



MIHA Data Snapshot, Contra Costa County by Education, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa 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		12,200	12.6	10.1 - 15.0	1,500	14.3	11.6 - 17.0	1,700	32.2	27.6 - 36.8	3,900	41.0	36.5 - 45.4	5,000
Health Status before Pregnancy															
In good to excellent health	92.6	90.4 - 94.8	11,200	83.5	75.7 - 91.3	1,300	84.4	76.7 - 92.2	1,500	94.1*	90.2 - 97.9	3,600	97.2*	94.7 - 99.7	4,800
Chronic conditions															
Diabetes†	2.5	1.2 - 3.8	300	7.0*	1.7 - 12.4	100	--			--			2.5*	0.1 - 4.9	100
Hypertension†	3.3	1.8 - 4.9	400	--			4.2*	0.9 - 7.5	<100	--			4.9*	1.5 - 8.3	200
Asthma†	8.0	5.6 - 10.5	1,000	9.7	4.1 - 15.2	100	8.6*	2.3 - 14.9	100	10.7	5.6 - 15.8	400	5.2*	1.8 - 8.6	300
Nutrition and Weight															
Daily folic acid use, month before pregnancy	36.8	32.2 - 41.5	4,500	26.0	16.9 - 35.1	400	19.8	11.7 - 28.0	300	36.2	27.3 - 45.0	1,400	46.7	38.7 - 54.8	2,300
Overweight before pregnancy	24.2	20.1 - 28.2	2,800	23.9	13.3 - 34.5	300	32.2	21.6 - 42.7	500	25.5	18.2 - 32.8	1,000	20.8	14.4 - 27.2	1,000
Obese before pregnancy	20.7	17.0 - 24.5	2,400	34.4	23.6 - 45.3	400	21.8	13.2 - 30.5	400	20.6	13.7 - 27.4	800	16.4	10.5 - 22.4	800
Inadequate weight gain during pregnancy	18.4	14.3 - 22.6	1,900	36.6	23.9 - 49.3	400	15.1	6.6 - 23.7	200	21.8	13.5 - 30.1	800	12.5	6.9 - 18.0	600
Excessive weight gain during pregnancy	43.3	38.2 - 48.5	4,500	29.9	18.8 - 40.9	300	36.2	24.6 - 47.8	500	43.3	34.1 - 52.5	1,500	49.2	40.5 - 57.8	2,200
Food insecurity during pregnancy	12.8	10.2 - 15.4	1,600	24.6	15.8 - 33.5	400	23.3	14.9 - 31.7	400	12.8	7.8 - 17.9	500	5.7	2.5 - 8.8	300
Intimate Partner Violence (IPV) and Depressive Symptoms															
Physical or psychological IPV during pregnancy	7.6	5.1 - 10.1	900	9.0*	2.9 - 15.0	100	12.1*	4.7 - 19.6	200	10.1	4.5 - 15.7	400	3.7*	1.0 - 6.3	200
Prenatal depressive symptoms	13.5	10.4 - 16.6	1,600	18.7	10.1 - 27.4	300	20.2	11.9 - 28.5	400	14.8	8.9 - 20.7	600	8.7	4.2 - 13.3	400
Postpartum depressive symptoms	13.8	10.7 - 16.9	1,700	18.2	10.5 - 25.9	300	15.0	8.0 - 22.0	300	15.7	9.0 - 22.4	600	10.7	6.5 - 15.0	500
Hardships and Support during Pregnancy															
Experienced two or more hardships during childhood	23.0	19.2 - 26.8	2,700	35.7	25.2 - 46.2	500	30.4	20.2 - 40.5	500	31.6	23.6 - 39.6	1,200	10.2	6.1 - 14.3	500
Homeless or did not have a regular place to sleep	2.9	1.7 - 4.1	400	6.0*	0.8 - 11.1	<100	6.0*	1.6 - 10.4	100	3.5*	1.2 - 5.9	100	--		
Moved due to problems paying rent or mortgage	6.5	4.5 - 8.4	800	12.0	5.0 - 19.0	200	8.2*	2.7 - 13.7	100	6.9	3.0 - 10.8	300	4.0*	1.5 - 6.4	200
Woman or partner lost job	14.0	10.9 - 17.1	1,700	21.3	12.4 - 30.1	300	21.3	12.8 - 29.8	400	16.3	9.8 - 22.8	600	7.5	3.5 - 11.5	400
Woman or partner had pay or hours cut back	10.6	7.4 - 13.8	1,300	14.6	6.7 - 22.5	200	10.5*	4.1 - 16.8	200	15.0	7.8 - 22.3	600	6.1*	2.2 - 10.1	300
Became separated or divorced	6.5	4.3 - 8.7	800	10.6*	3.8 - 17.4	200	11.1*	4.3 - 17.8	200	8.0*	2.8 - 13.2	300	2.6*	0.8 - 4.4	100
Had no practical or emotional support	4.1	2.4 - 5.7	500	11.3*	4.6 - 17.9	200	8.4*	1.7 - 15.2	100	2.5*	0.2 - 4.9	<100	--		
Substance Use															
Any smoking, 3 months before pregnancy	9.0	6.6 - 11.4	1,100	9.7*	3.2 - 16.2	100	14.3	6.9 - 21.6	200	13.2	7.7 - 18.6	500	3.8*	1.5 - 6.1	200
Any smoking, 3rd trimester†	2.3	1.1 - 3.4	300	--			--			3.0*	0.5 - 5.5	100	--		
Any smoking, postpartum	4.7	3.0 - 6.3	600	7.3*	1.2 - 13.4	100	10.4*	4.0 - 16.9	200	5.9	2.6 - 9.3	200	--		
Any binge drinking, 3 months before pregnancy	14.6	11.2 - 18.0	1,800	12.3*	4.0 - 20.7	200	11.4	4.8 - 18.0	200	17.4	10.7 - 24.0	700	14.5	8.9 - 20.0	700
Any alcohol use, 3rd trimester†	9.1	6.3 - 11.8	1,100	--			5.4*	0.3 - 10.6	<100	6.1*	1.7 - 10.5	200	14.9	9.4 - 20.5	700
Pregnancy Intention and Family Planning															
Mistimed or unwanted pregnancy	27.3	23.1 - 31.4	3,300	41.0	30.2 - 51.8	600	31.6	21.8 - 41.4	500	34.7	26.5 - 42.9	1,300	16.0	10.1 - 21.9	800
Unsure of pregnancy intentions	11.9	9.0 - 14.9	1,500	10.9*	4.2 - 17.7	200	25.2	16.4 - 34.0	400	14.5	8.2 - 20.7	600	5.9*	2.1 - 9.6	300
Postpartum birth control use†	82.0	78.2 - 85.8	9,900	84.5	77.1 - 91.9	1,300	85.4	77.6 - 93.2	1,400	81.1	74.0 - 88.2	3,100	80.5	73.8 - 87.3	4,000
Infant Sleep and Breastfeeding															
Placed infant on back to sleep	85.3	82.1 - 88.6	10,300	79.6	71.1 - 88.1	1,200	85.8	79.4 - 92.2	1,500	81.9	75.3 - 88.5	3,200	89.6	84.7 - 94.5	4,400
Infant always or often shared bed	38.7	34.1 - 43.4	4,700	43.6	32.6 - 54.5	600	45.0	34.5 - 55.5	800	43.3	34.6 - 52.1	1,700	32.1	24.4 - 39.9	1,600
Intended to breastfeed, before birth	93.6	91.3 - 95.9	11,300	90.3*	81.8 - 98.7	1,300	85.7	78.1 - 93.4	1,500	97.6*	95.6 - 99.5	3,800	94.0*	90.2 - 97.8	4,600
Intended to breastfeed exclusively, before birth	68.4	64.0 - 72.8	8,200	47.6	36.6 - 58.6	700	57.8	47.3 - 68.3	1,000	75.1	67.8 - 82.4	2,900	73.0	65.6 - 80.4	3,600
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	87.0	84.1 - 90.0	10,400	71.5	61.2 - 81.8	1,100	77.1	67.6 - 86.5	1,300	90.9	86.7 - 95.0	3,500	91.9	87.6 - 96.1	4,500
Exclusive breastfeeding, 1 month after delivery	51.9	47.1 - 56.8	6,100	33.4	22.8 - 44.0	500	41.0	30.2 - 51.9	700	59.7	51.1 - 68.3	2,200	54.9	46.8 - 62.9	2,700
Any breastfeeding, 3 months after delivery	77.1	72.9 - 81.2	7,400	68.4	57.4 - 79.3	800	54.0	42.3 - 65.7	800	79.1	71.8 - 86.3	2,400	86.4	80.3 - 92.4	3,400
Exclusive breastfeeding, 3 months after delivery	35.6	30.2 - 40.9	3,400	18.2	9.4 - 27.1	200	17.3	8.5 - 26.2	200	41.3	31.1 - 51.4	1,200	42.3	33.1 - 51.4	1,700



