# MIHA Snapshot, Orange County 2011

Maternal and Infant Health Assessment (MIHA) Survey

MATERNAL, CHILD & ADOLESCENT HEALTH
California Department of Public Health

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

| | | Orange County | | | California | | |
|---|---|---|---|---|---|---|---|
| | | % | 95% CI | Population Estimate | % | 95% CI | Population Estimate |
| **Prior Poor Birth Outcomes** | | | | | | | |
| Prior low birth weight or preterm delivery | ♦ | 7.5 | 4.0 - 11.0 | 2,800 | 8.4 | 7.3 - 9.6 | 41,000 |
| Prior delivery by c-section | ♦ | 17.0 | 11.8 - 22.2 | 6,300 | 15.9 | 14.1 - 17.6 | 78,200 |
| **Health Status** | | | | | | | |
| In good to excellent health before pregnancy† | ♦ | 92.2 | 89.0 - 95.4 | 34,500 | 91.3 | 90.0 - 92.5 | 449,300 |
| Chronic conditions before or during pregnancy | | | | | | | |
| Diabetes or gestational diabetes | ♦ | 11.0 | 6.2 - 15.7 | 4,100 | 10.3 | 8.9 - 11.6 | 50,100 |
| Hypertension, preeclampsia or eclampsia | ♦ | 6.5 | 2.9 - 10.2 | 2,300 | 9.2 | 8.0 - 10.3 | 44,100 |
| Asthma | ♦ | 7.3 | 3.6 - 11.0 | 2,700 | 8.5 | 7.4 - 9.6 | 41,100 |
| **Nutrition and Weight** | | | | | | | |
| Daily folic acid use, month before pregnancy | ✓ | 44.5 | 37.4 - 51.6 | 16,500 | 34.4 | 32.3 - 36.4 | 168,600 |
| Overweight before pregnancy | ♦ | 25.8 | 19.5 - 32.2 | 8,800 | 26.1 | 24.1 - 28.1 | 120,100 |
| Obese before pregnancy | ♦ | 16.9 | 11.5 - 22.4 | 5,800 | 18.5 | 16.7 - 20.3 | 85,100 |
| Inadequate weight gain during pregnancy | ♦ | 21.1 | 13.9 - 28.3 | 5,900 | 16.8 | 15.0 - 18.6 | 63,300 |
| Excessive weight gain during pregnancy | ♦ | 40.4 | 32.2 - 48.5 | 11,300 | 43.9 | 41.5 - 46.2 | 165,500 |
| Food insecurity during pregnancy | ♦ | 16.2 | 11.8 - 20.6 | 6,000 | 18.4 | 16.8 - 19.9 | 90,200 |
| **Intimate Partner Violence (IPV) and Depressive Symptoms** | | | | | | | |
| Physical IPV in the year before pregnancy | ♦ | 4.6 | 1.6 - 7.5 | 1,700 | 3.2 | 2.5 - 3.9 | 15,900 |
| Physical or psychological IPV during pregnancy | ♦ | 9.3 | 5.4 - 13.2 | 3,500 | 7.7 | 6.7 - 8.7 | 37,700 |
| Prenatal depressive symptoms | ♦ | 11.1 | 6.8 - 15.3 | 4,100 | 15.2 | 13.6 - 16.8 | 74,900 |
| Postpartum depressive symptoms | ♦ | 12.7 | 8.0 - 17.3 | 4,700 | 13.5 | 12.1 - 14.9 | 66,400 |
| **Hardships and Support during Pregnancy** | | | | | | | |
