.5	33,600	28.1	24.9 - 31.3	5,700	24.2	20.2 - 28.3	3,100	48.6	45.2 - 51.9	22,900
Overweight before pregnancy	23.6	21.7 - 25.5	19,300	29.5	26.1 - 32.9	5,500	27.6	23.1 - 32.2	3,300	20.4	17.8 - 23.1	9,500
Obese before pregnancy	16.4	14.9 - 17.9	13,400	25.3	22.2 - 28.4	4,700	26.2	21.9 - 30.5	3,200	10.6	8.7 - 12.5	4,900
Inadequate weight gain during pregnancy	17.7	15.9 - 19.5	12,800	21.7	18.5 - 24.9	3,400	17.7	13.6 - 21.8	1,800	15.9	13.3 - 18.4	6,800
Excessive weight gain during pregnancy	40.3	37.9 - 42.7	29,300	42.1	38.2 - 46.0	6,700	42.9	37.8 - 48.0	4,400	39.5	36.1 - 43.0	17,000
Food insecurity during pregnancy	11.8	10.6 - 13.0	10,000	31.3	28.1 - 34.4	6,300	17.7	14.4 - 21.0	2,200	1.9 *	0.7 - 3.2	900
Intimate Partner Violence (IPV) and Depressive Symptoms												
Physical or psychological IPV during pregnancy	5.9	4.9 - 7.0	5,100	12.3	10.2 - 14.3	2,500	8.3	5.6 - 11.0	1,000	2.8	1.2 - 4.4	1,300
Prenatal depressive symptoms	12.2	11.0 - 13.5	10,400	23.0	20.1 - 25.9	4,700	15.5	12.0 - 19.0	1,900	6.5	5.0 - 8.1	3,100
Postpartum depressive symptoms	11.6	10.3 - 12.9	9,900	18.0	15.4 - 20.6	3,700	14.1	10.8 - 17.3	1,800	7.8	6.2 - 9.5	3,700
Hardships and Support during Pregnancy												
Experienced two or more hardships during childhood	20.3	18.6 - 21.9	17,100	34.6	31.3 - 37.9	6,900	25.4	21.3 - 29.5	3,200	13.4	11.1 - 15.6	6,300
Homeless or did not have a regular place to sleep	2.7	2.2 - 3.2	2,300	8.1	6.4 - 9.8	1,600	3.3	1.8 - 4.9	400	0.3 *	0.0 - 0.6	200
Moved due to problems paying rent or mortgage	5.0	4.3 - 5.8	4,300	12.9	10.6 - 15.1	2,600	6.7	4.1 - 9.3	800	1.5	0.9 - 2.0	700
Woman or partner lost job	11.9	10.5 - 13.3	10,100	25.6	22.5 - 28.7	5,100	12.2	9.3 - 15.2	1,500	5.8	4.0 - 7.7	2,700
Woman or partner had pay or hours cut back	10.9	9.5 - 12.3	9,300	18.4	15.7 - 21.2	3,700	16.6	13.0 - 20.2	2,100	6.2	4.3 - 8.1	2,900
Became separated or divorced	4.8	4.1 - 5.6	4,100	12.1	10.0 - 14.2	2,400	7.8	5.0 - 10.6	1,000	1.0	0.5 - 1.5	400
Had no practical or emotional support	4.2	3.4 - 5.1	3,600	9.8	7.6 - 12.1	2,000	4.6	2.6 - 6.6	600	1.4 *	0.4 - 2.4	700
Substance Use												
Any smoking, 3 months before pregnancy	8.8	7.8 - 9.9	7,500	15.8	13.4 - 18.3	3,200	12.1	8.9 - 15.2	1,500	5.5	4.2 - 6.8	2,600
Any smoking, 3rd trimester†	1.9	1.5 - 2.3	1,600	4.8	3.6 - 6.1	1,000	2.1	1.1 - 3.2	300	0.7	0.3 - 1.1	300
Any smoking, postpartum	4.1	3.4 - 4.8	3,500	9.4	7.6 - 11.2	1,900	5.0	3.0 - 7.0	600	1.9	1.1 - 2.7	900
Any binge drinking, 3 months before pregnancy	14.4	12.9 - 15.9	12,200	10.5	8.5 - 12.5	2,100	16.1	12.7 - 19.4	2,000	16.7	14.3 - 19.1	7,800
Any alcohol use, 3rd trimester†	10.9	9.5 - 12.3	9,300	4.0	2.5 - 5.4	800	4.9	2.8 - 7.1	600	16.0	13.6 - 18.3	7,500
Pregnancy Intention and Family Planning												
Mistimed or unwanted pregnancy	25.0	23.2 - 26.8	21,300	41.1	37.7 - 44.6	8,400	31.8	27.4 - 36.3	4,000	16.3	13.8 - 18.9	7,700
Unsure of pregnancy intentions	10.8	9.6 - 12.0	9,200	17.0	14.6 - 19.4	3,500	15.2	11.6 - 18.8	1,900	7.0	5.5 - 8.6	3,300
Postpartum birth control use†	81.5	79.7 - 83.3	68,500	85.0	82.7 - 87.4	17,000	87.8	84.9 - 90.7	10,700	79.2	76.4 - 82.1	37,000
Infant Sleep and Breastfeeding												
Placed infant on back to sleep	84.0	82.3 - 85.8	70,900	77.5	74.5 - 80.6	15,500	83.6	80.3 - 86.8	10,400	87.5	84.9 - 90.1	40,900
Infant always or often shared bed	35.4	33.3 - 37.5	29,900	45.1	41.5 - 48.6	9,000	39.5	34.8 - 44.3	4,900	29.4	26.4 - 32.5	13,800
Intended to breastfeed, before birth	94.3	93.4 - 95.3	79,700	92.1	90.0 - 94.1	18,300	93.8	91.6 - 96.1	11,700	96.0	94.8 - 97.2	44,900
Intended to breastfeed exclusively, before birth	69.4	67.4 - 71.5	58,700	58.2	54.6 - 61.7	11,600	67.6	63.2 - 71.9	8,400	75.9	72.9 - 78.9	35,500
Breastfeeding practices												
Any breastfeeding, 1 month after delivery	89.5	88.2 - 90.8	75,300	82.8	80.1 - 85.5	16,400	83.9	80.4 - 87.5	10,500	93.9	92.2 - 95.6	43,800
Exclusive breastfeeding, 1 month after delivery	50.6	48.4 - 52.9	41,800	45.7	42.1 - 49.3	8,800	46.5	41.6 - 51.4	5,600	53.9	50.5 - 57.3	24,900
Any breastfeeding, 3 months after delivery	77.2	75.2 - 79.2	52,500	63.0	59.2 - 66.8	10,500	71.1	66.2 - 76.1	7,100	85.3	82.4 - 88.2	31,100
Exclusive breastfeeding, 3 months after delivery	35.9	33.5 - 38.4	24,100	25.1	21.7 - 28.5	4,100	30.9	25.8 - 36.1	3,000	42.8	38.9 - 46.7	15,400



MIHA Data Snapshot, San Francisco Bay Area by Income, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area			0-100% Federal Poverty Guideline			101-200% Federal Poverty Guideline			> 200% Federal Poverty Guideline		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Service Utilization and Health Insurance Coverage												
Had a usual source of pre-pregnancy care	77.3	75.5 - 79.0	66,200	66.9	63.7 - 70.1	13,700	70.9	66.6 - 75.2	9,000	84.7	82.1 - 87.2	39,900
Initiated prenatal care in 1st trimester	90.9	89.8 - 92.1	76,800	82.9	80.3 - 85.6	16,500	85.2	81.6 - 88.9	10,600	96.5	95.2 - 97.7	45,000
Mom or infant needed but couldn't afford care postpartum	9.7	8.5 - 11.0	8,100	18.7	15.9 - 21.5	3,700	16.1	12.6 - 19.7	2,000	4.3	2.7 - 5.9	2,000
Participated in WIC during pregnancy†	35.6	34.2 - 37.1	29,500	83.6	80.9 - 86.2	17,000	61.9	57.0 - 66.7	7,800	4.7	3.5 - 6.0	2,200
Received CalFresh (food stamps) during pregnancy	14.8	13.6 - 15.9	12,500	47.6	44.1 - 51.1	9,700	15.4	12.1 - 18.6	1,900	0.7*	0.3 - 1.0	300
Pre-pregnancy insurance												
Medi-Cal	18.9	17.6 - 20.2	16,100	53.5	50.0 - 57.0	10,900	23.6	19.7 - 27.5	3,000	1.8	0.8 - 2.8	800
Uninsured	13.7	12.5 - 14.9	11,700	28.3	25.2 - 31.4	5,700	27.1	22.9 - 31.3	3,400	2.5	1.5 - 3.4	1,200
Private	64.2	62.6 - 65.8	54,900	14.7	12.0 - 17.3	3,000	43.6	38.9 - 48.4	5,500	93.6	92.1 - 95.2	44,100
Prenatal insurance												
Medi-Cal	34.3	32.8 - 35.7	29,200	86.7	84.2 - 89.1	17,700	54.6	49.8 - 59.4	6,900	4.3	3.0 - 5.7	2,000
Uninsured	1.7	1.2 - 2.3	1,500	3.2	1.9 - 4.4	600	1.5*	0.5 - 2.5	200	0.6*	0.1 - 1.1	300
Private	61.7	60.1 - 63.3	52,700	9.4	7.2 - 11.6	1,900	39.4	34.5 - 44.2	5,000	92.8	91.1 - 94.4	43,500
Maternal postpartum insurance												
Medi-Cal	27.0	25.6 - 28.4	23,000	73.3	70.2 - 76.3	14,900	38.3	33.9 - 42.8	4,800	3.2	2.0 - 4.4	1,500
Uninsured	7.7	6.7 - 8.6	6,500	15.0	12.6 - 17.4	3,100	15.6	12.4 - 18.9	2,000	1.3	0.7 - 2.0	600
Private	62.6	61.0 - 64.1	53,300	9.3	7.1 - 11.5	1,900	41.8	36.9 - 46.7	5,200	93.3	91.7 - 94.9	43,800
Infant health insurance												
Medi-Cal	36.0	34.5 - 37.5	30,300	90.2	88.0 - 92.4	17,800	61.2	56.3 - 66.1	7,600	5.1	3.9 - 6.3	2,400
Uninsured	2.3	1.7 - 3.0	2,000	3.4	2.1 - 4.7	700	4.6	2.3 - 6.9	600	0.8*	0.3 - 1.3	400
Private	59.4	57.8 - 60.9	50,000	4.8	3.2 - 6.5	1,000	30.0	25.2 - 34.9	3,700	92.2	90.7 - 93.7	43,200
Maternal Demographics												
Did not complete high school (or GED)	10.8	9.7 - 11.8	9,100	29.1	25.9 - 32.2	5,800	12.5	9.4 - 15.5	1,600	1.1*	0.3 - 1.8	500
Unmarried	29.5	27.9 - 31.1	25,100	66.5	63.2 - 69.8	13,500	40.3	35.8 - 44.8	5,100	9.8	8.0 - 11.6	4,600
Race/Ethnicity												
White	32.4	30.4 - 34.5	26,700	12.5	10.1 - 14.8	2,500	21.7	17.6 - 25.7	2,600	45.5	42.2 - 48.9	20,500
Hispanic	31.6	30.0 - 33.3	26,000	59.6	56.3 - 62.9	11,900	48.6	43.7 - 53.4	5,800	12.6	10.6 - 14.6	5,700
Asian/Pacific Islander	29.6	27.4 - 31.8	24,300	14.3	11.5 - 17.2	2,900	21.5	17.0 - 25.9	2,600	39.4	36.0 - 42.9	17,800
Black	6.0	5.7 - 6.4	4,900	13.1	11.7 - 14.5	2,600	8.0	6.4 - 9.7	1,000	2.2	1.8 - 2.6	1,000
Born outside the U.S.	46.1	43.9 - 48.3	39,500	50.6	47.2 - 54.1	10,300	47.4	42.7 - 52.2	6,000	40.9	37.5 - 44.3	19,300
Speaks non-English language at home	36.2	34.1 - 38.3	30,500	49.2	45.7 - 52.6	10,000	40.0	35.3 - 44.7	4,900	26.7	23.5 - 30.0	12,400
Lives in a high poverty neighborhood	18.0	16.4 - 19.5	15,000	36.4	33.1 - 39.8	7,100	23.2	19.4 - 27.0	2,900	8.1	6.1 - 10.2	3,700