MIHA Data Snapshot, Contra Costa County by Education, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa 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	76.3	72.7 - 79.9	9,300	62.0	51.8 - 72.3	900	59.3	48.8 - 69.7	1,000	79.6	73.6 - 85.6	3,100	83.6	77.8 - 89.4	4,100
Initiated prenatal care in 1st trimester	89.9	87.2 - 92.5	10,800	81.5	73.4 - 89.6	1,200	87.3	80.1 - 94.5	1,500	87.1	81.4 - 92.8	3,400	95.3 *	92.1 - 98.5	4,700
Mom or infant needed but couldn't afford care postpartum	10.6	7.7 - 13.4	1,300	18.4	10.8 - 26.0	300	12.1	5.5 - 18.7	200	13.2	6.6 - 19.9	500	5.6	2.5 - 8.8	300
Participated in WIC during pregnancy†	39.7	36.6 - 42.8	4,700	83.3	74.9 - 91.6	1,200	79.0	69.3 - 88.7	1,400	38.6	31.0 - 46.3	1,500	12.4	7.9 - 17.0	600
Received CalFresh (food stamps) during pregnancy	16.9	14.3 - 19.5	2,000	48.0	37.3 - 58.8	700	29.0	20.1 - 37.9	500	14.7	9.9 - 19.5	600	5.2	2.2 - 8.2	300
Pre-pregnancy insurance															
Medi-Cal	19.0	16.0 - 22.0	2,300	49.2	38.4 - 60.0	700	34.8	25.2 - 44.5	600	19.9	13.2 - 26.5	800	3.8	1.8 - 5.9	200
Uninsured	16.5	13.7 - 19.4	2,000	35.9	25.5 - 46.3	500	34.8	24.6 - 45.0	600	14.9	9.6 - 20.2	600	5.2	2.4 - 8.1	300
Private	62.2	58.8 - 65.7	7,600	14.4	6.2 - 22.6	200	28.3	18.3 - 38.3	500	63.4	55.5 - 71.3	2,500	87.6	83.6 - 91.7	4,300
Prenatal insurance															
Medi-Cal	36.2	32.8 - 39.5	4,400	81.7	72.9 - 90.4	1,200	73.5	63.7 - 83.3	1,300	38.0	30.0 - 46.1	1,500	8.1	4.9 - 11.2	400
Uninsured	2.0	0.9 - 3.2	200	3.7 *	0.3 - 7.1	<100	--			2.9 *	0.5 - 5.3	100	--		
Private	59.5	55.9 - 63.0	7,200	13.6 *	5.4 - 21.8	200	24.2	14.5 - 33.8	400	57.9	49.7 - 66.1	2,300	86.6	82.2 - 91.0	4,300
Maternal postpartum insurance															
Medi-Cal	30.5	27.2 - 33.8	3,700	68.8	58.7 - 79.0	1,000	66.1	56.0 - 76.3	1,100	32.9	25.2 - 40.5	1,300	5.6	3.1 - 8.1	300
Uninsured	6.6	4.7 - 8.5	800	14.1	7.1 - 21.1	200	12.5	6.2 - 18.8	200	4.4 *	1.7 - 7.0	200	3.7 *	1.0 - 6.4	200
Private	60.9	57.5 - 64.4	7,400	16.2	7.6 - 24.7	200	21.4	12.1 - 30.7	400	61.4	53.5 - 69.4	2,400	87.3	83.1 - 91.5	4,300
Infant health insurance															
Medi-Cal	39.8	36.4 - 43.2	4,800	80.6	71.6 - 89.7	1,200	78.6	69.1 - 88.1	1,300	41.9	33.8 - 50.1	1,600	13.3	8.9 - 17.6	700
Uninsured	2.3	1.1 - 3.6	300	6.2 *	0.4 - 12.0	<100	--			3.2 *	0.4 - 6.0	100	--		
Private	55.7	52.0 - 59.3	6,700	10.8 *	3.5 - 18.1	200	18.9	9.6 - 28.2	300	53.1	44.7 - 61.5	2,100	83.2	78.3 - 88.1	4,100
Maternal Demographics															
Unmarried	31.7	27.9 - 35.4	3,800	52.2	41.4 - 63.0	800	58.3	47.7 - 68.9	1,000	40.1	31.9 - 48.2	1,600	9.7	5.8 - 13.6	500
Race/Ethnicity															
White	38.4	33.9 - 42.9	4,500	11.1	4.7 - 17.4	200	19.5	10.5 - 28.5	300	40.6	31.8 - 49.4	1,500	51.8	43.6 - 60.1	2,400
Hispanic	34.6	30.6 - 38.6	4,100	74.5	66.1 - 83.0	1,100	57.2	46.7 - 67.6	1,000	36.7	28.1 - 45.4	1,400	12.0	7.4 - 16.7	600
Asian/Pacific Islander	17.6	13.2 - 22.0	2,100	--			6.6 *	0.3 - 13.0	100	12.3	5.2 - 19.5	500	30.9	22.5 - 39.2	1,500
Black	9.1	8.1 - 10.2	1,100	12.4	6.7 - 18.2	200	16.7	10.4 - 23.0	300	9.9	6.6 - 13.1	400	4.9	3.3 - 6.6	200
Born outside the U.S.	36.3	31.8 - 40.9	4,400	67.0	57.1 - 77.0	1,000	40.5	30.5 - 50.6	700	24.7	16.7 - 32.8	1,000	34.3	26.3 - 42.2	1,700
Speaks non-English language at home	27.4	23.4 - 31.4	3,300	64.2	54.0 - 74.4	1,000	37.4	27.6 - 47.1	600	19.6	12.1 - 27.0	800	18.4	11.9 - 25.0	900
Lives in a high poverty neighborhood	25.6	22.1 - 29.1	3,100	64.8	54.5 - 75.2	900	46.6	36.1 - 57.1	800	21.1	14.9 - 27.2	800	10.3	5.7 - 15.0	500
Income as a percent of the Federal Poverty Guideline															
0-100%	27.6	24.5 - 30.7	3,100	80.9	70.2 - 91.6	1,000	67.1	56.2 - 78.0	1,000	21.6	15.7 - 27.5	800	5.6	3.0 - 8.1	300
101-200%	18.1	14.3 - 21.9	2,100	16.9 *	6.4 - 27.4	200	18.1	9.8 - 26.3	300	28.7	20.3 - 37.0	1,100	10.5	6.2 - 14.8	500
> 200%	54.3	50.4 - 58.1	6,200	--			14.8 *	5.9 - 23.7	200	49.8	41.0 - 58.5	1,900	83.9	79.1 - 88.8	4,000

-- 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 Contra Costa County was 635. 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, Contra Costa County by Income, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa 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		12,200	27.6	24.5 - 30.7	3,100	18.1	14.3 - 21.9	2,100	54.3	50.4 - 58.1	6,200
Health Status before Pregnancy												
In good to excellent health	92.6	90.4 - 94.8	11,200	84.9	79.8 - 90.1	2,600	89.8 *	83.1 - 96.5	1,900	--		
Chronic conditions												
Diabetes†	2.5	1.2 - 3.8	300	5.7 *	2.3 - 9.2	200	--			--		
Hypertension†	3.3	1.8 - 4.9	400	1.7 *	0.2 - 3.2	<100	6.3 *	0.9 - 11.8	100	2.9 *	0.7 - 5.2	200
Asthma†	8.0	5.6 - 10.5	1,000	9.7	5.3 - 14.2	300	8.7 *	2.9 - 14.5	200	6.9	3.3 - 10.5	400
Nutrition and Weight												
Daily folic acid use, month before pregnancy	36.8	32.2 - 41.5	4,500	23.3	17.0 - 29.6	700	25.5	15.2 - 35.7	500	46.8	39.4 - 54.3	2,900
Overweight before pregnancy	24.2	20.1 - 28.2	2,800	27.4	20.4 - 34.4	800	33.1	22.2 - 44.1	700	20.0	14.4 - 25.7	1,200
Obese before pregnancy	20.7	17.0 - 24.5	2,400	25.8	19.0 - 32.7	700	29.4	18.7 - 40.0	600	14.8	9.8 - 19.8	900
Inadequate weight gain during pregnancy	18.4	14.3 - 22.6	1,900	27.4	19.7 - 35.2	700	20.1	9.1 - 31.1	400	13.5	7.8 - 19.1	800
Excessive weight gain during pregnancy	43.3	38.2 - 48.5	4,500	33.0	24.9 - 41.0	800	51.8	39.2 - 64.3	900	46.1	38.3 - 53.8	2,600
Food insecurity during pregnancy	12.8	10.2 - 15.4	1,600	26.2	19.9 - 32.4	800	23.1	13.8 - 32.5	500	2.3 *	0.4 - 4.1	100
Intimate Partner Violence (IPV) and Depressive Symptoms												
Physical or psychological IPV during pregnancy	7.6	5.1 - 10.1	900	14.6	9.4 - 19.7	500	13.8 *	3.9 - 23.7	300	2.3 *	0.3 - 4.3	100
Prenatal depressive symptoms	13.5	10.4 - 16.6	1,600	24.7	18.2 - 31.3	800	16.1	7.3 - 24.9	300	7.1	3.3 - 10.9	400
Postpartum depressive symptoms	13.8	10.7 - 16.9	1,700	19.9	14.2 - 25.5	600	15.8	7.3 - 24.3	300	9.4	5.1 - 13.7	600
Hardships and Support during Pregnancy												
Experienced two or more hardships during childhood	23.0	19.2 - 26.8	2,700	37.2	29.9 - 44.5	1,100	19.9	11.8 - 28.0	400	17.9	12.4 - 23.4	1,100
Homeless or did not have a regular place to sleep	2.9	1.7 - 4.1	400	8.6	4.9 - 12.3	300	1.8 *	0.1 - 3.6	<100	--		
Moved due to problems paying rent or mortgage	6.5	4.5 - 8.4	800	14.7	9.5 - 19.8	500	5.0 *	1.4 - 8.5	100	3.1 *	0.6 - 5.6	200
Woman or partner lost job	14.0	10.9 - 17.1	1,700	27.9	21.0 - 34.7	900	20.5	10.3 - 30.8	400	5.6	2.3 - 8.9	300
Woman or partner had pay or hours cut back	10.6	7.4 - 13.8	1,300	11.5	6.8 - 16.3	400	21.2	10.3 - 32.2	400	7.1	2.9 - 11.2	400
Became separated or divorced	6.5	4.3 - 8.7	800	14.0	8.8 - 19.2	400	10.4 *	1.5 - 19.2	200	1.8 *	0.4 - 3.1	100
Had no practical or emotional support	4.1	2.4 - 5.7	500	11.2	6.1 - 16.3	400	--			--		
Substance Use												
Any smoking, 3 months before pregnancy	9.0	6.6 - 11.4	1,100	13.6	8.3 - 19.0	400	12.0	5.7 - 18.2	200	6.3	3.1 - 9.5	400
Any smoking, 3rd trimester†	2.3	1.1 - 3.4	300	3.1 *	0.1 - 6.0	<100	4.4 *	1.3 - 7.5	<100	--		
Any smoking, postpartum	4.7	3.0 - 6.3	600	11.2	6.2 - 16.2	400	3.7 *	0.9 - 6.5	<100	2.0 *	0.3 - 3.7	100
Any binge drinking, 3 months before pregnancy	14.6	11.2 - 18.0	1,800	11.2	6.4 - 15.9	300	14.8	7.8 - 21.9	300	18.1	12.3 - 23.9	1,100
Any alcohol use, 3rd trimester†	9.1	6.3 - 11.8	1,100	3.8 *	0.8 - 6.7	100	--			13.8	8.9 - 18.7	800
Pregnancy Intention and Family Planning												
Mistimed or unwanted pregnancy	27.3	23.1 - 31.4	3,300	40.4	33.0 - 47.9	1,300	30.8	19.9 - 41.8	600	20.5	14.6 - 26.3	1,300
Unsure of pregnancy intentions	11.9	9.0 - 14.9	1,500	19.0	12.9 - 25.0	600	16.2	8.1 - 24.4	300	7.6	3.6 - 11.6	500
Postpartum birth control use†	82.0	78.2 - 85.8	9,900	83.3	77.7 - 89.0	2,600	86.5	79.0 - 94.0	1,700	81.6	75.5 - 87.7	5,000
Infant Sleep and Breastfeeding												
Placed infant on back to sleep	85.3	82.1 - 88.6	10,300	80.0	74.0 - 85.9	2,500	86.9	79.4 - 94.4	1,800	88.2	83.3 - 93.0	5,400
Infant always or often shared bed	38.7	34.1 - 43.4	4,700	47.1	39.4 - 54.7	1,400	37.1	26.3 - 48.0	800	33.3	26.1 - 40.4	2,100
Intended to breastfeed, before birth	93.6	91.3 - 95.9	11,300	92.8	88.8 - 96.7	2,800	88.5 *	80.9 - 96.1	1,800	95.2 *	92.1 - 98.2	5,900
Intended to breastfeed exclusively, before birth	68.4	64.0 - 72.8	8,200	59.4	51.9 - 66.9	1,800	63.0	51.8 - 74.2	1,300	74.6	67.9 - 81.2	4,600
Breastfeeding practices												
Any breastfeeding, 1 month after delivery	87.0	84.1 - 90.0	10,400	76.3	69.5 - 83.0	2,300	81.4	72.8 - 90.0	1,600	93.6	90.2 - 97.0	5,700
Exclusive breastfeeding, 1 month after delivery	51.9	47.1 - 56.8	6,100	42.0	34.3 - 49.8	1,200	41.4	29.9 - 52.8	800	61.4	54.2 - 68.5	3,800
Any breastfeeding, 3 months after delivery	77.1	72.9 - 81.2	7,400	60.6	52.1 - 69.0	1,500	79.5	70.6 - 88.4	1,100	83.8	77.9 - 89.7	4,100
Exclusive breastfeeding, 3 months after delivery	35.6	30.2 - 40.9	3,400	20.5	13.4 - 27.6	500	30.9	18.4 - 43.4	400	45.4	37.0 - 53.7	2,300