| Homeless or did not have a regular place to sleep | ♦ | 2.4 | 0.3 - 4.6 | 900 | 3.0 | 2.4 - 3.5 | 14,500 |
| Moved due to problems paying rent or mortgage | ♦ | 9.2 | 5.0 - 13.3 | 3,400 | 7.4 | 6.4 - 8.4 | 36,300 |
| Woman or partner lost job | ♦ | 15.7 | 11.0 - 20.5 | 5,800 | 17.2 | 15.6 - 18.9 | 84,100 |
| Woman or partner had pay or hours cut back | ♦ | 18.7 | 13.7 - 23.6 | 6,900 | 16.6 | 15.0 - 18.2 | 80,900 |
| Became separated or divorced | ♦ | 5.2 | 2.6 - 7.8 | 1,900 | 7.5 | 6.6 - 8.5 | 36,900 |
| Had no practical or emotional support | ♦ | 3.1 | 1.3 - 5.0 | 1,200 | 5.3 | 4.4 - 6.2 | 26,200 |
| **Substance Use** | | | | | | | |
| Any smoking, 3 months before pregnancy | ♦ | 11.3 | 6.1 - 16.5 | 4,200 | 12.3 | 11.0 - 13.5 | 60,000 |
| Any smoking, 1st or 3rd trimester† | ♦ | 7.9 | 3.3 - 12.5 | 2,900 | 8.1 | 7.1 - 9.1 | 39,500 |
| Any smoking, postpartum | ♦ | 5.0 | 2.1 - 7.9 | 1,900 | 6.3 | 5.5 - 7.1 | 30,800 |
| Any binge drinking, 3 months before pregnancy | ♦ | 17.5 | 11.2 - 23.7 | 6,500 | 13.1 | 11.9 - 14.4 | 64,200 |
| Any alcohol use, 1st or 3rd trimester† | ♦ | 18.2 | 12.3 - 24.0 | 6,700 | 19.6 | 17.9 - 21.2 | 95,900 |
| **Pregnancy Intention and Family Planning** | | | | | | | |
| Mistimed or unwanted pregnancy† | ✓ | 24.8 | 18.9 - 30.6 | 9,200 | 32.1 | 30.1 - 34.1 | 157,200 |
| Unsure of pregnancy intentions† | ♦ | 10.8 | 6.2 - 15.4 | 4,000 | 11.9 | 10.4 - 13.3 | 58,200 |
| Postpartum birth control use† | ♦ | 88.4 | 83.1 - 93.8 | 28,800 | 91.1 | 89.7 - 92.4 | 395,200 |
| **Infant Sleep and Breastfeeding** | | | | | | | |
| Placed infant on back to sleep | ✓ | 80.5 | 75.5 - 85.6 | 29,900 | 73.9 | 71.9 - 75.8 | 358,200 |
| Intended to breastfeed, before birth | ♦ | 93.6 | 90.1 - 97.1 | 34,700 | 92.1 | 91.0 - 93.2 | 448,400 |
| Intended to breastfeed exclusively, before birth | ♦ | 56.1 | 49.1 - 63.1 | 20,800 | 62.3 | 60.2 - 64.4 | 303,100 |
| Breastfeeding practices | | | | | | | |
| Any breastfeeding, 1 month after delivery† | ♦ | 84.1 | 79.0 - 89.2 | 31,000 | 81.7 | 80.0 - 83.4 | 391,400 |
| Exclusive breastfeeding, 1 month after delivery† | ✗ | 30.1 | 23.2 - 37.0 | 10,900 | 38.8 | 36.6 - 40.9 | 182,300 |
| Any breastfeeding, 3 months after delivery† | ♦ | 64.7 | 57.2 - 72.1 | 18,700 | 63.7 | 61.3 - 66.2 | 240,100 |
| Exclusive breastfeeding, 3 months after delivery† | ♦ | 19.0 | 12.2 - 25.9 | 5,500 | 23.1 | 21.1 - 25.1 | 86,000 |