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

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

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

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2015 were combined, resulting in a statewide sample size of 20,762. The sample size of San Francisco Bay Area was 5,253. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (i.e., numerator of the percent rounded to the nearest hundred) are weighted to represent all women with a live birth who resided in California and the region in 2013-2015. Population estimate (N) is a three-year average. See the Technical Notes for information on weighting, comparability to prior years and technical definitions. Visit the MIHA website at www.cdph.ca.gov/MIHA.

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



MIHA Data Snapshot, San Francisco Bay Area by Maternal Age, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area			15-19 Years			20-34 Years			35 Years or Older		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		85,700	2.9	2.4 - 3.5	2,500	69.7	67.6 - 71.7	59,700	27.4	25.4 - 29.4	23,500
Health Status before Pregnancy												
In good to excellent health	93.8	92.9 - 94.8	80,300	87.6	81.7 - 93.6	2,200	93.4	92.3 - 94.6	55,700	95.5	94.0 - 97.1	22,400
Chronic conditions												
Diabetes†	2.4	1.7 - 3.0	2,000	1.3 *	0.1 - 2.5	<100	2.0	1.5 - 2.6	1,200	3.2	1.4 - 5.1	800
Hypertension†	2.1	1.6 - 2.6	1,800	--			1.8	1.3 - 2.4	1,100	3.0	1.9 - 4.2	700
Asthma†	8.2	7.2 - 9.3	6,900	23.5	14.2 - 32.7	600	7.6	6.4 - 8.8	4,500	8.2	6.0 - 10.4	1,900
Nutrition and Weight												
Daily folic acid use, month before pregnancy	39.3	37.1 - 41.5	33,600	13.8	8.2 - 19.3	300	37.4	34.9 - 40.0	22,300	46.7	42.3 - 51.2	11,000
Overweight before pregnancy	23.6	21.7 - 25.5	19,300	28.0	18.7 - 37.3	700	24.9	22.6 - 27.2	14,100	20.0	16.7 - 23.3	4,500
Obese before pregnancy	16.4	14.9 - 17.9	13,400	12.7	6.6 - 18.9	300	16.6	14.9 - 18.4	9,400	16.2	13.0 - 19.4	3,600
Inadequate weight gain during pregnancy	17.7	15.9 - 19.5	12,800	21.9	13.0 - 30.7	500	17.7	15.7 - 19.8	8,900	17.0	13.3 - 20.8	3,400
Excessive weight gain during pregnancy	40.3	37.9 - 42.7	29,300	44.6	34.1 - 55.0	900	42.0	39.2 - 44.8	21,200	35.6	31.0 - 40.1	7,200
Food insecurity during pregnancy	11.8	10.6 - 13.0	10,000	18.9	12.2 - 25.5	500	13.1	11.6 - 14.7	7,700	7.7	5.9 - 9.5	1,800
Intimate Partner Violence (IPV) and Depressive Symptoms												
Physical or psychological IPV during pregnancy	5.9	4.9 - 7.0	5,100	14.8	8.3 - 21.2	400	5.9	4.6 - 7.1	3,500	5.2	3.0 - 7.4	1,200
Prenatal depressive symptoms	12.2	11.0 - 13.5	10,400	20.8	12.3 - 29.3	500	13.2	11.6 - 14.8	7,900	8.8	6.7 - 10.9	2,100
Postpartum depressive symptoms	11.6	10.3 - 12.9	9,900	11.7	5.6 - 17.8	300	12.5	11.0 - 14.1	7,500	9.3	7.0 - 11.6	2,200
Hardships and Support during Pregnancy												
Experienced two or more hardships during childhood	20.3	18.6 - 21.9	17,100	38.5	28.8 - 48.2	900	21.4	19.4 - 23.4	12,600	15.4	12.4 - 18.4	3,600
Homeless or did not have a regular place to sleep	2.7	2.2 - 3.2	2,300	7.7	3.4 - 11.9	200	2.8	2.2 - 3.4	1,700	1.9	1.0 - 2.9	500
Moved due to problems paying rent or mortgage	5.0	4.3 - 5.8	4,300	5.6 *	2.1 - 9.1	100	5.7	4.7 - 6.6	3,400	3.2	2.0 - 4.4	800
Woman or partner lost job	11.9	10.5 - 13.3	10,100	17.1	10.7 - 23.5	400	12.2	10.6 - 13.9	7,200	10.6	7.8 - 13.3	2,500
Woman or partner had pay or hours cut back	10.9	9.5 - 12.3	9,300	10.3	5.3 - 15.4	200	11.2	9.6 - 12.9	6,600	10.1	7.4 - 12.8	2,400
Became separated or divorced	4.8	4.1 - 5.6	4,100	17.8	10.6 - 25.1	400	4.7	3.9 - 5.6	2,800	3.7	2.4 - 5.0	900
Had no practical or emotional support	4.2	3.4 - 5.1	3,600	--			4.7	3.6 - 5.9	2,800	3.0	1.7 - 4.3	700
Substance Use												
Any smoking, 3 months before pregnancy	8.8	7.8 - 9.9	7,500	13.8	7.4 - 20.2	300	9.7	8.3 - 11.0	5,700	6.2	4.4 - 8.0	1,500
Any smoking, 3rd trimester†	1.9	1.5 - 2.3	1,600	4.1 *	0.2 - 8.1	100	2.0	1.6 - 2.5	1,200	1.4	0.6 - 2.2	300
Any smoking, postpartum	4.1	3.4 - 4.8	3,500	8.5 *	3.4 - 13.6	200	4.5	3.7 - 5.4	2,700	2.6	1.5 - 3.8	600
Any binge drinking, 3 months before pregnancy	14.4	12.9 - 15.9	12,200	13.3	7.0 - 19.6	300	15.7	13.8 - 17.5	9,200	11.2	8.3 - 14.0	2,600
Any alcohol use, 3rd trimester†	10.9	9.5 - 12.3	9,300	--			9.2	7.7 - 10.8	5,500	16.2	12.9 - 19.5	3,800
Pregnancy Intention and Family Planning												
Mistimed or unwanted pregnancy	25.0	23.2 - 26.8	21,300	66.5	58.1 - 74.8	1,600	25.8	23.7 - 27.9	15,400	18.4	14.7 - 22.1	4,300
Unsure of pregnancy intentions	10.8	9.6 - 12.0	9,200	15.9	9.9 - 22.0	400	10.2	8.9 - 11.5	6,100	11.7	8.9 - 14.4	2,700
Postpartum birth control use†	81.5	79.7 - 83.3	68,500	83.6	76.9 - 90.2	2,000	83.0	80.9 - 85.1	48,600	77.5	73.9 - 81.2	17,900
Infant Sleep and Breastfeeding												
Placed infant on back to sleep	84.0	82.3 - 85.8	70,900	74.5	65.5 - 83.4	1,800	83.8	81.8 - 85.9	49,200	85.5	82.2 - 88.9	19,900
Infant always or often shared bed	35.4	33.3 - 37.5	29,900	44.4	34.8 - 53.9	1,100	35.2	32.8 - 37.7	20,700	34.9	30.7 - 39.1	8,100
Intended to breastfeed, before birth	94.3	93.4 - 95.3	79,700	90.4	84.9 - 96.0	2,200	94.4	93.3 - 95.5	55,400	94.6	92.7 - 96.6	22,100
Intended to breastfeed exclusively, before birth	69.4	67.4 - 71.5	58,700	52.3	42.7 - 61.9	1,300	70.3	68.0 - 72.7	41,300	69.0	64.9 - 73.1	16,100
Breastfeeding practices												
Any breastfeeding, 1 month after delivery	89.5	88.2 - 90.8	75,300	68.7	59.7 - 77.6	1,700	89.8	88.2 - 91.3	52,500	91.0	88.5 - 93.5	21,100
Exclusive breastfeeding, 1 month after delivery	50.6	48.4 - 52.9	41,800	35.2	26.6 - 43.7	900	53.9	51.2 - 56.5	30,900	44.1	39.6 - 48.6	10,100
Any breastfeeding, 3 months after delivery	77.2	75.2 - 79.2	52,500	46.0	35.6 - 56.4	1,000	76.8	74.4 - 79.2	36,100	81.9	78.0 - 85.9	15,300
Exclusive breastfeeding, 3 months after delivery	35.9	33.5 - 38.4	24,100	18.1	11.0 - 25.2	400	37.2	34.2 - 40.2	17,200	34.9	30.2 - 39.5	6,500



