



MIHA Data Snapshot, San Francisco County by Education, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County			<High School			High School Graduate or GED			Some College			College Graduate		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		8,800	8.9	6.7 - 11.0	800	8.4	6.1 - 10.7	700	16.5	12.9 - 20.1	1,400	66.2	62.3 - 70.1	5,800
Health Status before Pregnancy															
In good to excellent health	95.3	93.6 - 97.0	8,400	87.5*	78.7 - 96.3	700	80.8	69.8 - 91.8	600	93.9*	89.7 - 98.0	1,400	--		
Chronic conditions															
Diabetes†	2.4	1.2 - 3.6	200	5.6*	0.2 - 11.1	<100	6.9*	0.9 - 12.9	<100	--			1.7*	0.3 - 3.1	<100
Hypertension†	2.0	0.9 - 3.1	200	--			--			4.3*	0.3 - 8.4	<100	--		
Asthma†	6.9	4.7 - 9.2	600	6.3*	0.7 - 12.0	<100	14.9*	4.2 - 25.6	100	4.3*	1.6 - 7.1	<100	6.4	3.5 - 9.4	400
Nutrition and Weight															
Daily folic acid use, month before pregnancy	43.6	38.6 - 48.6	3,800	22.6	11.6 - 33.7	200	29.9	17.4 - 42.5	200	25.6	16.2 - 34.9	400	52.9	46.3 - 59.4	3,000
Overweight before pregnancy	15.4	11.7 - 19.1	1,300	29.0	15.1 - 42.9	200	21.8	10.1 - 33.4	100	24.2	12.7 - 35.7	300	11.3	7.1 - 15.6	600
Obese before pregnancy	9.1	6.5 - 11.7	800	28.2	13.8 - 42.6	200	17.1*	6.8 - 27.4	100	17.0	8.1 - 25.8	200	4.4	2.1 - 6.8	300
Inadequate weight gain during pregnancy	16.2	12.2 - 20.2	1,200	32.8	16.3 - 49.3	200	22.2*	7.5 - 36.8	100	17.9	7.8 - 28.1	200	13.8	9.2 - 18.5	700
Excessive weight gain during pregnancy	37.5	32.3 - 42.7	2,900	30.0	15.1 - 44.9	100	30.0	14.4 - 45.5	200	37.7	25.7 - 49.8	500	38.6	31.9 - 45.2	2,000
Food insecurity during pregnancy	9.2	6.9 - 11.5	800	36.6	23.8 - 49.3	300	18.8	8.5 - 29.1	100	13.0	6.0 - 19.9	200	3.3*	1.2 - 5.3	200
Intimate Partner Violence (IPV) and Depressive Symptoms															
Physical or psychological IPV during pregnancy	5.4	3.4 - 7.4	500	17.4*	6.7 - 28.1	100	8.5*	0.2 - 16.8	<100	12.0*	4.5 - 19.5	200	1.8*	0.4 - 3.3	100
Prenatal depressive symptoms	14.4	10.8 - 17.9	1,300	37.6	24.7 - 50.4	300	17.2*	6.0 - 28.3	100	21.2	10.5 - 31.9	300	9.0	5.0 - 13.0	500
Postpartum depressive symptoms	12.0	8.6 - 15.3	1,000	20.9	10.2 - 31.5	200	17.6	7.4 - 27.7	100	19.1	8.2 - 30.0	300	8.1	4.4 - 11.8	500
Hardships and Support during Pregnancy															
Experienced two or more hardships during childhood	17.1	13.5 - 20.6	1,500	41.3	28.1 - 54.5	300	21.5	11.0 - 32.0	200	30.5	19.2 - 41.8	400	9.6	5.8 - 13.4	500
Homeless or did not have a regular place to sleep	2.8	1.6 - 4.0	200	9.5*	2.0 - 17.0	<100	7.0*	1.0 - 13.1	<100	5.3*	1.4 - 9.2	<100	--		
Moved due to problems paying rent or mortgage	3.1	1.7 - 4.5	300	10.5*	3.0 - 17.9	<100	--			6.3*	1.1 - 11.6	<100	1.2*	0.0 - 2.3	<100
Woman or partner lost job	11.7	8.2 - 15.2	1,000	21.0	9.7 - 32.3	200	16.4*	6.4 - 26.4	100	15.8*	6.1 - 25.4	200	8.7	4.5 - 12.9	500
Woman or partner had pay or hours cut back	8.2	5.2 - 11.1	700	8.6*	0.3 - 16.8	<100	11.2*	1.7 - 20.7	<100	16.5	8.3 - 24.6	200	5.8*	2.1 - 9.5	300
Became separated or divorced	3.1	1.9 - 4.3	300	13.6*	4.6 - 22.7	100	5.5*	1.2 - 9.7	<100	5.4*	1.4 - 9.4	<100	0.8*	0.1 - 1.4	<100
Had no practical or emotional support	2.3	1.0 - 3.6	200	--			--			8.3*	1.6 - 15.0	100	0.8*	0.1 - 1.6	<100
Substance Use															
Any smoking, 3 months before pregnancy	8.9	6.3 - 11.5	800	10.1*	2.9 - 17.4	<100	17.0*	6.1 - 27.9	100	8.8	3.7 - 13.8	100	7.8	4.5 - 11.2	400
Any smoking, 3rd trimester†	1.9*	0.7 - 3.1	200	4.5*	0.3 - 8.6	<100	3.8*	0.6 - 6.9	<100	--			--		
Any smoking, postpartum	3.6	2.0 - 5.1	300	9.5*	2.3 - 16.6	<100	8.1*	1.2 - 15.0	<100	5.1*	1.3 - 8.9	<100	1.8*	0.1 - 3.5	100
Any binge drinking, 3 months before pregnancy	18.1	14.1 - 22.0	1,600	9.3*	2.2 - 16.4	<100	14.6*	3.9 - 25.4	100	11.1*	3.6 - 18.7	200	21.5	16.0 - 27.0	1,200
Any alcohol use, 3rd trimester†	28.1	23.4 - 32.9	2,400	--			7.5*	0.2 - 14.9	<100	--			39.3	32.7 - 45.9	2,200
Pregnancy Intention and Family Planning															
Mistimed or unwanted pregnancy	18.1	14.5 - 21.7	1,600	27.3	15.6 - 39.1	200	26.7	14.1 - 39.3	200	30.7	19.9 - 41.4	400	12.9	8.7 - 17.1	700
Unsure of pregnancy intentions	11.2	8.1 - 14.3	1,000	21.0	10.5 - 31.6	200	24.3	11.8 - 36.8	200	19.5	10.2 - 28.8	300	5.6*	2.2 - 8.9	300
Postpartum birth control use†	74.2	69.6 - 78.7	6,400	79.8	68.5 - 91.1	600	85.7*	75.3 - 96.0	600	75.9	66.1 - 85.8	1,100	71.4	65.3 - 77.5	4,100
Infant Sleep and Breastfeeding															
Placed infant on back to sleep	89.5	86.6 - 92.4	7,800	82.7	73.0 - 92.4	600	86.9*	79.3 - 94.6	600	85.6	78.2 - 93.0	1,200	91.6	87.8 - 95.3	5,300
Infant always or often shared bed	34.5	29.7 - 39.3	3,000	43.0	29.7 - 56.3	300	37.4	22.7 - 52.1	300	46.2	34.1 - 58.4	600	29.8	23.7 - 36.0	1,700
Intended to breastfeed, before birth	93.7	91.4 - 96.0	8,200	90.0*	82.1 - 97.9	700	78.4	65.8 - 91.0	600	95.5*	92.1 - 98.9	1,300	95.6*	92.9 - 98.3	5,500
Intended to breastfeed exclusively, before birth	69.1	64.6 - 73.7	6,000	49.0	35.6 - 62.3	400	38.4	24.7 - 52.2	300	60.7	48.5 - 72.9	800	78.5	73.2 - 83.8	4,500
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	92.8	90.5 - 95.0	8,000	79.3	68.3 - 90.3	600	84.7	76.4 - 93.0	600	87.0*	78.6 - 95.3	1,200	96.8*	94.8 - 98.9	5,500
Exclusive breastfeeding, 1 month after delivery	45.1	40.0 - 50.3	3,800	25.2	13.8 - 36.7	200	45.6	30.8 - 60.4	300	31.7	21.3 - 42.0	400	51.0	44.3 - 57.7	2,800
Any breastfeeding, 3 months after delivery	82.4	78.2 - 86.5	5,500	57.0	42.3 - 71.7	400	58.9	43.0 - 74.8	400	73.3	61.0 - 85.6	800	92.0	87.9 - 96.1	3,900
Exclusive breastfeeding, 3 months after delivery	35.6	30.0 - 41.1	2,300	15.8*	5.4 - 26.2	100	21.3*	8.5 - 34.0	100	22.0	11.9 - 32.0	200	44.2	36.5 - 51.9	1,900



