Making Connections:

Understanding Women's Reasons for Not Enrolling in WIC during Pregnancy

California 2010-2012

Acknowledgements

The report, *Making Connections: Understanding Women's Reasons for Not Enrolling in WIC during Pregnancy, California 2010-2012,* was prepared by the California Department of Public Health, Maternal, Child and Adolescent Health (MCAH) Division for the California Special Supplemental Nutrition Program for Women, Infants and Children (WIC) program using data from the California Maternal and Infant Health Assessment survey.

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Making Connections: Understanding Women's Reasons for Not Enrolling in WIC during Pregnancy, California 2010-2012. Sacramento: California Department of Public Health, Center for Family Health; 2016.

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Funding

Contents

Appendices

List of Tables

List of Figures

Executive Summary

The California Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) delivers important services to low income pregnant and postpartum women, infants, and children up to the age of five who are found to be at nutritional risk. These services include checks to purchase healthy food, guidance on nutrition and breastfeeding, and linkages to health care and community services. Despite the program's success in achieving high participation, each year more than 50,000 women who are eligible do not enroll in WIC during their pregnancy. These women have risks that could negatively impact their health and the health of their child.

Using 2010-2012 data from the California Department of Public Health's Maternal and Infant Health Assessment (MIHA) survey, this report identifies reasons why eligible women do not enroll in WIC during pregnancy and the characteristics of women reporting each reason. The percent of women reporting each reason is shown for the 10 counties with the most births in California and for subgroups by race/ethnicity and other characteristics.

Women were classified as eligible nonparticipants (ENPs) if they had a live birth; were not enrolled in WIC during pregnancy (as reported in the WIC program participant database, the WIC Management Information System [WIC MIS]); and either had Medi-Cal listed on the birth certificate as the payer for prenatal care or delivery, or self-reported an income in MIHA that was less than or equal to 185% of poverty. Approximately 53,600 women per year were eligible for WIC but did not enroll during pregnancy. These women accounted for 16% of the 327,800 women with a live birth who were eligible for WIC per year. ENPs are a diverse group of women in terms of race/ethnicity, language spoken at home, maternal age, parity, and education. They commonly experience health and social risks such as food insecurity (19%), poverty (49%), self-reported poor health (24%), or dietary risk (95%).

Reasons for not enrolling in WIC

The two leading reasons for not enrolling in WIC during pregnancy were: not thinking they would qualify (40%) and not thinking they needed WIC (35%). Reasons less commonly reported were not knowing about WIC (16%) and difficulty getting to WIC (14%). The least common reasons were application or telephone barriers (10%) and having a negative view of WIC (9%). Few women reporting either of the least common reasons cited it as their only reason for not participating in WIC.

Reasons for not enrolling in WIC during pregnancy
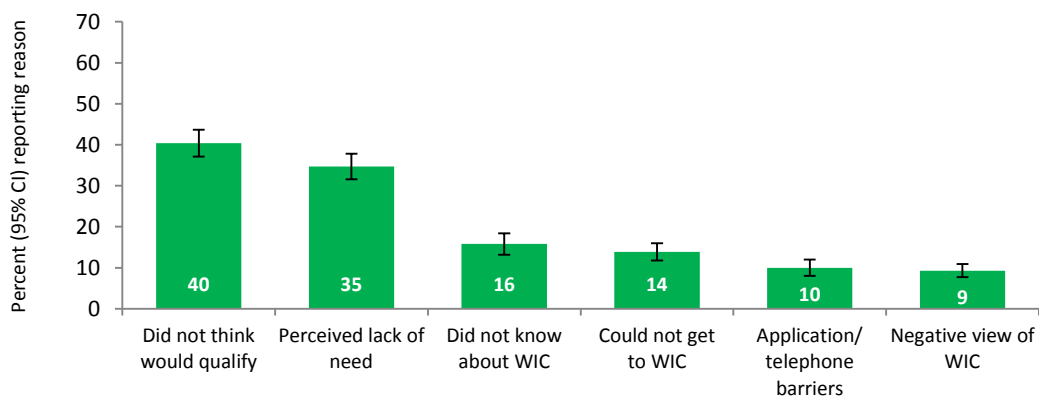
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars. The percentage for all reasons reported exceeds 100%; women could report more than one reason for not enrolling in WIC.

Characteristics of women reporting leading reasons

While the characteristics of women reporting each reason varied, there were some notable commonalities. White women and English speakers made up the largest groups of ENPs, and in general these were the largest groups reporting each reason for not participating in WIC during pregnancy.

Women with private insurance made up approximately half of the women who did not think they qualified for WIC (51%), did not think they needed WIC (42%), and did not know about WIC (46%). These women may not learn about WIC from their prenatal care providers, who may be unaware of WIC, the program's eligibility criteria, or the range of benefits offered.

In addition, more than one in three women who did not think they qualified for WIC or did not know about it were enrolled in Medi-Cal during pregnancy. Despite automatically qualifying for WIC through their Medi-Cal participation, this large proportion of ENPs did not have basic information about WIC or its eligibility criteria.

Did not think they would qualify for WIC

While not thinking they would qualify was a leading reason reported among all racial/ethnic groups, Hispanic and Asian/Pacific Islander (API) women were more likely to report this reason. Additionally, women who did not think they qualified experienced relatively lower levels of poverty, but they commonly reported other hardships, including food insecurity and difficulty living on their income. WIC benefits could have helped these women stretch their budgets.

Perceived lack of need for WIC

Women who thought they did not need WIC reported relatively lower levels of financial hardships, including food insecurity, poverty and difficulty living on their income. However, many women who thought they did not need WIC reported dietary, health, psychosocial and substance use risks similar to other ENPs. These women may not be aware of how WIC benefits could improve their health and the health of their infants. Many women who thought they did not need WIC participated in Medi-Cal or CalFresh (food stamps/Supplemental Nutrition Assistance Program), suggesting that they were willing to participate in other public programs.

Did not know about WIC

Foreign-born API women made up one in four women who did not know about WIC. Compared to English speakers, non-English speakers were more likely to report not knowing about WIC. These women may not have access to information about WIC or may not understand the information that is shared with them. Additionally, first-time moms were more likely to not know about WIC. They may have had fewer opportunities to learn about WIC through their providers or social networks than women who had experienced a previous pregnancy.

Could not get to WIC

ENPs who had a hard time getting to WIC had lower educational attainment, more children, and a high level of financial hardships, including poverty, food insecurity, and difficulty living on their income. They reported a high level of participation in other public programs including CalFresh and Medi-Cal, which do not require in-person participation. Women with few resources and who may be participating in other public programs may have multiple competing needs, making participation in WIC difficult.

Conclusion

The results presented in this report describe why each year, thousands of vulnerable women who are eligible do not enroll in WIC during pregnancy. These findings suggest a number of opportunities for outreach to ENPs. WIC could continue ongoing efforts to strengthen its partnerships with Medi-Cal and CalFresh, and develop new relationships with private insurers to educate women about the WIC program, including eligibility criteria, program benefits, and information about the application process. Additionally, in order to reach ENPs, all prenatal care providers, but particularly those serving privately insured women, could be educated about the impacts of food insecurity on health, and encouraged to provide information about WIC to their patients. Messages emphasizing the health benefits of WIC may resonate with women who are food secure and have fewer financial hardships. Foreign-born Asian women, non-English speakers, and first-time moms lack the most basic information about WIC and would benefit from enhanced outreach using linguistically and culturally appropriate strategies. Finally, the most vulnerable ENPs would benefit from efforts to reduce logistical barriers in getting to WIC.

"These results can be used by state and local WIC program directors to customize outreach strategies."

Introduction

The California Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) helps low income pregnant and postpartum women, infants, and children up to the age of five who are found to be at nutritional risk by providing healthy food, nutrition education, breastfeeding support, and linkages to health care and community services. Compared to other states, California enrolls a high proportion of eligible women during pregnancy.[1,2] Despite the program's success, each year over 50,000 women who are eligible do not enroll in WIC during their pregnancy. These women are vulnerable to financial hardships and health risks that could negatively impact their health and the health of their child. Enrolling these women during pregnancy, particularly during its early stages, could benefit both mother and child.[3-6]

This report provides new insights into why eligible women do not participate in WIC during pregnancy using data from the Maternal and Infant Health Assessment (MIHA) survey. The results are presented in two sections. First, reported reasons among all statewide eligible nonparticipants (ENPs) are summarized, with a detailed description of each reason and the characteristics of women reporting each reason. Second, the main reasons for not enrolling in WIC are summarized for selected subgroups of WIC ENPs.

The characteristics of ENPs and reported reasons for not participating in WIC described in this report complement previous work that estimated the number of prenatal women eligible for WIC and identified the geographic location of WIC ENPs.[1,7,8] Together, these results can be used by state and local WIC program directors to customize outreach strategies to address specific barriers among their respective ENP populations.

Background

Previous studies examining nonparticipation in nutrition or other public programs, such as WIC, SNAP (Supplemental Nutrition Assistance Program), and school lunch programs suggest that the decision to participate is based on the evaluation of costs and benefits of participation. Costs include the time, effort, and financial burden (e.g., transportation, child care, lost wages) involved in learning about and participating in programs, as well as important psychosocial costs such as stigma. Benefits are assessed in terms of the financial benefit, desirability of resources, and other non-tangible benefits such as social support.[9-13] Additional factors identified by prior research studies to explain nonparticipation include lack of information about the program in general, or its application process and benefits, and outright logistical barriers to participation.[9,11,14] Researchers have also focused on the role played by social networks in mediating stigma and access to information.[15,16] Finally, special attention has focused on the specific challenges experienced by immigrants related to costs, logistical barriers, and access to information.[17] While not all of these barriers to WIC participation were measured in the MIHA survey, the constructs described above shaped data analysis and interpretation in the current study. The results of a previous qualitative study commissioned by the California WIC program that identified the barriers to participation among ENPs and described satisfaction with the California WIC program among WIC participants[16] were also used to help interpret the results presented in this report.

Methods

This report uses 2010-2012 data from the MIHA survey to describe women's reasons for not enrolling in WIC during pregnancy. The characteristics of women reporting each reason are described among all ENPs in California. The percent of women reporting each reason are shown for the 10 counties with the most births in California and for subgroups by race/ethnicity and other selected characteristics.