# MIHA Snapshot, Orange County 2011

Maternal and Infant Health Assessment (MIHA) Survey

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

| | | Orange County | | | California | | |
|---|---|---|---|---|---|---|---|
| | | % | 95% CI | Population Estimate | % | 95% CI | Population Estimate |
| **Health Care Utilization** | | | | | | | |
| Had a usual source of pre-pregnancy care | ♦ | 68.5 | 61.8 - 75.1 | 25,600 | 72.2 | 70.2 - 74.1 | 355,300 |
| Initiated prenatal care in 1st trimester† | ♦ | 87.8 | 83.1 - 92.4 | 31,800 | 85.6 | 84.1 - 87.2 | 416,100 |
| Had a postpartum medical visit | ♦ | 89.8 | 85.1 - 94.6 | 33,300 | 88.6 | 87.3 - 90.0 | 435,300 |
| Mom or infant needed but couldn't afford care postpartum | ♦ | 10.9 | 6.9 - 14.9 | 4,000 | 13.0 | 11.5 - 14.5 | 62,600 |
| **Public Program Participation and Health Insurance Coverage** | | | | | | | |
| Received CalFresh (food stamps) during pregnancy | ↓ | 13.7 | 10.0 - 17.4 | 5,100 | 22.2 | 20.6 - 23.8 | 109,000 |
| Pre-pregnancy insurance | | | | | | | |
| Medi-Cal† | ↓ | 17.2 | 13.3 - 21.1 | 6,400 | 25.6 | 23.8 - 27.3 | 125,100 |
| Uninsured† | ♦ | 24.1 | 18.9 - 29.2 | 8,900 | 23.9 | 22.3 - 25.6 | 117,200 |
| Private† | ↑ | 56.9 | 51.8 - 62.0 | 21,000 | 46.4 | 44.7 - 48.1 | 227,000 |
| Prenatal insurance | | | | | | | |
| Medi-Cal† | ↓ | 42.4 | 37.9 - 46.9 | 15,600 | 50.4 | 48.8 - 51.9 | 247,500 |
| Uninsured† | | * | | | 1.9 | 1.2 - 2.5 | 9,200 |
| Private† | ↑ | 52.4 | 47.5 - 57.2 | 19,300 | 43.2 | 41.6 - 44.8 | 212,400 |
| Maternal postpartum insurance | | | | | | | |
| Medi-Cal† | ↓ | 24.7 | 19.9 - 29.5 | 9,200 | 35.5 | 33.8 - 37.3 | 173,900 |
| Uninsured† | ↑ | 22.8 | 18.1 - 27.6 | 8,500 | 17.4 | 15.9 - 18.8 | 85,000 |
| Private† | ↑ | 51.7 | 46.7 - 56.8 | 19,200 | 43.8 | 42.1 - 45.4 | 214,300 |
| Infant health insurance | | | | | | | |
| Medi-Cal† | ↓ | 43.8 | 39.1 - 48.5 | 16,300 | 49.5 | 47.9 - 51.2 | 240,500 |
| Healthy Families† | ♦ | 7.1 | 3.2 - 11.0 | 2,600 | 5.2 | 4.4 - 6.1 | 25,400 |
| Uninsured† | | * | | | 2.4 | 1.9 - 2.9 | 11,700 |
| Private† | ↑ | 46.6 | 41.5 - 51.7 | 17,300 | 39.4 | 37.8 - 41.0 | 191,200 |
| **Maternal Demographics** | | | | | | | |
| Age | | | | | | | |
| 15-19 | ♦ | 5.9 | 3.4 - 8.4 | 2,200 | 7.7 | 6.4 - 8.9 | 37,800 |
| 20-34 | ♦ | 71.9 | 65.6 - 78.1 | 26,900 | 73.8 | 71.9 - 75.7 | 364,100 |
| 35+ | ♦ | 22.2 | 16.4 - 28.1 | 8,300 | 18.5 | 16.9 - 20.2 | 91,500 |
| Did not complete high school (or GED) | ♦ | 18.7 | 14.4 - 23.0 | 6,900 | 20.6 | 18.9 - 22.3 | 101,000 |
| Unmarried | ↓ | 30.7 | 25.2 - 36.3 | 11,400 | 42.3 | 40.4 - 44.1 | 207,800 |
| Race/Ethnicity | | | | | | | |
| Hispanic | ♦ | 49.2 | 43.4 - 54.9 | 18,100 | 50.9 | 49.1 - 52.7 | 247,100 |
| Black | ↓ | 1.3 | 1.1 - 1.5 | 500 | 6.0 | 5.6 - 6.4 | 29,100 |
| White | ♦ | 31.2 | 24.7 - 37.7 | 11,500 | 29.1 | 27.4 - 30.7 | 141,200 |
| Asian/Pacific Islander | ♦ | 18.2 | 12.3 - 24.1 | 6,700 | 13.4 | 11.8 - 14.9 | 64,900 |
| Nativity and Language | | | | | | | |
| Born outside the U.S. | ↑ | 47.4 | 40.5 - 54.3 | 17,700 | 39.8 | 37.8 - 41.9 | 196,400 |
| Speaks non-English language at home | ♦ | 35.7 | 29.3 - 42.0 | 13,200 | 32.4 | 30.4 - 34.4 | 159,000 |
| Income as a percent of the Federal Poverty Guideline | | | | | | | |
| 0-100% | ↓ | 33.1 | 28.1 - 38.0 | 10,400 | 43.8 | 42.0 - 45.6 | 198,400 |
| 101-200% | ♦ | 19.3 | 13.5 - 25.0 | 6,100 | 19.0 | 17.2 - 20.8 | 86,000 |
| >200% | ↑ | 47.7 | 41.8 - 53.6 | 15,100 | 37.2 | 35.5 - 38.9 | 168,500 |

* Data are not presented because fewer than 10 women reported.

† In 2011, measures changed for these indicators and are not comparable to the same indicator in prior years (see 2011 Technical Document for specific changes).

Notes: MIHA is an annual population-based survey of California resident women with a live birth in 2011, with a sample size of 6,853. The sample size of Orange County was 390. Percent (%), 95% confidence interval (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 in California and the county in 2011. Symbols indicate whether the health indicator in the county was statistically different from the rest of the state (p-value <0.05, chi-square test). Prior poor birth outcomes are presented for all women. Methods used to weight the data were different in 2011 than those used in prior years (see 2011 Technical Document for details on comparability with prior years and indicator definitions).

*MIHA is a collaborative effort of the Maternal, Child and Adolescent Health and WIC Programs of the Center for Family Health, California Department of Public Health and the Center on Social Disparities in Health at the University of California, San Francisco.* ***Visit the MIHA website at www.cdph.ca.gov/MIHA.***