MIHA Data Snapshot, Contra Costa County by Income, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa 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	76.3	72.7 - 79.9		9,300	59.0	51.6 - 66.4	1,800	77.3	69.0 - 85.6	1,600	86.1	81.1 - 91.0	5,300
Initiated prenatal care in 1st trimester	89.9	87.2 - 92.5		10,800	82.8	76.8 - 88.7	2,500	81.0	71.3 - 90.6	1,700	97.7*	95.6 - 99.8	6,000
Mom or infant needed but couldn't afford care postpartum	10.6	7.7 - 13.4		1,300	16.2	11.0 - 21.4	500	18.8	8.4 - 29.2	400	4.8*	1.7 - 7.9	300
Participated in WIC during pregnancy†	39.7	36.6 - 42.8		4,700	85.7	80.4 - 91.0	2,700	55.0	43.6 - 66.4	1,100	7.1	3.7 - 10.5	400
Received CalFresh (food stamps) during pregnancy	16.9	14.3 - 19.5		2,000	49.4	41.8 - 57.0	1,500	14.1	7.2 - 20.9	300	2.0*	0.5 - 3.6	100
Pre-pregnancy insurance													
Medi-Cal	19.0	16.0 - 22.0		2,300	45.4	37.9 - 53.0	1,400	19.2	10.9 - 27.5	400	3.6*	0.8 - 6.5	200
Uninsured	16.5	13.7 - 19.4		2,000	37.2	29.8 - 44.6	1,200	23.5	14.0 - 33.0	500	2.6*	0.7 - 4.5	200
Private	62.2	58.8 - 65.7		7,600	15.5	9.8 - 21.2	500	53.9	42.5 - 65.3	1,100	92.2	88.5 - 95.8	5,700
Prenatal insurance													
Medi-Cal	36.2	32.8 - 39.5		4,400	84.4	78.9 - 90.0	2,700	46.4	35.0 - 57.9	1,000	5.5	2.3 - 8.7	300
Uninsured	2.0	0.9 - 3.2		200	3.4*	0.9 - 6.0	100	--			--		
Private	59.5	55.9 - 63.0		7,200	12.1	7.0 - 17.2	400	46.9	35.3 - 58.4	1,000	90.7	86.7 - 94.7	5,600
Maternal postpartum insurance													
Medi-Cal	30.5	27.2 - 33.8		3,700	73.7	67.2 - 80.2	2,300	39.1	27.9 - 50.3	800	4.3*	1.3 - 7.2	300
Uninsured	6.6	4.7 - 8.5		800	14.9	9.7 - 20.0	500	8.2*	2.3 - 14.1	200	1.4*	0.0 - 2.8	<100
Private	60.9	57.5 - 64.4		7,400	11.2	6.5 - 16.0	300	49.7	38.2 - 61.1	1,000	92.1	88.5 - 95.8	5,700
Infant health insurance													
Medi-Cal	39.8	36.4 - 43.2		4,800	89.9	85.4 - 94.4	2,700	55.8	44.2 - 67.4	1,100	8.4	4.6 - 12.2	500
Uninsured	2.3	1.1 - 3.6		300	1.3*	0.2 - 2.4	<100	5.3*	0.3 - 10.3	100	--		
Private	55.7	52.0 - 59.3		6,700	7.9	3.6 - 12.1	200	37.6	26.1 - 49.1	800	88.4	84.0 - 92.7	5,500
Maternal Demographics													
Did not complete high school (or GED)	12.6	10.1 - 15.0		1,500	33.3	26.3 - 40.3	1,000	10.5*	3.5 - 17.5	200	--		
Unmarried	31.7	27.9 - 35.4		3,800	62.6	55.2 - 70.1	1,900	42.8	31.3 - 54.3	900	11.8	7.4 - 16.1	700
Race/Ethnicity													
White	38.4	33.9 - 42.9		4,500	14.9	10.0 - 19.8	500	26.7	16.6 - 36.8	500	55.5	47.9 - 63.1	3,300
Hispanic	34.6	30.6 - 38.6		4,100	61.1	54.1 - 68.1	1,900	38.7	27.3 - 50.0	700	17.8	12.1 - 23.6	1,100
Asian/Pacific Islander	17.6	13.2 - 22.0		2,100	7.3*	2.5 - 12.1	200	20.4*	8.3 - 32.4	400	23.2	16.1 - 30.3	1,400
Black	9.1	8.1 - 10.2		1,100	16.7	12.5 - 20.9	500	14.1	8.2 - 19.9	300	3.2	2.0 - 4.4	200
Born outside the U.S.	36.3	31.8 - 40.9		4,400	51.3	43.9 - 58.7	1,600	38.0	26.2 - 49.8	800	26.1	19.0 - 33.1	1,600
Speaks non-English language at home	27.4	23.4 - 31.4		3,300	46.5	39.1 - 53.9	1,500	31.3	19.5 - 43.0	600	13.6	8.1 - 19.1	800
Lives in a high poverty neighborhood	25.6	22.1 - 29.1		3,100	51.2	43.5 - 58.8	1,500	28.9	19.2 - 38.6	600	10.1	5.7 - 14.4	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 Contra Costa County was 635. 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, Contra Costa County by Maternal Age, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa 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		12,200	3.6	2.2 - 5.1	400	71.5	67.0 - 76.0	8,700	24.8	20.4 - 29.2	3,000
Health Status before Pregnancy												
In good to excellent health	92.6	90.4 - 94.8	11,200	--			91.7	88.8 - 94.5	7,900	96.3*	93.5 - 99.1	2,900
Chronic conditions												
Diabetes†	2.5	1.2 - 3.8	300	--			1.8*	0.4 - 3.2	200	4.6*	1.3 - 8.0	100
Hypertension†	3.3	1.8 - 4.9	400	--			3.5	1.5 - 5.6	300	3.3*	0.9 - 5.7	<100
Asthma†	8.0	5.6 - 10.5	1,000	--			7.8	5.0 - 10.5	700	8.3*	3.1 - 13.6	200
Nutrition and Weight												
Daily folic acid use, month before pregnancy	36.8	32.2 - 41.5	4,500	--			36.5	31.1 - 41.9	3,200	42.4	31.9 - 52.9	1,300
Overweight before pregnancy	24.2	20.1 - 28.2	2,800	25.3*	6.5 - 44.0	100	23.0	18.5 - 27.5	1,900	27.5	17.9 - 37.1	800
Obese before pregnancy	20.7	17.0 - 24.5	2,400	18.9*	2.8 - 34.9	<100	19.4	15.1 - 23.7	1,600	25.1	16.5 - 33.8	700
Inadequate weight gain during pregnancy	18.4	14.3 - 22.6	1,900	--			19.0	14.2 - 23.9	1,400	17.8	9.0 - 26.6	400
Excessive weight gain during pregnancy	43.3	38.2 - 48.5	4,500	34.3	15.5 - 53.2	100	46.4	40.4 - 52.4	3,400	35.6	24.8 - 46.4	900
Food insecurity during pregnancy	12.8	10.2 - 15.4	1,600	23.0*	7.5 - 38.5	100	12.6	9.6 - 15.6	1,100	11.8	6.0 - 17.5	400
Intimate Partner Violence (IPV) and Depressive Symptoms												
Physical or psychological IPV during pregnancy	7.6	5.1 - 10.1	900	18.7*	1.6 - 35.9	<100	6.6	3.9 - 9.3	600	8.6*	2.7 - 14.5	300
Prenatal depressive symptoms	13.5	10.4 - 16.6	1,600	23.2*	7.6 - 38.9	100	13.4	9.8 - 16.9	1,200	12.5	5.8 - 19.2	400
Postpartum depressive symptoms	13.8	10.7 - 16.9	1,700	25.6*	9.0 - 42.2	100	14.8	10.9 - 18.7	1,300	9.1	4.7 - 13.5	300
Hardships and Support during Pregnancy												
Experienced two or more hardships during childhood	23.0	19.2 - 26.8	2,700	36.2	16.1 - 56.3	200	24.9	20.3 - 29.6	2,100	15.7	9.5 - 21.9	500
Homeless or did not have a regular place to sleep	2.9	1.7 - 4.1	400	--			2.8	1.6 - 4.1	200	--		
Moved due to problems paying rent or mortgage	6.5	4.5 - 8.4	800	--			6.8	4.5 - 9.2	600	5.5*	1.3 - 9.7	200
Woman or partner lost job	14.0	10.9 - 17.1	1,700	--			14.9	11.1 - 18.6	1,300	12.5	6.2 - 18.8	400
Woman or partner had pay or hours cut back	10.6	7.4 - 13.8	1,300	--			11.5	7.6 - 15.5	1,000	9.3*	3.5 - 15.1	300
Became separated or divorced	6.5	4.3 - 8.7	800	36.6	15.5 - 57.8	200	4.2	2.1 - 6.4	400	8.7*	3.4 - 14.1	300
Had no practical or emotional support	4.1	2.4 - 5.7	500	--			4.0	2.0 - 6.0	300	4.3*	1.1 - 7.5	100
Substance Use												
Any smoking, 3 months before pregnancy	9.0	6.6 - 11.4	1,100	21.7*	4.9 - 38.6	<100	9.8	6.8 - 12.8	800	4.9*	1.6 - 8.2	100
Any smoking, 3rd trimester†	2.3	1.1 - 3.4	300	--			2.6*	1.0 - 4.1	200	--		
Any smoking, postpartum	4.7	3.0 - 6.3	600	18.6*	2.4 - 34.9	<100	4.6	2.6 - 6.5	400	2.9*	0.5 - 5.4	<100
Any binge drinking, 3 months before pregnancy	14.6	11.2 - 18.0	1,800	--			16.6	12.4 - 20.8	1,400	9.0*	3.2 - 14.9	300
Any alcohol use, 3rd trimester†	9.1	6.3 - 11.8	1,100	--			9.6	6.2 - 12.9	800	9.0*	3.5 - 14.5	300
Pregnancy Intention and Family Planning												
Mistimed or unwanted pregnancy	27.3	23.1 - 31.4	3,300	70.5*	52.1 - 88.8	300	27.7	22.9 - 32.6	2,400	19.5	11.5 - 27.5	600
Unsure of pregnancy intentions	11.9	9.0 - 14.9	1,500	18.0*	2.5 - 33.4	<100	12.1	8.7 - 15.5	1,100	10.6*	4.2 - 17.0	300
Postpartum birth control use†	82.0	78.2 - 85.8	9,900	77.4*	59.6 - 95.3	300	83.1	78.7 - 87.4	7,100	79.7	71.0 - 88.3	2,400
Infant Sleep and Breastfeeding												
Placed infant on back to sleep	85.3	82.1 - 88.6	10,300	--			84.3	80.5 - 88.0	7,300	87.4	80.3 - 94.4	2,600
Infant always or often shared bed	38.7	34.1 - 43.4	4,700	42.7	22.7 - 62.7	200	36.1	30.9 - 41.4	3,100	45.5	35.1 - 55.9	1,400
Intended to breastfeed, before birth	93.6	91.3 - 95.9	11,300	--			93.3	90.6 - 96.1	8,000	94.5*	90.3 - 98.8	2,800
Intended to breastfeed exclusively, before birth	68.4	64.0 - 72.8	8,200	61.0	41.3 - 80.8	300	70.7	65.8 - 75.6	6,100	62.8	52.5 - 73.1	1,900
Breastfeeding practices												
Any breastfeeding, 1 month after delivery	87.0	84.1 - 90.0	10,400	51.6	30.7 - 72.5	200	88.8	85.5 - 92.0	7,600	87.3	81.3 - 93.2	2,600
Exclusive breastfeeding, 1 month after delivery	51.9	47.1 - 56.8	6,100	22.9*	7.6 - 38.2	100	54.8	49.2 - 60.3	4,600	48.2	37.4 - 58.9	1,400
Any breastfeeding, 3 months after delivery	77.1	72.9 - 81.2	7,400	40.4	18.4 - 62.4	100	77.8	72.9 - 82.7	5,200	79.9	71.7 - 88.0	2,100
Exclusive breastfeeding, 3 months after delivery	35.6	30.2 - 40.9	3,400	--			37.7	31.4 - 44.0	2,500	33.6	22.5 - 44.7	900