MIHA Data Snapshot, San Francisco Bay Area by Maternal Age, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area				15-19 Years			20-34 Years			35 Years or Older		
	%	95% CI		N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Service Utilization and Health Insurance Coverage													
Had a usual source of pre-pregnancy care	77.3	75.5 - 79.0		66,200	69.1	60.5 - 77.7	1,700	74.3	72.0 - 76.5	44,300	85.8	82.9 - 88.6	20,100
Initiated prenatal care in 1st trimester	90.9	89.8 - 92.1		76,800	72.9	64.4 - 81.4	1,800	90.7	89.3 - 92.1	53,200	93.5	91.4 - 95.6	21,700
Mom or infant needed but couldn't afford care postpartum	9.7	8.5 - 11.0		8,100	12.7	6.8 - 18.6	300	11.0	9.4 - 12.7	6,400	6.2	4.4 - 8.0	1,400
Participated in WIC during pregnancy†	35.6	34.2 - 37.1		29,500	85.5	78.7 - 92.3	2,100	39.4	37.4 - 41.3	22,700	20.8	17.8 - 23.7	4,700
Received CalFresh (food stamps) during pregnancy	14.8	13.6 - 15.9		12,500	27.1	19.5 - 34.7	700	16.5	15.0 - 18.0	9,700	9.0	7.1 - 11.0	2,100
Pre-pregnancy insurance													
Medi-Cal	18.9	17.6 - 20.2		16,100	60.3	51.2 - 69.3	1,500	20.2	18.6 - 21.9	12,000	11.1	8.9 - 13.3	2,600
Uninsured	13.7	12.5 - 14.9		11,700	20.2	12.9 - 27.5	500	15.9	14.3 - 17.5	9,500	7.5	5.6 - 9.5	1,800
Private	64.2	62.6 - 65.8		54,900	17.5	10.7 - 24.3	400	60.4	58.3 - 62.5	36,000	78.7	75.7 - 81.8	18,500
Prenatal insurance													
Medi-Cal	34.3	32.8 - 35.7		29,200	81.3	74.1 - 88.6	2,000	37.5	35.5 - 39.5	22,300	21.0	18.0 - 24.1	4,900
Uninsured	1.7	1.2 - 2.3		1,500	--			2.0	1.3 - 2.7	1,200	0.9*	0.3 - 1.4	200
Private	61.7	60.1 - 63.3		52,700	14.5	8.1 - 20.8	400	57.7	55.6 - 59.8	34,300	76.7	73.6 - 79.9	18,000
Maternal postpartum insurance													
Medi-Cal	27.0	25.6 - 28.4		23,000	76.2	67.5 - 84.9	1,900	29.5	27.6 - 31.4	17,500	15.5	12.9 - 18.0	3,600
Uninsured	7.7	6.7 - 8.6		6,500	8.8	4.3 - 13.2	200	8.7	7.5 - 9.9	5,200	4.9	3.4 - 6.5	1,200
Private	62.6	61.0 - 64.1		53,300	12.6*	4.6 - 20.7	300	58.8	56.7 - 60.9	34,900	77.2	74.1 - 80.4	18,100
Infant health insurance													
Medi-Cal	36.0	34.5 - 37.5		30,300	91.2	86.3 - 96.0	2,300	39.3	37.3 - 41.2	23,000	22.0	18.9 - 25.0	5,100
Uninsured	2.3	1.7 - 3.0		2,000	5.5*	1.1 - 9.9	100	2.8	1.9 - 3.6	1,600	0.9*	0.2 - 1.5	200
Private	59.4	57.8 - 60.9		50,000	2.0*	0.3 - 3.8	<100	55.5	53.4 - 57.5	32,400	75.3	72.1 - 78.5	17,500
Maternal Demographics													
Did not complete high school (or GED)	10.8	9.7 - 11.8		9,100	43.2	33.5 - 52.8	1,100	10.3	9.1 - 11.6	6,100	8.5	6.6 - 10.5	2,000
Unmarried	29.5	27.9 - 31.1		25,100	89.4	83.5 - 95.2	2,200	31.2	29.2 - 33.1	18,400	18.8	15.7 - 22.0	4,400
Race/Ethnicity													
White	32.4	30.4 - 34.5		26,700	8.7	4.8 - 12.6	200	31.0	28.6 - 33.4	17,800	38.7	34.3 - 43.0	8,700
Hispanic	31.6	30.0 - 33.3		26,000	74.9	68.0 - 81.9	1,800	33.6	31.4 - 35.7	19,300	22.0	18.8 - 25.2	4,900
Asian/Pacific Islander	29.6	27.4 - 31.8		24,300	--			28.7	26.0 - 31.3	16,400	35.1	30.5 - 39.8	7,900
Black	6.0	5.7 - 6.4		4,900	14.9	9.3 - 20.6	400	6.5	5.9 - 7.0	3,700	3.9	3.0 - 4.8	900
Born outside the U.S.	46.1	43.9 - 48.3		39,500	22.6	15.1 - 30.1	600	45.2	42.6 - 47.8	27,000	50.9	46.5 - 55.3	12,000
Speaks non-English language at home	36.2	34.1 - 38.3		30,500	25.7	17.3 - 34.1	600	37.8	35.2 - 40.4	22,100	33.3	29.0 - 37.6	7,700
Lives in a high poverty neighborhood	18.0	16.4 - 19.5		15,000	36.8	27.3 - 46.3	900	19.2	17.3 - 21.1	11,200	12.8	10.0 - 15.5	2,900

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

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

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

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2015 were combined, resulting in a statewide sample size of 20,762. The sample size of San Francisco Bay Area was 5,253. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (i.e., numerator of the percent rounded to the nearest hundred) are weighted to represent all women with a live birth who resided in California and the region in 2013-2015. Population estimate (N) is a three-year average. See the Technical Notes for information on weighting, comparability to prior years and technical definitions. Visit the MIHA website at www.cdph.ca.gov/MIHA.

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MIHA Data Snapshot, San Francisco Bay Area by Neighborhood Poverty, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area			0-4.9% of Residents below Poverty			5-9.9% of Residents below Poverty			10-19.9% of Residents below Poverty			≥ 20% of Residents below Poverty		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		85,700	21.6	19.6 - 23.6	18,000	30.5	28.4 - 32.6	25,500	30.0	28.1 - 31.9	25,000	18.0	16.4 - 19.5	15,000
Health Status before Pregnancy															
In good to excellent health	93.8	92.9 - 94.8	80,300	97.7*	96.2 - 99.2	17,500	95.0	93.2 - 96.8	24,200	92.5	90.8 - 94.2	23,100	89.6	87.1 - 92.2	13,500
Chronic conditions															
Diabetes†	2.4	1.7 - 3.0	2,000	--			2.3	1.3 - 3.2	600	2.8	1.7 - 3.9	700	2.2	1.2 - 3.1	300
Hypertension†	2.1	1.6 - 2.6	1,800	1.2*	0.4 - 2.1	200	2.0	1.0 - 3.0	500	2.7	1.8 - 3.5	700	2.6	1.3 - 3.9	400
Asthma†	8.2	7.2 - 9.3	6,900	6.5	4.3 - 8.8	1,200	7.3	5.4 - 9.2	1,800	9.5	7.4 - 11.6	2,300	9.5	7.0 - 12.0	1,400
Nutrition and Weight															
Daily folic acid use, month before pregnancy	39.3	37.1 - 41.5	33,600	43.8	38.4 - 49.2	7,900	45.2	40.9 - 49.4	11,500	34.9	31.5 - 38.4	8,700	31.8	27.0 - 36.7	4,800
Overweight before pregnancy	23.6	21.7 - 25.5	19,300	19.7	15.5 - 23.9	3,500	21.6	18.0 - 25.2	5,300	25.4	22.2 - 28.7	6,100	28.0	23.8 - 32.2	3,800
Obese before pregnancy	16.4	14.9 - 17.9	13,400	9.4	7.0 - 11.9	1,700	15.0	11.9 - 18.0	3,700	18.1	15.5 - 20.7	4,300	24.5	20.5 - 28.5	3,400
Inadequate weight gain during pregnancy	17.7	15.9 - 19.5	12,800	13.1	9.2 - 17.0	2,100	18.2	14.7 - 21.7	4,100	16.3	13.5 - 19.1	3,400	24.6	19.8 - 29.3	2,800
Excessive weight gain during pregnancy	40.3	37.9 - 42.7	29,300	36.1	30.6 - 41.6	5,800	39.2	34.7 - 43.7	8,800	43.2	39.4 - 47.1	9,100	43.0	37.3 - 48.7	4,900
Food insecurity during pregnancy	11.8	10.6 - 13.0	10,000	3.9	2.6 - 5.3	700	9.0	7.2 - 10.9	2,300	13.8	11.7 - 16.0	3,400	22.8	18.5 - 27.2	3,300
Intimate Partner Violence (IPV) and Depressive Symptoms															
Physical or psychological IPV during pregnancy	5.9	4.9 - 7.0	5,100	2.2	1.1 - 3.2	400	5.7	3.5 - 7.9	1,400	6.9	4.7 - 9.2	1,700	8.9	6.3 - 11.5	1,300
Prenatal depressive symptoms	12.2	11.0 - 13.5	10,400	7.7	5.2 - 10.1	1,400	10.3	8.0 - 12.7	2,600	14.2	11.8 - 16.6	3,500	17.8	14.5 - 21.2	2,700
Postpartum depressive symptoms	11.6	10.3 - 12.9	9,900	8.8	6.2 - 11.4	1,600	11.3	8.6 - 14.0	2,900	12.8	10.6 - 15.0	3,200	13.4	10.8 - 16.1	2,000
Hardships and Support during Pregnancy															
Experienced two or more hardships during childhood	20.3	18.6 - 21.9	17,100	11.7	8.4 - 14.9	2,100	15.4	12.8 - 17.9	3,900	24.2	21.3 - 27.2	5,900	32.1	27.2 - 36.9	4,700
Homeless or did not have a regular place to sleep	2.7	2.2 - 3.2	2,300	0.7*	0.1 - 1.4	100	2.3	1.4 - 3.2	600	3.0	2.0 - 3.9	700	5.5	3.9 - 7.1	800
Moved due to problems paying rent or mortgage	5.0	4.3 - 5.8	4,300	2.4	1.0 - 3.8	400	4.5	3.1 - 5.8	1,100	5.2	3.8 - 6.6	1,300	8.4	6.3 - 10.5	1,200
Woman or partner lost job	11.9	10.5 - 13.3	10,100	5.1	3.2 - 6.9	900	10.3	7.8 - 12.9	2,600	13.1	10.7 - 15.5	3,200	20.7	16.4 - 25.1	3,100
Woman or partner had pay or hours cut back	10.9	9.5 - 12.3	9,300	5.3	3.3 - 7.4	1,000	10.2	7.5 - 12.8	2,600	12.0	9.8 - 14.3	3,000	17.5	13.2 - 21.8	2,600
Became separated or divorced	4.8	4.1 - 5.6	4,100	3.6	1.8 - 5.4	600	3.4	2.2 - 4.5	900	5.4	3.9 - 6.9	1,300	7.4	5.6 - 9.3	1,100
Had no practical or emotional support	4.2	3.4 - 5.1	3,600	1.8*	0.7 - 2.9	300	3.2	1.4 - 5.0	800	6.0	4.4 - 7.7	1,500	4.8	3.2 - 6.5	700
Substance Use															
Any smoking, 3 months before pregnancy	8.8	7.8 - 9.9	7,500	4.4	2.8 - 6.0	800	7.0	5.3 - 8.7	1,800	12.4	10.0 - 14.8	3,100	10.8	8.2 - 13.3	1,600
Any smoking, 3rd trimester†	1.9	1.5 - 2.3	1,600	0.8*	0.2 - 1.4	100	1.6	0.9 - 2.3	400	2.0	1.2 - 2.7	500	3.6	2.3 - 4.9	500
Any smoking, postpartum	4.1	3.4 - 4.8	3,500	1.7	0.9 - 2.5	300	3.0	1.9 - 4.1	800	5.3	3.6 - 6.9	1,300	6.5	4.8 - 8.1	1,000
Any binge drinking, 3 months before pregnancy	14.4	12.9 - 15.9	12,200	13.0	9.6 - 16.5	2,300	13.7	10.8 - 16.6	3,500	17.9	14.9 - 20.8	4,400	12.0	9.1 - 14.9	1,800
Any alcohol use, 3rd trimester†	10.9	9.5 - 12.3	9,300	13.0	10.1 - 16.0	2,300	13.7	10.6 - 16.7	3,400	9.5	7.5 - 11.5	2,400	6.5	2.7 - 10.3	1,000
Pregnancy Intention and Family Planning															
Mistimed or unwanted pregnancy	25.0	23.2 - 26.8	21,300	21.1	16.2 - 26.0	3,800	19.8	16.9 - 22.6	5,000	28.1	24.9 - 31.4	7,000	33.7	29.3 - 38.0	5,000
Unsure of pregnancy intentions	10.8	9.6 - 12.0	9,200	8.4	5.9 - 10.9	1,500	8.5	6.6 - 10.4	2,200	12.0	9.5 - 14.5	3,000	15.0	12.2 - 17.9	2,300
Postpartum birth control use†	81.5	79.7 - 83.3	68,500	81.8	77.8 - 85.8	14,500	76.9	73.0 - 80.7	19,200	82.3	79.2 - 85.5	20,100	86.9	84.1 - 89.7	12,800
Infant Sleep and Breastfeeding															
Placed infant on back to sleep	84.0	82.3 - 85.8	70,900	88.3	84.5 - 92.2	15,700	82.2	78.4 - 86.0	20,700	83.8	81.0 - 86.7	20,500	82.1	79.0 - 85.3	12,200
Infant always or often shared bed	35.4	33.3 - 37.5	29,900	26.8	22.0 - 31.6	4,800	32.9	29.0 - 36.7	8,300	39.6	35.9 - 43.2	9,700	43.2	38.5 - 48.0	6,400
Intended to breastfeed, before birth	94.3	93.4 - 95.3	79,700	95.4	93.0 - 97.8	17,100	94.7	93.2 - 96.3	23,800	94.4	92.8 - 96.1	23,300	92.7	90.4 - 94.9	13,700
Intended to breastfeed exclusively, before birth	69.4	67.4 - 71.5	58,700	73.2	68.3 - 78.0	13,100	71.6	67.7 - 75.5	18,000	70.3	67.0 - 73.7	17,300	60.7	56.1 - 65.3	8,900
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	89.5	88.2 - 90.8	75,300	92.6	89.8 - 95.5	16,500	91.3	89.1 - 93.5	22,900	88.7	86.1 - 91.3	21,700	84.1	81.1 - 87.2	12,400
Exclusive breastfeeding, 1 month after delivery	50.6	48.4 - 52.9	41,800	50.3	44.7 - 55.9	8,800	51.2	46.9 - 55.5	12,600	49.1	45.4 - 52.8	11,800	51.7	46.8 - 56.5	7,500
Any breastfeeding, 3 months after delivery	77.2	75.2 - 79.2	52,500	82.8	77.9 - 87.7	11,300	82.0	78.7 - 85.3	16,600	74.3	70.4 - 78.1	14,600	69.8	65.2 - 74.4	8,800
Exclusive breastfeeding, 3 months after delivery	35.9	33.5 - 38.4	24,100	37.9	31.6 - 44.3	5,100	38.1	33.2 - 43.0	7,600	35.1	31.2 - 39.0	6,800	32.6	27.1 - 38.0	4,000