MIHA Data Snapshot, San Francisco County by Education, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County			<High School			High School Graduate or GED			Some College			College Graduate		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Service Utilization and Health Insurance Coverage															
Had a usual source of pre-pregnancy care	75.4	70.9 - 79.8	6,600	65.7	53.2 - 78.3	500	69.9	56.0 - 83.8	500	69.4	58.5 - 80.2	1,000	78.7	73.1 - 84.3	4,500
Initiated prenatal care in 1st trimester	94.5	92.6 - 96.4	8,200	80.5*	68.8 - 92.3	600	--	--	--	87.6	81.1 - 94.1	1,300	97.8*	96.2 - 99.4	5,600
Mom or infant needed but couldn't afford care postpartum	7.0	4.8 - 9.1	600	8.2*	2.4 - 14.1	<100	14.3*	4.0 - 24.5	100	12.1	5.5 - 18.7	200	4.4	2.0 - 6.8	200
Participated in WIC during pregnancy†	31.3	27.6 - 35.1	2,700	87.4*	78.8 - 95.9	700	68.3	54.2 - 82.5	500	63.1	51.2 - 75.0	900	10.4	6.2 - 14.5	600
Received CalFresh (food stamps) during pregnancy	10.3	8.3 - 12.2	900	35.0	22.6 - 47.4	300	27.1	16.1 - 38.2	200	21.0	13.7 - 28.3	300	2.1	0.9 - 3.2	100
Pre-pregnancy insurance															
Medi-Cal	14.8	12.2 - 17.5	1,300	44.1	31.1 - 57.2	300	42.7	28.7 - 56.7	300	25.9	16.5 - 35.2	400	3.9	2.0 - 5.9	200
Uninsured	12.6	9.4 - 15.9	1,100	32.5	19.8 - 45.2	300	28.2	14.6 - 41.8	200	21.3	12.1 - 30.5	300	6.0*	2.4 - 9.7	300
Private	69.8	66.2 - 73.4	6,100	13.5*	4.2 - 22.8	100	26.8	12.6 - 41.1	200	51.0	39.3 - 62.8	700	88.1	83.8 - 92.4	5,100
Prenatal insurance															
Medi-Cal	31.2	27.7 - 34.8	2,700	84.4*	74.5 - 94.4	600	78.8*	66.2 - 91.4	600	59.0	47.1 - 70.9	800	10.1	6.3 - 13.9	600
Uninsured	1.7*	0.3 - 3.0	100	--	--	--	--	--	--	--	--	--	--	--	--
Private	65.0	61.4 - 68.6	5,700	--	--	--	18.2*	6.0 - 30.5	100	35.8	24.1 - 47.4	500	87.3	83.1 - 91.5	5,000
Maternal postpartum insurance															
Medi-Cal	24.9	21.3 - 28.5	2,200	64.1	51.5 - 76.8	500	57.1	42.3 - 72.0	400	48.8	36.9 - 60.7	700	8.5	4.8 - 12.2	500
Uninsured	5.7	3.5 - 8.0	500	15.1*	5.7 - 24.5	100	10.5*	3.1 - 17.8	<100	10.7*	3.0 - 18.5	200	2.7*	0.3 - 5.2	200
Private	65.9	62.1 - 69.6	5,800	--	--	--	26.8	11.8 - 41.8	200	38.3	26.7 - 50.0	500	86.6	82.1 - 91.2	5,000
Infant health insurance															
Medi-Cal	33.2	29.6 - 36.9	2,900	--	--	--	84.1*	72.6 - 95.7	600	57.3	45.1 - 69.4	800	12.3	8.1 - 16.6	700
Uninsured	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Private	64.4	60.7 - 68.0	5,600	--	--	--	12.0*	0.8 - 23.3	<100	36.4	24.4 - 48.3	500	86.1	81.8 - 90.5	5,000
Maternal Demographics															
Unmarried	25.2	21.2 - 29.1	2,200	59.0	45.8 - 72.2	500	52.6	37.8 - 67.3	400	44.2	32.4 - 56.1	600	12.3	8.0 - 16.7	700
Race/Ethnicity															
White	41.7	37.0 - 46.5	3,600	--	--	--	--	--	--	21.3	11.1 - 31.6	300	56.7	50.1 - 63.2	3,200
Hispanic	18.8	15.2 - 22.3	1,600	67.0	54.9 - 79.1	500	44.5	30.2 - 58.8	300	26.9	15.7 - 38.0	400	7.2	3.6 - 10.7	400
Asian/Pacific Islander	33.8	28.9 - 38.7	3,000	19.7	8.3 - 31.2	200	27.2	12.7 - 41.8	200	37.2	25.3 - 49.1	500	34.9	28.6 - 41.2	2,000
Black	5.4	4.7 - 6.2	500	12.0	5.8 - 18.2	<100	13.8	7.6 - 20.1	100	14.2	9.4 - 19.1	200	1.2	0.6 - 1.8	<100
Born outside the U.S.	45.5	40.7 - 50.4	4,000	78.5	68.9 - 88.2	600	67.6	54.9 - 80.3	500	47.7	35.6 - 59.8	700	37.3	30.9 - 43.7	2,100
Speaks non-English language at home	31.0	26.7 - 35.3	2,700	76.7	66.7 - 86.7	600	54.8	40.6 - 69.1	400	43.3	31.0 - 55.7	600	18.0	13.0 - 23.0	1,000
Lives in a high poverty neighborhood	12.0	9.0 - 15.0	1,000	24.8	13.4 - 36.2	200	29.8	17.2 - 42.5	200	24.8	13.9 - 35.6	300	5.0	2.2 - 7.8	300
Income as a percent of the Federal Poverty Guideline															
0-100%	20.1	16.9 - 23.3	1,700	71.5	57.8 - 85.2	500	59.9	43.9 - 75.9	400	31.7	22.1 - 41.4	400	6.5	2.9 - 10.1	400
101-200%	12.1	9.1 - 15.1	1,000	25.6	12.4 - 38.8	200	18.4*	7.5 - 29.2	100	31.6	20.0 - 43.2	400	5.0	2.3 - 7.7	300
> 200%	67.8	64.1 - 71.5	5,600	--	--	--	21.7*	5.7 - 37.8	100	36.7	23.9 - 49.5	500	88.5	84.3 - 92.8	5,000

-- 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 County was 594. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (i.e., numerator of the percent rounded to the nearest hundred) are weighted to represent all women with a live birth who resided in California and the county in 2013-2015. Population estimate (N) is a three-year average. See the Technical Notes for information on weighting, comparability to prior years and technical definitions. Visit the MIHA website at www.cdph.ca.gov/MIHA.

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

Geographical Area Snapshot is not provided due to suppression criteria.

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MIHA Data Snapshot, San Francisco County by Income, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County			0-100% Federal Poverty Guideline			101-200% Federal Poverty Guideline			> 200% Federal Poverty Guideline		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		8,800	20.1	16.9 - 23.3	1,700	12.1	9.1 - 15.1	1,000	67.8	64.1 - 71.5	5,600
Health Status before Pregnancy												
In good to excellent health	95.3	93.6 - 97.0	8,400	85.6	79.4 - 91.7	1,400	93.1*	86.7 - 99.5	900	--		
Chronic conditions												
Diabetes†	2.4	1.2 - 3.6	200	4.0*	1.2 - 6.9	<100	6.9*	1.1 - 12.7	<100	--		
Hypertension†	2.0	0.9 - 3.1	200	4.5*	0.9 - 8.1	<100	--			--		
Asthma†	6.9	4.7 - 9.2	600	10.5	5.3 - 15.7	200	4.4*	0.6 - 8.2	<100	6.5	3.5 - 9.4	400
Nutrition and Weight												
Daily folic acid use, month before pregnancy	43.6	38.6 - 48.6	3,800	31.5	21.8 - 41.3	500	33.8	21.1 - 46.5	300	50.0	43.3 - 56.7	2,800
Overweight before pregnancy	15.4	11.7 - 19.1	1,300	26.3	17.6 - 34.9	400	25.1	11.9 - 38.3	200	10.7	6.2 - 15.2	600
Obese before pregnancy	9.1	6.5 - 11.7	800	15.2	8.9 - 21.4	200	17.1*	6.9 - 27.4	200	6.0	3.0 - 8.9	300
Inadequate weight gain during pregnancy	16.2	12.2 - 20.2	1,200	25.1	15.0 - 35.3	300	14.4*	4.7 - 24.1	100	14.2	9.3 - 19.1	700
Excessive weight gain during pregnancy	37.5	32.3 - 42.7	2,900	35.7	25.6 - 45.8	500	44.1	29.5 - 58.7	400	38.1	31.3 - 44.8	2,000
Food insecurity during pregnancy	9.2	6.9 - 11.5	800	29.5	21.3 - 37.6	500	25.2	12.9 - 37.4	300	--		
Intimate Partner Violence (IPV) and Depressive Symptoms												
Physical or psychological IPV during pregnancy	5.4	3.4 - 7.4	500	14.4	7.4 - 21.4	200	19.1	8.4 - 29.9	200	--		
Prenatal depressive symptoms	14.4	10.8 - 17.9	1,300	23.4	15.9 - 31.0	400	30.4	17.3 - 43.5	300	8.4	4.2 - 12.6	500
Postpartum depressive symptoms	12.0	8.6 - 15.3	1,000	17.3	11.0 - 23.6	300	21.5	9.9 - 33.0	200	7.8	3.7 - 11.8	400
Hardships and Support during Pregnancy												
Experienced two or more hardships during childhood	17.1	13.5 - 20.6	1,500	30.9	22.9 - 39.0	500	18.5	8.7 - 28.3	200	12.9	8.3 - 17.6	700
Homeless or did not have a regular place to sleep	2.8	1.6 - 4.0	200	10.0	5.0 - 14.9	200	--			--		
Moved due to problems paying rent or mortgage	3.1	1.7 - 4.5	300	8.2	4.2 - 12.1	100	--			--		
Woman or partner lost job	11.7	8.2 - 15.2	1,000	22.5	12.7 - 32.3	400	13.1*	4.5 - 21.6	100	7.4	3.5 - 11.2	400
Woman or partner had pay or hours cut back	8.2	5.2 - 11.1	700	18.1	8.3 - 27.9	300	16.7*	6.1 - 27.2	200	4.0*	1.3 - 6.7	200
Became separated or divorced	3.1	1.9 - 4.3	300	9.4	4.9 - 14.0	200	--			--		
Had no practical or emotional support	2.3	1.0 - 3.6	200	5.9*	1.9 - 10.0	<100	--			--		
Substance Use												
Any smoking, 3 months before pregnancy	8.9	6.3 - 11.5	800	16.3	9.1 - 23.5	300	--			7.7	4.4 - 10.9	400
Any smoking, 3rd trimester†	1.9*	0.7 - 3.1	200	4.6	1.9 - 7.3	<100	--			--		
Any smoking, postpartum	3.6	2.0 - 5.1	300	9.8	5.2 - 14.5	200	--			1.9*	0.1 - 3.7	100
Any binge drinking, 3 months before pregnancy	18.1	14.1 - 22.0	1,600	7.6	3.9 - 11.2	100	10.7*	1.6 - 19.9	100	23.3	17.6 - 29.1	1,300
Any alcohol use, 3rd trimester†	28.1	23.4 - 32.9	2,400	--			--			38.1	31.5 - 44.8	2,100
Pregnancy Intention and Family Planning												
Mistimed or unwanted pregnancy	18.1	14.5 - 21.7	1,600	36.7	27.5 - 45.9	600	24.4	12.4 - 36.4	200	11.6	7.5 - 15.7	700
Unsure of pregnancy intentions	11.2	8.1 - 14.3	1,000	20.1	12.7 - 27.5	300	16.4	6.8 - 26.0	200	6.9	3.1 - 10.6	400
Postpartum birth control use†	74.2	69.6 - 78.7	6,400	78.3	68.6 - 88.0	1,300	78.8	67.2 - 90.4	800	71.9	65.9 - 77.9	4,000
Infant Sleep and Breastfeeding												
Placed infant on back to sleep	89.5	86.6 - 92.4	7,800	84.8	78.8 - 90.8	1,400	85.0	76.4 - 93.5	800	92.4	88.6 - 96.1	5,200
Infant always or often shared bed	34.5	29.7 - 39.3	3,000	44.7	35.0 - 54.4	700	45.5	31.5 - 59.5	400	29.8	23.5 - 36.1	1,700
Intended to breastfeed, before birth	93.7	91.4 - 96.0	8,200	88.0	81.5 - 94.6	1,400	95.9*	92.2 - 99.5	900	96.3	94.2 - 98.4	5,400
Intended to breastfeed exclusively, before birth	69.1	64.6 - 73.7	6,000	56.2	46.6 - 65.8	900	50.3	36.3 - 64.3	500	78.4	72.7 - 84.0	4,400
Breastfeeding practices												
Any breastfeeding, 1 month after delivery	92.8	90.5 - 95.0	8,000	84.7	78.5 - 91.0	1,400	85.8*	77.4 - 94.2	800	96.9*	94.6 - 99.2	5,400
Exclusive breastfeeding, 1 month after delivery	45.1	40.0 - 50.3	3,800	39.4	28.8 - 50.0	600	30.4	18.0 - 42.8	300	49.9	43.2 - 56.7	2,700
Any breastfeeding, 3 months after delivery	82.4	78.2 - 86.5	5,500	67.3	57.6 - 77.1	900	56.7	40.9 - 72.4	400	93.2	89.3 - 97.2	3,900
Exclusive breastfeeding, 3 months after delivery	35.6	30.0 - 41.1	2,300	16.6	8.7 - 24.5	200	16.3	6.9 - 25.8	100	45.7	38.0 - 53.4	1,900