MIHA Data Snapshot, Contra Costa County by Maternal Age, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa 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	76.3	72.7 - 79.9		9,300	71.5*	53.3 - 89.7	300	74.0	69.7 - 78.4	6,400	83.6	76.1 - 91.1	2,500
Initiated prenatal care in 1st trimester	89.9	87.2 - 92.5		10,800	68.8	51.1 - 86.6	300	89.7	86.4 - 92.9	7,700	93.5*	88.9 - 98.2	2,800
Mom or infant needed but couldn't afford care postpartum	10.6	7.7 - 13.4		1,300	13.0*	0.7 - 25.4	<100	11.1	7.5 - 14.7	900	8.7	4.2 - 13.1	300
Participated in WIC during pregnancy†	39.7	36.6 - 42.8		4,700	--			42.0	37.8 - 46.2	3,600	24.6	17.3 - 32.0	700
Received CalFresh (food stamps) during pregnancy	16.9	14.3 - 19.5		2,000	45.2	24.9 - 65.5	200	17.5	14.2 - 20.8	1,500	11.1	6.4 - 15.7	300
Pre-pregnancy insurance													
Medi-Cal	19.0	16.0 - 22.0		2,300	53.2	32.9 - 73.6	200	17.9	14.5 - 21.4	1,600	16.9	10.2 - 23.7	500
Uninsured	16.5	13.7 - 19.4		2,000	19.7*	4.1 - 35.3	<100	18.9	15.1 - 22.6	1,600	9.4	5.2 - 13.6	300
Private	62.2	58.8 - 65.7		7,600	27.1*	8.3 - 45.8	100	60.3	55.8 - 64.7	5,200	73.0	65.3 - 80.7	2,200
Prenatal insurance													
Medi-Cal	36.2	32.8 - 39.5		4,400	69.3*	50.0 - 88.6	300	37.7	33.4 - 42.1	3,300	26.8	19.1 - 34.4	800
Uninsured	2.0	0.9 - 3.2		200	--			2.4*	0.9 - 4.0	200	--		
Private	59.5	55.9 - 63.0		7,200	27.0*	8.2 - 45.7	100	57.1	52.5 - 61.6	5,000	71.1	63.1 - 79.0	2,100
Maternal postpartum insurance													
Medi-Cal	30.5	27.2 - 33.8		3,700	84.1*	70.8 - 97.4	400	30.4	26.1 - 34.8	2,600	22.8	15.9 - 29.7	700
Uninsured	6.6	4.7 - 8.5		800	--			8.1	5.6 - 10.7	700	2.1*	0.3 - 3.8	<100
Private	60.9	57.5 - 64.4		7,400	--			59.1	54.6 - 63.7	5,100	73.8	66.5 - 81.0	2,200
Infant health insurance													
Medi-Cal	39.8	36.4 - 43.2		4,800	88.0*	77.1 - 99.0	400	41.1	36.6 - 45.6	3,500	28.9	20.9 - 36.8	900
Uninsured	2.3	1.1 - 3.6		300	--			2.8*	1.1 - 4.5	200	--		
Private	55.7	52.0 - 59.3		6,700	--			54.1	49.3 - 58.8	4,600	68.0	59.5 - 76.5	2,000
Maternal Demographics													
Did not complete high school (or GED)	12.6	10.1 - 15.0		1,500	43.4	23.4 - 63.4	200	11.8	8.8 - 14.8	1,000	10.4	5.9 - 14.9	300
Unmarried	31.7	27.9 - 35.4		3,800	--			32.0	27.5 - 36.6	2,800	21.7	14.3 - 29.1	700
Race/Ethnicity													
White	38.4	33.9 - 42.9		4,500	16.9*	3.4 - 30.4	<100	38.0	32.7 - 43.2	3,200	42.8	32.2 - 53.4	1,200
Hispanic	34.6	30.6 - 38.6		4,100	64.7	47.2 - 82.3	300	35.8	30.8 - 40.8	3,000	26.5	18.5 - 34.4	800
Asian/Pacific Islander	17.6	13.2 - 22.0		2,100	--			16.2	11.3 - 21.2	1,400	24.2	13.7 - 34.7	700
Black	9.1	8.1 - 10.2		1,100	17.5*	5.9 - 29.0	<100	9.6	7.8 - 11.3	800	6.6	3.7 - 9.4	200
Born outside the U.S.	36.3	31.8 - 40.9		4,400	19.4*	4.8 - 33.9	<100	34.5	29.3 - 39.7	3,000	44.1	33.6 - 54.6	1,300
Speaks non-English language at home	27.4	23.4 - 31.4		3,300	20.9*	4.9 - 36.9	<100	27.7	23.0 - 32.5	2,400	27.2	18.3 - 36.1	800
Lives in a high poverty neighborhood	25.6	22.1 - 29.1		3,100	36.6	17.8 - 55.4	200	25.7	21.5 - 29.9	2,200	23.6	16.1 - 31.1	700

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

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

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MIHA Data Snapshot, Contra Costa County by Neighborhood Poverty, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa 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		12,200	22.3	18.1 - 26.6	2,700	21.7	17.6 - 25.8	2,600	30.4	25.9 - 34.9	3,600	25.6	22.1 - 29.1	3,100
Health Status before Pregnancy															
In good to excellent health	92.6	90.4 - 94.8	11,200	--			93.1*	87.8 - 98.4	2,400	94.9*	91.1 - 98.6	3,400	85.7	80.5 - 90.9	2,600
Chronic conditions															
Diabetes†	2.5	1.2 - 3.8	300	--			--			--			4.0*	1.1 - 6.9	100
Hypertension†	3.3	1.8 - 4.9	400	--			--			5.8*	1.6 - 9.9	200	3.6*	1.3 - 5.9	100
Asthma†	8.0	5.6 - 10.5	1,000	9.0*	3.0 - 15.0	200	5.3*	0.3 - 10.2	100	7.9	3.7 - 12.2	300	9.3	4.7 - 14.0	300
Nutrition and Weight															
Daily folic acid use, month before pregnancy	36.8	32.2 - 41.5	4,500	40.8	29.4 - 52.2	1,100	44.6	33.7 - 55.5	1,200	35.3	26.5 - 44.0	1,300	27.8	20.4 - 35.2	800
Overweight before pregnancy	24.2	20.1 - 28.2	2,800	16.9	8.5 - 25.2	400	19.4	11.1 - 27.8	500	25.1	17.7 - 32.5	900	34.7	26.4 - 43.1	1,000
Obese before pregnancy	20.7	17.0 - 24.5	2,400	14.8	6.7 - 22.8	400	16.3	8.8 - 23.7	400	21.1	14.3 - 28.0	700	27.9	20.3 - 35.6	800
Inadequate weight gain during pregnancy	18.4	14.3 - 22.6	1,900	15.8	7.1 - 24.6	400	15.6	6.4 - 24.7	400	14.8	7.4 - 22.3	500	27.0	19.0 - 35.0	600
Excessive weight gain during pregnancy	43.3	38.2 - 48.5	4,500	42.9	30.7 - 55.1	1,000	43.7	32.4 - 55.0	1,000	45.9	36.5 - 55.2	1,500	41.5	32.2 - 50.8	900
Food insecurity during pregnancy	12.8	10.2 - 15.4	1,600	2.4*	0.2 - 4.6	<100	12.6	6.9 - 18.4	300	13.5	7.9 - 19.1	500	20.9	14.8 - 27.0	600
Intimate Partner Violence (IPV) and Depressive Symptoms															
Physical or psychological IPV during pregnancy	7.6	5.1 - 10.1	900	6.1*	0.3 - 11.9	200	8.2*	2.6 - 13.7	200	6.3*	1.6 - 11.1	200	9.5	5.2 - 13.8	300
Prenatal depressive symptoms	13.5	10.4 - 16.6	1,600	9.8*	1.5 - 18.0	300	13.8	7.3 - 20.2	400	10.0	5.4 - 14.5	400	19.3	13.3 - 25.4	600
Postpartum depressive symptoms	13.8	10.7 - 16.9	1,700	11.4*	4.1 - 18.6	300	12.0	5.7 - 18.2	300	12.7	6.7 - 18.6	500	18.0	12.3 - 23.7	500
Hardships and Support during Pregnancy															
Experienced two or more hardships during childhood	23.0	19.2 - 26.8	2,700	10.2*	4.1 - 16.3	300	22.1	14.0 - 30.1	600	27.0	19.1 - 34.9	900	31.0	23.7 - 38.4	900
Homeless or did not have a regular place to sleep	2.9	1.7 - 4.1	400	--			--			2.5*	0.3 - 4.7	<100	7.0	3.4 - 10.7	200
Moved due to problems paying rent or mortgage	6.5	4.5 - 8.4	800	3.3*	0.5 - 6.0	<100	4.0*	1.0 - 7.0	100	5.1*	1.1 - 9.1	200	13.3	8.1 - 18.6	400
Woman or partner lost job	14.0	10.9 - 17.1	1,700	--			18.1	9.1 - 27.2	500	10.4	5.7 - 15.2	400	23.1	16.6 - 29.6	700
Woman or partner had pay or hours cut back	10.6	7.4 - 13.8	1,300	8.3*	1.0 - 15.7	200	11.2*	3.2 - 19.2	300	9.9	4.6 - 15.3	400	13.1	7.5 - 18.7	400
Became separated or divorced	6.5	4.3 - 8.7	800	--			4.1*	1.3 - 6.9	100	8.5*	3.4 - 13.6	300	7.4	3.7 - 11.0	200
Had no practical or emotional support	4.1	2.4 - 5.7	500	--			--			5.0*	1.3 - 8.8	200	6.1	2.6 - 9.6	200
Substance Use															
Any smoking, 3 months before pregnancy	9.0	6.6 - 11.4	1,100	5.5*	1.3 - 9.8	100	6.9	3.1 - 10.8	200	12.6	6.8 - 18.4	400	10.0	5.7 - 14.3	300
Any smoking, 3rd trimester†	2.3	1.1 - 3.4	300	--			--			--			2.6*	0.8 - 4.3	<100
Any smoking, postpartum	4.7	3.0 - 6.3	600	--			4.7*	1.5 - 7.9	100	4.4*	1.1 - 7.7	200	7.1	3.3 - 10.9	200
Any binge drinking, 3 months before pregnancy	14.6	11.2 - 18.0	1,800	10.6*	4.4 - 16.9	300	19.9	11.3 - 28.4	500	19.5	12.2 - 26.8	700	8.0	3.6 - 12.3	200
Any alcohol use, 3rd trimester†	9.1	6.3 - 11.8	1,100	16.4	8.3 - 24.4	400	6.7*	1.4 - 11.9	200	10.9	5.2 - 16.6	400	--		
Pregnancy Intention and Family Planning															
Mistimed or unwanted pregnancy	27.3	23.1 - 31.4	3,300	20.2	10.9 - 29.5	500	25.7	16.6 - 34.9	700	27.2	19.7 - 34.6	1,000	35.0	27.3 - 42.8	1,100
Unsure of pregnancy intentions	11.9	9.0 - 14.9	1,500	5.3*	0.2 - 10.4	100	9.5*	3.1 - 15.9	200	14.0	8.0 - 19.9	500	16.8	10.9 - 22.8	500
Postpartum birth control use†	82.0	78.2 - 85.8	9,900	78.7	69.1 - 88.3	2,100	78.3	68.7 - 87.9	2,000	83.9	76.8 - 91.0	3,000	85.0	79.8 - 90.2	2,600
Infant Sleep and Breastfeeding															
Placed infant on back to sleep	85.3	82.1 - 88.6	10,300	91.5*	85.1 - 98.0	2,400	82.7	74.4 - 90.9	2,100	84.7	78.6 - 90.9	3,000	81.6	76.0 - 87.2	2,500
Infant always or often shared bed	38.7	34.1 - 43.4	4,700	34.7	23.4 - 46.1	900	37.1	26.8 - 47.4	900	39.7	31.1 - 48.4	1,400	43.6	35.6 - 51.6	1,300
Intended to breastfeed, before birth	93.6	91.3 - 95.9	11,300	--			92.3*	86.2 - 98.3	2,300	96.7*	93.9 - 99.5	3,500	87.0	80.9 - 93.1	2,600
Intended to breastfeed exclusively, before birth	68.4	64.0 - 72.8	8,200	76.5	66.6 - 86.5	2,000	74.1	64.2 - 83.9	1,900	73.7	66.0 - 81.3	2,600	52.7	44.5 - 60.9	1,600
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	87.0	84.1 - 90.0	10,400	93.4*	88.9 - 97.9	2,500	88.5	81.9 - 95.1	2,200	89.0	83.8 - 94.2	3,100	77.4	70.4 - 84.4	2,300
Exclusive breastfeeding, 1 month after delivery	51.9	47.1 - 56.8	6,100	55.8	44.3 - 67.4	1,500	50.6	39.7 - 61.6	1,200	56.2	47.5 - 64.9	2,000	45.7	37.3 - 54.1	1,300
Any breastfeeding, 3 months after delivery	77.1	72.9 - 81.2	7,400	86.1*	77.6 - 94.7	1,700	80.8	71.8 - 89.8	1,600	77.5	69.6 - 85.3	2,200	67.7	59.6 - 75.8	1,700
Exclusive breastfeeding, 3 months after delivery	35.6	30.2 - 40.9	3,400	44.2	30.8 - 57.6	900	33.8	22.5 - 45.1	700	41.3	31.3 - 51.4	1,200	26.1	17.5 - 34.7	600