MIHA Data Snapshot, San Francisco Bay Area by Neighborhood Poverty, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area			0-4.9% of Residents below Poverty			5-9.9% of Residents below Poverty			10-19.9% of Residents below Poverty			≥ 20% of Residents below Poverty		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Service Utilization and Health Insurance Coverage															
Had a usual source of pre-pregnancy care	77.3	75.5 - 79.0	66,200	82.9	79.1 - 86.6	14,900	77.5	73.7 - 81.3	19,700	76.4	73.5 - 79.3	19,100	73.1	69.2 - 77.1	11,000
Initiated prenatal care in 1st trimester	90.9	89.8 - 92.1	76,800	95.5	93.5 - 97.6	17,000	92.6	90.7 - 94.5	23,200	89.8	87.5 - 92.1	22,100	84.4	81.0 - 87.8	12,500
Mom or infant needed but couldn't afford care postpartum	9.7	8.5 - 11.0	8,100	3.5	2.3 - 4.7	600	8.7	6.5 - 10.8	2,200	10.5	8.5 - 12.5	2,600	17.5	12.9 - 22.0	2,600
Participated in WIC during pregnancy†	35.6	34.2 - 37.1	29,500	11.8	9.2 - 14.4	2,100	25.7	22.6 - 28.9	6,200	42.8	39.5 - 46.1	10,500	67.5	62.5 - 72.5	9,800
Received CalFresh (food stamps) during pregnancy	14.8	13.6 - 15.9	12,500	4.9	3.1 - 6.7	900	9.1	7.2 - 11.0	2,300	16.1	13.8 - 18.4	4,000	32.8	28.9 - 36.8	4,800
Pre-pregnancy insurance															
Medi-Cal	18.9	17.6 - 20.2	16,100	6.0	3.9 - 8.1	1,100	12.4	10.1 - 14.8	3,200	23.5	20.8 - 26.3	5,900	37.2	32.9 - 41.4	5,500
Uninsured	13.7	12.5 - 14.9	11,700	6.2	4.0 - 8.4	1,100	11.1	8.8 - 13.4	2,800	16.7	14.3 - 19.1	4,200	21.3	17.9 - 24.7	3,200
Private	64.2	62.6 - 65.8	54,900	85.9	82.8 - 88.9	15,500	73.1	69.8 - 76.4	18,600	56.1	52.7 - 59.5	14,000	38.4	33.4 - 43.4	5,700
Prenatal insurance															
Medi-Cal	34.3	32.8 - 35.7	29,200	12.6	9.7 - 15.4	2,300	24.6	21.5 - 27.7	6,200	41.4	38.1 - 44.7	10,300	63.3	58.3 - 68.3	9,500
Uninsured	1.7	1.2 - 2.3	1,500	1.2*	0.4 - 2.0	200	1.3*	0.3 - 2.3	300	2.3	1.0 - 3.5	600	1.9*	0.5 - 3.3	300
Private	61.7	60.1 - 63.3	52,700	84.1	81.0 - 87.2	15,100	71.4	68.0 - 74.7	18,100	53.6	50.2 - 57.1	13,300	33.6	28.5 - 38.6	5,000
Maternal postpartum insurance															
Medi-Cal	27.0	25.6 - 28.4	23,000	9.3	7.0 - 11.6	1,700	18.0	15.3 - 20.7	4,600	34.0	30.8 - 37.2	8,400	50.8	46.1 - 55.6	7,600
Uninsured	7.7	6.7 - 8.6	6,500	2.7	1.3 - 4.2	500	6.1	4.5 - 7.8	1,600	8.4	6.8 - 10.0	2,100	13.8	10.9 - 16.8	2,100
Private	62.6	61.0 - 64.1	53,300	85.7	82.6 - 88.7	15,300	72.7	69.5 - 75.9	18,500	54.4	51.0 - 57.9	13,500	33.4	28.4 - 38.5	5,000
Infant health insurance															
Medi-Cal	36.0	34.5 - 37.5	30,300	13.4	10.6 - 16.1	2,400	24.6	21.7 - 27.5	6,200	44.3	40.9 - 47.7	10,900	67.2	62.2 - 72.2	9,900
Uninsured	2.3	1.7 - 3.0	2,000	1.8*	0.6 - 3.0	300	2.8	1.5 - 4.2	700	2.0	1.1 - 2.9	500	2.2	1.0 - 3.3	300
Private	59.4	57.8 - 60.9	50,000	83.6	80.6 - 86.7	14,900	69.8	66.6 - 73.1	17,500	50.9	47.4 - 54.4	12,500	28.6	23.5 - 33.6	4,200
Maternal Demographics															
Age															
15-19	2.9	2.4 - 3.5	2,500	0.4*	0.1 - 0.8	<100	1.6	0.9 - 2.2	400	4.2	2.9 - 5.4	1,000	5.9	4.0 - 7.8	900
20-34	69.7	67.6 - 71.7	59,700	64.5	59.3 - 69.8	11,600	69.6	65.7 - 73.5	17,700	70.7	67.3 - 74.1	17,700	74.6	70.5 - 78.8	11,200
35+	27.4	25.4 - 29.4	23,500	35.1	29.8 - 40.3	6,300	28.8	25.0 - 32.7	7,300	25.1	21.8 - 28.5	6,300	19.4	15.5 - 23.3	2,900
Did not complete high school (or GED)	10.8	9.7 - 11.8	9,100	2.9	1.5 - 4.3	500	5.7	4.4 - 7.1	1,400	13.8	11.5 - 16.1	3,400	23.5	19.8 - 27.2	3,500
Unmarried	29.5	27.9 - 31.1	25,100	12.0	9.4 - 14.6	2,200	21.5	18.6 - 24.3	5,400	35.9	32.6 - 39.2	8,900	51.5	46.7 - 56.3	7,600
Race/Ethnicity															
White	32.4	30.4 - 34.5	26,700	39.8	34.6 - 44.9	7,000	39.3	35.1 - 43.6	9,400	30.6	27.3 - 33.9	7,400	15.6	11.2 - 20.0	2,200
Hispanic	31.6	30.0 - 33.3	26,000	13.4	10.3 - 16.6	2,400	22.2	19.2 - 25.2	5,300	39.6	36.2 - 43.0	9,600	55.2	50.4 - 60.0	7,900
Asian/Pacific Islander	29.6	27.4 - 31.8	24,300	44.0	38.4 - 49.6	7,700	35.3	30.9 - 39.7	8,400	23.5	19.9 - 27.1	5,700	13.4	9.5 - 17.4	1,900
Black	6.0	5.7 - 6.4	4,900	2.6	1.7 - 3.5	500	2.9	2.3 - 3.6	700	5.9	5.0 - 6.8	1,400	15.4	13.2 - 17.6	2,200
Born outside the U.S.	46.1	43.9 - 48.3	39,500	49.9	44.5 - 55.4	9,000	44.6	40.3 - 48.8	11,300	43.7	40.0 - 47.4	10,900	47.4	42.7 - 52.1	7,100
Speaks non-English language at home	36.2	34.1 - 38.3	30,500	32.4	27.0 - 37.8	5,700	33.8	29.6 - 37.9	8,400	36.4	32.7 - 40.0	8,900	44.1	39.5 - 48.8	6,600
Income as a percent of the Federal Poverty Guideline															
0-100%	25.5	24.1 - 26.9	20,400	9.3	7.0 - 11.7	1,600	15.8	13.4 - 18.2	3,700	30.5	27.4 - 33.6	7,100	51.9	47.0 - 56.9	7,100
101-200%	15.8	14.4 - 17.2	12,600	10.4	7.2 - 13.7	1,800	13.2	10.8 - 15.7	3,100	19.7	17.0 - 22.4	4,600	20.9	17.3 - 24.5	2,900
> 200%	58.7	57.1 - 60.4	47,100	80.3	76.4 - 84.1	14,000	71.0	67.7 - 74.3	16,700	49.8	46.1 - 53.4	11,600	27.2	21.8 - 32.6	3,700