MIHA Data Snapshot, San Francisco County by Income, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County			0-100% Federal Poverty Guideline			101-200% Federal Poverty Guideline			> 200% Federal Poverty Guideline		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Service Utilization and Health Insurance Coverage												
Had a usual source of pre-pregnancy care	75.4	70.9 - 79.8	6,600	73.7	65.8 - 81.6	1,200	64.8	51.5 - 78.0	700	78.9	73.1 - 84.7	4,400
Initiated prenatal care in 1st trimester	94.5	92.6 - 96.4	8,200	89.0	83.6 - 94.5	1,400	89.8*	81.6 - 97.9	900	97.8*	96.1 - 99.5	5,500
Mom or infant needed but couldn't afford care postpartum	7.0	4.8 - 9.1	600	12.5	7.7 - 17.3	200	19.1	8.1 - 30.1	200	3.0*	0.8 - 5.2	200
Participated in WIC during pregnancy†	31.3	27.6 - 35.1	2,700	84.8	77.6 - 92.0	1,400	78.6	67.5 - 89.6	800	4.9*	1.6 - 8.3	300
Received CalFresh (food stamps) during pregnancy	10.3	8.3 - 12.2	900	38.3	29.6 - 47.1	600	16.9	8.7 - 25.1	200	--		
Pre-pregnancy insurance												
Medi-Cal	14.8	12.2 - 17.5	1,300	47.9	38.2 - 57.7	800	28.8	16.4 - 41.2	300	--		
Uninsured	12.6	9.4 - 15.9	1,100	31.8	21.6 - 42.0	500	33.0	19.7 - 46.4	300	2.0*	0.3 - 3.7	100
Private	69.8	66.2 - 73.4	6,100	12.6	5.9 - 19.2	200	32.4	19.5 - 45.2	300	96.8*	94.4 - 99.2	5,400
Prenatal insurance												
Medi-Cal	31.2	27.7 - 34.8	2,700	88.2	81.4 - 95.0	1,500	74.0	61.6 - 86.3	700	4.9*	1.8 - 8.0	300
Uninsured	1.7*	0.3 - 3.0	100	--			--			--		
Private	65.0	61.4 - 68.6	5,700	4.9*	1.4 - 8.5	<100	15.8*	5.9 - 25.6	200	94.1	90.6 - 97.5	5,300
Maternal postpartum insurance												
Medi-Cal	24.9	21.3 - 28.5	2,200	77.3	70.0 - 84.5	1,300	46.8	32.8 - 60.7	500	3.9*	1.0 - 6.7	200
Uninsured	5.7	3.5 - 8.0	500	9.4	4.8 - 14.0	200	27.5	13.7 - 41.3	300	--		
Private	65.9	62.1 - 69.6	5,800	5.6*	1.9 - 9.2	<100	22.0	10.9 - 33.1	200	94.4*	90.9 - 97.9	5,300
Infant health insurance												
Medi-Cal	33.2	29.6 - 36.9	2,900	94.2*	90.8 - 97.7	1,500	79.0	66.8 - 91.2	800	5.8	2.5 - 9.2	300
Uninsured	--			--			--			--		
Private	64.4	60.7 - 68.0	5,600	3.4*	0.5 - 6.2	<100	13.2*	3.5 - 22.8	100	92.6	88.9 - 96.4	5,200
Maternal Demographics												
Did not complete high school (or GED)	8.9	6.7 - 11.0	800	27.6	19.3 - 36.0	500	16.4	7.2 - 25.7	200	--		
Unmarried	25.2	21.2 - 29.1	2,200	56.2	46.1 - 66.3	900	32.2	20.1 - 44.3	300	13.5	8.5 - 18.4	800
Race/Ethnicity												
White	41.7	37.0 - 46.5	3,600	12.5*	2.1 - 22.9	200	17.7	7.4 - 28.0	200	56.6	49.9 - 63.3	3,200
Hispanic	18.8	15.2 - 22.3	1,600	42.5	33.3 - 51.7	700	21.9	11.2 - 32.7	200	8.7	4.4 - 13.1	500
Asian/Pacific Islander	33.8	28.9 - 38.7	3,000	26.6	18.3 - 35.0	400	52.2	38.5 - 65.8	500	33.2	26.8 - 39.6	1,900
Black	5.4	4.7 - 6.2	500	17.8	13.3 - 22.3	300	8.2	3.9 - 12.5	<100	1.2	0.6 - 1.9	<100
Born outside the U.S.	45.5	40.7 - 50.4	4,000	61.9	52.5 - 71.3	1,000	71.2	59.6 - 82.7	700	33.5	27.0 - 40.0	1,900
Speaks non-English language at home	31.0	26.7 - 35.3	2,700	56.1	46.5 - 65.8	900	66.8	54.6 - 79.1	700	15.0	9.9 - 20.1	800
Lives in a high poverty neighborhood	12.0	9.0 - 15.0	1,000	29.5	21.0 - 38.0	500	21.5	10.1 - 32.9	200	4.9*	1.7 - 8.1	300

-- 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 County was 594.

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

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

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County			15-19 Years			20-34 Years			35 Years or Older		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		8,800	1.1*	0.5 - 1.8	100	60.6	55.7 - 65.6	5,300	38.2	33.3 - 43.2	3,400
Health Status before Pregnancy												
In good to excellent health	95.3	93.6 - 97.0	8,400	--			93.0	90.3 - 95.8	4,900	--		
Chronic conditions												
Diabetes†	2.4	1.2 - 3.6	200	--			2.5	1.1 - 4.0	100	2.3*	0.2 - 4.5	<100
Hypertension†	2.0	0.9 - 3.1	200	--			1.8*	0.5 - 3.1	<100	2.4*	0.3 - 4.5	<100
Asthma†	6.9	4.7 - 9.2	600	--			6.7	4.3 - 9.2	400	6.3*	2.1 - 10.4	200
Nutrition and Weight												
Daily folic acid use, month before pregnancy	43.6	38.6 - 48.6	3,800	--			44.0	37.8 - 50.2	2,300	44.0	35.3 - 52.7	1,500
Overweight before pregnancy	15.4	11.7 - 19.1	1,300	35.9*	3.1 - 68.6	<100	15.1	10.4 - 19.7	800	15.2	8.8 - 21.7	500
Obese before pregnancy	9.1	6.5 - 11.7	800	--			10.1	6.8 - 13.4	500	7.8	3.5 - 12.2	300
Inadequate weight gain during pregnancy	16.2	12.2 - 20.2	1,200	--			17.6	12.5 - 22.8	800	14.3	7.9 - 20.6	400
Excessive weight gain during pregnancy	37.5	32.3 - 42.7	2,900	50.8*	20.2 - 81.5	<100	36.8	30.4 - 43.1	1,700	38.3	29.2 - 47.4	1,200
Food insecurity during pregnancy	9.2	6.9 - 11.5	800	--			12.4	8.9 - 16.0	700	3.6*	1.3 - 5.9	100
Intimate Partner Violence (IPV) and Depressive Symptoms												
Physical or psychological IPV during pregnancy	5.4	3.4 - 7.4	500	--			7.2	4.2 - 10.2	400	2.0*	0.2 - 3.8	<100
Prenatal depressive symptoms	14.4	10.8 - 17.9	1,300	--			14.9	10.8 - 18.9	800	13.6	6.8 - 20.4	500
Postpartum depressive symptoms	12.0	8.6 - 15.3	1,000	--			13.6	9.5 - 17.7	700	9.5*	3.6 - 15.4	300
Hardships and Support during Pregnancy												
Experienced two or more hardships during childhood	17.1	13.5 - 20.6	1,500	55.3*	24.8 - 85.9	<100	17.9	13.6 - 22.2	900	14.6	8.1 - 21.1	500
Homeless or did not have a regular place to sleep	2.8	1.6 - 4.0	200	--			3.4	1.7 - 5.1	200	--		
Moved due to problems paying rent or mortgage	3.1	1.7 - 4.5	300	--			3.8	1.9 - 5.7	200	--		
Woman or partner lost job	11.7	8.2 - 15.2	1,000	--			10.4	6.5 - 14.4	500	13.3	6.8 - 19.9	400
Woman or partner had pay or hours cut back	8.2	5.2 - 11.1	700	--			8.7	4.7 - 12.6	500	7.4*	2.8 - 11.9	200
Became separated or divorced	3.1	1.9 - 4.3	300	--			4.0	2.2 - 5.8	200	--		
Had no practical or emotional support	2.3	1.0 - 3.6	200	--			3.4*	1.4 - 5.4	200	--		
Substance Use												
Any smoking, 3 months before pregnancy	8.9	6.3 - 11.5	800	--			10.1	6.6 - 13.6	500	7.0	3.1 - 10.9	200
Any smoking, 3rd trimester†	1.9*	0.7 - 3.1	200	--			1.8	0.8 - 2.8	<100	--		
Any smoking, postpartum	3.6	2.0 - 5.1	300	--			3.9	2.1 - 5.7	200	--		
Any binge drinking, 3 months before pregnancy	18.1	14.1 - 22.0	1,600	--			18.6	13.6 - 23.5	1,000	17.3	10.6 - 24.0	600
Any alcohol use, 3rd trimester†	28.1	23.4 - 32.9	2,400	--			23.7	17.8 - 29.6	1,300	36.1	27.6 - 44.6	1,200
Pregnancy Intention and Family Planning												
Mistimed or unwanted pregnancy	18.1	14.5 - 21.7	1,600	24.8*	4.8 - 44.7	<100	24.9	19.7 - 30.1	1,300	7.1	3.2 - 11.1	200
Unsure of pregnancy intentions	11.2	8.1 - 14.3	1,000	57.3*	30.3 - 84.4	<100	11.8	7.9 - 15.7	600	8.8	3.7 - 13.9	300
Postpartum birth control use†	74.2	69.6 - 78.7	6,400	--			80.2	75.1 - 85.3	4,200	64.4	56.0 - 72.8	2,100
Infant Sleep and Breastfeeding												
Placed infant on back to sleep	89.5	86.6 - 92.4	7,800	73.7*	49.9 - 97.4	<100	89.4	86.1 - 92.7	4,700	90.1	84.6 - 95.6	3,000
Infant always or often shared bed	34.5	29.7 - 39.3	3,000	23.1*	1.9 - 44.2	<100	36.7	30.6 - 42.9	1,900	31.4	23.5 - 39.3	1,100
Intended to breastfeed, before birth	93.7	91.4 - 96.0	8,200	--			94.3	91.7 - 96.8	5,000	92.9*	88.6 - 97.2	3,100
Intended to breastfeed exclusively, before birth	69.1	64.6 - 73.7	6,000	30.0*	6.1 - 54.0	<100	68.0	62.4 - 73.6	3,600	72.1	64.1 - 80.1	2,400
Breastfeeding practices												
Any breastfeeding, 1 month after delivery	92.8	90.5 - 95.0	8,000	68.4*	40.8 - 96.1	<100	92.4	89.8 - 95.0	4,800	94.0*	89.9 - 98.2	3,100
Exclusive breastfeeding, 1 month after delivery	45.1	40.0 - 50.3	3,800	46.6*	15.7 - 77.4	<100	44.5	38.1 - 50.9	2,300	46.0	37.3 - 54.8	1,500
Any breastfeeding, 3 months after delivery	82.4	78.2 - 86.5	5,500	--			78.4	72.7 - 84.1	3,100	89.9	84.1 - 95.7	2,400
Exclusive breastfeeding, 3 months after delivery	35.6	30.0 - 41.1	2,300	--			30.3	23.7 - 36.8	1,200	44.1	34.4 - 53.9	1,200