Data source

MIHA is an annual statewide-representative survey of California women with a live birth conducted by the California Department of Public Health and the University of California, San Francisco. MIHA participants are English- or Spanish-speaking women ages 15 years and older. Each year from 2010-2012, close to 7,000 women participated in MIHA, and the response rate was approximately 70%. MIHA data are weighted to represent all women in California with a live birth during each survey year, excluding women who are non-residents, have a multiple birth of greater than three infants, or have a missing address on the birth certificate. MIHA data are collected by mail, with telephone follow-up to non-respondents. Women are sent a questionnaire in English or Spanish by mail, and non-respondents receive a reminder letter and a second questionnaire. Those who do not respond by mail are followed up by phone. Women who speak other languages may have lower participation in the survey. The MIHA survey collects information about maternal and infant experiences before, during, and shortly after pregnancy. Survey responses are linked to each woman's data from her baby's birth certificate.

WIC status

Women who were eligible for WIC during pregnancy were identified in the vital statistics birth file, MIHA survey and WIC program participant database, the WIC Management Information System (WIC MIS). Birth records were linked to WIC MIS to determine enrollment during pregnancy. Women were categorized as *WIC participants* if they had a prenatal record in WIC MIS; as *eligible nonparticipants* if they were not found in WIC MIS but had Medi-Cal for prenatal care or delivery on the birth certificate, or if they self-reported an income at or under 185% of the Federal Poverty Guideline (FPG) on MIHA; or as *ineligible* if they had another source or no insurance for prenatal care and delivery, and self-reported income above 185% FPG. For a more detailed description of linkage methods, see the technical documentation in the appendices.

MIHA survey question on reasons for not enrolling in WIC during pregnancy

The 2010-2012 MIHA questionnaire asked all women if they were on WIC at any time during their most recent pregnancy (Figure 1). Women who answered "no" were directed to a follow up question on *reasons for not enrolling in WIC during pregnancy,* which included a list of response options and a space to provide a write-in response. Women could select all reasons that applied to them.

The reason responses listed on the questionnaire and write-in themes were combined into general categories describing reasons for WIC nonparticipation during pregnancy. These general categories were based on categorization in prior research on nonparticipation in public programs, applicability to strategies for increasing enrollment in WIC during pregnancy, and having a sufficient number of ENPs in each category for data analysis to examine their characteristics. Figure 2 describes response options and write-in themes included in each reason category. See the technical documentation in the appendices for a description of the coding method and a detailed table describing the distribution of women selecting each response option and write-in theme within each reason category.

Figure 1. WIC participation questions on the MIHA survey

Were you on WIC at any time during your most recent pregnancy? (WIC is the Women, Infants and Children supplemental nutrition program.)

_ Yes **→ Skip to question xx**
_ No

Why were you <u>not</u> on WIC during your pregnancy?

Check ALL that apply.

_ I never heard of WIC
_ I didn't think I would qualify for WIC
_ I did not need WIC
_ I couldn't get to WIC when they were open
_ I couldn't get through on the phone
_ It was too difficult to apply for WIC
_ I used to be on WIC but didn't like it
_ I did not want to use WIC vouchers to shop
_ Other (**Please tell us:** _____)

Figure 2. Categorization of MIHA questionnaire response options and write-in themes

Reason category	Existing response option	Write-in theme
Did not think she would qualify	• I didn't think I would qualify for WIC	• Did not know WIC covers pregnant women • Did not qualify or was disqualified • Income too high
Perceived lack of need	• I did not need WIC	• Other women needed it more • Low motivation to enroll • Never thought about enrolling • Enrolled after pregnancy
Did not know about WIC	• I never heard of WIC	• Did not know enough about WIC or application process
Access: Could not get to WIC	• I couldn't get to WIC when open	• Trouble getting there (transportation) • Trouble getting there (sick, bed rest, kids, unspecified) • No time, busy, working • Issues with WIC location (unknown location, too far, unsafe)
Access: Application or telephone barriers	• I couldn't get through on the phone • It was too difficult to apply for WIC	• Did not get referral from doctor • Did not have ID or paperwork to apply • Moved
Negative view of WIC	• I used to be on WIC but didn't like it • I did not want to use vouchers to shop	• Embarrassment • Did not like the requirements • Did not like WIC foods • Did not want to be on WIC • Did not want government assistance • Long wait/long lines • Issues with WIC staff

Data analysis

The first part of this report is based on MIHA data from 2010-2012 to describe the characteristics of all women in California with a live birth by WIC status (n=20,200). The second part of the report is restricted to ENPs and provides the percentages of ENPs reporting each reason for not enrolling in WIC during pregnancy (n=4,185). ENPs who did not report any reason were excluded from analysis of reasons (n=677).

Reasons for not enrolling in WIC during pregnancy were further examined by describing the characteristics of women reporting each reason, including the size and characteristics of the population reporting each reason. This information is complemented by a comparison of the prevalence of each reason reported by women in population subgroups, in order to identify groups of women more likely to report a particular reason. Differences in reporting each reason by population subgroups were tested using multivariate logistic regression.

Finally, a set of profiles for population subgroups was developed to facilitate outreach efforts to these groups. Each profile describes population characteristics and their reasons for not participating in WIC. Overall findings are summarized in the body of the report. Detailed tables and adjusted odds ratios of subgroups reporting each reason are included in the appendices.

All annual population estimates presented in the report are weighted to represent all live births in California, based on a three-year average (2010-2012). The 95% confidence interval is presented in the detailed tables and in bar charts (shown as a thin black line extending above and below the top of each bar), and indicates that there is a 95% chance that the range contains the actual prevalence in the population. All analyses were conducted using SAS 9.3 ProcSurvey methods to account for complex survey design.

Summary of WIC eligible nonparticipants

Definition

Women were classified as ENPs if they had a live birth, were not enrolled in WIC during pregnancy (as reported in the WIC MIS database), and either had Medi-Cal for prenatal care or delivery on the birth certificate, or self-reported an income in MIHA that was less than or equal to 185% FPG. Between the years 2010 and 2012, approximately 53,600 women per year were eligible for WIC but did not enroll during pregnancy. These women accounted for 16% of the 327,800 women with a live birth who were eligible for WIC per year.

As shown in the orange boxes in Figure 3, ENPs accounted for 11% of all women with a live birth in California. About 6% were not enrolled in WIC but had Medi-Cal for prenatal care or delivery as reported on the birth certificate, and an additional 5% were not enrolled in WIC and did not have Medi-Cal, but reported an income of 185% or less of the FPG in MIHA.

Figure 3. WIC status determination among California resident women with a live birth, 2010-2012
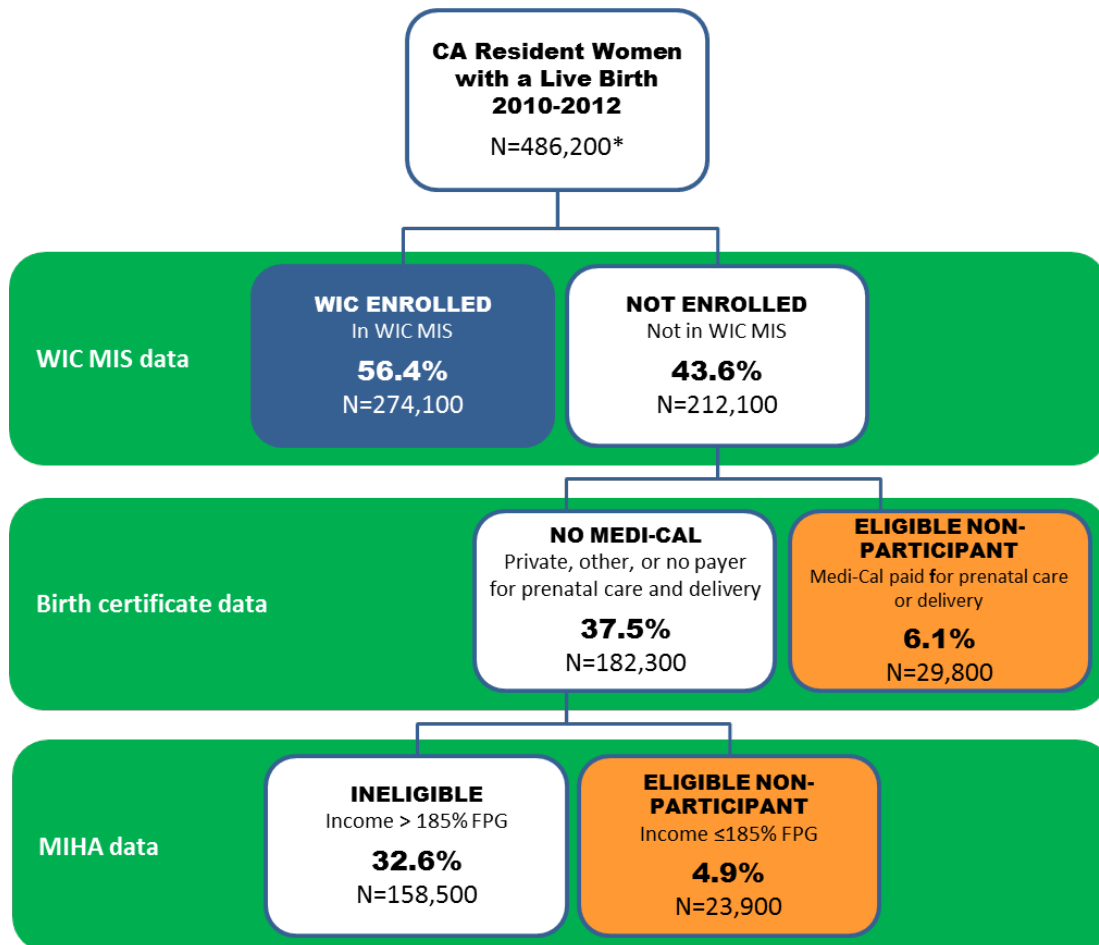
*The total estimated population excludes women with undetermined WIC status who were not found in WIC MIS, were not on Medi-Cal or low-income, and had missing prenatal care payer, delivery payer, and/or income. Percentages and population estimates (N) are weighted to represent California. Population estimates are the average per year and rounded to the nearest hundred. Population estimates may not add up to total and estimates in figure and text may not align because of rounding.