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

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

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

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2015 were combined, resulting in a statewide sample size of 20,762. The sample size of San Francisco Bay Area was 5,253. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (i.e., numerator of the percent rounded to the nearest hundred) are weighted to represent all women with a live birth who resided in California and the region in 2013-2015. Population estimate (N) is a three-year average. Neighborhood poverty is the percentage of residents with incomes below poverty in a woman's census tract. See the Technical Notes for information on weighting, comparability to prior years and technical definitions. Visit the MIHA website at www.cdph.ca.gov/MIHA.



MIHA Data Snapshot, San Francisco Bay Area by Prenatal Health Insurance, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area			Medi-Cal			Private		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		85,700	34.3	32.8 - 35.7	29,200	61.7	60.1 - 63.3	52,700
Health Status before Pregnancy									
In good to excellent health	93.8	92.9 - 94.8	80,300	87.4	85.4 - 89.5	25,500	97.3	96.4 - 98.2	51,200
Chronic conditions									
Diabetes†	2.4	1.7 - 3.0	2,000	3.3	2.5 - 4.2	1,000	1.9	1.0 - 2.8	1,000
Hypertension†	2.1	1.6 - 2.6	1,800	2.7	1.9 - 3.6	800	1.9	1.2 - 2.5	1,000
Asthma†	8.2	7.2 - 9.3	6,900	10.4	8.5 - 12.4	3,000	7.1	5.8 - 8.4	3,700
Nutrition and Weight									
Daily folic acid use, month before pregnancy	39.3	37.1 - 41.5	33,600	25.5	22.9 - 28.1	7,400	47.0	43.9 - 50.1	24,700
Overweight before pregnancy	23.6	21.7 - 25.5	19,300	27.5	24.7 - 30.3	7,300	21.5	18.9 - 24.0	11,100
Obese before pregnancy	16.4	14.9 - 17.9	13,400	25.6	22.9 - 28.2	6,800	12.1	10.3 - 14.0	6,300
Inadequate weight gain during pregnancy	17.7	15.9 - 19.5	12,800	21.5	18.5 - 24.4	4,800	15.8	13.5 - 18.1	7,500
Excessive weight gain during pregnancy	40.3	37.9 - 42.7	29,300	41.8	38.5 - 45.0	9,300	39.8	36.6 - 43.1	18,900
Food insecurity during pregnancy	11.8	10.6 - 13.0	10,000	26.4	23.9 - 28.9	7,600	3.8	2.5 - 5.0	2,000
Intimate Partner Violence (IPV) and Depressive Symptoms									
Physical or psychological IPV during pregnancy	5.9	4.9 - 7.0	5,100	11.1	9.1 - 13.1	3,200	2.9	1.6 - 4.2	1,500
Prenatal depressive symptoms	12.2	11.0 - 13.5	10,400	21.2	18.7 - 23.7	6,200	7.1	5.7 - 8.4	3,700
Postpartum depressive symptoms	11.6	10.3 - 12.9	9,900	17.3	14.9 - 19.7	5,000	8.5	7.0 - 10.0	4,500
Hardships and Support during Pregnancy									
Experienced two or more hardships during childhood	20.3	18.6 - 21.9	17,100	32.2	29.4 - 35.0	9,200	13.7	11.6 - 15.8	7,200
Homeless or did not have a regular place to sleep	2.7	2.2 - 3.2	2,300	6.7	5.4 - 8.0	1,900	0.6	0.3 - 1.0	300
Moved due to problems paying rent or mortgage	5.0	4.3 - 5.8	4,300	11.0	9.2 - 12.9	3,200	1.7	1.1 - 2.2	900
Woman or partner lost job	11.9	10.5 - 13.3	10,100	22.2	19.8 - 24.7	6,400	6.1	4.4 - 7.8	3,200
Woman or partner had pay or hours cut back	10.9	9.5 - 12.3	9,300	17.1	14.9 - 19.4	4,900	7.7	5.8 - 9.5	4,000
Became separated or divorced	4.8	4.1 - 5.6	4,100	10.5	8.7 - 12.2	3,000	1.7	1.1 - 2.3	900
Had no practical or emotional support	4.2	3.4 - 5.1	3,600	8.9	6.9 - 11.0	2,600	1.6	0.9 - 2.3	800
Substance Use									
Any smoking, 3 months before pregnancy	8.8	7.8 - 9.9	7,500	13.9	11.8 - 15.9	4,000	6.2	5.0 - 7.4	3,200
Any smoking, 3rd trimester†	1.9	1.5 - 2.3	1,600	3.8	2.9 - 4.8	1,100	0.9	0.5 - 1.3	500
Any smoking, postpartum	4.1	3.4 - 4.8	3,500	8.4	6.7 - 10.1	2,400	1.9	1.3 - 2.5	1,000
Any binge drinking, 3 months before pregnancy	14.4	12.9 - 15.9	12,200	12.2	10.2 - 14.3	3,500	15.6	13.5 - 17.7	8,100
Any alcohol use, 3rd trimester†	10.9	9.5 - 12.3	9,300	4.3	3.1 - 5.5	1,200	15.1	12.9 - 17.2	7,900
Pregnancy Intention and Family Planning									
Mistimed or unwanted pregnancy	25.0	23.2 - 26.8	21,300	38.1	35.2 - 41.0	11,100	17.6	15.2 - 20.0	9,200
Unsure of pregnancy intentions	10.8	9.6 - 12.0	9,200	15.9	14.0 - 17.9	4,600	7.9	6.4 - 9.4	4,100
Postpartum birth control use†	81.5	79.7 - 83.3	68,500	85.1	82.9 - 87.2	24,300	79.7	77.1 - 82.3	41,300
Infant Sleep and Breastfeeding									
Placed infant on back to sleep	84.0	82.3 - 85.8	70,900	79.1	76.7 - 81.6	22,700	87.3	84.9 - 89.7	45,500
Infant always or often shared bed	35.4	33.3 - 37.5	29,900	43.4	40.5 - 46.4	12,500	30.7	27.9 - 33.6	16,000
Intended to breastfeed, before birth	94.3	93.4 - 95.3	79,700	92.5	90.9 - 94.1	26,500	95.2	94.0 - 96.5	49,700
Intended to breastfeed exclusively, before birth	69.4	67.4 - 71.5	58,700	60.3	57.3 - 63.2	17,300	75.1	72.4 - 77.8	39,200
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	89.5	88.2 - 90.8	75,300	84.7	82.5 - 86.9	24,200	92.4	90.7 - 94.1	48,000
Exclusive breastfeeding, 1 month after delivery	50.6	48.4 - 52.9	41,800	46.8	43.7 - 49.9	13,000	53.6	50.4 - 56.7	27,500
Any breastfeeding, 3 months after delivery	77.2	75.2 - 79.2	52,500	68.6	65.6 - 71.6	16,600	83.0	80.3 - 85.7	34,000
Exclusive breastfeeding, 3 months after delivery	35.9	33.5 - 38.4	24,100	27.7	24.7 - 30.7	6,600	41.5	37.9 - 45.1	16,800