MIHA Data Snapshot, Contra Costa County by Neighborhood Poverty, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa 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	76.3	72.7 - 79.9	9,300	73.3	63.4 - 83.3	1,900	82.4	75.3 - 89.6	2,100	81.8	75.8 - 87.7	3,000	67.9	60.7 - 75.1	2,100
Initiated prenatal care in 1st trimester	89.9	87.2 - 92.5	10,800	--			87.5	80.5 - 94.5	2,200	91.9	87.3 - 96.5	3,300	85.1	79.9 - 90.4	2,600
Mom or infant needed but couldn't afford care postpartum	10.6	7.7 - 13.4	1,300	4.9*	1.1 - 8.7	100	12.4*	4.0 - 20.9	300	10.6	5.2 - 16.0	400	14.1	9.3 - 19.0	400
Participated in WIC during pregnancy†	39.7	36.6 - 42.8	4,700	11.1*	3.9 - 18.3	300	23.7	15.9 - 31.5	600	41.4	33.7 - 49.0	1,400	75.0	67.4 - 82.5	2,200
Received CalFresh (food stamps) during pregnancy	16.9	14.3 - 19.5	2,000	4.0*	1.1 - 6.9	100	8.9	4.1 - 13.8	200	16.2	10.8 - 21.6	600	33.4	26.2 - 40.5	1,000
Pre-pregnancy insurance															
Medi-Cal	19.0	16.0 - 22.0	2,300	--			10.5	5.8 - 15.1	300	20.4	13.9 - 26.9	700	36.1	28.8 - 43.5	1,100
Uninsured	16.5	13.7 - 19.4	2,000	10.4	4.4 - 16.4	300	14.0	7.0 - 21.0	400	13.6	8.8 - 18.4	500	26.4	19.6 - 33.1	800
Private	62.2	58.8 - 65.7	7,600	83.0	75.2 - 90.8	2,200	72.9	64.5 - 81.3	1,900	62.1	54.4 - 69.9	2,300	36.6	28.5 - 44.7	1,100
Prenatal insurance															
Medi-Cal	36.2	32.8 - 39.5	4,400	14.5	6.4 - 22.7	400	25.3	17.4 - 33.1	600	32.4	25.1 - 39.7	1,200	67.5	59.5 - 75.5	2,100
Uninsured	2.0	0.9 - 3.2	200	--			--			4.1*	0.8 - 7.3	100	--		
Private	59.5	55.9 - 63.0	7,200	80.8	72.1 - 89.4	2,100	71.8	63.4 - 80.1	1,800	60.8	52.8 - 68.7	2,200	30.1	22.1 - 38.0	900
Maternal postpartum insurance															
Medi-Cal	30.5	27.2 - 33.8	3,700	9.3	4.0 - 14.6	200	23.4	14.6 - 32.1	600	29.1	21.8 - 36.3	1,000	54.8	46.7 - 62.8	1,700
Uninsured	6.6	4.7 - 8.5	800	--			4.6*	0.2 - 9.0	100	5.5	2.5 - 8.6	200	14.0	8.9 - 19.1	400
Private	60.9	57.5 - 64.4	7,400	87.3	81.4 - 93.3	2,300	70.0	60.5 - 79.4	1,800	62.5	54.7 - 70.3	2,200	29.7	21.7 - 37.7	900
Infant health insurance															
Medi-Cal	39.8	36.4 - 43.2	4,800	16.2	8.7 - 23.7	400	28.5	19.2 - 37.8	700	40.6	32.6 - 48.6	1,500	68.0	60.0 - 76.0	2,000
Uninsured	2.3	1.1 - 3.6	300	--			--			1.0*	0.1 - 1.9	<100	3.4*	0.3 - 6.5	100
Private	55.7	52.0 - 59.3	6,700	81.2	73.4 - 89.0	2,200	64.9	54.8 - 75.0	1,600	55.8	47.5 - 64.0	2,000	26.1	18.3 - 34.0	800
Maternal Demographics															
Age															
15-19	3.6	2.2 - 5.1	400	--			3.0*	0.4 - 5.6	<100	4.6*	1.1 - 8.0	200	5.1	2.1 - 8.0	200
20-34	71.5	67.0 - 76.0	8,700	62.3	50.5 - 74.1	1,700	74.0	64.8 - 83.3	1,900	76.7	68.8 - 84.5	2,800	72.2	65.0 - 79.3	2,200
35+	24.8	20.4 - 29.2	3,000	36.8	25.0 - 48.7	1,000	23.0	13.9 - 32.0	600	18.7	11.3 - 26.2	700	22.8	16.0 - 29.5	700
Did not complete high school (or GED)	12.6	10.1 - 15.0	1,500	2.9*	0.4 - 5.3	<100	4.3*	0.9 - 7.7	100	9.1	5.1 - 13.2	300	30.9	23.7 - 38.1	900
Unmarried	31.7	27.9 - 35.4	3,800	12.8	5.9 - 19.6	300	19.2	12.4 - 25.9	500	39.9	31.5 - 48.2	1,400	47.5	39.6 - 55.4	1,400
Race/Ethnicity															
White	38.4	33.9 - 42.9	4,500	50.3	38.7 - 62.0	1,300	43.3	32.5 - 54.1	1,100	43.0	34.3 - 51.8	1,500	16.7	10.3 - 23.1	500
Hispanic	34.6	30.6 - 38.6	4,100	13.9	6.1 - 21.7	400	19.8	12.1 - 27.6	500	35.2	26.7 - 43.7	1,200	64.3	56.8 - 71.7	1,900
Asian/Pacific Islander	17.6	13.2 - 22.0	2,100	29.9	18.4 - 41.3	800	29.1	17.3 - 40.8	700	12.4	5.9 - 19.0	400	4.9*	0.5 - 9.3	100
Black	9.1	8.1 - 10.2	1,100	5.4*	2.1 - 8.6	100	7.3	3.9 - 10.7	200	9.3	6.1 - 12.5	300	14.0	10.1 - 17.9	400
Born outside the U.S.	36.3	31.8 - 40.9	4,400	34.7	23.0 - 46.3	900	35.0	24.0 - 46.0	900	26.5	19.4 - 33.6	1,000	51.3	43.4 - 59.2	1,600
Speaks non-English language at home	27.4	23.4 - 31.4	3,300	18.4	9.0 - 27.8	500	23.9	13.6 - 34.2	600	24.1	17.2 - 31.0	900	41.3	33.6 - 49.0	1,200
Income as a percent of the Federal Poverty Guideline															
0-100%	27.6	24.5 - 30.7	3,100	8.6*	3.2 - 14.0	200	17.2	10.5 - 23.9	400	25.0	18.3 - 31.6	800	56.3	47.6 - 64.9	1,500
101-200%	18.1	14.3 - 21.9	2,100	10.3*	2.9 - 17.7	300	21.6	11.7 - 31.6	500	19.8	13.0 - 26.6	700	21.5	14.4 - 28.7	600
> 200%	54.3	50.4 - 58.1	6,200	81.1	72.4 - 89.7	2,100	61.2	50.5 - 71.8	1,500	55.2	46.8 - 63.6	1,800	22.2	14.0 - 30.4	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 Contra Costa County was 635. 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, Contra Costa County by Prenatal Health Insurance, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa County			Medi-Cal			Private		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		12,200	36.2	32.8 - 39.5	4,400	59.5	55.9 - 63.0	7,200
Health Status before Pregnancy									
In good to excellent health	92.6	90.4 - 94.8	11,200	84.9	79.9 - 89.9	3,700	96.9 *	94.8 - 98.9	7,000
Chronic conditions									
Diabetes†	2.5	1.2 - 3.8	300	4.3 *	1.7 - 6.9	200	--		
Hypertension†	3.3	1.8 - 4.9	400	3.0 *	1.2 - 4.8	100	3.8 *	1.4 - 6.3	300
Asthma†	8.0	5.6 - 10.5	1,000	9.4	5.6 - 13.2	400	7.5	4.1 - 10.9	500
Nutrition and Weight									
Daily folic acid use, month before pregnancy	36.8	32.2 - 41.5	4,500	24.2	18.5 - 29.8	1,100	45.7	38.9 - 52.5	3,300
Overweight before pregnancy	24.2	20.1 - 28.2	2,800	25.4	19.2 - 31.6	1,000	23.4	17.8 - 28.9	1,600
Obese before pregnancy	20.7	17.0 - 24.5	2,400	28.6	22.2 - 35.1	1,200	16.9	12.1 - 21.7	1,200
Inadequate weight gain during pregnancy	18.4	14.3 - 22.6	1,900	25.0	17.9 - 32.0	900	14.1	8.9 - 19.4	900
Excessive weight gain during pregnancy	43.3	38.2 - 48.5	4,500	41.9	34.1 - 49.6	1,400	44.6	37.5 - 51.6	2,900
Food insecurity during pregnancy	12.8	10.2 - 15.4	1,600	21.5	16.6 - 26.4	900	7.5	4.3 - 10.6	500
Intimate Partner Violence (IPV) and Depressive Symptoms									
Physical or psychological IPV during pregnancy	7.6	5.1 - 10.1	900	12.7	7.7 - 17.6	600	3.6 *	1.1 - 6.2	300
Prenatal depressive symptoms	13.5	10.4 - 16.6	1,600	21.1	15.4 - 26.7	900	9.0	5.4 - 12.7	700
Postpartum depressive symptoms	13.8	10.7 - 16.9	1,700	17.2	12.1 - 22.3	800	11.4	7.4 - 15.4	800
Hardships and Support during Pregnancy									
Experienced two or more hardships during childhood	23.0	19.2 - 26.8	2,700	31.4	25.2 - 37.6	1,300	17.5	12.6 - 22.3	1,200
Homeless or did not have a regular place to sleep	2.9	1.7 - 4.1	400	5.6	3.1 - 8.2	200	1.5 *	0.2 - 2.7	100
Moved due to problems paying rent or mortgage	6.5	4.5 - 8.4	800	11.6	7.4 - 15.8	500	2.9 *	1.0 - 4.7	200
Woman or partner lost job	14.0	10.9 - 17.1	1,700	25.2	19.3 - 31.0	1,100	7.4	3.7 - 11.1	500
Woman or partner had pay or hours cut back	10.6	7.4 - 13.8	1,300	11.4	6.9 - 16.0	500	9.4	5.0 - 13.9	700
Became separated or divorced	6.5	4.3 - 8.7	800	10.5	6.1 - 15.0	500	3.8 *	1.3 - 6.2	300
Had no practical or emotional support	4.1	2.4 - 5.7	500	8.3	4.5 - 12.1	400	1.8 *	0.3 - 3.3	100
Substance Use									
Any smoking, 3 months before pregnancy	9.0	6.6 - 11.4	1,100	13.8	9.0 - 18.7	600	6.4	3.8 - 9.0	500
Any smoking, 3rd trimester†	2.3	1.1 - 3.4	300	3.8 *	1.4 - 6.2	200	1.5 *	0.2 - 2.9	100
Any smoking, postpartum	4.7	3.0 - 6.3	600	8.4	4.8 - 12.0	400	2.8 *	1.1 - 4.5	200
Any binge drinking, 3 months before pregnancy	14.6	11.2 - 18.0	1,800	12.7	7.9 - 17.4	600	16.2	11.3 - 21.1	1,200
Any alcohol use, 3rd trimester†	9.1	6.3 - 11.8	1,100	3.1 *	0.9 - 5.3	100	12.8	8.4 - 17.2	900
Pregnancy Intention and Family Planning									
Mistimed or unwanted pregnancy	27.3	23.1 - 31.4	3,300	35.6	29.0 - 42.3	1,600	21.7	16.4 - 27.1	1,600
Unsure of pregnancy intentions	11.9	9.0 - 14.9	1,500	17.5	12.5 - 22.5	800	9.0	5.1 - 12.9	600
Postpartum birth control use†	82.0	78.2 - 85.8	9,900	84.2	79.5 - 88.9	3,600	80.9	75.2 - 86.5	5,800
Infant Sleep and Breastfeeding									
Placed infant on back to sleep	85.3	82.1 - 88.6	10,300	82.3	77.5 - 87.1	3,500	87.8	83.4 - 92.1	6,300
Infant always or often shared bed	38.7	34.1 - 43.4	4,700	46.5	39.6 - 53.4	2,000	34.1	27.7 - 40.6	2,500
Intended to breastfeed, before birth	93.6	91.3 - 95.9	11,300	92.0	88.0 - 95.9	4,000	94.1	91.1 - 97.1	6,700
Intended to breastfeed exclusively, before birth	68.4	64.0 - 72.8	8,200	58.9	52.1 - 65.7	2,500	73.0	66.9 - 79.0	5,200
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	87.0	84.1 - 90.0	10,400	81.0	75.7 - 86.4	3,500	90.8	87.3 - 94.3	6,500
Exclusive breastfeeding, 1 month after delivery	51.9	47.1 - 56.8	6,100	44.3	37.3 - 51.4	1,800	57.2	50.5 - 63.9	4,000
Any breastfeeding, 3 months after delivery	77.1	72.9 - 81.2	7,400	67.6	60.7 - 74.4	2,400	82.6	77.1 - 88.0	4,700
Exclusive breastfeeding, 3 months after delivery	35.6	30.2 - 40.9	3,400	25.6	18.5 - 32.7	900	42.1	34.4 - 49.8	2,400