Characteristics of women who are eligible but not enrolled

Good nutrition contributes to healthier pregnancy outcomes and all at-risk pregnant women should have equitable access to nutrition programs. A recent study on prenatal WIC participation in 27 states during 2007-2008 showed that WIC ENPs commonly experience health and social risks that have been associated with preterm birth and low birth weight, such as obesity or underweight before pregnancy, a history of poor birth outcomes, poverty, or delayed entry to prenatal care. While risks are not as common among ENPs as they are among WIC participants, both WIC participants and ENPs experience substantially more risks than ineligible women.[1] Efforts to identify and enroll ENPs in WIC, particularly during the early months of pregnancy, can have important benefits for both mother and child. [3-6]

MIHA data shown in Table 1 illustrate a similar pattern of vulnerability among WIC ENPs in California. More than three out of four ENPs experienced at least one financial hardship during pregnancy, including food insecurity, poverty, difficulty living on available income, job loss, or homelessness. Among ENPs, 19% experienced food insecurity, 49% had an income below poverty, and 55% reported difficulty living on their income. Health and social risks were common as well. Almost one quarter of ENPs self-reported at least one indicator of poor health (24%), including diabetes before or during pregnancy, hypertension before or during pregnancy, pre-eclampsia or eclampsia during pregnancy, or fair or poor health before pregnancy. Approximately one third of ENPs (33%) had at least one psychosocial risk (physical or psychological intimate partner violence during pregnancy, prenatal or postpartum depressive symptoms, or lack of practical or emotional support) and 38% reported risky substance use (any smoking before or during pregnancy, any binge drinking before pregnancy or any drinking during pregnancy). Finally, almost all ENPs had at least one indicator of dietary risk (95%), including not taking folic acid daily, unhealthy prepregnancy body mass index (underweight, overweight or obese), or inadequate or excessive weight gain during pregnancy. While financial hardships were more common among WIC participants than ENPs, there were no differences in health and psychosocial risk indices, with the exception of risky substance use, which was more common among ENPs. Both ENPs and WIC participants had more hardships and risks than women ineligible for WIC.

Before pregnancy, 26% of ENPs had Medi-Cal, 41% had private insurance, and 31% were uninsured. During pregnancy, 51% had Medi-Cal, 38% had private insurance, and 7% were uninsured. During pregnancy, a greater percentage of ENPs had private insurance or no insurance, compared to WIC participants. Almost a quarter of ENPs (23%) participated in CalFresh (food stamps/Supplemental Nutrition Assistance Program), substantially lower than among WIC participants.

The WIC ENP population reflects California's unique socio-demographic diversity and large immigrant community. The largest racial and ethnic groups of ENPs were White (36%), US-born Hispanic (23%), and foreign-born Hispanic (17%) women. Smaller groups were foreign-born Asian/Pacific Islander (API) (11%), Black (8%), and US-born API (4%) women. Approximately 2% identified themselves as American Indian or Alaska Native, not exclusive of other races or Hispanic ethnicity (not shown).

While most ENPs spoke English (76%), some spoke Spanish (14%), and Asian or other languages (10%) at home. Close to 70% of ENPs were at least 25 years of age, 61% had at least some college education, 40% were first-time moms, and 51% were married.

Table 1. Characteristics of women according to WIC status during pregnancy

	Eligible Nonparticipant (Eligible via Medi-Cal or Income)			WIC Participant			Ineligible		
	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
California Total	11	10.4 - 11.7	53,600	56	55.6 - 57.2	274,100	33	31.8 - 33.4	158,500
Socio-Demographic Factors									
Race/ethnicity (BC)									
White	36	33.5 - 39.3	18,900	13	12.2 - 13.9	35,300	54	51.2 - 55.8	82,800
Hispanic US-born	23	20.9 - 26.0	12,100	33	30.9 - 34.3	88,200	14	12.7 - 15.9	22,100
Hispanic foreign-born	17	14.7 - 19.3	8,800	40	37.9 - 41.2	107,100	4	3.6 - 5.4	7,000
Asian/PI foreign-born	11	8.4 - 13.5	5,700	5	4.2 - 5.8	13,500	19	16.9 - 20.9	29,200
Asian/PI US-born	4	2.6 - 4.8	1,900	2	1.2 - 2.0	4,300	6	4.7 - 6.8	8,900
Black	8	6.3 - 9.0	4,000	7	6.9 - 8.0	20,200	3	2.4 - 3.2	4,300
Other	1	0.6 - 1.3	500	1	0.5 - 1.0	2,000	< 1	0.1 - 0.4	400
Language spoken at home									
English	76	73.3 - 78.9	40,300	58	55.9 - 59.3	156,500	82	80.4 - 84.3	129,300
Spanish	14	11.9 - 16.1	7,400	36	34.3 - 37.6	97,600	3	1.9 - 3.2	4,000
Asian or other	10	7.8 - 12.2	5,300	6	5.6 - 7.3	17,500	15	13.2 - 17.0	23,700
Maternal age (BC)									
15-24	32	29.2 - 34.4	17,000	42	40.7 - 44.2	116,300	4	3.7 - 5.2	7,100
25-34	53	49.9 - 56.0	28,400	46	44.2 - 47.7	126,000	65	62.7 - 67.0	102,800
35+	15	12.7 - 17.8	8,200	12	10.5 - 12.7	31,800	31	28.5 - 32.8	48,600
Maternal education									
HS diploma (GED) or less	39	36.6 - 42.4	21,100	62	60.2 - 63.6	168,800	5	4.2 - 5.9	8,000
Any college or more	61	57.6 - 63.4	32,300	38	36.4 - 39.8	103,800	95	94.1 - 95.8	150,300
Parity (BC)									
First live birth	40	36.7 - 42.8	21,300	36	34.3 - 37.7	98,600	46	43.8 - 48.3	72,900
Second live birth or more	60	57.2 - 63.3	32,300	64	62.3 - 65.7	175,500	54	51.7 - 56.2	85,500
Marital status									
Married	51	48.1 - 54.1	27,300	39	37.0 - 40.3	105,300	91	89.6 - 92.0	143,700
Not married	49	45.9 - 51.9	26,100	61	59.7 - 63.0	167,200	9	8.0 - 10.4	14,600
Health Insurance Coverage and Program Participation									
Pre-pregnancy insurance									
Medi-Cal	26	23.4 - 28.0	13,600	42	40.7 - 44.2	114,600	1	0.4 - 1.0	1,100
Private	41	37.5 - 43.6	21,500	20	18.6 - 21.3	53,800	94	92.7 - 94.9	148,300
Uninsured	31	28.2 - 33.8	16,400	35	32.9 - 36.3	93,400	3	1.8 - 3.3	4,000
Other	3	2.0 - 3.5	1,400	3	2.4 - 3.5	8,000	3	2.3 - 3.7	4,700
Prenatal insurance (BC)									
Medi-Cal	51	48.3 - 54.2	27,400	75	73.2 - 76.1	204,300	--		
Private	38	35.0 - 41.2	20,400	21	19.4 - 22.2	57,000	95	93.7 - 95.6	150,000
Uninsured	7	5.0 - 9.2	3,800	1	0.9 - 1.5	3,400	2	1.1 - 2.0	2,500
Other	4	2.5 - 4.6	1,900	3	2.7 - 3.8	9,000	4	3.0 - 4.6	6,000
CalFresh during pregnancy	23	20.8 - 25.8	12,500	37	35.5 - 38.8	101,100	--		
Financial Hardships during Pregnancy									
Any financial hardship	77	73.9 - 79.2	39,800	89	87.8 - 90.1	232,800	22	19.9 - 23.5	34,100
Income as % of poverty									
0-100%	49	45.8 - 52.1	24,900	70	68.5 - 71.8	176,100	--		
>100%	51	47.9 - 54.2	26,000	30	28.2 - 31.5	74,900	100 †		158,500
Hard to live on income	55	51.6 - 57.6	29,000	60	58.5 - 62.0	162,000	16	14.4 - 17.7	25,400
Food insecurity									
Food insecure	19	16.5 - 21.4	10,100	29	27.2 - 30.4	78,400	2	1.5 - 2.4	3,000
Food secure	81	78.6 - 83.5	43,300	71	69.6 - 72.8	193,800	98	97.6 - 98.5	155,300
Health and Psychosocial Risk Indices									
Self-reported poor health	24	21.7 - 26.7	12,700	28	26.5 - 29.7	75,200	18	16.8 - 20.1	29,100
Psychosocial risk	33	29.7 - 35.4	17,300	35	33.7 - 37.1	96,300	16	14.6 - 17.9	25,600
Risky substance use	38	35.1 - 40.9	20,200	27	25.6 - 28.6	73,100	37	35.2 - 39.5	58,800
Dietary risk	95	93.5 - 97.1	49,200	97	96.1 - 97.3	253,600	85	83.6 - 86.8	128,500
Breastfeeding Intention									
Breastfeed exclusively	64	61.0 - 66.7	33,200	52	50.4 - 53.9	139,800	76	74.6 - 78.4	119,700
Any formula/not sure	36	33.3 - 39.0	18,800	48	46.1 - 49.6	128,200	24	21.6 - 25.4	36,800

-- Estimate suppressed because the relative standard error is greater than 50% or fewer than 10 women reported.

† Estimate should be interpreted with caution because the confidence interval (95% CI) is not calculated for an estimate of 100%.

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status. The California Total percentages of WIC status are calculated out of women for whom WIC status could be identified. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Reasons for not enrolling in WIC during pregnancy

A summary of the reasons for not enrolling in WIC during pregnancy is shown for ENPs overall (Figure 4). Subsequently, the characteristics of women reporting each reason are presented, and subgroups that are more likely to report each reason are identified. This report places an emphasis on the distribution of characteristics among women reporting each reason in order to ensure that outreach activities are directed towards appropriate subgroups of ENPs in California. Detailed tables are in the appendices.

The two leading reasons reported by ENPs for not enrolling in WIC during pregnancy were thinking they would not qualify (40%, approximately 18,200 women) and believing they did not need WIC (35%, approximately 15,600 women). Reasons less commonly reported by women were not knowing about WIC (16%, approximately 7,100 women), not being able to get to WIC (14%, approximately 6,200 women), experiencing WIC application and telephone barriers (10%, approximately 4,500 women), and holding a negative view of WIC (9%, approximately 4,200 women). Women could report more than one reason for not enrolling in WIC.

The characteristics of women reporting each reason varied, with a few notable exceptions. White women and English speakers constituted the largest proportion of ENPs, and therefore were often the largest groups among women reporting each reason. Across all reasons, there was little variation in the distribution of women by age.