MIHA Data Snapshot, San Francisco Bay Area by Prenatal Health Insurance, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area				Medi-Cal				Private			
	%	95% CI		N	%	95% CI		N	%	95% CI		N
Service Utilization and Health Insurance Coverage												
Had a usual source of pre-pregnancy care	77.3	75.5 - 79.0		66,200	64.6	61.8 - 67.5		18,900	85.0	82.7 - 87.3		44,700
Initiated prenatal care in 1st trimester	90.9	89.8 - 92.1		76,800	82.3	79.9 - 84.6		23,600	96.2	95.0 - 97.4		50,100
Mom or infant needed but couldn't afford care postpartum	9.7	8.5 - 11.0		8,100	16.7	14.4 - 19.0		4,800	5.7	4.1 - 7.3		2,900
Participated in WIC during pregnancy†	35.6	34.2 - 37.1		29,500	80.6	78.0 - 83.1		23,300	9.8	8.3 - 11.3		4,900
Received CalFresh (food stamps) during pregnancy	14.8	13.6 - 15.9		12,500	39.7	36.8 - 42.6		11,600	1.5	1.0 - 2.0		800
Pre-pregnancy insurance												
Medi-Cal	18.9	17.6 - 20.2		16,100	53.4	50.5 - 56.4		15,600	0.7 *	0.3 - 1.1		400
Uninsured	13.7	12.5 - 14.9		11,700	32.3	29.6 - 35.1		9,400	1.5	0.8 - 2.1		800
Private	64.2	62.6 - 65.8		54,900	10.2	8.3 - 12.0		3,000	97.5	96.7 - 98.4		51,300
Maternal postpartum insurance												
Medi-Cal	27.0	25.6 - 28.4		23,000	73.3	70.7 - 76.0		21,300	2.0	1.3 - 2.6		1,000
Uninsured	7.7	6.7 - 8.6		6,500	17.0	15.0 - 19.1		4,900	1.3	0.6 - 2.1		700
Private	62.6	61.0 - 64.1		53,300	7.0	5.0 - 8.9		2,000	96.3	95.3 - 97.4		50,700
Infant health insurance												
Medi-Cal	36.0	34.5 - 37.5		30,300	90.0	87.6 - 92.4		25,600	6.7	5.5 - 7.9		3,500
Uninsured	2.3	1.7 - 3.0		2,000	3.2	2.1 - 4.2		900	1.4	0.7 - 2.0		700
Private	59.4	57.8 - 60.9		50,000	5.4	3.3 - 7.5		1,500	91.4	90.0 - 92.8		47,700
Maternal Demographics												
Age												
15-19	2.9	2.4 - 3.5		2,500	6.9	5.5 - 8.4		2,000	0.7	0.4 - 1.0		400
20-34	69.7	67.6 - 71.7		59,700	76.2	73.5 - 78.8		22,300	65.1	62.1 - 68.1		34,300
35+	27.4	25.4 - 29.4		23,500	16.9	14.5 - 19.3		4,900	34.2	31.3 - 37.2		18,000
Did not complete high school (or GED)	10.8	9.7 - 11.8		9,100	25.7	23.2 - 28.2		7,400	2.3	1.5 - 3.2		1,200
Unmarried	29.5	27.9 - 31.1		25,100	59.0	56.1 - 62.0		17,100	13.3	11.5 - 15.1		7,000
Race/Ethnicity												
White	32.4	30.4 - 34.5		26,700	14.3	12.0 - 16.5		4,100	42.5	39.4 - 45.5		21,200
Hispanic	31.6	30.0 - 33.3		26,000	59.1	56.2 - 62.0		16,800	16.2	14.1 - 18.2		8,100
Asian/Pacific Islander	29.6	27.4 - 31.8		24,300	15.0	12.5 - 17.5		4,300	38.3	35.0 - 41.5		19,100
Black	6.0	5.7 - 6.4		4,900	11.2	10.3 - 12.2		3,200	2.9	2.5 - 3.4		1,500
Born outside the U.S.	46.1	43.9 - 48.3		39,500	52.4	49.5 - 55.3		15,300	41.9	38.8 - 45.0		22,100
Speaks non-English language at home	36.2	34.1 - 38.3		30,500	49.7	46.7 - 52.7		14,300	28.2	25.2 - 31.2		14,600
Lives in a high poverty neighborhood	18.0	16.4 - 19.5		15,000	33.6	30.8 - 36.3		9,500	9.8	7.8 - 11.7		5,000
Income as a percent of the Federal Poverty Guideline												
0-100%	25.5	24.1 - 26.9		20,400	66.5	63.4 - 69.5		17,700	3.8	2.9 - 4.7		1,900
101-200%	15.8	14.4 - 17.2		12,600	25.9	23.2 - 28.6		6,900	9.9	8.2 - 11.5		5,000
> 200%	58.7	57.1 - 60.4		47,100	7.6	5.3 - 10.0		2,000	86.3	84.5 - 88.1		43,500

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

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

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Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (i.e., numerator of the percent rounded to the nearest hundred) are weighted to represent all women with a live birth who resided in California and the region in 2013-2015. Population estimate (N) is a three-year average. See the Technical Notes for information on weighting, comparability to prior years and technical definitions. Visit the MIHA website at www.cdph.ca.gov/MIHA.

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MIHA Data Snapshot, San Francisco Bay Area by Race/Ethnicity, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area			Hispanic			Black			White			Asian/Pacific Islander		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		85,700	31.6	30.0 - 33.3	26,000	6.0	5.7 - 6.4	4,900	32.4	30.4 - 34.5	26,700	29.6	27.4 - 31.8	24,300
Health Status before Pregnancy															
In good to excellent health	93.8	92.9 - 94.8	80,300	89.1	87.2 - 91.1	23,200	89.7	87.0 - 92.5	4,400	97.2	96.2 - 98.2	25,800	95.7	93.6 - 97.8	23,300
Chronic conditions															
Diabetes†	2.4	1.7 - 3.0	2,000	2.6	1.8 - 3.4	700	2.7	1.2 - 4.2	100	0.8	0.4 - 1.2	200	3.4	1.5 - 5.3	800
Hypertension†	2.1	1.6 - 2.6	1,800	2.0	1.2 - 2.9	500	6.9	4.5 - 9.3	300	1.7	0.8 - 2.5	400	1.4*	0.6 - 2.3	300
Asthma†	8.2	7.2 - 9.3	6,900	8.4	6.5 - 10.2	2,100	17.6	13.6 - 21.6	900	10.3	8.2 - 12.5	2,700	4.0	2.3 - 5.8	1,000
Nutrition and Weight															
Daily folic acid use, month before pregnancy	39.3	37.1 - 41.5	33,600	29.9	26.7 - 33.0	7,700	26.6	22.0 - 31.2	1,300	44.3	40.4 - 48.3	11,800	45.9	40.9 - 51.0	11,200
Overweight before pregnancy	23.6	21.7 - 25.5	19,300	29.5	26.3 - 32.7	6,800	27.6	23.2 - 32.0	1,300	23.8	20.3 - 27.2	6,200	16.7	13.2 - 20.3	4,000
Obese before pregnancy	16.4	14.9 - 17.9	13,400	26.9	23.9 - 30.0	6,200	28.0	23.3 - 32.6	1,300	14.4	11.7 - 17.2	3,800	6.2	4.2 - 8.2	1,500
Inadequate weight gain during pregnancy	17.7	15.9 - 19.5	12,800	21.5	18.4 - 24.6	4,200	16.2	12.1 - 20.2	700	12.6	10.2 - 15.1	3,000	21.3	17.0 - 25.6	4,700
Excessive weight gain during pregnancy	40.3	37.9 - 42.7	29,300	39.3	35.5 - 43.0	7,600	49.9	44.2 - 55.7	2,000	49.1	45.0 - 53.3	11,700	29.4	24.6 - 34.2	6,500
Food insecurity during pregnancy	11.8	10.6 - 13.0	10,000	20.7	18.2 - 23.1	5,300	22.9	18.8 - 27.0	1,100	6.7	4.3 - 9.0	1,800	5.5	4.0 - 7.1	1,300
Intimate Partner Violence (IPV) and Depressive Symptoms															
Physical or psychological IPV during pregnancy	5.9	4.9 - 7.0	5,100	7.8	6.2 - 9.3	2,000	9.9	7.0 - 12.9	500	3.9	2.3 - 5.5	1,000	5.3	2.6 - 8.0	1,300
Prenatal depressive symptoms	12.2	11.0 - 13.5	10,400	18.4	15.8 - 21.1	4,800	20.4	16.6 - 24.2	1,000	8.6	6.8 - 10.4	2,300	7.2	4.9 - 9.5	1,800
Postpartum depressive symptoms	11.6	10.3 - 12.9	9,900	14.9	12.5 - 17.3	3,900	15.9	12.6 - 19.3	800	9.3	7.2 - 11.3	2,500	9.9	7.3 - 12.6	2,400
Hardships and Support during Pregnancy															
Experienced two or more hardships during childhood	20.3	18.6 - 21.9	17,100	30.9	27.9 - 34.0	7,900	34.1	29.0 - 39.2	1,600	19.4	16.1 - 22.6	5,100	6.8	4.6 - 9.1	1,700
Homeless or did not have a regular place to sleep	2.7	2.2 - 3.2	2,300	3.6	2.5 - 4.7	900	11.9	8.8 - 15.0	600	1.3	0.8 - 1.8	300	1.1*	0.4 - 1.8	300
Moved due to problems paying rent or mortgage	5.0	4.3 - 5.8	4,300	8.1	6.4 - 9.8	2,100	12.0	9.0 - 15.0	600	3.2	2.0 - 4.4	900	2.1	1.2 - 3.0	500
Woman or partner lost job	11.9	10.5 - 13.3	10,100	16.9	14.5 - 19.2	4,300	20.4	16.4 - 24.4	1,000	12.0	8.8 - 15.2	3,200	5.3	3.6 - 7.1	1,300
Woman or partner had pay or hours cut back	10.9	9.5 - 12.3	9,300	14.3	12.0 - 16.6	3,700	17.7	14.0 - 21.4	900	12.1	8.9 - 15.3	3,200	4.9	3.2 - 6.6	1,200
Became separated or divorced	4.8	4.1 - 5.6	4,100	8.0	6.3 - 9.8	2,100	15.1	11.8 - 18.4	700	2.6	1.6 - 3.7	700	1.3*	0.5 - 2.2	300
Had no practical or emotional support	4.2	3.4 - 5.1	3,600	8.2	6.4 - 10.1	2,100	4.3	2.2 - 6.3	200	1.6*	0.7 - 2.6	400	3.1*	1.3 - 5.0	800
Substance Use															
Any smoking, 3 months before pregnancy	8.8	7.8 - 9.9	7,500	8.3	6.4 - 10.2	2,100	20.1	15.9 - 24.3	1,000	10.4	8.3 - 12.5	2,800	5.2	3.4 - 6.9	1,300
Any smoking, 3rd trimester†	1.9	1.5 - 2.3	1,600	1.3	0.7 - 2.0	300	8.5	5.7 - 11.2	400	2.0	1.3 - 2.8	500	1.0*	0.3 - 1.6	200
Any smoking, postpartum	4.1	3.4 - 4.8	3,500	3.7	2.5 - 4.9	1,000	14.4	11.1 - 17.8	700	4.5	3.0 - 5.9	1,200	2.2	1.1 - 3.3	500
Any binge drinking, 3 months before pregnancy	14.4	12.9 - 15.9	12,200	13.3	10.9 - 15.6	3,400	14.3	10.6 - 17.9	700	21.7	18.4 - 25.1	5,700	6.8	4.7 - 9.0	1,700
Any alcohol use, 3rd trimester†	10.9	9.5 - 12.3	9,300	4.8	3.3 - 6.3	1,200	6.6	4.0 - 9.2	300	23.6	20.0 - 27.2	6,200	4.5	2.9 - 6.1	1,100
Pregnancy Intention and Family Planning															
Mistimed or unwanted pregnancy	25.0	23.2 - 26.8	21,300	34.0	30.9 - 37.1	8,800	35.2	30.5 - 39.9	1,700	18.1	15.2 - 21.0	4,800	20.5	16.5 - 24.5	5,000
Unsure of pregnancy intentions	10.8	9.6 - 12.0	9,200	12.0	10.1 - 14.0	3,100	22.5	18.2 - 26.8	1,100	10.5	8.1 - 12.9	2,800	7.7	5.4 - 9.9	1,900
Postpartum birth control use†	81.5	79.7 - 83.3	68,500	88.3	86.3 - 90.4	22,400	78.8	74.8 - 82.9	3,800	82.4	79.5 - 85.3	21,700	73.9	69.3 - 78.5	17,600
Infant Sleep and Breastfeeding															
Placed infant on back to sleep	84.0	82.3 - 85.8	70,900	82.4	79.7 - 85.1	21,100	69.0	64.2 - 73.7	3,300	87.2	84.3 - 90.2	23,000	85.5	81.4 - 89.5	20,400
Infant always or often shared bed	35.4	33.3 - 37.5	29,900	39.4	36.2 - 42.7	10,100	50.9	45.8 - 56.1	2,400	25.8	22.3 - 29.2	6,800	37.7	32.9 - 42.5	9,000
Intended to breastfeed, before birth	94.3	93.4 - 95.3	79,700	92.8	91.0 - 94.7	23,900	91.0	87.9 - 94.0	4,300	95.2	93.7 - 96.7	25,100	95.5	93.6 - 97.4	22,900
Intended to breastfeed exclusively, before birth	69.4	67.4 - 71.5	58,700	60.7	57.5 - 64.0	15,600	66.9	62.0 - 71.8	3,200	80.8	77.4 - 84.2	21,300	66.1	61.6 - 70.7	15,900
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	89.5	88.2 - 90.8	75,300	85.7	83.3 - 88.1	22,000	81.2	77.2 - 85.1	3,900	91.7	89.6 - 93.8	24,100	92.2	89.4 - 95.1	22,000
Exclusive breastfeeding, 1 month after delivery	50.6	48.4 - 52.9	41,800	48.0	44.6 - 51.4	12,000	51.5	46.2 - 56.9	2,400	59.0	55.0 - 62.9	15,300	43.3	38.0 - 48.5	10,100
Any breastfeeding, 3 months after delivery	77.2	75.2 - 79.2	52,500	69.9	66.5 - 73.3	15,500	63.5	57.9 - 69.2	2,400	82.2	78.7 - 85.6	16,600	82.8	78.4 - 87.1	15,300
Exclusive breastfeeding, 3 months after delivery	35.9	33.5 - 38.4	24,100	29.2	25.9 - 32.6	6,300	30.3	24.9 - 35.6	1,100	46.2	41.5 - 50.9	9,300	32.8	26.9 - 38.7	6,000