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

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County				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	75.4	70.9 - 79.8		6,600	57.4 *	26.3 - 88.4	<100	72.9	67.4 - 78.4	3,900	79.9	72.5 - 87.2	2,700
Initiated prenatal care in 1st trimester	94.5	92.6 - 96.4		8,200	--			93.1	90.4 - 95.7	4,900	96.8 *	94.2 - 99.4	3,200
Mom or infant needed but couldn't afford care postpartum	7.0	4.8 - 9.1		600	--			9.2	6.1 - 12.2	500	3.4 *	0.5 - 6.3	100
Participated in WIC during pregnancy†	31.3	27.6 - 35.1		2,700	74.5 *	50.1 - 98.8	<100	41.2	35.8 - 46.6	2,100	14.2	8.1 - 20.3	500
Received CalFresh (food stamps) during pregnancy	10.3	8.3 - 12.2		900	44.0 *	15.0 - 73.0	<100	12.9	10.1 - 15.7	700	5.0	2.3 - 7.8	200
Pre-pregnancy insurance													
Medi-Cal	14.8	12.2 - 17.5		1,300	73.0 *	46.9 - 99.1	<100	18.0	14.2 - 21.8	1,000	8.1	4.3 - 11.8	300
Uninsured	12.6	9.4 - 15.9		1,100	--			18.5	13.6 - 23.5	1,000	3.3 *	0.5 - 6.2	100
Private	69.8	66.2 - 73.4		6,100	--			59.8	54.4 - 65.2	3,200	87.1	82.3 - 91.9	2,900
Prenatal insurance													
Medi-Cal	31.2	27.7 - 34.8		2,700	--			39.6	34.3 - 45.0	2,100	16.1	10.3 - 21.8	500
Uninsured	1.7 *	0.3 - 3.0		100	--			2.8 *	0.6 - 5.0	100	--		
Private	65.0	61.4 - 68.6		5,700	--			54.2	48.8 - 59.6	2,900	83.9	78.2 - 89.7	2,800
Maternal postpartum insurance													
Medi-Cal	24.9	21.3 - 28.5		2,200	--			31.8	26.6 - 37.1	1,700	11.9	6.6 - 17.2	400
Uninsured	5.7	3.5 - 8.0		500	--			6.7	3.8 - 9.7	400	4.2 *	0.5 - 8.0	100
Private	65.9	62.1 - 69.6		5,800	--			57.6	52.3 - 63.0	3,100	80.9	74.3 - 87.4	2,700
Infant health insurance													
Medi-Cal	33.2	29.6 - 36.9		2,900	--			42.5	37.2 - 47.8	2,200	17.2	11.1 - 23.3	600
Uninsured	--				--			--			--		
Private	64.4	60.7 - 68.0		5,600	--			54.9	49.5 - 60.2	2,900	81.1	74.8 - 87.3	2,700
Maternal Demographics													
Did not complete high school (or GED)	8.9	6.7 - 11.0		800	29.5 *	2.3 - 56.7	<100	10.8	7.8 - 13.8	600	5.2 *	2.0 - 8.5	200
Unmarried	25.2	21.2 - 29.1		2,200	--			27.1	22.3 - 31.9	1,400	20.2	13.0 - 27.4	700
Race/Ethnicity													
White	41.7	37.0 - 46.5		3,600	--			36.5	30.6 - 42.4	1,900	51.5	42.7 - 60.2	1,700
Hispanic	18.8	15.2 - 22.3		1,600	37.4 *	6.4 - 68.4	<100	21.9	17.2 - 26.6	1,200	13.1	7.2 - 19.1	400
Asian/Pacific Islander	33.8	28.9 - 38.7		3,000	--			34.9	28.8 - 41.1	1,900	32.8	24.5 - 41.1	1,100
Black	5.4	4.7 - 6.2		500	53.1 *	22.9 - 83.3	<100	6.3	5.0 - 7.6	300	2.6	1.3 - 3.9	<100
Born outside the U.S.	45.5	40.7 - 50.4		4,000	15.9 *	2.8 - 29.0	<100	47.4	41.4 - 53.4	2,500	43.5	34.6 - 52.3	1,500
Speaks non-English language at home	31.0	26.7 - 35.3		2,700	14.1 *	1.9 - 26.4	<100	37.2	31.6 - 42.9	1,900	21.4	13.9 - 29.0	700
Lives in a high poverty neighborhood	12.0	9.0 - 15.0		1,000	54.2 *	23.8 - 84.6	<100	13.3	9.5 - 17.1	700	8.8 *	3.6 - 14.0	300

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

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County			0-4.9% of Residents below Poverty			5-9.9% of Residents below Poverty			10-19.9% of Residents below Poverty			≥ 20% of Residents below Poverty		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		8,800	8.8	6.0 - 11.6	800	40.6	35.6 - 45.6	3,500	38.6	33.7 - 43.5	3,300	12.0	9.0 - 15.0	1,000
Health Status before Pregnancy															
In good to excellent health	95.3	93.6 - 97.0	8,400	--			97.3 *	94.8 - 99.9	3,400	95.0	92.2 - 97.7	3,200	87.8 *	80.5 - 95.1	900
Chronic conditions															
Diabetes†	2.4	1.2 - 3.6	200	--			2.4 *	0.4 - 4.4	<100	2.3 *	0.5 - 4.0	<100	--		
Hypertension†	2.0	0.9 - 3.1	200	--			--			2.3 *	0.3 - 4.3	<100	--		
Asthma†	6.9	4.7 - 9.2	600	--			6.2	2.6 - 9.8	200	7.6	4.0 - 11.3	200	9.1 *	1.9 - 16.4	<100
Nutrition and Weight															
Daily folic acid use, month before pregnancy	43.6	38.6 - 48.6	3,800	39.0	23.3 - 54.7	300	49.7	41.4 - 58.1	1,700	45.7	37.8 - 53.7	1,500	24.7	13.4 - 36.0	300
Overweight before pregnancy	15.4	11.7 - 19.1	1,300	14.5 *	4.0 - 24.9	100	10.7	4.9 - 16.4	400	17.9	11.9 - 23.9	600	22.4 *	8.5 - 36.3	200
Obese before pregnancy	9.1	6.5 - 11.7	800	--			8.9	4.2 - 13.6	300	9.5	5.4 - 13.6	300	15.3	7.4 - 23.1	100
Inadequate weight gain during pregnancy	16.2	12.2 - 20.2	1,200	--			17.7	11.0 - 24.5	500	14.6	8.9 - 20.3	400	19.1 *	6.9 - 31.3	200
Excessive weight gain during pregnancy	37.5	32.3 - 42.7	2,900	34.5	18.3 - 50.6	200	33.9	25.5 - 42.2	1,000	41.9	33.6 - 50.3	1,200	36.6	21.9 - 51.3	300
Food insecurity during pregnancy	9.2	6.9 - 11.5	800	--			6.2	3.2 - 9.2	200	9.2	5.1 - 13.2	300	24.3	13.5 - 35.2	200
Intimate Partner Violence (IPV) and Depressive Symptoms															
Physical or psychological IPV during pregnancy	5.4	3.4 - 7.4	500	--			2.3 *	0.4 - 4.3	<100	5.0 *	1.7 - 8.3	200	17.4 *	6.9 - 27.8	200
Prenatal depressive symptoms	14.4	10.8 - 17.9	1,300	17.3 *	5.3 - 29.3	100	10.0	5.0 - 15.0	300	17.4	11.3 - 23.6	600	17.6 *	5.3 - 29.9	200
Postpartum depressive symptoms	12.0	8.6 - 15.3	1,000	17.1 *	2.7 - 31.5	100	8.4	3.6 - 13.2	300	12.3	7.5 - 17.1	400	19.1 *	6.0 - 32.3	200
Hardships and Support during Pregnancy															
Experienced two or more hardships during childhood	17.1	13.5 - 20.6	1,500	8.2 *	0.2 - 16.1	<100	12.9	7.3 - 18.4	400	16.6	11.5 - 21.6	500	35.8	22.1 - 49.4	400
Homeless or did not have a regular place to sleep	2.8	1.6 - 4.0	200	--			2.7 *	0.6 - 4.7	<100	2.7 *	0.7 - 4.7	<100	4.2 *	0.6 - 7.8	<100
Moved due to problems paying rent or mortgage	3.1	1.7 - 4.5	300	--			3.8 *	1.0 - 6.6	100	2.8 *	1.0 - 4.7	<100	--		
Woman or partner lost job	11.7	8.2 - 15.2	1,000	--			10.8	5.7 - 16.0	400	11.7	5.8 - 17.6	400	20.7 *	7.5 - 33.9	200
Woman or partner had pay or hours cut back	8.2	5.2 - 11.1	700	--			6.2 *	2.0 - 10.4	200	9.3 *	3.7 - 14.9	300	16.6 *	6.8 - 26.3	200
Became separated or divorced	3.1	1.9 - 4.3	300	--			2.3 *	0.6 - 4.1	<100	2.8 *	0.8 - 4.9	<100	6.4 *	1.9 - 10.9	<100
Had no practical or emotional support	2.3	1.0 - 3.6	200	--			--			4.0 *	1.1 - 7.0	100	--		
Substance Use															
Any smoking, 3 months before pregnancy	8.9	6.3 - 11.5	800	--			5.9	2.6 - 9.2	200	11.1	6.2 - 15.9	400	11.7 *	3.4 - 19.9	100
Any smoking, 3rd trimester†	1.9 *	0.7 - 3.1	200	--			--			2.1 *	0.3 - 3.9	<100	--		
Any smoking, postpartum	3.6	2.0 - 5.1	300	--			--			5.0	2.1 - 7.8	200	9.2 *	1.4 - 16.9	<100
Any binge drinking, 3 months before pregnancy	18.1	14.1 - 22.0	1,600	20.9 *	7.8 - 34.1	200	19.5	12.5 - 26.5	700	19.3	12.9 - 25.6	600	9.1 *	3.0 - 15.1	<100
Any alcohol use, 3rd trimester†	28.1	23.4 - 32.9	2,400	47.2	30.8 - 63.5	400	28.1	20.1 - 36.1	1,000	30.1	22.2 - 38.0	1,000	7.3 *	0.8 - 13.9	<100
Pregnancy Intention and Family Planning															
Mistimed or unwanted pregnancy	18.1	14.5 - 21.7	1,600	13.7 *	2.8 - 24.6	100	11.0	6.3 - 15.7	400	24.1	17.4 - 30.8	800	22.3	12.7 - 32.0	200
Unsure of pregnancy intentions	11.2	8.1 - 14.3	1,000	--			9.7	4.6 - 14.7	300	9.1	4.3 - 13.8	300	24.1	13.4 - 34.9	200
Postpartum birth control use†	74.2	69.6 - 78.7	6,400	72.5	58.1 - 86.8	500	73.6	66.4 - 80.9	2,500	70.6	62.7 - 78.5	2,300	85.6 *	76.7 - 94.5	900
Infant Sleep and Breastfeeding															
Placed infant on back to sleep	89.5	86.6 - 92.4	7,800	--			88.6	83.6 - 93.6	3,100	87.9	82.5 - 93.2	2,800	89.8	84.0 - 95.5	900
Infant always or often shared bed	34.5	29.7 - 39.3	3,000	32.9	17.6 - 48.2	200	36.4	28.1 - 44.6	1,300	32.1	24.8 - 39.3	1,000	29.7	18.0 - 41.3	300
Intended to breastfeed, before birth	93.7	91.4 - 96.0	8,200	--			93.3 *	89.2 - 97.3	3,300	95.4 *	92.4 - 98.3	3,100	88.8 *	81.3 - 96.4	900
Intended to breastfeed exclusively, before birth	69.1	64.6 - 73.7	6,000	75.5 *	60.8 - 90.2	600	68.6	61.0 - 76.2	2,400	75.6	69.0 - 82.3	2,500	47.6	34.2 - 61.0	500
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	92.8	90.5 - 95.0	8,000	--			95.2 *	91.4 - 99.1	3,300	92.2	88.6 - 95.8	3,000	80.9	72.3 - 89.5	800
Exclusive breastfeeding, 1 month after delivery	45.1	40.0 - 50.3	3,800	43.5	27.0 - 60.0	300	43.5	34.9 - 52.0	1,500	48.2	39.9 - 56.4	1,500	41.0	27.6 - 54.5	400
Any breastfeeding, 3 months after delivery	82.4	78.2 - 86.5	5,500	--			87.4	81.0 - 93.8	2,300	82.8	76.2 - 89.3	2,000	63.9	50.6 - 77.3	600
Exclusive breastfeeding, 3 months after delivery	35.6	30.0 - 41.1	2,300	31.3	13.8 - 48.7	200	33.0	24.0 - 42.0	900	39.9	30.9 - 48.9	1,000	31.9	17.5 - 46.3	300