MIHA Data Snapshot, Contra Costa County by Prenatal Health Insurance, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa 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	76.3	72.7 - 79.9		9,300	60.7	54.2 - 67.3		2,700	86.5	82.1 - 91.0		6,200
Initiated prenatal care in 1st trimester	89.9	87.2 - 92.5		10,800	79.6	73.8 - 85.5		3,400	97.5 *	95.7 - 99.2		7,000
Mom or infant needed but couldn't afford care postpartum	10.6	7.7 - 13.4		1,300	14.0	9.6 - 18.3		600	7.2	3.5 - 11.0		500
Participated in WIC during pregnancy†	39.7	36.6 - 42.8		4,700	79.3	73.6 - 85.0		3,400	14.8	11.0 - 18.6		1,000
Received CalFresh (food stamps) during pregnancy	16.9	14.3 - 19.5		2,000	39.1	32.7 - 45.4		1,700	4.2	2.0 - 6.4		300
Pre-pregnancy insurance												
Medi-Cal	19.0	16.0 - 22.0		2,300	50.6	43.7 - 57.4		2,200	--			
Uninsured	16.5	13.7 - 19.4		2,000	38.7	32.0 - 45.4		1,700	1.9 *	0.4 - 3.4		100
Private	62.2	58.8 - 65.7		7,600	8.9	4.3 - 13.4		400	97.2 *	95.4 - 99.0		7,000
Maternal postpartum insurance												
Medi-Cal	30.5	27.2 - 33.8		3,700	75.3	69.0 - 81.5		3,300	4.6 *	1.6 - 7.6		300
Uninsured	6.6	4.7 - 8.5		800	14.7	10.1 - 19.2		600	--			
Private	60.9	57.5 - 64.4		7,400	9.3	4.2 - 14.3		400	94.6	91.4 - 97.7		6,800
Infant health insurance												
Medi-Cal	39.8	36.4 - 43.2		4,800	91.0	86.4 - 95.5		3,900	9.6	5.8 - 13.3		700
Uninsured	2.3	1.1 - 3.6		300	1.7 *	0.2 - 3.3		<100	2.0 *	0.4 - 3.5		100
Private	55.7	52.0 - 59.3		6,700	6.3 *	2.1 - 10.6		300	87.5	83.2 - 91.7		6,300
Maternal Demographics												
Age												
15-19	3.6	2.2 - 5.1		400	7.0	3.8 - 10.2		300	1.7 *	0.3 - 3.0		100
20-34	71.5	67.0 - 76.0		8,700	74.6	68.7 - 80.5		3,300	68.7	62.1 - 75.2		5,000
35+	24.8	20.4 - 29.2		3,000	18.4	13.1 - 23.7		800	29.7	23.1 - 36.2		2,100
Did not complete high school (or GED)	12.6	10.1 - 15.0		1,500	28.1	22.3 - 33.9		1,200	2.8 *	1.0 - 4.7		200
Unmarried	31.7	27.9 - 35.4		3,800	56.4	49.6 - 63.2		2,500	16.4	12.0 - 20.7		1,200
Race/Ethnicity												
White	38.4	33.9 - 42.9		4,500	17.4	12.7 - 22.0		700	51.7	44.8 - 58.7		3,600
Hispanic	34.6	30.6 - 38.6		4,100	59.4	53.1 - 65.7		2,600	19.6	14.4 - 24.9		1,300
Asian/Pacific Islander	17.6	13.2 - 22.0		2,100	9.7	4.4 - 15.0		400	22.6	16.0 - 29.1		1,600
Black	9.1	8.1 - 10.2		1,100	13.5	10.7 - 16.4		600	6.0	4.4 - 7.7		400
Born outside the U.S.	36.3	31.8 - 40.9		4,400	47.7	41.0 - 54.4		2,100	28.1	21.6 - 34.7		2,000
Speaks non-English language at home	27.4	23.4 - 31.4		3,300	43.7	37.0 - 50.3		1,900	16.3	10.9 - 21.7		1,200
Lives in a high poverty neighborhood	25.6	22.1 - 29.1		3,100	48.4	41.5 - 55.2		2,100	12.9	8.8 - 17.1		900
Income as a percent of the Federal Poverty Guideline												
0-100%	27.6	24.5 - 30.7		3,100	67.2	59.9 - 74.5		2,700	5.5	3.1 - 7.9		400
101-200%	18.1	14.3 - 21.9		2,100	24.2	17.5 - 31.0		1,000	13.9	9.4 - 18.5		1,000
> 200%	54.3	50.4 - 58.1		6,200	8.5	3.7 - 13.4		300	80.6	75.7 - 85.5		5,600

-- 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 Contra Costa County was 635.