MIHA Data Snapshot, San Francisco Bay Area by Race/Ethnicity, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area			Hispanic			Black			White			Asian/Pacific Islander		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Service Utilization and Health Insurance Coverage															
Had a usual source of pre-pregnancy care	77.3	75.5 - 79.0	66,200	70.9	68.0 - 73.8	18,400	78.9	74.8 - 83.0	3,900	83.4	80.8 - 86.0	22,200	77.5	73.3 - 81.8	18,900
Initiated prenatal care in 1st trimester	90.9	89.8 - 92.1	76,800	86.6	84.3 - 88.9	22,000	87.1	83.8 - 90.3	4,300	95.4	94.0 - 96.9	25,100	91.1	88.5 - 93.8	22,000
Mom or infant needed but couldn't afford care postpartum	9.7	8.5 - 11.0	8,100	14.4	12.1 - 16.7	3,700	12.9	9.8 - 15.9	600	8.2	5.5 - 10.9	2,100	5.9	4.0 - 7.8	1,400
Participated in WIC during pregnancy†	35.6	34.2 - 37.1	29,500	69.7	66.6 - 72.8	17,800	65.1	61.1 - 69.2	3,200	13.3	11.0 - 15.5	3,400	17.7	14.9 - 20.6	4,100
Received CalFresh (food stamps) during pregnancy	14.8	13.6 - 15.9	12,500	24.9	22.2 - 27.6	6,400	47.7	43.0 - 52.4	2,300	6.5	5.1 - 7.9	1,700	6.5	4.5 - 8.5	1,500
Pre-pregnancy insurance															
Medi-Cal	18.9	17.6 - 20.2	16,100	34.8	31.8 - 37.8	9,000	43.1	38.5 - 47.7	2,100	7.4	5.8 - 9.1	2,000	10.7	8.1 - 13.3	2,600
Uninsured	13.7	12.5 - 14.9	11,700	27.0	24.3 - 29.8	7,000	16.5	12.4 - 20.5	800	8.7	6.5 - 10.8	2,300	5.3	3.6 - 6.9	1,300
Private	64.2	62.6 - 65.8	54,900	34.8	31.6 - 38.0	9,000	34.9	30.8 - 39.1	1,700	80.9	78.1 - 83.7	21,600	81.3	78.0 - 84.5	19,800
Prenatal insurance															
Medi-Cal	34.3	32.8 - 35.7	29,200	64.8	61.6 - 68.0	16,800	64.8	60.7 - 68.9	3,200	15.3	12.8 - 17.7	4,100	17.6	14.6 - 20.7	4,300
Uninsured	1.7	1.2 - 2.3	1,500	2.7	1.5 - 3.9	700	2.1*	0.4 - 3.9	100	1.9*	0.7 - 3.2	500	0.6*	0.1 - 1.0	100
Private	61.7	60.1 - 63.3	52,700	31.2	28.0 - 34.3	8,100	29.6	25.6 - 33.5	1,500	80.0	77.2 - 82.8	21,200	79.0	75.6 - 82.3	19,100
Maternal postpartum insurance															
Medi-Cal	27.0	25.6 - 28.4	23,000	47.9	44.7 - 51.0	12,300	63.2	59.1 - 67.3	3,100	11.7	9.6 - 13.8	3,100	15.6	12.6 - 18.5	3,800
Uninsured	7.7	6.7 - 8.6	6,500	17.7	15.3 - 20.0	4,600	4.8	2.7 - 6.9	200	3.3	2.0 - 4.5	900	3.2	1.8 - 4.5	800
Private	62.6	61.0 - 64.1	53,300	31.1	27.9 - 34.3	8,000	28.7	24.8 - 32.6	1,400	82.6	80.1 - 85.1	21,900	78.5	75.0 - 82.0	19,100
Infant health insurance															
Medi-Cal	36.0	34.5 - 37.5	30,300	67.3	64.0 - 70.5	17,200	70.2	66.1 - 74.3	3,300	15.1	12.9 - 17.3	4,000	20.5	17.4 - 23.7	4,900
Uninsured	2.3	1.7 - 3.0	2,000	4.2	2.7 - 5.7	1,100	1.9*	0.4 - 3.3	<100	2.3	1.1 - 3.5	600	0.8*	0.2 - 1.4	200
Private	59.4	57.8 - 60.9	50,000	26.0	22.9 - 29.2	6,600	24.7	20.7 - 28.7	1,200	80.0	77.3 - 82.6	21,000	77.0	73.6 - 80.3	18,500
Maternal Demographics															
Age															
15-19	2.9	2.4 - 3.5	2,500	7.0	5.4 - 8.6	1,800	7.3	4.5 - 10.2	400	0.8	0.4 - 1.1	200	--		
20-34	69.7	67.6 - 71.7	59,700	74.0	71.1 - 76.9	19,300	75.0	70.4 - 79.6	3,700	66.7	63.0 - 70.5	17,800	67.5	62.8 - 72.3	16,400
35+	27.4	25.4 - 29.4	23,500	19.0	16.3 - 21.6	4,900	17.6	13.6 - 21.6	900	32.5	28.7 - 36.2	8,700	32.3	27.6 - 37.1	7,900
Did not complete high school (or GED)	10.8	9.7 - 11.8	9,100	27.3	24.5 - 30.1	7,000	13.8	10.3 - 17.2	700	2.6	1.5 - 3.7	700	2.4	1.1 - 3.7	600
Unmarried	29.5	27.9 - 31.1	25,100	51.4	48.2 - 54.7	13,200	70.5	66.3 - 74.8	3,500	17.3	14.7 - 19.9	4,600	10.8	8.3 - 13.2	2,600
Born outside the U.S.	46.1	43.9 - 48.3	39,500	54.7	51.4 - 58.0	14,200	14.8	10.9 - 18.8	700	17.4	14.2 - 20.7	4,600	76.8	73.0 - 80.6	18,700
Speaks non-English language at home	36.2	34.1 - 38.3	30,500	50.2	46.9 - 53.5	13,000	10.9	7.2 - 14.5	500	7.8	5.8 - 9.9	2,100	60.1	55.2 - 65.1	14,000
Lives in a high poverty neighborhood	18.0	16.4 - 19.5	15,000	31.4	28.3 - 34.4	7,900	45.9	40.9 - 51.0	2,200	8.6	6.0 - 11.2	2,200	8.1	5.5 - 10.6	1,900
Income as a percent of the Federal Poverty Guideline															
0-100%	25.5	24.1 - 26.9	20,400	50.7	47.3 - 54.1	11,900	57.1	52.4 - 61.8	2,600	9.7	7.8 - 11.6	2,500	12.3	9.7 - 14.9	2,900
101-200%	15.8	14.4 - 17.2	12,600	25.0	22.1 - 28.0	5,800	21.2	17.1 - 25.4	1,000	10.2	8.1 - 12.3	2,600	11.1	8.5 - 13.8	2,600
> 200%	58.7	57.1 - 60.4	47,100	24.3	21.0 - 27.6	5,700	21.7	17.9 - 25.6	1,000	80.1	77.4 - 82.8	20,500	76.6	73.0 - 80.1	17,800

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

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

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

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2015 were combined, resulting in a statewide sample size of 20,762. The sample size of San Francisco Bay Area was 5,253. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (i.e., numerator of the percent rounded to the nearest hundred) are weighted to represent all women with a live birth who resided in California and the region in 2013-2015. Population estimate (N) is a three-year average. See the Technical Notes for information on weighting, comparability to prior years and technical definitions. Visit the MIHA website at www.cdph.ca.gov/MIHA.