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

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County			0-4.9% of Residents below Poverty			5-9.9% of Residents below Poverty			10-19.9% of Residents below Poverty			≥ 20% of Residents below Poverty		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Service Utilization and Health Insurance Coverage															
Had a usual source of pre-pregnancy care	75.4	70.9 - 79.8	6,600	79.5 *	66.1 - 92.9	600	75.2	68.0 - 82.4	2,600	75.7	69.0 - 82.5	2,500	79.6	68.5 - 90.6	800
Initiated prenatal care in 1st trimester	94.5	92.6 - 96.4	8,200	--			95.4 *	92.3 - 98.5	3,200	92.2	88.5 - 95.8	3,000	94.4 *	90.2 - 98.6	1,000
Mom or infant needed but couldn't afford care postpartum	7.0	4.8 - 9.1	600	--			2.4 *	0.2 - 4.6	<100	10.7	6.5 - 14.9	300	13.8 *	4.4 - 23.3	100
Participated in WIC during pregnancy†	31.3	27.6 - 35.1	2,700	19.7 *	6.8 - 32.6	100	17.8	12.2 - 23.4	600	37.4	30.3 - 44.4	1,200	65.8	52.9 - 78.7	700
Received CalFresh (food stamps) during pregnancy	10.3	8.3 - 12.2	900	--			4.8	2.3 - 7.3	200	11.3	8.0 - 14.6	400	29.4	18.8 - 39.9	300
Pre-pregnancy insurance															
Medi-Cal	14.8	12.2 - 17.5	1,300	9.0 *	2.1 - 15.8	<100	6.4	3.5 - 9.4	200	20.1	14.5 - 25.7	700	30.9	20.2 - 41.7	300
Uninsured	12.6	9.4 - 15.9	1,100	--			9.0	4.9 - 13.2	300	15.4	9.0 - 21.8	500	22.6	11.5 - 33.7	200
Private	69.8	66.2 - 73.4	6,100	87.8 *	80.1 - 95.6	700	82.3	76.9 - 87.6	2,900	60.8	53.6 - 68.1	2,000	43.0	28.9 - 57.1	400
Prenatal insurance															
Medi-Cal	31.2	27.7 - 34.8	2,700	16.9 *	6.0 - 27.7	100	17.5	12.4 - 22.6	600	37.0	29.9 - 44.1	1,200	69.5	56.9 - 82.0	700
Uninsured	1.7 *	0.3 - 3.0	100	--			--			--			--		
Private	65.0	61.4 - 68.6	5,700	83.1 *	72.3 - 94.0	600	79.4	73.8 - 84.9	2,700	57.2	49.8 - 64.6	1,900	28.0	15.6 - 40.4	300
Maternal postpartum insurance															
Medi-Cal	24.9	21.3 - 28.5	2,200	15.7 *	5.0 - 26.4	100	12.8	8.5 - 17.1	400	31.6	24.4 - 38.8	1,000	52.4	38.8 - 66.1	500
Uninsured	5.7	3.5 - 8.0	500	--			3.7 *	0.7 - 6.6	100	7.1 *	2.9 - 11.4	200	11.4 *	2.3 - 20.5	100
Private	65.9	62.1 - 69.6	5,800	84.3 *	73.6 - 95.0	600	79.9	74.1 - 85.7	2,800	57.0	49.6 - 64.4	1,900	32.5	19.8 - 45.3	300
Infant health insurance															
Medi-Cal	33.2	29.6 - 36.9	2,900	15.7 *	5.0 - 26.4	100	18.9	13.6 - 24.2	700	40.3	33.0 - 47.7	1,300	71.2	58.8 - 83.6	700
Uninsured	--			--			--			--			--		
Private	64.4	60.7 - 68.0	5,600	84.3 *	73.6 - 95.0	600	78.4	72.7 - 84.1	2,700	57.1	49.6 - 64.5	1,800	25.8	13.5 - 38.1	300
Maternal Demographics															
Age															
15-19	1.1 *	0.5 - 1.8	100	--			--			--			5.3 *	1.4 - 9.2	<100
20-34	60.6	55.7 - 65.6	5,300	70.5	56.4 - 84.7	500	50.5	42.1 - 58.9	1,800	65.1	57.4 - 72.7	2,200	66.2	52.3 - 80.0	700
35+	38.2	33.3 - 43.2	3,400	29.5	15.3 - 43.6	200	49.4	41.0 - 57.8	1,700	33.6	26.0 - 41.3	1,100	28.6	14.5 - 42.6	300
Did not complete high school (or GED)	8.9	6.7 - 11.0	800	--			5.6	2.5 - 8.6	200	10.8	6.8 - 14.8	400	18.1	9.1 - 27.2	200
Unmarried	25.2	21.2 - 29.1	2,200	12.2 *	1.8 - 22.7	<100	20.7	14.1 - 27.3	700	23.6	17.8 - 29.4	800	50.6	37.1 - 64.1	500
Race/Ethnicity															
White	41.7	37.0 - 46.5	3,600	54.6	38.3 - 71.0	400	46.3	37.9 - 54.6	1,600	41.8	34.1 - 49.6	1,400	21.5 *	8.6 - 34.4	200
Hispanic	18.8	15.2 - 22.3	1,600	--			14.3	9.5 - 19.1	500	19.3	13.7 - 24.9	600	36.4	23.1 - 49.6	400
Asian/Pacific Islander	33.8	28.9 - 38.7	3,000	31.2	16.1 - 46.3	200	38.5	30.1 - 47.0	1,300	32.4	24.8 - 40.0	1,100	22.7	11.2 - 34.1	200
Black	5.4	4.7 - 6.2	500	4.3 *	0.2 - 8.4	<100	0.6 *	0.1 - 1.1	<100	6.2	4.2 - 8.2	200	19.5	12.8 - 26.1	200
Born outside the U.S.	45.5	40.7 - 50.4	4,000	41.7	25.7 - 57.7	300	44.5	36.1 - 52.9	1,600	42.9	35.3 - 50.5	1,400	64.4	53.0 - 75.7	700
Speaks non-English language at home	31.0	26.7 - 35.3	2,700	13.1 *	1.4 - 24.7	<100	27.3	20.2 - 34.3	900	32.5	25.2 - 39.7	1,000	52.3	39.2 - 65.4	500
Income as a percent of the Federal Poverty Guideline															
0-100%	20.1	16.9 - 23.3	1,700	10.5 *	0.5 - 20.5	<100	8.6	5.4 - 11.8	300	25.1	18.3 - 31.9	800	49.9	35.8 - 63.9	500
101-200%	12.1	9.1 - 15.1	1,000	--			7.1	3.3 - 10.9	200	15.3	9.5 - 21.1	500	22.0	10.5 - 33.4	200
> 200%	67.8	64.1 - 71.5	5,600	81.4 *	68.6 - 94.3	600	84.3	79.5 - 89.1	2,800	59.6	52.0 - 67.2	1,800	28.2	13.4 - 43.0	300

-- 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 County was 594. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (i.e., numerator of the percent rounded to the nearest hundred) are weighted to represent all women with a live birth who resided in California and the county in 2013-2015. Population estimate (N) is a three-year average. Neighborhood poverty is the percentage of residents with incomes below poverty in a woman's census tract. See the Technical Notes for information on weighting, comparability to prior years and technical definitions. Visit the MIHA website at www.cdph.ca.gov/MIHA.