Figure 4. Reasons for not enrolling in WIC during pregnancy
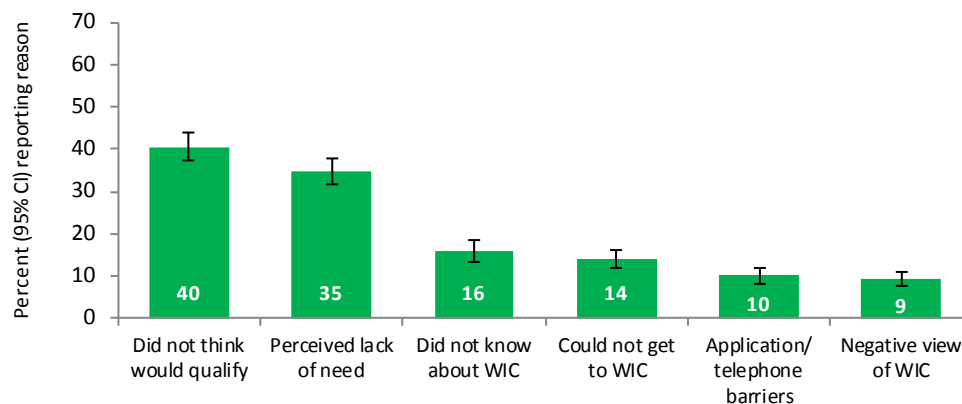
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars. The percentage for all reasons reported exceeds 100%; women could report more than one reason for not enrolling in WIC.

Did not think they would qualify for WIC

In California, 40% of ENPs did not think they would qualify for WIC (about 18,200 women), even though these women had Medi-Cal for prenatal care or delivery, or their income was at or below 185% of poverty. This was the leading reason for WIC nonparticipation reported by eligible women. In addition to the majority of women who selected the primary option, "I didn't think I would qualify for WIC," a small number of women wrote in that they did not know that pregnant women could participate in WIC, that they did not qualify, or that their incomes were too high for WIC.

Some eligible women may have fewer opportunities to learn about WIC, while others may not think they are the type of women who would qualify because of perceived stigma associated with public program participation.

Demographic characteristics

The largest racial/ethnic group of women who did not think they would qualify were White, followed by US-born Hispanic and foreign-born Hispanic women (Figure 5). Not thinking they would qualify was a common reason reported among all racial/ethnic groups. When looking within each racial/ethnic group, Hispanic and API women were more likely than White women to report this reason (Figure 6).

Foreign-born women may have less access to information about WIC through their social networks, may be less familiar with social programs in the United States in general, or may think their citizenship status disqualifies them for WIC.

Like ENPs overall, the vast majority of women who did not think they would qualify were English speakers (80%). Women who did not think they would qualify for WIC were older and more were married than ENPs in general: 61% were ages 25-34 years, 15% were ages 35 and older, and 60% were married.

> *"I thought it was like food stamps or you have to be on welfare."*
> *–MIHA Respondent*

Figure 5. Race/ethnicity among women who did not think they would qualify for WIC
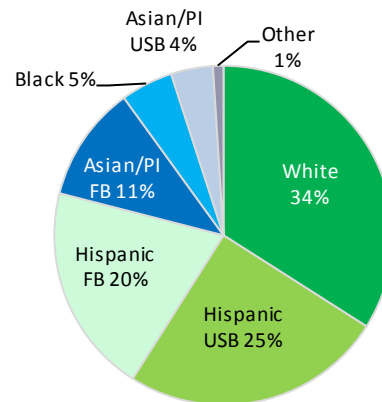
Figure 6. Prevalence of not thinking they would qualify for WIC by race/ethnicity
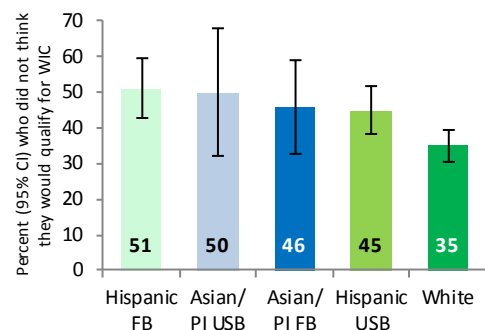
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Program participation and health insurance

Women who did not think they would qualify had lower participation in public programs compared to ENPs overall. Before pregnancy, only 11% had Medi-Cal, while 56% had private insurance and 30% were uninsured. During pregnancy, only 41% had Medi-Cal and 9% participated in CalFresh, while 51% had private insurance (Figures 7, 8).

Women with private and no insurance before pregnancy were more likely than women with Medi-Cal before pregnancy to think they did not qualify for WIC, and women without CalFresh were more likely to think they did not qualify for WIC than CalFresh participants.

Women not participating in public programs may not be exposed to information about WIC eligibility criteria from their providers or from social networks, and those who enroll in Medi-Cal just for pregnancy may not be familiar with public programs and WIC adjunctive eligibility (i.e., eligibility for WIC based on enrollment in specific other means-tested programs, including Medi-Cal and CalFresh). Health care providers serving privately insured women may be unaware that their patients have low income, may be unaware of the WIC program or eligibility criteria, and may not be in the practice of referring women to WIC, even though it would benefit their patients.

The number of women who did not think they would qualify even though they did participate in Medi-Cal (7,400) or CalFresh (1,700) during pregnancy was substantial. These women are adjunctively eligible for WIC, that is they automatically qualify for WIC due to their participation in Medi-Cal or CalFresh. Basic information about adjunctive eligibility for WIC could be shared with all participating women by the CalFresh and Medi-Cal programs themselves, or women's prenatal care providers.

Figure 7. Prenatal insurance among women who did not think they would qualify for WIC
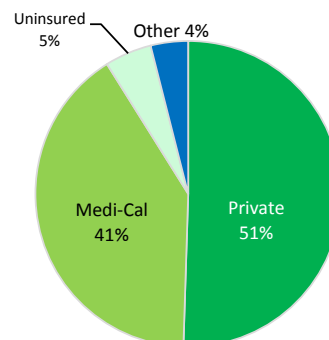
Note: Sum is greater than 100% because of rounding

Figure 8. CalFresh participation among women who did not think they would qualify for WIC
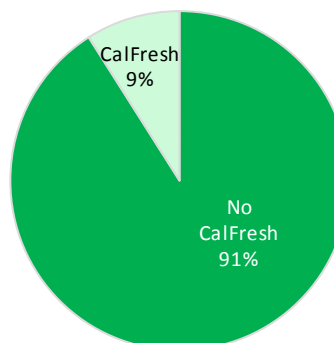
"I thought you had to have to have the baby to qualify. I didn't know you could have WIC when you were pregnant."
–MIHA Respondent

Hardships and need

Income and hardships among women who did not think they would qualify for WIC are shown in Figure 9. Fewer women who did not think they qualified had income below poverty (33%), compared to ENPs overall. Despite the lower poverty, women who did not think they qualified reported substantial levels of other hardships, such as food insecurity (22%) and difficulty living on their incomes (57%). Women with income above poverty may not be aware that they qualify based on their income levels. It appears that women with relatively higher incomes are not participating in public programs that could help buffer against hardships such as food insecurity.

Figure 9. Income and hardships among women who did not think they would qualify for WIC

Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.
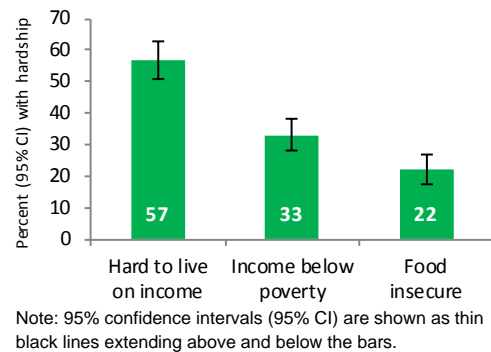
Among food insecure women, 50% did not think they would qualify for WIC. This was by far the most common reason for not participating in WIC for these vulnerable women.

Women with incomes above poverty, married women, and those who do not participate in other public programs might not see themselves as the type of women who could be eligible to receive nutrition assistance. Findings from a previous focus group study in California indicate that additional barriers exist among eligible women who think they do not qualify, such as stigma and low perceived benefits of WIC participation. After learning that they were eligible for WIC, women in that study said that they would likely still not enroll because they wanted to leave the benefits for women with greater need and because they did not think that participation was worth the effort.[16]

> *"My husband was working and we thought we didn't qualify."*
> *–MIHA Respondent*

| DID NOT THINK THEY WOULD QUALIFY |
| KEY POINTS |

- Thinking they would not qualify was the leading reason reported by women for not participating in WIC during pregnancy.

- The largest groups of women who did not think they qualified were White and spoke English; many women were older and married.

- Though it was a leading reason reported among all racial/ethnic groups, Hispanic and API women were more likely to think they did not qualify.

- Although women who did not think they qualified experienced lower levels of poverty than ENPs overall, they had other hardships that could have been addressed by WIC. Half of food insecure women did not think they would qualify for WIC.

- Half of the women reporting this reason had private insurance. Prenatal care providers serving privately insured women may not have been aware of or may not have informed their patients about WIC eligibility criteria.

- Women who participated in Medi-Cal and CalFresh may not have been aware that they were adjunctively eligible for WIC.

Perceived lack of need for WIC

Over one-third of ENPs (35%) did not think they needed WIC (about 15,600 women). The majority of these women simply reported that they did not need WIC, while a smaller number wrote in responses with similar themes: a low motivation to enroll in WIC, they never thought about enrolling, they did not want to enroll until after pregnancy, and thought other women needed WIC more than them.

Women who thought that they did not need WIC may have lacked information about the program's benefits, may not have valued the benefits that are offered, may not have thought their need was worth the effort of participation, or may have perceived themselves as not needing public assistance in general, despite experiencing challenges that could be addressed by WIC.

Demographic characteristics
Among women who thought they did not need WIC, 50% were White, 19% were US-born Hispanic and 13% were foreign-born Hispanic (Figure 10). Compared to ENPs overall, more women who thought they did not need WIC spoke English (82%) and had at least some college education (73%).

Maternal age, parity and marital status were similar for ENPs overall and women who thought they did not need WIC: 28% were ages 15-24 years, 57% were ages 25-34 years, and 15% were ages 35 years and older. Over half had a prior live birth (54%) and were married (56%).

Program participation and health insurance
Nearly half of the women who did not think they needed WIC had private insurance before (48%) and during pregnancy (42%). These women may not learn about WIC benefits from their providers. Also, despite reporting that they did not need WIC, many women participated in other public programs, including Medi-Cal before (21%) and during pregnancy (50%), and CalFresh during pregnancy (15%). This may reflect a greater perceived benefit associated with coverage for the high costs of medical care, but also indicates a willingness to consider public program participation.