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MIHA Data Snapshot, San Francisco Bay Area by Total Live Births, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area			First Live Birth			Second Live Birth or More		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		85,700	44.6	42.4 - 46.8	38,200	55.4	53.2 - 57.6	47,500
Health Status before Pregnancy									
In good to excellent health	93.8	92.9 - 94.8	80,300	94.5	93.0 - 96.0	36,100	93.3	92.1 - 94.5	44,200
Chronic conditions									
Diabetes†	2.4	1.7 - 3.0	2,000	1.4	0.8 - 2.0	500	3.1	2.1 - 4.2	1,500
Hypertension†	2.1	1.6 - 2.6	1,800	1.7	1.1 - 2.3	600	2.5	1.7 - 3.2	1,100
Asthma†	8.2	7.2 - 9.3	6,900	8.7	6.9 - 10.4	3,300	7.9	6.5 - 9.2	3,700
Nutrition and Weight									
Daily folic acid use, month before pregnancy	39.3	37.1 - 41.5	33,600	45.7	42.2 - 49.1	17,400	34.2	31.4 - 36.9	16,200
Overweight before pregnancy	23.6	21.7 - 25.5	19,300	20.2	17.5 - 23.0	7,500	26.4	23.9 - 29.0	11,800
Obese before pregnancy	16.4	14.9 - 17.9	13,400	12.8	10.5 - 15.1	4,700	19.4	17.4 - 21.4	8,700
Inadequate weight gain during pregnancy	17.7	15.9 - 19.5	12,800	16.0	13.3 - 18.7	5,300	19.1	16.7 - 21.5	7,500
Excessive weight gain during pregnancy	40.3	37.9 - 42.7	29,300	44.6	40.9 - 48.3	14,900	36.6	33.6 - 39.6	14,400
Food insecurity during pregnancy	11.8	10.6 - 13.0	10,000	8.8	6.9 - 10.6	3,300	14.2	12.6 - 15.8	6,700
Intimate Partner Violence (IPV) and Depressive Symptoms									
Physical or psychological IPV during pregnancy	5.9	4.9 - 7.0	5,100	6.3	4.5 - 8.2	2,400	5.6	4.4 - 6.9	2,600
Prenatal depressive symptoms	12.2	11.0 - 13.5	10,400	10.6	8.6 - 12.5	4,000	13.6	11.8 - 15.3	6,400
Postpartum depressive symptoms	11.6	10.3 - 12.9	9,900	11.5	9.5 - 13.5	4,400	11.7	10.1 - 13.4	5,500
Hardships and Support during Pregnancy									
Experienced two or more hardships during childhood	20.3	18.6 - 21.9	17,100	16.7	14.3 - 19.1	6,300	23.2	20.9 - 25.4	10,800
Homeless or did not have a regular place to sleep	2.7	2.2 - 3.2	2,300	2.6	1.9 - 3.3	1,000	2.8	2.1 - 3.6	1,300
Moved due to problems paying rent or mortgage	5.0	4.3 - 5.8	4,300	3.9	3.0 - 4.8	1,500	5.9	4.7 - 7.0	2,800
Woman or partner lost job	11.9	10.5 - 13.3	10,100	11.5	9.2 - 13.8	4,400	12.2	10.5 - 13.9	5,700
Woman or partner had pay or hours cut back	10.9	9.5 - 12.3	9,300	10.2	7.8 - 12.5	3,800	11.5	9.9 - 13.1	5,400
Became separated or divorced	4.8	4.1 - 5.6	4,100	4.5	3.4 - 5.6	1,700	5.1	4.1 - 6.1	2,400
Had no practical or emotional support	4.2	3.4 - 5.1	3,600	2.6	1.3 - 3.8	1,000	5.5	4.3 - 6.7	2,600
Substance Use									
Any smoking, 3 months before pregnancy	8.8	7.8 - 9.9	7,500	9.1	7.4 - 10.7	3,400	8.6	7.3 - 10.0	4,100
Any smoking, 3rd trimester†	1.9	1.5 - 2.3	1,600	1.4	0.9 - 1.9	500	2.4	1.8 - 3.0	1,100
Any smoking, postpartum	4.1	3.4 - 4.8	3,500	3.4	2.4 - 4.5	1,300	4.7	3.8 - 5.6	2,200
Any binge drinking, 3 months before pregnancy	14.4	12.9 - 15.9	12,200	18.4	15.8 - 21.0	6,900	11.2	9.4 - 12.9	5,200
Any alcohol use, 3rd trimester†	10.9	9.5 - 12.3	9,300	12.1	9.7 - 14.5	4,600	10.0	8.4 - 11.6	4,700
Pregnancy Intention and Family Planning									
Mistimed or unwanted pregnancy	25.0	23.2 - 26.8	21,300	23.4	20.7 - 26.1	8,900	26.3	23.8 - 28.8	12,400
Unsure of pregnancy intentions	10.8	9.6 - 12.0	9,200	9.1	7.5 - 10.7	3,500	12.1	10.4 - 13.9	5,700
Postpartum birth control use†	81.5	79.7 - 83.3	68,500	77.0	73.9 - 80.1	28,800	85.1	83.1 - 87.1	39,700
Infant Sleep and Breastfeeding									
Placed infant on back to sleep	84.0	82.3 - 85.8	70,900	84.6	81.9 - 87.3	31,700	83.6	81.3 - 85.8	39,200
Infant always or often shared bed	35.4	33.3 - 37.5	29,900	33.3	30.1 - 36.5	12,500	37.1	34.3 - 39.8	17,400
Intended to breastfeed, before birth	94.3	93.4 - 95.3	79,700	95.3	93.9 - 96.7	35,800	93.6	92.3 - 94.9	43,900
Intended to breastfeed exclusively, before birth	69.4	67.4 - 71.5	58,700	78.0	75.2 - 80.8	29,300	62.6	59.8 - 65.4	29,400
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	89.5	88.2 - 90.8	75,300	90.7	88.8 - 92.6	33,900	88.5	86.7 - 90.3	41,400
Exclusive breastfeeding, 1 month after delivery	50.6	48.4 - 52.9	41,800	48.8	45.2 - 52.3	17,900	52.1	49.2 - 55.0	23,900
Any breastfeeding, 3 months after delivery	77.2	75.2 - 79.2	52,500	78.8	75.8 - 81.9	23,800	75.9	73.2 - 78.6	28,700
Exclusive breastfeeding, 3 months after delivery	35.9	33.5 - 38.4	24,100	35.0	31.1 - 39.0	10,400	36.7	33.5 - 39.8	13,600



MIHA Data Snapshot, San Francisco Bay Area by Total Live Births, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco Bay Area				First Live Birth				Second Live Birth or More			
	%	95% CI		N	%	95% CI		N	%	95% CI		N
Service Utilization and Health Insurance Coverage												
Had a usual source of pre-pregnancy care	77.3	75.5 - 79.0		66,200	73.6	70.8 - 76.5		28,200	80.2	78.0 - 82.5		38,000
Initiated prenatal care in 1st trimester	90.9	89.8 - 92.1		76,800	92.1	90.3 - 93.8		34,900	90.0	88.4 - 91.6		41,800
Mom or infant needed but couldn't afford care postpartum	9.7	8.5 - 11.0		8,100	9.3	7.2 - 11.4		3,400	10.1	8.6 - 11.6		4,700
Participated in WIC during pregnancy†	35.6	34.2 - 37.1		29,500	28.9	26.4 - 31.3		10,600	41.0	38.7 - 43.4		18,900
Received CalFresh (food stamps) during pregnancy	14.8	13.6 - 15.9		12,500	8.4	7.1 - 9.8		3,200	19.8	18.0 - 21.6		9,300
Pre-pregnancy insurance												
Medi-Cal	18.9	17.6 - 20.2		16,100	10.7	9.0 - 12.5		4,100	25.5	23.5 - 27.5		12,100
Uninsured	13.7	12.5 - 14.9		11,700	14.6	12.7 - 16.4		5,600	13.0	11.3 - 14.7		6,200
Private	64.2	62.6 - 65.8		54,900	71.9	69.3 - 74.4		27,400	58.0	55.6 - 60.4		27,500
Prenatal insurance												
Medi-Cal	34.3	32.8 - 35.7		29,200	26.6	24.2 - 29.0		10,100	40.4	38.1 - 42.7		19,100
Uninsured	1.7	1.2 - 2.3		1,500	1.6	0.9 - 2.3		600	1.8	1.0 - 2.6		900
Private	61.7	60.1 - 63.3		52,700	69.4	66.8 - 72.0		26,400	55.4	53.0 - 57.9		26,200
Maternal postpartum insurance												
Medi-Cal	27.0	25.6 - 28.4		23,000	22.2	19.9 - 24.5		8,400	30.8	28.7 - 32.9		14,500
Uninsured	7.7	6.7 - 8.6		6,500	6.2	4.9 - 7.5		2,300	8.9	7.5 - 10.3		4,200
Private	62.6	61.0 - 64.1		53,300	68.9	66.3 - 71.6		26,200	57.4	55.0 - 59.8		27,100
Infant health insurance												
Medi-Cal	36.0	34.5 - 37.5		30,300	30.1	27.7 - 32.6		11,300	40.7	38.4 - 43.0		19,000
Uninsured	2.3	1.7 - 3.0		2,000	2.2	1.3 - 3.0		800	2.5	1.6 - 3.4		1,200
Private	59.4	57.8 - 60.9		50,000	65.6	62.9 - 68.3		24,600	54.4	51.9 - 56.8		25,400
Maternal Demographics												
Age												
15-19	2.9	2.4 - 3.5		2,500	5.9	4.7 - 7.0		2,200	0.5 *	0.2 - 0.8		200
20-34	69.7	67.6 - 71.7		59,700	75.9	73.0 - 78.8		29,000	64.6	61.8 - 67.4		30,700
35+	27.4	25.4 - 29.4		23,500	18.2	15.4 - 20.9		7,000	34.8	32.0 - 37.7		16,500
Did not complete high school (or GED)	10.8	9.7 - 11.8		9,100	6.6	5.3 - 8.0		2,500	14.2	12.6 - 15.8		6,600
Unmarried	29.5	27.9 - 31.1		25,100	30.6	28.0 - 33.3		11,600	28.6	26.4 - 30.7		13,500
Race/Ethnicity												
White	32.4	30.4 - 34.5		26,700	34.4	31.1 - 37.6		12,500	30.9	28.2 - 33.6		14,200
Hispanic	31.6	30.0 - 33.3		26,000	24.6	22.0 - 27.1		8,900	37.3	34.8 - 39.7		17,100
Asian/Pacific Islander	29.6	27.4 - 31.8		24,300	35.0	31.5 - 38.6		12,700	25.3	22.5 - 28.1		11,600
Black	6.0	5.7 - 6.4		4,900	5.8	4.9 - 6.6		2,100	6.2	5.6 - 6.9		2,900
Born outside the U.S.	46.1	43.9 - 48.3		39,500	43.2	39.7 - 46.6		16,500	48.5	45.6 - 51.3		23,000
Speaks non-English language at home	36.2	34.1 - 38.3		30,500	33.1	29.7 - 36.5		12,400	38.7	35.9 - 41.5		18,000
Lives in a high poverty neighborhood	18.0	16.4 - 19.5		15,000	16.0	13.5 - 18.6		6,000	19.5	17.6 - 21.5		9,100
Income as a percent of the Federal Poverty Guideline												
0-100%	25.5	24.1 - 26.9		20,400	20.2	18.0 - 22.3		7,200	29.8	27.6 - 32.0		13,200
101-200%	15.8	14.4 - 17.2		12,600	13.6	11.5 - 15.7		4,900	17.5	15.6 - 19.4		7,800
> 200%	58.7	57.1 - 60.4		47,100	66.2	63.4 - 69.0		23,700	52.7	50.2 - 55.3		23,400

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

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

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

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2015 were combined, resulting in a statewide sample size of 20,762. The sample size of San Francisco Bay Area was 5,253. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (i.e., numerator of the percent rounded to the nearest hundred) are weighted to represent all women with a live birth who resided in California and the region in 2013-2015. Population estimate (N) is a three-year average. See the Technical Notes for information on weighting, comparability to prior years and technical definitions. Visit the MIHA website at www.cdph.ca.gov/MIHA.

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