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

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County			Medi-Cal			Private		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		8,800	31.2	27.7 - 34.8	2,700	65.0	61.4 - 68.6	5,700
Health Status before Pregnancy									
In good to excellent health	95.3	93.6 - 97.0	8,400	89.8	85.6 - 94.0	2,500	97.9 *	96.2 - 99.6	5,500
Chronic conditions									
Diabetes†	2.4	1.2 - 3.6	200	4.5	2.0 - 6.9	100	1.6 *	0.2 - 3.1	<100
Hypertension†	2.0	0.9 - 3.1	200	4.3 *	1.5 - 7.1	100	--		
Asthma†	6.9	4.7 - 9.2	600	8.4	4.7 - 12.2	200	6.7	3.7 - 9.6	400
Nutrition and Weight									
Daily folic acid use, month before pregnancy	43.6	38.6 - 48.6	3,800	28.7	21.1 - 36.3	800	51.7	45.1 - 58.2	2,900
Overweight before pregnancy	15.4	11.7 - 19.1	1,300	28.1	19.8 - 36.4	700	9.4	5.4 - 13.4	500
Obese before pregnancy	9.1	6.5 - 11.7	800	15.7	10.2 - 21.2	400	6.8	3.8 - 9.9	400
Inadequate weight gain during pregnancy	16.2	12.2 - 20.2	1,200	19.4	12.4 - 26.3	400	14.0	9.2 - 18.8	700
Excessive weight gain during pregnancy	37.5	32.3 - 42.7	2,900	38.3	29.7 - 46.9	800	38.7	32.0 - 45.4	2,000
Food insecurity during pregnancy	9.2	6.9 - 11.5	800	23.3	17.2 - 29.4	600	1.4 *	0.2 - 2.6	<100
Intimate Partner Violence (IPV) and Depressive Symptoms									
Physical or psychological IPV during pregnancy	5.4	3.4 - 7.4	500	13.9	8.5 - 19.2	400	--		
Prenatal depressive symptoms	14.4	10.8 - 17.9	1,300	24.1	17.0 - 31.1	700	8.9	5.0 - 12.9	500
Postpartum depressive symptoms	12.0	8.6 - 15.3	1,000	17.4	11.1 - 23.6	500	8.4	4.5 - 12.4	500
Hardships and Support during Pregnancy									
Experienced two or more hardships during childhood	17.1	13.5 - 20.6	1,500	30.6	23.2 - 38.0	800	10.9	6.8 - 15.0	600
Homeless or did not have a regular place to sleep	2.8	1.6 - 4.0	200	8.0	4.5 - 11.6	200	--		
Moved due to problems paying rent or mortgage	3.1	1.7 - 4.5	300	7.0	4.0 - 10.0	200	--		
Woman or partner lost job	11.7	8.2 - 15.2	1,000	23.7	15.8 - 31.7	600	6.3	3.0 - 9.7	400
Woman or partner had pay or hours cut back	8.2	5.2 - 11.1	700	16.6	9.5 - 23.7	500	4.2 *	1.5 - 6.8	200
Became separated or divorced	3.1	1.9 - 4.3	300	7.4	4.2 - 10.6	200	--		
Had no practical or emotional support	2.3	1.0 - 3.6	200	4.4 *	1.6 - 7.2	100	--		
Substance Use									
Any smoking, 3 months before pregnancy	8.9	6.3 - 11.5	800	11.5	7.4 - 15.6	300	7.3	4.1 - 10.5	400
Any smoking, 3rd trimester†	1.9 *	0.7 - 3.1	200	3.3	1.4 - 5.2	<100	--		
Any smoking, postpartum	3.6	2.0 - 5.1	300	7.5	4.1 - 10.9	200	--		
Any binge drinking, 3 months before pregnancy	18.1	14.1 - 22.0	1,600	9.8	5.4 - 14.2	300	22.6	17.0 - 28.2	1,300
Any alcohol use, 3rd trimester†	28.1	23.4 - 32.9	2,400	11.3 *	4.4 - 18.2	300	37.6	31.0 - 44.1	2,100
Pregnancy Intention and Family Planning									
Mistimed or unwanted pregnancy	18.1	14.5 - 21.7	1,600	30.5	23.6 - 37.5	800	12.0	7.8 - 16.2	700
Unsure of pregnancy intentions	11.2	8.1 - 14.3	1,000	19.7	13.7 - 25.6	500	7.2	3.5 - 10.9	400
Postpartum birth control use†	74.2	69.6 - 78.7	6,400	81.0	73.9 - 88.1	2,200	70.7	64.7 - 76.8	4,000
Infant Sleep and Breastfeeding									
Placed infant on back to sleep	89.5	86.6 - 92.4	7,800	85.3	80.6 - 90.1	2,200	92.4	88.7 - 96.1	5,300
Infant always or often shared bed	34.5	29.7 - 39.3	3,000	45.0	37.0 - 53.0	1,200	28.3	22.1 - 34.5	1,600
Intended to breastfeed, before birth	93.7	91.4 - 96.0	8,200	89.9	85.4 - 94.3	2,400	95.1	92.3 - 97.9	5,400
Intended to breastfeed exclusively, before birth	69.1	64.6 - 73.7	6,000	51.1	42.9 - 59.3	1,400	77.6	72.2 - 83.1	4,400
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	92.8	90.5 - 95.0	8,000	86.1	81.3 - 90.9	2,300	96.2 *	93.7 - 98.8	5,400
Exclusive breastfeeding, 1 month after delivery	45.1	40.0 - 50.3	3,800	38.9	30.7 - 47.1	1,000	48.9	42.3 - 55.6	2,700
Any breastfeeding, 3 months after delivery	82.4	78.2 - 86.5	5,500	69.1	61.1 - 77.2	1,400	90.2	85.6 - 94.7	3,900
Exclusive breastfeeding, 3 months after delivery	35.6	30.0 - 41.1	2,300	18.7	12.3 - 25.2	400	44.9	37.3 - 52.5	1,900



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

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County				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	75.4	70.9 - 79.8		6,600	66.4	59.1 - 73.7		1,800	81.1	75.5 - 86.7		4,600
Initiated prenatal care in 1st trimester	94.5	92.6 - 96.4		8,200	85.5	80.3 - 90.7		2,300	--			
Mom or infant needed but couldn't afford care postpartum	7.0	4.8 - 9.1		600	14.3	9.2 - 19.3		400	3.6 *	1.3 - 5.8		200
Participated in WIC during pregnancy†	31.3	27.6 - 35.1		2,700	83.6	78.4 - 88.9		2,300	5.4	2.7 - 8.2		300
Received CalFresh (food stamps) during pregnancy	10.3	8.3 - 12.2		900	30.6	24.2 - 37.0		800	--			
Pre-pregnancy insurance												
Medi-Cal	14.8	12.2 - 17.5		1,300	47.0	39.0 - 54.9		1,300	--			
Uninsured	12.6	9.4 - 15.9		1,100	30.8	23.0 - 38.7		800	--			
Private	69.8	66.2 - 73.4		6,100	16.9	9.9 - 23.9		500	--			
Maternal postpartum insurance												
Medi-Cal	24.9	21.3 - 28.5		2,200	74.9	67.9 - 81.9		2,000	--			
Uninsured	5.7	3.5 - 8.0		500	13.5	7.9 - 19.1		400	--			
Private	65.9	62.1 - 69.6		5,800	5.4 *	1.5 - 9.3		100	--			
Infant health insurance												
Medi-Cal	33.2	29.6 - 36.9		2,900	96.9 *	95.0 - 98.8		2,600	2.4 *	0.7 - 4.2		100
Uninsured	--				--				--			
Private	64.4	60.7 - 68.0		5,600	--				96.8 *	94.8 - 98.8		5,500
Maternal Demographics												
Age												
15-19	1.1 *	0.5 - 1.8		100	3.6 *	1.4 - 5.8		<100	--			
20-34	60.6	55.7 - 65.6		5,300	76.6	69.4 - 83.8		2,100	50.3	43.8 - 56.9		2,900
35+	38.2	33.3 - 43.2		3,400	19.8	12.7 - 26.8		500	49.7	43.1 - 56.2		2,800
Did not complete high school (or GED)	8.9	6.7 - 11.0		800	24.5	18.1 - 30.9		600	--			
Unmarried	25.2	21.2 - 29.1		2,200	53.3	45.0 - 61.5		1,400	12.5	8.0 - 17.1		700
Race/Ethnicity												
White	41.7	37.0 - 46.5		3,600	13.7	6.7 - 20.7		400	55.7	49.1 - 62.3		3,100
Hispanic	18.8	15.2 - 22.3		1,600	37.2	29.7 - 44.7		1,000	9.3	5.4 - 13.3		500
Asian/Pacific Islander	33.8	28.9 - 38.7		3,000	34.6	26.8 - 42.5		900	33.3	26.9 - 39.7		1,900
Black	5.4	4.7 - 6.2		500	13.9	11.0 - 16.8		400	1.6	1.0 - 2.2		<100
Born outside the U.S.	45.5	40.7 - 50.4		4,000	64.5	57.2 - 71.9		1,800	34.0	27.6 - 40.4		1,900
Speaks non-English language at home	31.0	26.7 - 35.3		2,700	60.7	53.1 - 68.3		1,600	14.1	9.5 - 18.7		800
Lives in a high poverty neighborhood	12.0	9.0 - 15.0		1,000	26.9	19.5 - 34.3		700	5.2	2.5 - 7.9		300
Income as a percent of the Federal Poverty Guideline												
0-100%	20.1	16.9 - 23.3		1,700	59.0	50.5 - 67.4		1,500	1.5 *	0.4 - 2.6		<100
101-200%	12.1	9.1 - 15.1		1,000	30.0	22.2 - 37.8		700	2.9 *	1.0 - 4.8		200
> 200%	67.8	64.1 - 71.5		5,600	11.0 *	4.4 - 17.7		300	95.6	93.4 - 97.8		5,300

-- 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).

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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 county in 2013-2015. Population estimate (N) is a three-year average. See the Technical Notes for information on weighting, comparability to prior years and technical definitions. Visit the MIHA website at www.cdph.ca.gov/MIHA.