> *"Didn't feel we 'needed help.' Didn't know enough about WIC."*
> –MIHA Respondent

Figure 10. Race/ethnicity among women who did not think they needed WIC
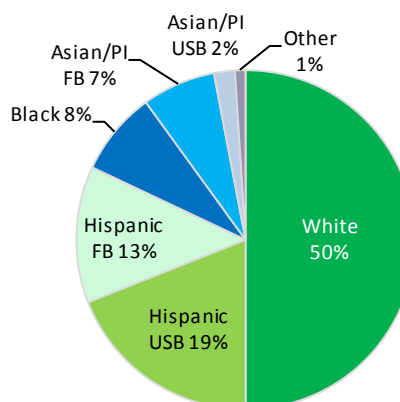
> *"I only needed the health care. I only wanted to take what assistance I absolutely needed and that was health care for the baby."*
> –MIHA Respondent

Hardships and need

Among ENPs, food secure women and women who did not have difficulty living on their income were more likely to think they did not need WIC than women who had these hardships. Women may not be aware of the range of benefits offered by WIC, in addition to food aid.

Figure 11 shows hardships among women who did not think they needed WIC. Compared to ENPs overall, financial hardships were lower among women reporting this reason: 37% reported difficulty living on their income, 38% had income below poverty, and only 5% were food insecure. Regardless, these are substantial numbers of women facing financial hardships. Women who were food secure but had other financial hardships may not have been aware that WIC support could help stretch their budget.

Women who thought they did not need WIC reported risks known to negatively impact maternal and infant outcomes that could have been addressed through WIC services or referrals (Figure 12): dietary risk, including unhealthy prepregnancy BMI, inadequate or excessive pregnancy weight gain, not taking folic acid daily, (94%); risky substance use (42%); psychosocial risk (23%); and self-reported poor health (20%). These women may not understand how WIC benefits could improve their health and the health of their infants.

Most of the women who did not think they needed WIC intended to breastfeed exclusively (73%). Women who planned to breastfeed exclusively may not be aware of the breastfeeding support offered by WIC.

Women with fewer financial hardships and at least some college education may not have seen themselves as the type of women who need assistance. Nearly 20% of women who thought they did not need WIC also thought they did not qualify for WIC. Research shows that perceived lack of need and not thinking one qualifies for services are associated with the stigma of receiving public assistance,[14,16] a main barrier to program participation.[10,13] For those with lower income, the stigma of public program participation can be associated with shame of having a low income or needing to rely on assistance.[13]

Figure 11. Hardships among women who did not think they needed WIC
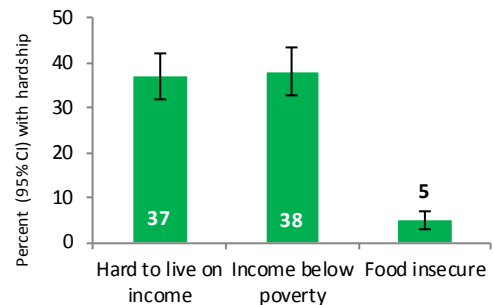
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Figure 12. Maternal risks among women who did not think they needed WIC
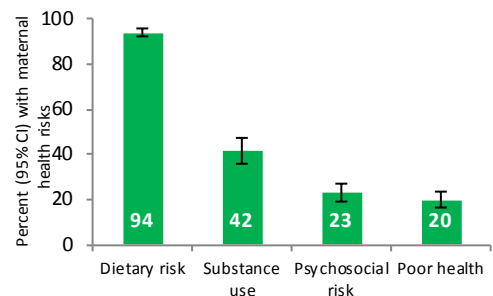
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

"I think I qualified but I didn't need it so I'd rather have those resources go to somebody else who needs it."
–MIHA Respondent

PERCEIVED LACK OF NEED FOR WIC
KEY POINTS

- Perceived lack of need for WIC was the second leading reason for not participating in WIC during pregnancy.

- Half of the women reporting this reason were White, the majority spoke English and most had at least some college education.

- Though food insecurity was rare, and relatively fewer women experienced financial hardships, many women reported health and psychosocial risks that could have been addressed by WIC.

- Many women had private insurance before and during pregnancy and may not learn about WIC benefits from their providers.

- Many women participated in Medi-Cal or CalFresh, suggesting that they were willing to participate in other public programs.

- Women reporting this reason may not have been aware of the range of benefits offered by WIC, or may not have seen themselves as the type of women who needed assistance.

Did not know about WIC

Nearly 16% of ENPs did not know about WIC during pregnancy (about 7,100 women). The majority of these women reported that they had never heard of WIC, while a small number of women wrote in that they had heard of WIC, but lacked basic information about the program or how to apply.

Women who did not know about WIC may not have been exposed to information about the WIC program through word of mouth or through existing formal outreach mechanisms, or may not have understood the information that was shared with them.

Demographic characteristics

Most of the women who did not know about WIC were White, followed by foreign-born API, US-born Hispanic and foreign-born Hispanic women (Figure 13). Though foreign-born API women made up only 11% of the overall ENP population, they were 23% of the women who did not know about WIC.

English speakers made up the majority of ENPs overall and women who reported this reason. Looking within each language group, women who spoke Asian or other languages and Spanish were much more likely to report not knowing about WIC (Figure 14).

Women who speak mainly Spanish, Asian or another language may not understand the available information, or may receive less information and fewer referrals from service providers who are not proficient in non-English languages. Also, foreign-born women may be less familiar with public programs in the United States.

> *"By the time I found out about WIC, I was too big. I was eight months pregnant."*
> *–Foreign-born Asian/Pacific Islander (first-time mom)*

> *"I didn't really know about it. I had heard of it, but I didn't know it could apply to me.... I actually saw somebody when I went to apply for Medi-Cal and it never came up, like this is available if you need it."*
> *–MIHA respondent*

Figure 13. Race/ethnicity among women who did not know about WIC
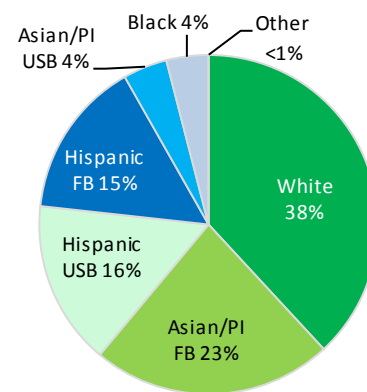
Figure 14. Prevalence of not knowing about WIC by language spoken
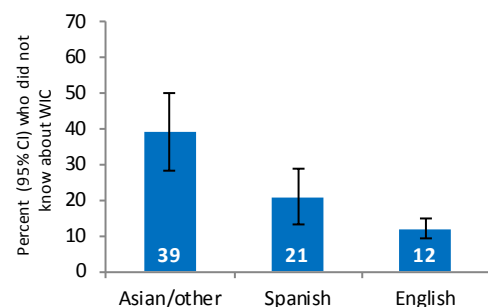
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Married women and first-time moms were more likely not to know about WIC than single women and those with a prior live birth. Close to 70% of the women who did not know about WIC were first-time moms (Figure 15). These women may have had fewer opportunities to learn about resources for pregnant women than women that had been pregnant previously, who might have already received information in the hospital after previous deliveries or from their prenatal care provider, pediatrician, or through social networks developed after the birth of a child.

Many women who did not know about WIC were married (65%) and had at least some college education (71%). For these women, not knowing about WIC may result from both lack of information and being less likely to see themselves as public aid participants. They may also think they do not qualify for, or need, WIC.

Figure 15. Parity among women who did not know about WIC

Program participation and health insurance

Before and during pregnancy, women with private insurance made up the largest group of women who did not know about WIC. Among women who did not know about WIC, 49% had private insurance before pregnancy, and 46% had private insurance during pregnancy. Women with private insurance are more likely to see private providers who may not offer information on WIC and other social services because they may not be familiar with WIC or with the financial struggles of their patients. Additionally, the large group of women who have contact with Medi-Cal (40%) or CalFresh (11%) during pregnancy should have more opportunities to learn about WIC due to adjunctive eligibility.

| DID NOT KNOW ABOUT WIC |
| KEY POINTS |

- Not knowing about WIC was the third most common reason for not participating in WIC during pregnancy.

- The largest groups of women reporting this reason were White and English speakers.

- Foreign-born API women made up one in four of women who did not know about WIC. Additionally, non-English speakers were more likely to not know about WIC. These women may have received fewer referrals from service providers, or may not have understood the information they were given.

- First-time moms were more likely to not know about WIC and may have had limited opportunities to learn about WIC compared to women who had experienced a previous pregnancy.

- Many women with private insurance did not know about WIC. These women may not have received information about WIC from their prenatal care providers.

- Women who participated in Medi-Cal and CalFresh may not have been aware that they were adjunctively eligible for WIC.

Access issues: Could not get to WIC

Nearly 14% of ENPs experienced access issues getting to WIC (about 6,200 women). Most of these women reported that they could not get to WIC when it was open, and about a third of the women with difficulty getting to WIC wrote in specific reasons, including lack of transportation, feeling sick or requiring bed rest during pregnancy, needing to work or care for older children, not having time or being too busy, being unfamiliar with the WIC site location or feeling that it was not safe.

Women who cannot get to WIC may experience logistical barriers within and outside the WIC system and in their own lives, or may anticipate having such difficulties, and decide that it is just too difficult to participate in WIC. Logistical barriers experienced by women in trying to get to WIC include site location, hours of operation and requirements for in-person eligibility and participation, as well as barriers external to WIC, such as limited public transportation systems or other circumstances that make it difficult for them to access services.

Demographic characteristics

Among women who could not get to WIC, the highest proportion were US-born Hispanic and White women, followed by foreign-born Hispanic and Black women (Figure 16). Compared to White women, US-born Hispanic women were more likely to have difficulty getting to WIC.

Other characteristics related to difficulty getting to WIC were education, marital status, and parity. Compared to ENPs overall, more women who experienced difficulty getting to WIC had a high school diploma or less (58%) and fewer were married (39%). Most women who reported this reason experienced a prior live birth (72%).