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, Contra Costa County by Race/Ethnicity, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa County			Hispanic			Black			White			Asian/Pacific Islander		
	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		12,200	34.6	30.6 - 38.6	4,100	9.1	8.1 - 10.2	1,100	38.4	33.9 - 42.9	4,500	17.6	13.2 - 22.0	2,100
Health Status before Pregnancy															
In good to excellent health	92.6	90.4 - 94.8	11,200	87.0	81.9 - 92.0	3,500	88.3	81.8 - 94.9	900	96.9*	94.6 - 99.2	4,400	--		
Chronic conditions															
Diabetes†	2.5	1.2 - 3.8	300	3.3*	1.0 - 5.6	100	--			--			--		
Hypertension†	3.3	1.8 - 4.9	400	2.3*	0.1 - 4.5	<100	7.2*	2.0 - 12.5	<100	2.8*	0.7 - 5.0	100	--		
Asthma†	8.0	5.6 - 10.5	1,000	7.6	3.6 - 11.6	300	11.3	5.2 - 17.5	100	8.4	4.2 - 12.5	400	--		
Nutrition and Weight															
Daily folic acid use, month before pregnancy	36.8	32.2 - 41.5	4,500	31.5	24.2 - 38.9	1,300	27.0	17.4 - 36.7	300	39.9	32.1 - 47.8	1,800	49.4	35.1 - 63.7	1,000
Overweight before pregnancy	24.2	20.1 - 28.2	2,800	27.3	20.2 - 34.4	1,000	28.1	18.9 - 37.4	300	25.5	18.4 - 32.5	1,100	10.9*	3.3 - 18.5	200
Obese before pregnancy	20.7	17.0 - 24.5	2,400	28.1	21.0 - 35.2	1,000	28.6	19.4 - 37.9	300	13.4	8.3 - 18.5	600	19.2	8.1 - 30.4	400
Inadequate weight gain during pregnancy	18.4	14.3 - 22.6	1,900	20.8	13.4 - 28.1	600	23.7	13.0 - 34.5	200	13.9	8.0 - 19.8	600	24.0	11.1 - 36.9	500
Excessive weight gain during pregnancy	43.3	38.2 - 48.5	4,500	39.5	30.7 - 48.2	1,200	45.4	34.1 - 56.7	400	49.3	40.9 - 57.7	2,000	35.5	21.0 - 50.1	700
Food insecurity during pregnancy	12.8	10.2 - 15.4	1,600	16.9	11.8 - 22.0	700	30.3	20.7 - 39.8	300	7.0	3.4 - 10.6	300	7.5*	1.8 - 13.1	200
Intimate Partner Violence (IPV) and Depressive Symptoms															
Physical or psychological IPV during pregnancy	7.6	5.1 - 10.1	900	9.0	4.2 - 13.8	400	12.4	5.7 - 19.1	100	6.1*	2.4 - 9.8	300	--		
Prenatal depressive symptoms	13.5	10.4 - 16.6	1,600	17.5	11.5 - 23.5	700	26.3	17.0 - 35.5	300	8.5	4.8 - 12.1	400	10.4*	1.2 - 19.6	200
Postpartum depressive symptoms	13.8	10.7 - 16.9	1,700	18.9	12.6 - 25.2	800	16.3	8.7 - 23.8	200	10.5	6.1 - 14.8	500	9.5*	2.7 - 16.4	200
Hardships and Support during Pregnancy															
Experienced two or more hardships during childhood	23.0	19.2 - 26.8	2,700	33.0	25.7 - 40.3	1,300	34.9	23.9 - 45.8	400	20.5	14.5 - 26.5	900	--		
Homeless or did not have a regular place to sleep	2.9	1.7 - 4.1	400	2.6*	0.1 - 5.2	100	14.1	7.6 - 20.6	200	1.9*	0.4 - 3.4	<100	--		
Moved due to problems paying rent or mortgage	6.5	4.5 - 8.4	800	9.9	5.4 - 14.5	400	19.3	10.7 - 27.9	200	3.0*	0.6 - 5.4	100	--		
Woman or partner lost job	14.0	10.9 - 17.1	1,700	18.0	12.3 - 23.6	700	23.2	13.6 - 32.7	200	11.0	6.6 - 15.4	500	11.4*	1.1 - 21.6	200
Woman or partner had pay or hours cut back	10.6	7.4 - 13.8	1,300	13.6	7.4 - 19.8	500	12.7	5.8 - 19.5	100	8.7	4.4 - 12.9	400	--		
Became separated or divorced	6.5	4.3 - 8.7	800	9.1	4.3 - 13.9	400	15.1	7.1 - 23.2	200	5.0*	1.5 - 8.4	200	--		
Had no practical or emotional support	4.1	2.4 - 5.7	500	7.2	3.3 - 11.2	300	5.9*	1.5 - 10.4	<100	2.4*	0.4 - 4.3	100	--		
Substance Use															
Any smoking, 3 months before pregnancy	9.0	6.6 - 11.4	1,100	7.5	3.2 - 11.8	300	19.9	11.6 - 28.2	200	8.9	5.3 - 12.6	400	--		
Any smoking, 3rd trimester†	2.3	1.1 - 3.4	300	--			7.2*	2.5 - 11.8	<100	2.8*	0.6 - 5.0	100	--		
Any smoking, postpartum	4.7	3.0 - 6.3	600	2.9*	0.4 - 5.4	100	16.6	8.6 - 24.6	200	4.8	2.0 - 7.5	200	--		
Any binge drinking, 3 months before pregnancy	14.6	11.2 - 18.0	1,800	16.8	10.3 - 23.4	700	13.6	6.4 - 20.9	100	15.6	10.3 - 21.0	700	--		
Any alcohol use, 3rd trimester†	9.1	6.3 - 11.8	1,100	3.9*	1.0 - 6.8	200	--			16.7	10.5 - 22.8	800	--		
Pregnancy Intention and Family Planning															
Mistimed or unwanted pregnancy	27.3	23.1 - 31.4	3,300	35.1	27.7 - 42.4	1,400	31.6	22.4 - 40.8	300	21.3	15.3 - 27.4	1,000	20.5	9.5 - 31.5	400
Unsure of pregnancy intentions	11.9	9.0 - 14.9	1,500	11.2	6.6 - 15.8	500	21.8	13.1 - 30.4	200	12.4	7.0 - 17.7	600	8.3*	0.6 - 16.0	200
Postpartum birth control use†	82.0	78.2 - 85.8	9,900	88.6	84.1 - 93.1	3,600	79.6	71.2 - 88.1	800	81.3	74.5 - 88.2	3,600	69.9	56.7 - 83.1	1,400
Infant Sleep and Breastfeeding															
Placed infant on back to sleep	85.3	82.1 - 88.6	10,300	87.0	82.5 - 91.5	3,500	72.0	63.1 - 80.9	800	89.6	84.5 - 94.7	4,000	83.6	74.1 - 93.1	1,700
Infant always or often shared bed	38.7	34.1 - 43.4	4,700	40.2	32.6 - 47.8	1,600	63.5	53.2 - 73.8	700	29.6	22.2 - 36.9	1,300	40.3	26.3 - 54.3	800
Intended to breastfeed, before birth	93.6	91.3 - 95.9	11,300	93.2*	88.9 - 97.4	3,700	93.3*	88.4 - 98.3	1,000	92.3	88.0 - 96.5	4,200	--		
Intended to breastfeed exclusively, before birth	68.4	64.0 - 72.8	8,200	58.7	51.1 - 66.2	2,400	66.1	56.0 - 76.2	700	79.5	73.3 - 85.8	3,600	65.2	51.5 - 78.9	1,300
Breastfeeding practices															
Any breastfeeding, 1 month after delivery	87.0	84.1 - 90.0	10,400	82.9	77.1 - 88.7	3,300	79.6	70.7 - 88.5	800	88.9	84.2 - 93.6	4,000	--		
Exclusive breastfeeding, 1 month after delivery	51.9	47.1 - 56.8	6,100	44.7	36.9 - 52.6	1,700	48.7	37.7 - 59.6	500	57.7	49.8 - 65.6	2,600	50.6	36.0 - 65.2	1,000
Any breastfeeding, 3 months after delivery	77.1	72.9 - 81.2	7,400	73.0	65.7 - 80.2	2,400	68.6	58.0 - 79.2	600	78.4	71.3 - 85.5	2,800	85.4*	74.8 - 96.1	1,300
Exclusive breastfeeding, 3 months after delivery	35.6	30.2 - 40.9	3,400	31.0	22.5 - 39.5	1,000	25.5	15.5 - 35.5	200	44.9	35.7 - 54.1	1,600	28.3	13.6 - 43.0	400

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, Contra Costa County by Race/Ethnicity, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa 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	76.3	72.7 - 79.9	9,300	67.6	61.0 - 74.2	2,800	86.9	80.9 - 92.8	900	79.7	73.8 - 85.6	3,600	80.7	69.9 - 91.5	1,700
Initiated prenatal care in 1st trimester	89.9	87.2 - 92.5	10,800	88.6	84.0 - 93.1	3,600	82.1	74.2 - 90.1	900	93.3	89.8 - 96.9	4,200	87.4 *	78.0 - 96.8	1,800
Mom or infant needed but couldn't afford care postpartum	10.6	7.7 - 13.4	1,300	15.8	10.2 - 21.3	600	9.5	4.1 - 15.0	100	6.0	3.2 - 8.9	300	11.7 *	1.5 - 22.0	200
Participated in WIC during pregnancy†	39.7	36.6 - 42.8	4,700	67.2	60.1 - 74.4	2,700	63.4	56.3 - 70.6	700	19.0	14.1 - 24.0	800	18.1	8.8 - 27.3	400
Received CalFresh (food stamps) during pregnancy	16.9	14.3 - 19.5	2,000	23.8	17.9 - 29.6	1,000	46.1	36.4 - 55.8	500	8.5	5.4 - 11.7	400	5.3 *	0.4 - 10.3	100
Pre-pregnancy insurance															
Medi-Cal	19.0	16.0 - 22.0	2,300	31.0	24.2 - 37.7	1,300	32.9	24.4 - 41.3	300	9.0	5.7 - 12.2	400	12.6 *	4.2 - 20.9	300
Uninsured	16.5	13.7 - 19.4	2,000	29.8	23.4 - 36.1	1,200	17.3	8.0 - 26.6	200	8.8	5.1 - 12.5	400	8.3 *	0.7 - 16.0	200
Private	62.2	58.8 - 65.7	7,600	38.6	31.2 - 46.0	1,600	41.3	31.3 - 51.2	400	81.0	76.1 - 85.8	3,700	75.5	64.1 - 86.9	1,600
Prenatal insurance															
Medi-Cal	36.2	32.8 - 39.5	4,400	62.8	55.6 - 70.0	2,600	54.5	45.1 - 63.9	600	16.6	12.2 - 21.1	700	20.5	9.7 - 31.3	400
Uninsured	2.0	0.9 - 3.2	200	2.6 *	0.6 - 4.5	100	--	--	--	--	--	--	--	--	--
Private	59.5	55.9 - 63.0	7,200	33.1	26.1 - 40.2	1,300	38.8	28.9 - 48.6	400	79.2	73.9 - 84.5	3,600	75.9	64.4 - 87.3	1,600
Maternal postpartum insurance															
Medi-Cal	30.5	27.2 - 33.8	3,700	49.5	42.2 - 56.8	2,000	54.2	45.0 - 63.3	600	13.6	9.6 - 17.6	600	20.7	9.3 - 32.0	400
Uninsured	6.6	4.7 - 8.5	800	14.5	9.9 - 19.0	600	7.6 *	1.0 - 14.1	<100	1.5 *	0.1 - 2.9	<100	--	--	--
Private	60.9	57.5 - 64.4	7,400	35.7	28.4 - 43.0	1,400	34.8	25.6 - 44.0	400	83.0	78.5 - 87.5	3,700	72.5	60.0 - 84.9	1,500
Infant health insurance															
Medi-Cal	39.8	36.4 - 43.2	4,800	65.3	57.9 - 72.6	2,600	66.1	57.0 - 75.1	700	18.1	13.4 - 22.8	800	29.0	16.2 - 41.9	600
Uninsured	2.3	1.1 - 3.6	300	3.5 *	0.6 - 6.3	100	--	--	--	1.6 *	0.1 - 3.1	<100	--	--	--
Private	55.7	52.0 - 59.3	6,700	30.7	23.3 - 38.1	1,200	28.8	19.8 - 37.7	300	77.5	72.0 - 83.0	3,500	66.1	52.8 - 79.4	1,400
Maternal Demographics															
Age															
15-19	3.6	2.2 - 5.1	400	7.0	3.2 - 10.8	300	7.1 *	2.4 - 11.8	<100	1.6 *	0.3 - 3.0	<100	--	--	--
20-34	71.5	67.0 - 76.0	8,700	74.3	67.9 - 80.7	3,000	75.2	66.5 - 83.9	800	71.0	63.3 - 78.7	3,200	66.1	52.1 - 80.2	1,400
35+	24.8	20.4 - 29.2	3,000	18.8	13.2 - 24.4	800	17.7	10.1 - 25.3	200	27.4	19.7 - 35.1	1,200	33.7	19.6 - 47.8	700
Did not complete high school (or GED)															
Unmarried	12.6	10.1 - 15.0	1,500	28.1	21.7 - 34.5	1,100	17.6	9.6 - 25.7	200	3.8 *	1.5 - 6.0	200	--	--	--
Born outside the U.S.	31.7	27.9 - 35.4	3,800	42.9	35.5 - 50.3	1,700	73.4	64.8 - 82.0	800	20.9	15.1 - 26.8	900	7.1 *	2.1 - 12.2	100
Speaks non-English language at home	36.3	31.8 - 40.9	4,400	52.5	44.9 - 60.0	2,100	11.1 *	4.4 - 17.7	100	13.5	7.7 - 19.4	600	69.8	56.8 - 82.8	1,400
Lives in a high poverty neighborhood	27.4	23.4 - 31.4	3,300	46.6	39.2 - 54.0	1,900	7.2 *	1.5 - 12.9	<100	5.5	2.5 - 8.5	200	52.7	38.0 - 67.5	1,000
Income as a percent of the Federal Poverty Guideline															
0-100%	25.6	22.1 - 29.1	3,100	47.8	40.3 - 55.3	1,900	39.2	29.3 - 49.1	400	11.3	6.6 - 15.9	500	7.0 *	0.6 - 13.4	100
101-200%	27.6	24.5 - 30.7	3,100	51.1	43.2 - 58.9	1,900	52.9	41.8 - 64.0	500	10.7	7.2 - 14.2	500	11.2 *	3.7 - 18.8	200
> 200%	18.1	14.3 - 21.9	2,100	20.1	13.5 - 26.7	700	27.7	17.2 - 38.2	300	11.9	7.1 - 16.8	500	19.5 *	7.4 - 31.7	400
	54.3	50.4 - 58.1	6,200	28.8	21.0 - 36.6	1,100	19.4	11.9 - 27.0	200	77.3	71.7 - 82.9	3,300	69.3	56.0 - 82.5	1,400

-- 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).