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 County by Race/Ethnicity, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County			Hispanic			Black			White			Asian/Pacific Islander		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		8,800	18.8	15.2 - 22.3	1,600	5.4	4.7 - 6.2	500	41.7	37.0 - 46.5	3,600	33.8	28.9 - 38.7	3,000
Health Status before Pregnancy															
In good to excellent health	95.3	93.6 - 97.0	8,400	88.0	81.8 - 94.1	1,400	89.4*	82.2 - 96.5	400	--			95.3*	91.8 - 98.7	2,800
Chronic conditions															
Diabetes†	2.4	1.2 - 3.6	200	5.4*	1.6 - 9.1	<100	9.2*	1.4 - 16.9	<100	--			--		
Hypertension†	2.0	0.9 - 3.1	200	--			12.1*	3.1 - 21.0	<100	--			--		
Asthma†	6.9	4.7 - 9.2	600	7.2*	2.0 - 12.4	100	20.3	11.6 - 29.0	<100	8.6	4.2 - 12.9	300	2.7*	0.4 - 4.9	<100
Nutrition and Weight															
Daily folic acid use, month before pregnancy	43.6	38.6 - 48.6	3,800	25.2	16.7 - 33.7	400	31.4	21.8 - 41.0	100	53.4	45.2 - 61.6	1,900	42.9	33.9 - 51.8	1,300
Overweight before pregnancy	15.4	11.7 - 19.1	1,300	30.3	18.8 - 41.7	400	26.0	15.4 - 36.7	100	9.3	5.0 - 13.7	300	14.1	6.8 - 21.5	400
Obese before pregnancy	9.1	6.5 - 11.7	800	22.2	12.6 - 31.8	300	24.4	15.9 - 32.8	100	5.9*	2.1 - 9.8	200	4.5*	1.4 - 7.5	100
Inadequate weight gain during pregnancy	16.2	12.2 - 20.2	1,200	21.7	10.9 - 32.4	300	13.1	5.8 - 20.5	<100	16.1	9.7 - 22.4	500	14.9	8.5 - 21.3	400
Excessive weight gain during pregnancy	37.5	32.3 - 42.7	2,900	29.5	18.1 - 40.9	400	52.6	39.9 - 65.3	200	42.3	33.8 - 50.7	1,400	32.6	23.7 - 41.5	900
Food insecurity during pregnancy	9.2	6.9 - 11.5	800	26.5	18.0 - 34.9	400	19.5	11.3 - 27.7	<100	--			6.6*	2.4 - 10.9	200
Intimate Partner Violence (IPV) and Depressive Symptoms															
Physical or psychological IPV during pregnancy	5.4	3.4 - 7.4	500	9.1	4.0 - 14.1	100	11.1*	3.8 - 18.5	<100	2.7*	0.3 - 5.0	<100	5.7*	1.6 - 9.9	200
Prenatal depressive symptoms	14.4	10.8 - 17.9	1,300	26.7	16.6 - 36.7	400	21.4	14.0 - 28.9	<100	9.5	4.5 - 14.5	300	11.8	5.7 - 17.9	300
Postpartum depressive symptoms	12.0	8.6 - 15.3	1,000	18.7	8.7 - 28.7	300	16.0	9.3 - 22.8	<100	6.8*	2.6 - 11.0	200	14.4	8.2 - 20.6	400
Hardships and Support during Pregnancy															
Experienced two or more hardships during childhood	17.1	13.5 - 20.6	1,500	35.5	25.0 - 46.0	600	39.8	28.5 - 51.2	200	11.7	6.5 - 17.0	400	9.8	4.4 - 15.1	300
Homeless or did not have a regular place to sleep	2.8	1.6 - 4.0	200	--			23.0	12.3 - 33.6	100	--			1.4*	0.2 - 2.6	<100
Moved due to problems paying rent or mortgage	3.1	1.7 - 4.5	300	3.9*	0.6 - 7.2	<100	13.5	5.8 - 21.2	<100	--			3.5*	0.7 - 6.2	100
Woman or partner lost job	11.7	8.2 - 15.2	1,000	20.4	11.1 - 29.7	300	18.1	9.8 - 26.3	<100	11.0	4.8 - 17.2	400	6.8*	2.6 - 11.1	200
Woman or partner had pay or hours cut back	8.2	5.2 - 11.1	700	12.2	5.5 - 18.9	200	15.0	7.0 - 23.1	<100	7.4*	1.9 - 12.9	300	5.6*	1.6 - 9.7	200
Became separated or divorced	3.1	1.9 - 4.3	300	8.8	3.7 - 13.9	100	18.0	9.5 - 26.5	<100	--			--		
Had no practical or emotional support	2.3	1.0 - 3.6	200	5.2*	1.1 - 9.3	<100	4.4*	1.3 - 7.6	<100	--			--		
Substance Use															
Any smoking, 3 months before pregnancy	8.9	6.3 - 11.5	800	6.8*	2.0 - 11.5	100	27.3	17.0 - 37.6	100	8.8	4.1 - 13.6	300	7.3	3.3 - 11.3	200
Any smoking, 3rd trimester†	1.9*	0.7 - 3.1	200	--			13.3	6.1 - 20.5	<100	--			--		
Any smoking, postpartum	3.6	2.0 - 5.1	300	--			25.5	15.3 - 35.8	100	--			2.9*	0.7 - 5.1	<100
Any binge drinking, 3 months before pregnancy	18.1	14.1 - 22.0	1,600	11.6*	4.4 - 18.7	200	16.0	7.6 - 24.3	<100	25.3	18.4 - 32.2	900	13.9	6.7 - 21.0	400
Any alcohol use, 3rd trimester†	28.1	23.4 - 32.9	2,400	16.7*	6.5 - 27.0	300	8.1*	1.6 - 14.6	<100	47.2	39.0 - 55.4	1,700	14.7	7.2 - 22.2	400
Pregnancy Intention and Family Planning															
Mistimed or unwanted pregnancy	18.1	14.5 - 21.7	1,600	27.6	18.9 - 36.4	500	24.2	16.1 - 32.3	100	12.4	7.4 - 17.4	500	19.3	12.0 - 26.6	600
Unsure of pregnancy intentions	11.2	8.1 - 14.3	1,000	10.5	4.8 - 16.1	200	33.1	21.6 - 44.7	200	10.1	4.5 - 15.7	400	9.8	4.8 - 14.7	300
Postpartum birth control use†	74.2	69.6 - 78.7	6,400	86.5	78.6 - 94.4	1,400	75.6	66.5 - 84.6	300	75.3	68.0 - 82.6	2,700	65.9	57.3 - 74.5	1,900
Infant Sleep and Breastfeeding															
Placed infant on back to sleep	89.5	86.6 - 92.4	7,800	83.2	75.4 - 91.0	1,300	82.3	74.5 - 90.1	400	95.0*	91.4 - 98.5	3,400	87.2	81.2 - 93.1	2,500
Infant always or often shared bed	34.5	29.7 - 39.3	3,000	30.1	20.3 - 40.0	500	52.4	41.3 - 63.4	200	23.3	16.5 - 30.0	800	49.0	39.8 - 58.2	1,400
Intended to breastfeed, before birth	93.7	91.4 - 96.0	8,200	92.9*	88.2 - 97.6	1,500	84.4	76.5 - 92.3	400	96.4*	93.2 - 99.7	3,500	93.2*	89.3 - 97.2	2,700
Intended to breastfeed exclusively, before birth	69.1	64.6 - 73.7	6,000	61.2	50.4 - 71.9	1,000	57.0	45.5 - 68.5	300	85.9	80.2 - 91.7	3,100	55.1	46.1 - 64.1	1,600
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	92.8	90.5 - 95.0	8,000	89.3	83.4 - 95.2	1,400	70.9	60.2 - 81.5	300	--			93.5	89.8 - 97.2	2,700
Exclusive breastfeeding, 1 month after delivery	45.1	40.0 - 50.3	3,800	34.0	23.7 - 44.3	500	45.0	34.3 - 55.7	200	61.1	53.0 - 69.2	2,200	31.0	22.4 - 39.6	900
Any breastfeeding, 3 months after delivery	82.4	78.2 - 86.5	5,500	75.8	66.4 - 85.2	1,100	50.2	37.5 - 62.9	200	91.9*	86.7 - 97.0	2,500	80.2	71.7 - 88.8	1,600
Exclusive breastfeeding, 3 months after delivery	35.6	30.0 - 41.1	2,300	21.8	11.6 - 31.9	300	32.3	21.4 - 43.1	100	49.6	40.2 - 58.9	1,400	25.9	15.9 - 35.9	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 County by Race/Ethnicity, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County			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	75.4	70.9 - 79.8	6,600	72.8	63.3 - 82.2	1,200	81.4	73.1 - 89.7	400	77.3	70.2 - 84.4	2,800	74.0	66.1 - 81.9	2,200
Initiated prenatal care in 1st trimester	94.5	92.6 - 96.4	8,200	90.5	85.0 - 96.1	1,400	84.6*	75.2 - 94.0	400	--	--	--	93.8*	90.1 - 97.6	2,800
Mom or infant needed but couldn't afford care postpartum	7.0	4.8 - 9.1	600	8.1*	3.3 - 12.8	100	13.1	6.4 - 19.8	<100	4.3*	0.9 - 7.6	200	9.0	4.8 - 13.3	300
Participated in WIC during pregnancy†	31.3	27.6 - 35.1	2,700	68.0	57.3 - 78.7	1,100	70.6	60.9 - 80.2	300	7.0*	1.9 - 12.1	200	33.9	25.9 - 41.9	1,000
Received CalFresh (food stamps) during pregnancy	10.3	8.3 - 12.2	900	23.5	15.5 - 31.4	400	60.9	50.1 - 71.6	300	2.7*	0.7 - 4.8	<100	3.6	1.5 - 5.8	100
Pre-pregnancy insurance															
Medi-Cal	14.8	12.2 - 17.5	1,300	31.2	22.2 - 40.2	500	48.7	38.2 - 59.3	200	2.2*	0.2 - 4.2	<100	15.8	10.0 - 21.6	500
Uninsured	12.6	9.4 - 15.9	1,100	23.7	15.7 - 31.6	400	16.2	7.1 - 25.4	<100	8.0*	2.5 - 13.5	300	10.7	5.5 - 15.8	300
Private	69.8	66.2 - 73.4	6,100	38.8	27.4 - 50.2	600	31.2	21.5 - 41.0	100	88.0	82.0 - 94.0	3,200	71.6	64.3 - 79.0	2,100
Prenatal insurance															
Medi-Cal	31.2	27.7 - 34.8	2,700	62.1	51.3 - 73.0	1,000	79.9	72.6 - 87.2	400	10.3	4.8 - 15.7	400	32.4	24.8 - 40.0	900
Uninsured	1.7*	0.3 - 3.0	100	--	--	--	--	--	--	--	--	--	--	--	--
Private	65.0	61.4 - 68.6	5,700	32.2	21.3 - 43.0	500	18.5	11.6 - 25.5	<100	86.2	80.1 - 92.3	3,100	64.3	56.4 - 72.1	1,900
Maternal postpartum insurance															
Medi-Cal	24.9	21.3 - 28.5	2,200	47.6	36.8 - 58.5	800	78.7	71.1 - 86.4	400	9.1*	3.6 - 14.7	300	23.2	16.5 - 29.8	700
Uninsured	5.7	3.5 - 8.0	500	10.0	4.9 - 15.1	200	--	--	--	--	--	--	8.8*	3.3 - 14.2	300
Private	65.9	62.1 - 69.6	5,800	31.1	20.3 - 41.9	500	19.2	12.0 - 26.4	<100	86.1	79.7 - 92.4	3,100	67.4	59.6 - 75.2	2,000
Infant health insurance															
Medi-Cal	33.2	29.6 - 36.9	2,900	70.0	59.3 - 80.8	1,100	81.6	74.4 - 88.9	400	11.5	5.7 - 17.4	400	32.7	25.0 - 40.4	900
Uninsured	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Private	64.4	60.7 - 68.0	5,600	27.7	16.9 - 38.4	500	15.0	8.2 - 21.8	<100	86.3	80.2 - 92.4	3,100	64.7	56.7 - 72.6	1,900
Maternal Demographics															
Age															
15-19	1.1*	0.5 - 1.8	100	--	--	--	11.3*	3.8 - 18.8	<100	--	--	--	--	--	--
20-34	60.6	55.7 - 65.6	5,300	71.3	60.6 - 82.0	1,200	70.6	60.3 - 80.9	300	53.4	45.2 - 61.7	1,900	63.1	54.2 - 71.9	1,900
35+	38.2	33.3 - 43.2	3,400	26.4	15.7 - 37.0	400	18.1	9.4 - 26.9	<100	46.6	38.3 - 54.8	1,700	36.6	27.8 - 45.4	1,100
Did not complete high school (or GED)	8.9	6.7 - 11.0	800	31.7	22.4 - 41.0	500	19.9	10.4 - 29.4	<100	--	--	--	5.3*	1.9 - 8.8	200
Unmarried	25.2	21.2 - 29.1	2,200	53.6	42.7 - 64.5	900	77.1	68.4 - 85.8	400	14.4	8.3 - 20.5	500	14.6	8.6 - 20.5	400
Born outside the U.S.	45.5	40.7 - 50.4	4,000	63.6	52.5 - 74.7	1,000	11.5*	4.1 - 18.8	<100	23.0	15.5 - 30.5	800	70.3	61.9 - 78.8	2,100
Speaks non-English language at home	31.0	26.7 - 35.3	2,700	56.7	45.8 - 67.6	900	--	--	--	10.2	4.9 - 15.4	400	49.1	40.0 - 58.3	1,400
Lives in a high poverty neighborhood	12.0	9.0 - 15.0	1,000	23.6	14.0 - 33.3	400	43.7	32.5 - 54.8	200	6.1*	1.9 - 10.3	200	8.1	3.6 - 12.6	200
Income as a percent of the Federal Poverty Guideline															
0-100%	20.1	16.9 - 23.3	1,700	50.0	38.2 - 61.7	700	66.4	56.3 - 76.5	300	5.9*	0.6 - 11.1	200	15.7	10.4 - 21.0	400
101-200%	12.1	9.1 - 15.1	1,000	15.5	7.7 - 23.3	200	18.3	9.6 - 27.1	<100	5.0*	1.9 - 8.0	200	18.5	11.5 - 25.4	500
> 200%	67.8	64.1 - 71.5	5,600	34.6	21.7 - 47.4	500	15.3	7.2 - 23.4	<100	89.2	83.3 - 95.0	3,200	65.8	58.0 - 73.7	1,900

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

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

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

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2015 were combined, resulting in a statewide sample size of 20,762. The sample size of San Francisco County was 594. Percent (%), 95% confidence interval (95% CI) and estimated number of women in the population with the health indicator/characteristic (i.e., numerator of the percent rounded to the nearest hundred) are weighted to represent all women with a live birth who resided in California and the county in 2013-2015. Population estimate (N) is a three-year average. See the Technical Notes for information on weighting, comparability to prior years and technical definitions. Visit the MIHA website at www.cdph.ca.gov/MIHA.