"I didn't have time. Every time I go to work I go there and they are not open and I get off of work and they are already closed."
–MIHA respondent

Figure 16. Race/ethnicity among women who could not get to WIC
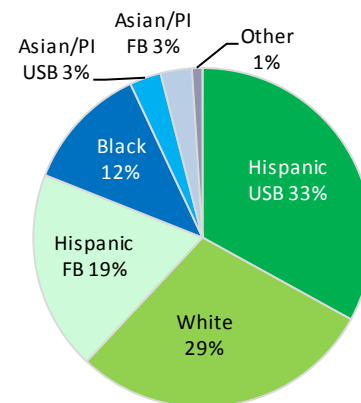
"It's hard to go for appointments with kids."
–MIHA respondent

Women with older children may find it difficult to find alternate care or bring children to WIC appointments, particularly if they experience transportation difficulties. Women with less education and single women may have more difficulty navigating systems and may have fewer social resources, such as help getting a ride or childcare.

Program participation and health insurance

Compared to ENPs overall, more women who could not get to WIC participated in other public programs. Before pregnancy, 42% had Medi-Cal, 33% were uninsured, and only 22% had private insurance. Figure 17 shows public participation during pregnancy among women who could not get to WIC. During pregnancy, 66% had Medi-Cal and nearly half participated in CalFresh. About a quarter of women who could not get to WIC had private insurance during pregnancy.

Despite reporting challenges getting to WIC, these women participated in other public programs at very high rates. It appears that some women are choosing other programs over WIC, such as CalFresh, which does not require regular appointments and provides benefits through an electronic benefit transfer card.

Hardships and need

Women who could not get to WIC experienced a high level of financial hardships compared to ENPs overall. Almost 90% identified at least one financial hardship, including 71% who reported difficulty living on their income, 68% who had an income below poverty, and 30% who reported food insecurity (Figure 18). Women with few resources who are participating in other public programs may have multiple competing needs, making participation in WIC difficult.

Over 40% of women who could not get to WIC also identified another reason for not participating in WIC, including application problems or not thinking they qualified. Taken together, this indicates that many women with difficulty getting to WIC had other issues accessing WIC, even though they were participating in Medi-Cal and CalFresh at very high rates.

Figure 17. Public program participation among women who could not get to WIC
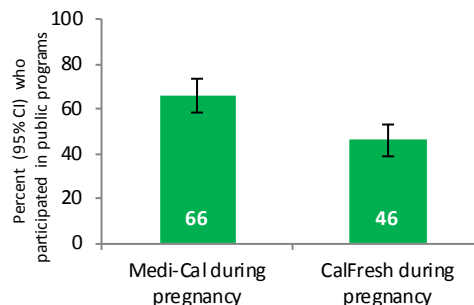
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Figure 18. Income and hardships among women who could not get to WIC
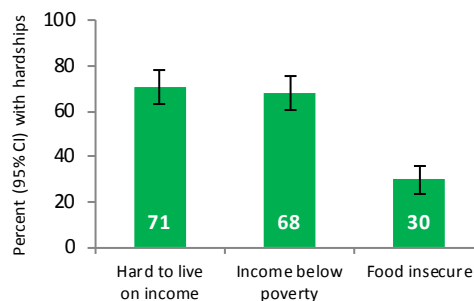
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

ACCESS ISSUES: COULD NOT GET TO WIC
KEY POINTS

- Women reported barriers such as WIC site location, hours of operation, limited transportation, lack of childcare and other circumstances that made it difficult to access services.

- US-born Hispanic women were the largest racial/ethnic group with difficulty getting to WIC.

- Women with difficulty getting to WIC had lower educational attainment, more children, and experienced a high level of financial harships.

- Despite reporting challenges getting to WIC, these women participated in other public programs at very high rates.

- Women with few resources who also were participating in other public programs may have multiple competing needs, making participation in WIC difficult.

- More than one third of women with difficulty getting to WIC also reported another reason for not participating, indicating multiple barriers for participation.

Access issues: Application or telephone barriers

Among ENPs, 10% experienced application or telephone barriers (about 4,500 women). Among these women, most reported that the application process was too difficult, followed by trouble getting through on the phone. A very small number wrote in specific application barriers such as difficulty getting necessary paperwork, obtaining a referral from a doctor, or having recently moved.

Women may experience barriers related to WIC administration such as telephone systems, problems transferring records when women move, and lack of correct information about application requirements. External access barriers may include difficulty obtaining necessary documentation. As with challenges getting to WIC, women may weigh real or perceived application or telephone barriers against expected benefits when deciding not to participate in WIC.

Application or telephone barriers was not a leading reason for any demographic group. Further, more than two thirds of the women with application or telephone barriers also reported another reason for not participating in WIC. For example, over 40% also thought they would not qualify and over 31% could not get to WIC. For women who think they do not qualify, there are few justifications for persisting with a difficult application process. Other women appear to struggle with logistical barriers to multiple aspects of applying for and getting to WIC.

Demographic characteristics

Among women with application or telephone barriers, 37% were White, 28% were US-born Hispanic, and 22% were foreign-born Hispanic (Figure 19).

Education, parity, and marital status were important characteristics related to application and telephone barriers. Compared to ENPs overall, fewer women reporting application or telephone barriers had any college education (40%) or were married (36%). Level of education is shown in Figure 20. Two-thirds had a prior live birth (Figure 21); these women were more likely to report application or telephone barriers compared to first-time moms.

> *"I needed proof of income and I do not have that."*
> –MIHA respondent

> *"It was a 45 minute or longer wait on the phone to get an appointment."*
> -MIHA respondent

Figure 19. Race/ethnicity among women with application or telephone barriers

White 37%
Hispanic USB 28%
Hispanic FB 22%
Black 6%
Asian/PI FB 4%
Asian/PI USB 2%
Other 1%
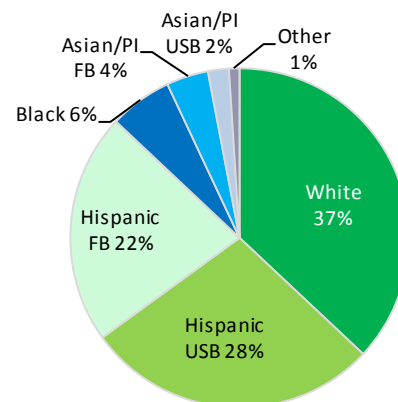
Women with lower education and those caring for older children may have had challenges negotiating the application process or reaching WIC by phone. Those with fewer social resources, such as unmarried women, may have had less access to help overcoming the barriers they encountered.

> *"I was moving as well and someone told me the whole transferring thing was difficult."*
> *-MIHA respondent with Medi-Cal*

Program participation and health insurance

Compared to ENPs overall, women with application or telephone barriers had similar or higher participation in other public programs, suggesting that they either did not experience or were able to overcome similar barriers when enrolling in other programs. Before pregnancy, 31% participated in Medi-Cal. During pregnancy, 64% participated in Medi-Cal and 26% participated in CalFresh.

While it may be difficult for women who have Medi-Cal or CalFresh, or both, to navigate multiple systems during pregnancy, these women should have access to accurate information about the WIC eligibility criteria and application process. Adjunctive eligibility should ease the enrollment process for them.

Figure 20. Education among women with application or telephone barriers

Any college or more 40%

HS diploma (GED) or less 60%
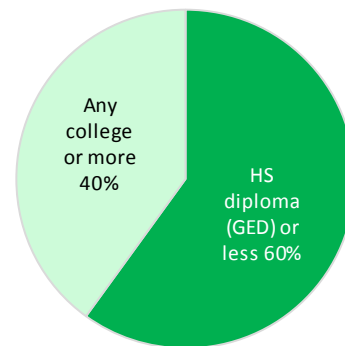
Figure 21. Parity among women with application or telephone barriers

First-time mom 34%

Prior live birth 66%
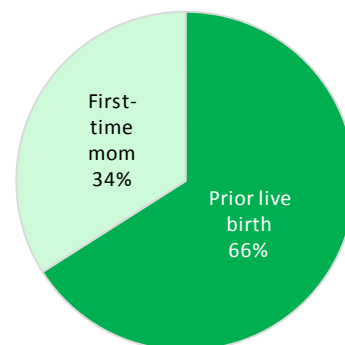
ACCESS ISSUES: APPLICATION OR TELEPHONE BARRIERS
KEY POINTS

- Experiencing application or telephone barriers was not a frequently reported reason for not participating in WIC.

- Most women with application or telephone barriers were White.

- The majority had lower educational attainment and had more children, which may have made negotiating the application process more difficult.

- Many women experiencing application or telephone barriers also reported thinking they would not qualify and struggled with not being able to get to WIC. For these women, there may have been too many barriers to persist in the application process to make it worth the effort.

- However, many women participated in other public programs, indicating that they were able to navigate these programs.

Had a negative view of WIC

Nearly 10% of eligible women did not participate in WIC because of their negative views of the WIC Program, (about 4,200 women). This was the least frequently reported reason for not participating in WIC. The majority of these women reported that they used to be on WIC but did not like it or that they did not want to use WIC vouchers to shop. A smaller group of women wrote in a variety of other related responses including embarrassment, not liking WIC program requirements, not liking foods available to WIC participants, prior negative experiences with WIC, or simply not wanting to be on WIC or on any government program. These negative views are rooted in negative prior experiences with WIC, stigma, and low expected benefits. Some of these women may not be aware of recent enhancements to the food package.

Over half of the women with a negative view of WIC also reported another reason for not participating in WIC, including 35% who did not think they needed WIC and 24% who did not think they qualified, two other reasons often associated with the stigma of participating in a public program. Having a negative view of WIC was not a leading reason for any demographic group.

Demographic characteristics

Among women with a negative view of WIC, the largest group was White women, followed by US-born Hispanic and foreign-born Hispanic women (Figure 22). The majority were English speakers (85%).

"I did not want to eat the brand of foods provided by WIC.
I like to shop at health food stores and buy
highest quality possible."
–MIHA respondent

Figure 22. Race/ethnicity among women with a negative view of WIC

Asian/PI FB 6%
Asian/PI USB 1%
Other 1%
Black 7%
Hispanic FB 12%
White 53%
Hispanic USB 20%

"I just did not feel like going through the whole process all the time. I had stopped and then had to get back on and watch all the videos all the time."
–MIHA respondent
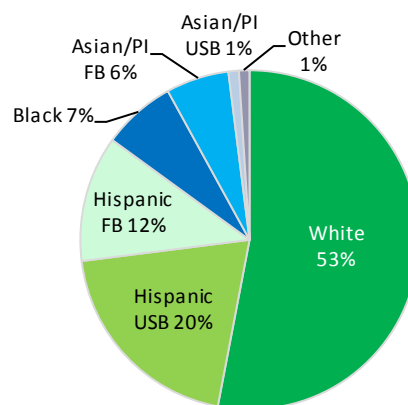
Close to two thirds of women with a negative view of WIC had at least some college education (63%) and 69% had a prior live birth (Figure 23). Because women with a prior live birth are more likely to have had any prior contact with WIC than first-time moms, it follows that more of these women likely had a negative prior experience.