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MIHA Data Snapshot, Contra Costa County by Total Live Births, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa County			First Live Birth			Second Live Birth or More		
	%	95% CI	N	%	95% CI	N	%	95% CI	N
Total	100		12,200	40.5	35.8 - 45.2	4,900	59.5	54.8 - 64.2	7,300
Health Status before Pregnancy									
In good to excellent health	92.6	90.4 - 94.8	11,200	91.6	88.0 - 95.1	4,500	93.3	90.4 - 96.2	6,700
Chronic conditions									
Diabetes†	2.5	1.2 - 3.8	300	3.0 *	0.5 - 5.4	100	2.1 *	0.7 - 3.5	200
Hypertension†	3.3	1.8 - 4.9	400	4.3 *	1.0 - 7.5	200	2.7	1.2 - 4.3	200
Asthma†	8.0	5.6 - 10.5	1,000	7.9	4.4 - 11.4	400	8.1	4.8 - 11.5	600
Nutrition and Weight									
Daily folic acid use, month before pregnancy	36.8	32.2 - 41.5	4,500	41.7	34.4 - 49.0	2,100	33.6	27.4 - 39.7	2,400
Overweight before pregnancy	24.2	20.1 - 28.2	2,800	23.4	17.2 - 29.6	1,100	24.7	19.3 - 30.0	1,700
Obese before pregnancy	20.7	17.0 - 24.5	2,400	17.0	11.6 - 22.4	800	23.4	18.2 - 28.6	1,600
Inadequate weight gain during pregnancy	18.4	14.3 - 22.6	1,900	14.6	8.7 - 20.5	600	21.2	15.5 - 26.9	1,300
Excessive weight gain during pregnancy	43.3	38.2 - 48.5	4,500	47.4	39.3 - 55.4	2,000	40.4	33.7 - 47.2	2,400
Food insecurity during pregnancy	12.8	10.2 - 15.4	1,600	11.5	7.7 - 15.4	600	13.6	10.1 - 17.2	1,000
Intimate Partner Violence (IPV) and Depressive Symptoms									
Physical or psychological IPV during pregnancy	7.6	5.1 - 10.1	900	8.3	4.1 - 12.5	400	7.0	4.0 - 10.1	500
Prenatal depressive symptoms	13.5	10.4 - 16.6	1,600	10.5	6.4 - 14.7	500	15.5	11.2 - 19.9	1,100
Postpartum depressive symptoms	13.8	10.7 - 16.9	1,700	14.7	9.8 - 19.6	700	13.1	9.1 - 17.2	1,000
Hardships and Support during Pregnancy									
Experienced two or more hardships during childhood	23.0	19.2 - 26.8	2,700	19.5	14.4 - 24.6	900	25.4	20.1 - 30.7	1,800
Homeless or did not have a regular place to sleep	2.9	1.7 - 4.1	400	3.0 *	1.1 - 5.0	100	2.8	1.3 - 4.3	200
Moved due to problems paying rent or mortgage	6.5	4.5 - 8.4	800	5.1	2.5 - 7.7	200	7.4	4.6 - 10.2	500
Woman or partner lost job	14.0	10.9 - 17.1	1,700	13.7	8.5 - 18.8	700	14.2	10.3 - 18.2	1,000
Woman or partner had pay or hours cut back	10.6	7.4 - 13.8	1,300	9.7	4.2 - 15.2	500	11.2	7.4 - 15.1	800
Became separated or divorced	6.5	4.3 - 8.7	800	8.5	4.4 - 12.7	400	5.1	2.6 - 7.6	400
Had no practical or emotional support	4.1	2.4 - 5.7	500	3.2 *	1.0 - 5.4	200	4.6	2.3 - 6.9	300
Substance Use									
Any smoking, 3 months before pregnancy	9.0	6.6 - 11.4	1,100	11.2	7.2 - 15.1	500	7.5	4.5 - 10.6	500
Any smoking, 3rd trimester†	2.3	1.1 - 3.4	300	1.6 *	0.4 - 2.7	<100	2.8 *	0.9 - 4.6	200
Any smoking, postpartum	4.7	3.0 - 6.3	600	4.5	2.1 - 6.8	200	4.8	2.5 - 7.1	300
Any binge drinking, 3 months before pregnancy	14.6	11.2 - 18.0	1,800	16.7	11.2 - 22.1	800	13.2	8.8 - 17.6	900
Any alcohol use, 3rd trimester†	9.1	6.3 - 11.8	1,100	6.2	2.8 - 9.6	300	11.0	7.0 - 15.1	800
Pregnancy Intention and Family Planning									
Mistimed or unwanted pregnancy	27.3	23.1 - 31.4	3,300	29.9	23.3 - 36.5	1,500	25.4	20.2 - 30.7	1,800
Unsure of pregnancy intentions	11.9	9.0 - 14.9	1,500	8.8	5.3 - 12.2	400	14.1	9.8 - 18.5	1,000
Postpartum birth control use†	82.0	78.2 - 85.8	9,900	76.2	69.5 - 82.9	3,700	86.0	81.5 - 90.5	6,100
Infant Sleep and Breastfeeding									
Placed infant on back to sleep	85.3	82.1 - 88.6	10,300	85.7	80.8 - 90.7	4,200	85.1	80.8 - 89.3	6,100
Infant always or often shared bed	38.7	34.1 - 43.4	4,700	35.7	28.8 - 42.5	1,700	40.7	34.5 - 47.0	2,900
Intended to breastfeed, before birth	93.6	91.3 - 95.9	11,300	95.5 *	92.7 - 98.3	4,700	92.3	89.0 - 95.6	6,600
Intended to breastfeed exclusively, before birth	68.4	64.0 - 72.8	8,200	76.0	70.0 - 81.9	3,700	63.3	57.2 - 69.3	4,500
Breastfeeding practices									
Any breastfeeding, 1 month after delivery	87.0	84.1 - 90.0	10,400	88.4	84.3 - 92.5	4,200	86.1	82.0 - 90.2	6,200
Exclusive breastfeeding, 1 month after delivery	51.9	47.1 - 56.8	6,100	45.5	37.9 - 53.0	2,100	56.2	50.0 - 62.5	4,000
Any breastfeeding, 3 months after delivery	77.1	72.9 - 81.2	7,400	77.3	71.0 - 83.6	2,900	76.9	71.4 - 82.5	4,500
Exclusive breastfeeding, 3 months after delivery	35.6	30.2 - 40.9	3,400	29.0	20.9 - 37.0	1,100	39.9	32.9 - 46.9	2,300



MIHA Data Snapshot, Contra Costa County by Total Live Births, 2013-2015

Maternal and Infant Health Assessment (MIHA) Survey

	Contra Costa 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	76.3	72.7 - 79.9		9,300	73.1	67.1 - 79.1		3,600	78.5	73.8 - 83.3		5,700
Initiated prenatal care in 1st trimester	89.9	87.2 - 92.5		10,800	90.4	86.5 - 94.3		4,400	89.5	85.8 - 93.1		6,400
Mom or infant needed but couldn't afford care postpartum	10.6	7.7 - 13.4		1,300	11.2	6.3 - 16.1		500	10.2	6.8 - 13.6		700
Participated in WIC during pregnancy†	39.7	36.6 - 42.8		4,700	38.1	31.9 - 44.2		1,900	40.9	35.9 - 45.8		2,800
Received CalFresh (food stamps) during pregnancy	16.9	14.3 - 19.5		2,000	14.5	10.2 - 18.7		700	18.6	14.9 - 22.3		1,300
Pre-pregnancy insurance												
Medi-Cal	19.0	16.0 - 22.0		2,300	8.4	5.2 - 11.6		400	26.2	21.6 - 30.8		1,900
Uninsured	16.5	13.7 - 19.4		2,000	20.8	15.7 - 25.9		1,000	13.6	10.0 - 17.2		1,000
Private	62.2	58.8 - 65.7		7,600	69.0	63.3 - 74.6		3,400	57.6	52.3 - 62.9		4,200
Prenatal insurance												
Medi-Cal	36.2	32.8 - 39.5		4,400	32.4	26.3 - 38.4		1,600	38.7	33.8 - 43.7		2,800
Uninsured	2.0	0.9 - 3.2		200	1.6 *	0.2 - 2.9		<100	2.3 *	0.6 - 4.0		200
Private	59.5	55.9 - 63.0		7,200	64.5	58.3 - 70.7		3,200	56.0	50.8 - 61.3		4,000
Maternal postpartum insurance												
Medi-Cal	30.5	27.2 - 33.8		3,700	26.9	20.9 - 32.9		1,300	32.9	28.2 - 37.7		2,400
Uninsured	6.6	4.7 - 8.5		800	7.8	4.3 - 11.3		400	5.8	3.6 - 8.0		400
Private	60.9	57.5 - 64.4		7,400	63.0	56.5 - 69.5		3,100	59.5	54.5 - 64.5		4,300
Infant health insurance												
Medi-Cal	39.8	36.4 - 43.2		4,800	37.0	30.6 - 43.5		1,800	41.7	36.6 - 46.8		3,000
Uninsured	2.3	1.1 - 3.6		300	2.9 *	0.9 - 4.9		100	1.9 *	0.3 - 3.5		100
Private	55.7	52.0 - 59.3		6,700	58.2	51.5 - 64.9		2,800	53.9	48.5 - 59.4		3,900
Maternal Demographics												
Age												
15-19	3.6	2.2 - 5.1		400	7.7	4.4 - 10.9		400	--			
20-34	71.5	67.0 - 76.0		8,700	77.9	71.8 - 84.0		3,800	67.2	61.0 - 73.4		4,900
35+	24.8	20.4 - 29.2		3,000	14.4	9.0 - 19.8		700	31.9	25.8 - 38.1		2,300
Did not complete high school (or GED)	12.6	10.1 - 15.0		1,500	7.2	4.4 - 10.0		400	16.3	12.5 - 20.1		1,200
Unmarried	31.7	27.9 - 35.4		3,800	37.5	30.8 - 44.1		1,800	27.7	22.9 - 32.4		2,000
Race/Ethnicity												
White	38.4	33.9 - 42.9		4,500	41.6	34.3 - 48.8		2,000	36.2	30.2 - 42.3		2,600
Hispanic	34.6	30.6 - 38.6		4,100	27.1	20.9 - 33.4		1,300	39.6	33.9 - 45.2		2,800
Asian/Pacific Islander	17.6	13.2 - 22.0		2,100	21.1	13.7 - 28.5		1,000	15.3	9.9 - 20.7		1,100
Black	9.1	8.1 - 10.2		1,100	9.9	7.1 - 12.8		500	8.6	6.8 - 10.4		600
Born outside the U.S.	36.3	31.8 - 40.9		4,400	34.2	26.9 - 41.5		1,700	37.8	31.9 - 43.7		2,700
Speaks non-English language at home	27.4	23.4 - 31.4		3,300	22.5	16.1 - 28.9		1,100	30.6	25.2 - 36.0		2,200
Lives in a high poverty neighborhood	25.6	22.1 - 29.1		3,100	20.0	14.8 - 25.2		1,000	29.4	24.5 - 34.4		2,100
Income as a percent of the Federal Poverty Guideline												
0-100%	27.6	24.5 - 30.7		3,100	23.0	17.9 - 28.1		1,100	30.9	26.1 - 35.6		2,100
101-200%	18.1	14.3 - 21.9		2,100	20.7	14.2 - 27.2		1,000	16.3	11.7 - 20.8		1,100
> 200%	54.3	50.4 - 58.1		6,200	56.3	49.3 - 63.3		2,600	52.8	47.2 - 58.5		3,500

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

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

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

Notes: MIHA is an annual population-based survey of California resident women with a live birth. Data from MIHA 2013-2015 were combined, resulting in a statewide sample size of 20,762. The sample size of Contra Costa County was 635. 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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