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

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County			First Live Birth			Second Live Birth or More		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		8,800	55.7	50.8 - 60.7	4,900	44.3	39.3 - 49.2	3,900
Health Status before Pregnancy									
In good to excellent health	95.3	93.6 - 97.0	8,400	96.5 *	94.3 - 98.6	4,700	93.8	90.9 - 96.6	3,700
Chronic conditions									
Diabetes†	2.4	1.2 - 3.6	200	1.5 *	0.3 - 2.7	<100	3.6 *	1.4 - 5.8	100
Hypertension†	2.0	0.9 - 3.1	200	1.9 *	0.5 - 3.4	<100	2.1 *	0.5 - 3.7	<100
Asthma†	6.9	4.7 - 9.2	600	6.6	3.8 - 9.3	300	7.4	3.7 - 11.1	300
Nutrition and Weight									
Daily folic acid use, month before pregnancy	43.6	38.6 - 48.6	3,800	50.6	43.8 - 57.5	2,500	34.9	27.9 - 41.9	1,400
Overweight before pregnancy	15.4	11.7 - 19.1	1,300	11.2	6.8 - 15.6	500	20.9	14.5 - 27.3	800
Obese before pregnancy	9.1	6.5 - 11.7	800	6.5	3.4 - 9.6	300	12.6	8.1 - 17.0	500
Inadequate weight gain during pregnancy	16.2	12.2 - 20.2	1,200	16.4	11.0 - 21.9	700	15.9	10.3 - 21.6	500
Excessive weight gain during pregnancy	37.5	32.3 - 42.7	2,900	38.5	31.5 - 45.5	1,700	36.2	28.3 - 44.1	1,200
Food insecurity during pregnancy	9.2	6.9 - 11.5	800	7.1	4.1 - 10.0	300	11.9	8.0 - 15.8	500
Intimate Partner Violence (IPV) and Depressive Symptoms									
Physical or psychological IPV during pregnancy	5.4	3.4 - 7.4	500	5.3	2.6 - 8.0	300	5.5	2.5 - 8.5	200
Prenatal depressive symptoms	14.4	10.8 - 17.9	1,300	12.0	7.6 - 16.4	600	17.3	11.6 - 23.1	700
Postpartum depressive symptoms	12.0	8.6 - 15.3	1,000	11.9	7.5 - 16.3	600	12.1	7.0 - 17.3	500
Hardships and Support during Pregnancy									
Experienced two or more hardships during childhood	17.1	13.5 - 20.6	1,500	15.5	10.8 - 20.2	800	19.1	13.5 - 24.6	700
Homeless or did not have a regular place to sleep	2.8	1.6 - 4.0	200	3.1	1.4 - 4.8	200	2.4 *	0.8 - 4.1	<100
Moved due to problems paying rent or mortgage	3.1	1.7 - 4.5	300	3.6 *	1.5 - 5.7	200	2.5 *	0.9 - 4.1	<100
Woman or partner lost job	11.7	8.2 - 15.2	1,000	12.8	7.7 - 17.9	600	10.4	5.8 - 14.9	400
Woman or partner had pay or hours cut back	8.2	5.2 - 11.1	700	8.9	4.3 - 13.4	400	7.3	3.8 - 10.8	300
Became separated or divorced	3.1	1.9 - 4.3	300	2.0	0.9 - 3.1	<100	4.4	2.1 - 6.8	200
Had no practical or emotional support	2.3	1.0 - 3.6	200	2.8 *	0.7 - 4.9	100	1.6 *	0.4 - 2.9	<100
Substance Use									
Any smoking, 3 months before pregnancy	8.9	6.3 - 11.5	800	10.2	6.3 - 14.1	500	7.3	4.0 - 10.5	300
Any smoking, 3rd trimester†	1.9 *	0.7 - 3.1	200	1.3 *	0.1 - 2.5	<100	2.7 *	0.4 - 4.9	100
Any smoking, postpartum	3.6	2.0 - 5.1	300	2.8 *	1.0 - 4.7	100	4.5	1.9 - 7.1	200
Any binge drinking, 3 months before pregnancy	18.1	14.1 - 22.0	1,600	24.8	18.7 - 30.9	1,200	9.6	5.5 - 13.8	400
Any alcohol use, 3rd trimester†	28.1	23.4 - 32.9	2,400	30.1	23.4 - 36.7	1,500	25.7	18.8 - 32.6	1,000
Pregnancy Intention and Family Planning									
Mistimed or unwanted pregnancy	18.1	14.5 - 21.7	1,600	18.8	13.8 - 23.9	900	17.2	12.2 - 22.2	700
Unsure of pregnancy intentions	11.2	8.1 - 14.3	1,000	10.4	6.2 - 14.6	500	12.2	7.5 - 16.8	500
Postpartum birth control use†	74.2	69.6 - 78.7	6,400	70.4	63.9 - 76.8	3,400	78.9	72.7 - 85.1	3,000
Infant Sleep and Breastfeeding									
Placed infant on back to sleep	89.5	86.6 - 92.4	7,800	91.8	88.3 - 95.3	4,400	86.6	81.7 - 91.5	3,300
Infant always or often shared bed	34.5	29.7 - 39.3	3,000	34.5	28.0 - 41.1	1,700	34.5	27.3 - 41.6	1,300
Intended to breastfeed, before birth	93.7	91.4 - 96.0	8,200	95.0	92.1 - 97.9	4,600	92.1	88.5 - 95.7	3,600
Intended to breastfeed exclusively, before birth	69.1	64.6 - 73.7	6,000	75.2	69.3 - 81.0	3,700	61.6	54.4 - 68.7	2,400
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	92.8	90.5 - 95.0	8,000	94.8	92.0 - 97.5	4,500	90.3	86.5 - 94.0	3,400
Exclusive breastfeeding, 1 month after delivery	45.1	40.0 - 50.3	3,800	42.8	35.8 - 49.7	2,000	48.1	40.5 - 55.7	1,800
Any breastfeeding, 3 months after delivery	82.4	78.2 - 86.5	5,500	86.6	81.5 - 91.6	3,200	77.2	70.3 - 84.0	2,300
Exclusive breastfeeding, 3 months after delivery	35.6	30.0 - 41.1	2,300	36.1	28.6 - 43.6	1,300	34.9	26.6 - 43.2	1,000



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

Maternal and Infant Health Assessment (MIHA) Survey

	San Francisco County				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	75.4	70.9 - 79.8		6,600	73.5	67.6 - 79.4		3,600	77.7	71.1 - 84.3		3,000
Initiated prenatal care in 1st trimester	94.5	92.6 - 96.4		8,200	95.5	93.3 - 97.8		4,700	93.1	89.8 - 96.3		3,500
Mom or infant needed but couldn't afford care postpartum	7.0	4.8 - 9.1		600	8.0	4.7 - 11.3		400	5.7	3.1 - 8.3		200
Participated in WIC during pregnancy†	31.3	27.6 - 35.1		2,700	22.4	17.5 - 27.4		1,100	42.8	35.9 - 49.6		1,600
Received CalFresh (food stamps) during pregnancy	10.3	8.3 - 12.2		900	5.2	3.2 - 7.1		300	16.8	12.8 - 20.7		600
Pre-pregnancy insurance												
Medi-Cal	14.8	12.2 - 17.5		1,300	7.5	4.9 - 10.1		400	24.0	18.7 - 29.3		900
Uninsured	12.6	9.4 - 15.9		1,100	13.7	8.9 - 18.5		700	11.3	6.9 - 15.6		400
Private	69.8	66.2 - 73.4		6,100	76.9	71.6 - 82.1		3,800	60.9	54.5 - 67.2		2,400
Prenatal insurance												
Medi-Cal	31.2	27.7 - 34.8		2,700	23.0	18.0 - 28.1		1,100	41.5	35.1 - 47.9		1,600
Uninsured	1.7 *	0.3 - 3.0		100	2.2 *	0.1 - 4.3		100	--			
Private	65.0	61.4 - 68.6		5,700	71.8	66.3 - 77.2		3,500	56.6	50.2 - 63.0		2,200
Maternal postpartum insurance												
Medi-Cal	24.9	21.3 - 28.5		2,200	20.7	15.6 - 25.8		1,000	30.2	24.2 - 36.1		1,200
Uninsured	5.7	3.5 - 8.0		500	4.6 *	1.9 - 7.4		200	7.1	3.3 - 10.9		300
Private	65.9	62.1 - 69.6		5,800	71.8	66.2 - 77.4		3,500	58.4	52.0 - 64.9		2,300
Infant health insurance												
Medi-Cal	33.2	29.6 - 36.9		2,900	25.7	20.3 - 31.1		1,200	42.8	36.4 - 49.2		1,600
Uninsured	--				--				--			
Private	64.4	60.7 - 68.0		5,600	70.9	65.3 - 76.6		3,400	56.1	49.7 - 62.5		2,200
Maternal Demographics												
Age												
15-19	1.1 *	0.5 - 1.8		100	2.0 *	0.8 - 3.2		<100	--			
20-34	60.6	55.7 - 65.6		5,300	64.4	57.9 - 71.0		3,200	55.9	48.4 - 63.3		2,200
35+	38.2	33.3 - 43.2		3,400	33.6	27.1 - 40.1		1,600	44.0	36.6 - 51.5		1,700
Did not complete high school (or GED)	8.9	6.7 - 11.0		800	5.2	3.0 - 7.5		300	13.6	9.4 - 17.8		500
Unmarried	25.2	21.2 - 29.1		2,200	24.7	19.1 - 30.2		1,200	25.9	20.0 - 31.7		1,000
Race/Ethnicity												
White	41.7	37.0 - 46.5		3,600	46.5	39.8 - 53.3		2,300	35.6	28.5 - 42.7		1,400
Hispanic	18.8	15.2 - 22.3		1,600	12.1	8.4 - 15.8		600	27.3	20.8 - 33.9		1,000
Asian/Pacific Islander	33.8	28.9 - 38.7		3,000	36.7	30.0 - 43.5		1,800	30.1	23.1 - 37.2		1,200
Black	5.4	4.7 - 6.2		500	4.4	3.1 - 5.8		200	6.7	5.1 - 8.3		300
Born outside the U.S.	45.5	40.7 - 50.4		4,000	40.1	33.4 - 46.8		2,000	52.4	45.2 - 59.6		2,000
Speaks non-English language at home	31.0	26.7 - 35.3		2,700	23.7	18.2 - 29.3		1,100	40.3	33.3 - 47.2		1,500
Lives in a high poverty neighborhood	12.0	9.0 - 15.0		1,000	9.6	6.0 - 13.2		500	15.1	9.9 - 20.2		600
Income as a percent of the Federal Poverty Guideline												
0-100%	20.1	16.9 - 23.3		1,700	16.9	12.1 - 21.8		800	24.2	19.2 - 29.2		900
101-200%	12.1	9.1 - 15.1		1,000	7.3	4.0 - 10.7		300	18.4	12.8 - 24.1		700
> 200%	67.8	64.1 - 71.5		5,600	75.8	70.4 - 81.2		3,600	57.4	50.7 - 64.0		2,100

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

* 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 County was 594.

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

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