First-time mom 31%

Prior live birth 69%

Program participation and health insurance

Despite their negative view of WIC, women reporting this reason participated in other public programs at levels similar to or higher than ENPs overall. Specifically, 28% had Medi-Cal before pregnancy, 60% had Medi-Cal during pregnancy, and 25% had CalFresh during pregnancy. Women with Medi-Cal and those who were uninsured before pregnancy were more likely than those with private insurance to have a negative view of WIC.

Hardships and need

Women with a negative view of WIC experienced a high level of financial hardships, including income below poverty (48%), food insecurity (16%), and a hard time living on their income (56%), contradicting an assumption that these women have less need for WIC benefits.
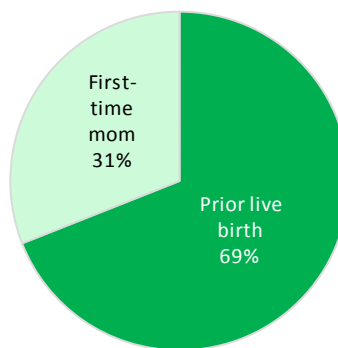
HAD A NEGATIVE VIEW OF WIC KEY POINTS

- Having a negative view of WIC was the least frequently reported reason for not participating in WIC.

- Most women reported that they used to be on WIC but did not like it or that they did not want to use WIC vouchers to shop.

- The majority of women with a negative view of WIC were White, spoke English and had a prior birth.

- Women with a negative view of WIC reported a high level of financial hardships, indicating that WIC could have assisted them.

- Despite their negative view of WIC, these women participated in other public programs, indicating a willingness to accept some form of public program assistance.

Population characteristics and reasons reported by subgroups of eligible non participants

In addition to understanding the characterstics of the women reporting different reasons for not enrolling in WIC, it is also important to examine the main reasons by subgroups so that specific outreach and education can be developed and extended to these groups. The following section describes the reasons for not participating in WIC among ENPs for geographic and population subgroups.

Table 2 shows the reasons reported in the 10 counties with the most births in California. Patterns of reasons reported were very similar across the counties, with a few exceptions. The two leading reasons reported statewide and in each of the counties were not thinking they would qualify for WIC and perceived lack of need for WIC. Compared to ENPs in the rest of the state, more women in Riverside County reported difficulties getting to WIC, while in Fresno County fewer reported application or telephone barriers, and in Santa Clara County fewer had a negative view of WIC.

In the subsequent pages, profiles for selected demographic and socioeconomic subgroups of women in California describe the population size, characteristics and reasons for not participating in WIC. Profiles were created for subgroups by race/ethnicity, prenatal insurance, parity, participation in CalFresh, presence of food insecurity, adolescent maternal age, and income above poverty and at least some college education. Detailed tables for each subgroup are in the appendices.

In general, the two leading reasons reported by most subgroups were thinking they would not qualify and thinking they did not need WIC, with some notable exceptions. Women participating in CalFresh and food insecure women each reported not being able to get to WIC as a leading reason; foreign-born API women reported not knowing about WIC as a leading reason.

Table 2. Reasons for not enrolling in WIC during pregnancy among eligible nonparticipants (ENPs) in the ten counties with the most births.

	All ENPs	Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application or telephone barriers			Negative view of WIC		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
California	53,600	**40**	37.1 - 43.6	18,200	**35**	31.6 - 37.7	15,600	**16**	13.2 - 18.4	7,100	**14**	11.8 - 15.9	6,200	**10**	8.0 - 12.1	4,500	**9**	7.7 - 10.9	4,200
County																			
Alameda	1,800	⬩ **39**	27.9 - 49.3	600	⬩ **36**	25.0 - 46.4	600	⬩ **22**	13.1 - 31.1	400	⬩ **21**	12.2 - 29.4	300	⬩ **15**	6.4 - 23.6	200	⬩ **7**	3.6 - 10.2	100
Fresno	2,000	⬩ **37**	28.1 - 45.0	600	⬩ **35**	26.9 - 43.5	500	⬩ **11**	4.4 - 16.6	200	⬩ **18**	11.2 - 25.3	300	↓ **4** * 1.3 - 6.6	100	⬩ **7** * 2.2 - 11.0	100
Kern	1,300	⬩ **40**	28.8 - 51.7	400	⬩ **36**	25.4 - 47.1	400	⬩ **10** * 2.0 - 17.9	100	⬩ **10** * 2.5 - 17.9	100	⬩ **6** * 1.9 - 9.8	100	⬩ **15** * 4.2 - 25.7	200
Los Angeles	10,200	⬩ **41**	28.7 - 53.8	3,300	⬩ **35**	23.7 - 47.2	2,800	⬩ **22**	12.1 - 32.7	1,800	⬩ **8** * 1.6 - 14.2	600	⬩ **9** * 0.7 - 16.5	700	⬩ **7** * 2.6 - 12.3	600
Orange	3,800	⬩ **35**	23.5 - 46.8	1,200	⬩ **43**	30.7 - 54.8	1,400	⬩ **19**	9.6 - 28.1	600	⬩ **10** * 3.6 - 16.4	300	⬩ **7** * 1.0 - 13.1	200	⬩ **12**	5.5 - 18.4	400
Riverside	3,600	⬩ **39**	29.9 - 47.8	1,200	⬩ **36**	27.6 - 44.3	1,100	⬩ **13** * 5.1 - 20.0	400	↑ **21**	13.4 - 29.2	600	⬩ **13**	8.0 - 18.1	400	⬩ **10**	5.7 - 14.9	300
Sacramento	3,000	⬩ **43**	33.1 - 53.7	1,100	⬩ **31**	23.2 - 39.7	800	⬩ **12**	6.2 - 18.3	300	⬩ **17**	9.8 - 23.9	400	⬩ **8**	3.2 - 11.8	200	⬩ **11**	5.0 - 16.7	300
San Bernardino	4,500	⬩ **38**	30.3 - 46.1	1,500	⬩ **32**	25.2 - 39.4	1,200	⬩ **10**	4.7 - 14.7	400	⬩ **18**	12.3 - 23.2	700	⬩ **12**	7.5 - 16.0	500	⬩ **11**	5.7 - 15.5	400
San Diego	5,000	⬩ **46**	33.4 - 59.3	1,900	⬩ **31**	18.9 - 42.3	1,300	⬩ **21**	10.1 - 32.7	900	⬩ **13** * 4.3 - 22.6	600	⬩ **14** * 4.3 - 24.5	600	⬩ **11** * 2.7 - 19.5	500
Santa Clara	2,700	⬩ **32**	20.4 - 44.4	700	⬩ **35**	21.7 - 47.3	800	⬩ **22**	10.7 - 32.9	500	⬩ **10** * 2.5 - 18.2	200	⬩ **10** * 2.2 - 18.1	200	↓ **4**	2.0 - 5.8	100

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

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Symbols indicate whether the prevalence of the reason was statistically different from the rest of the state (p-value <.05, chi-square test). Percentages of women who reported each reason are calculated out of all eligible nonparticipants (ENPs), within each county or California, who gave a reason for not enrolling in WIC during pregnancy. ENPs are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database.

White eligible nonparticipants

Characteristics

White women made up 36% of WIC ENPs (18,900 women). Compared to ENPs overall, a larger percentage of White ENPs spoke English (94%) and were first-time moms (48%).

White women had similar levels of hardships as ENPs overall, including income below poverty (42%), difficulty living on their income (55%), and food insecurity (17%). They participated in public programs during pregnancy at similar levels compared to ENPs overall, including Medi-Cal (49%) and CalFresh (21%). Compared to all ENPs, a smaller percentage of White women were on Medi-Cal before pregnancy (19%).

Reasons for not enrolling in WIC during pregnancy

The two most common reasons reported by eligible White women for not participating in WIC were not thinking they needed WIC (42%, 7,400 women) and not thinking they would qualify (35%, 6,100 women). Less commonly reported reasons were not knowing about WIC (14%, 2,500 women), having a negative view of WIC (12%, 2,100 women), not being able to get to WIC (10%, 1,800 women), and application or telephone barriers (9%, 1,600 women).

Compared to other racial/ethnic groups, White women were more likely to report they did not need WIC, and that they had a negative view of WIC. White women were less likely than Hispanic and API women to think that they would not qualify and were less likely than US-born Hispanic women to report that they could not get to WIC.

Figure 24. Reasons for not enrolling in WIC among White ENPs
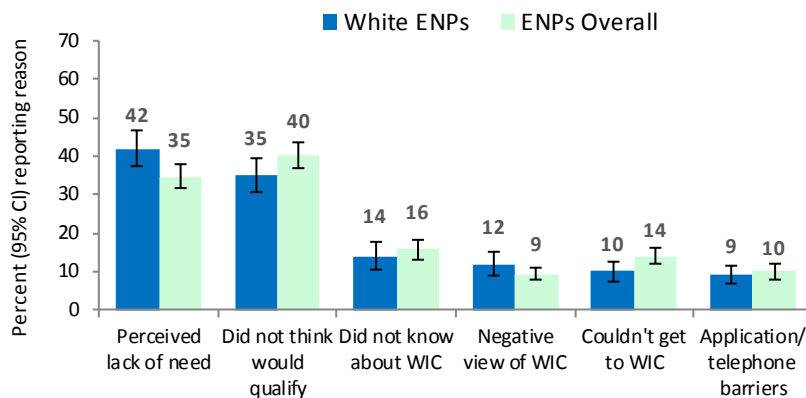
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

US-born Hispanic eligible nonparticipants

Characteristics

US-born Hispanic women made up 23% of WIC ENPs (12,100 women). Compared to ENPs overall, a larger percentage of US-born Hispanic ENPs were ages 15 to 24 years (44%), and a smaller percentage were married (37%). Other characteristics were not different: 9% of US-born Hispanic women mostly spoke Spanish and 35% were first-time moms.

Compared to ENPs overall, US-born Hispanic women had similar levels of hardships, including income below poverty (53%), difficulty living on their income (55%), and food insecurity (24%). They had similar levels of health insurance and public program participation, such as Medi-Cal before pregnancy (31%) and during pregnancy (48%), and CalFresh during pregnancy (27%). A smaller percentage of US-born Hispanic ENPs were uninsured before pregnancy (23%).

Reasons for not enrolling in WIC during pregnancy

The three most common reasons reported by US-born Hispanic ENPs for not enrolling in WIC were not thinking they would qualify (45%, 4,400 women), not thinking they needed WIC (29%, 2,800 women), and not being able to get to WIC (21%, 2,000 women). Less common reasons were application or telephone barriers (12%, 1,200 women), not knowing about WIC (11%, 1,000 women), and having a negative view of WIC (8%, 800 women).

Compared to White ENPs, US-born Hispanic ENPs were more likely to think they would not qualify for WIC and have difficulties getting to WIC, but were less likely to think they did not need WIC.

Figure 25. Reasons for not enrolling in WIC among US-born Hispanic ENPs
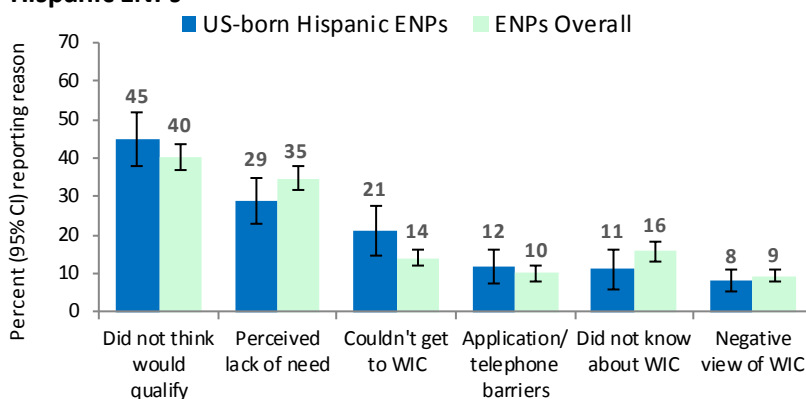
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Foreign-born Hispanic eligible nonparticipants

Characteristics

Foreign-born Hispanic women made up 17% of WIC ENPs (8,800 women). Compared to ENPs overall, more foreign-born Hispanic women were Spanish speakers (70%) and had a high school degree or less education (69%), and fewer were ages 15-24 years (23%) or first-time moms (27%). There was no difference in the percentage who were married (52%).

Compared to ENPs overall, more foreign-born Hispanic women had any financial hardship (84%), income below poverty (62%), or no insurance before pregnancy (44%). Levels of public program participation were lower in general for this group, including Medi-Cal before pregnancy (19%) and CalFresh during pregnancy (11%). However, there was no difference in Medi-Cal during pregnancy (55%).

Reasons for not enrolling in WIC during pregnancy

By far, the most common reason reported by eligible foreign-born Hispanic women for not participating in WIC was not thinking they would qualify (51%, 3,600 women), followed by not thinking they needed WIC (28%, 1,900 women). Less common reasons were not being able to get to WIC (16%, 1,200 women), not knowing about WIC (14%, 1,000 women), application or telephone barriers (13%, 1,000 women), and having a negative view of WIC (7%, 500 women).

Foreign-born Hispanic ENPs were more likely than White ENPs to think they would not qualify for WIC, and were less likely to think they did not need WIC.

Figure 26. Reasons for not enrolling in WIC among foreign-born Hispanic ENPs
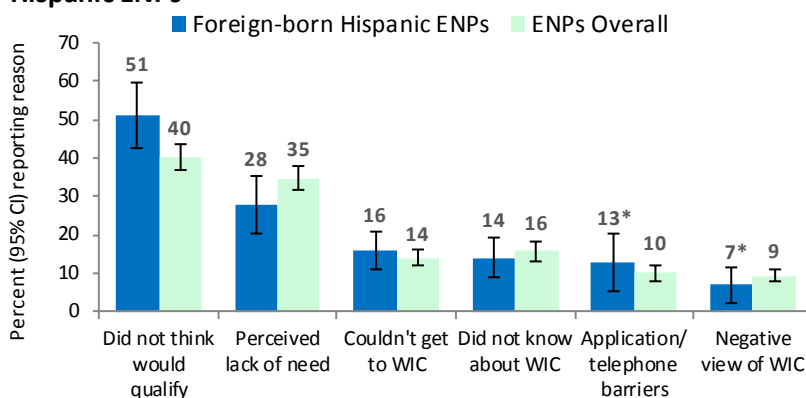
* Estimate should be interpreted with caution due to low statistical reliability.
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Foreign-born Asian/Pacific Islander (API) eligible nonparticipants

Characteristics

Foreign-born API women made up 11% of WIC ENPs (5,700 women). Compared to ENPs overall, more foreign-born API women were non-English speakers (63%), married (86%), and had at least some college education (78%). Fewer were ages 15-24 years (11%). There was no difference in the percentage that were first-time moms (49%).

Compared to ENPs overall, fewer foreign-born API women had an income below poverty (27%), but there was no difference in food insecurity (11%). In addition, there were no differences in health insurance and public program participation, such as Medi-Cal (23%) or lack of insurance (31%) before pregnancy, or Medi-Cal (38%) or CalFresh (20%) during pregnancy.

Reasons for not enrolling in WIC during pregnancy

The three most common reasons eligible foreign-born API women reported for not participating in WIC were not thinking they would qualify (46%, 1,900 women), not knowing about WIC (36%, 1,500 women), and not thinking they needed WIC (25%, 1,100 women). Less common reasons were not being able to get to WIC (4%, 200 women), having a negative view of WIC (5%, 200), and application or telephone barriers (4%, 200 women).

Foreign-born API ENPs were more likely than White women to think they would not qualify for WIC. Women who spoke Asian or other languages at home reported that they did not know about WIC at a higher level than English speakers.[a]

Figure 27. Reasons for not enrolling in WIC among foreign-born API ENPs
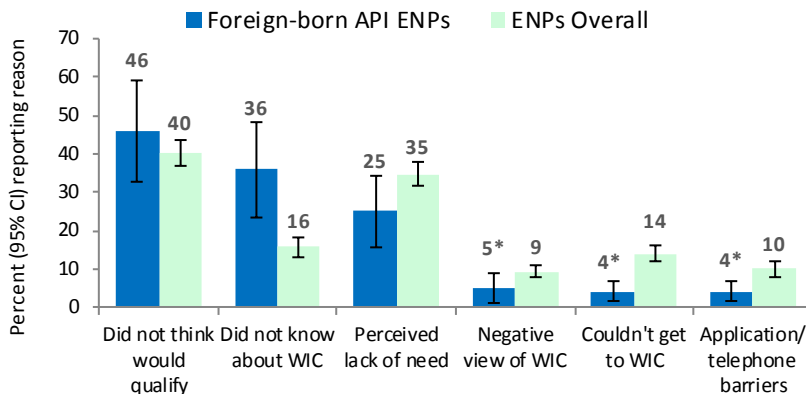
* Estimate should be interpreted with caution due to low statistical reliability.
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

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[a] Foreign-born API women and those who speak Asian or other languages may be underrepresented in the MIHA survey, which is only offered in English and Spanish.

Black eligible nonparticipants

Characteristics
Black women made up 8% of WIC ENPs (4,000 women). Compared to ENPs overall, more Black women were English speakers (94%) and not married (75%). There were no differences in the percentage of women who were 15-24 years of age (38%), had a high school diploma or less (31%), or were first-time moms (31%).

Compared to ENPs overall, more Black women had an income below poverty (71%), but there was no difference in food insecurity (18%). More Black women participated in Medi-Cal before (45%) and during pregnancy (74%), and participated in CalFresh during pregnancy (58%).

Reasons for not enrolling in WIC during pregnancy
The three most common reasons reported by eligible Black women for not participating in WIC were not thinking they needed WIC (37%, 1,200 women), not thinking they would qualify (29%, 900 women), and not being able to get to WIC (23%, 700 women). Less common reasons were having a negative view of WIC (9%, 300 women), not knowing about WIC (8%, 300 women), and application or telephone barriers (8%, 300 women).

Figure 28. Reasons for not enrolling in WIC among Black ENPs
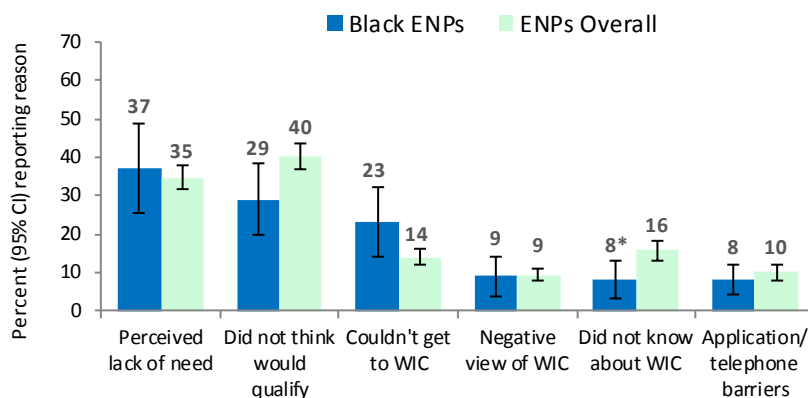
* Estimate should be interpreted with caution due to low statistical reliability.
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

US-born Asian/Pacific Islander (API) eligible nonparticipants

Characteristics

US-born API women made up 4% of WIC ENPs (1,900 women). There were no differences in the demographic characteristics of US-born API ENPs and ENPs overall. Among US-born API ENPs, 14% were non-English speakers, 35% were ages 15-24 years, 32% had a high school diploma or less education, 35% were first-time moms and 47% were married.

There were few differences in hardships, health insurance, and public program participation between US-born API women and ENPs overall. Among US-born API women, 39% had an income below poverty and 19% were food insecure. A greater percentage of US-born API women were on Medi-Cal before pregnancy (44%), but there was no difference in being uninsured before pregnancy (28%), or having Medi-Cal (55%) or CalFresh (18%) during pregnancy.

Reasons for not enrolling in WIC during pregnancy

By far the most common reason reported by eligible US-born API women for not participating in WIC was not thinking they would qualify (50%, 800 women), followed by not thinking they needed WIC (21%, 300 women), not knowing about WIC (18%, 300 women) and not being able to get to WIC (13%, 200 women). Less common reasons were application or telephone barriers (6%, 100 women) and having a negative view of WIC (3%, <100 women).

US-born API ENPs were more likely than White women to think they would not qualify for WIC and were less likely than White women to think they did not need WIC.

Figure 29. Reasons for not enrolling in WIC among US-born API ENPs
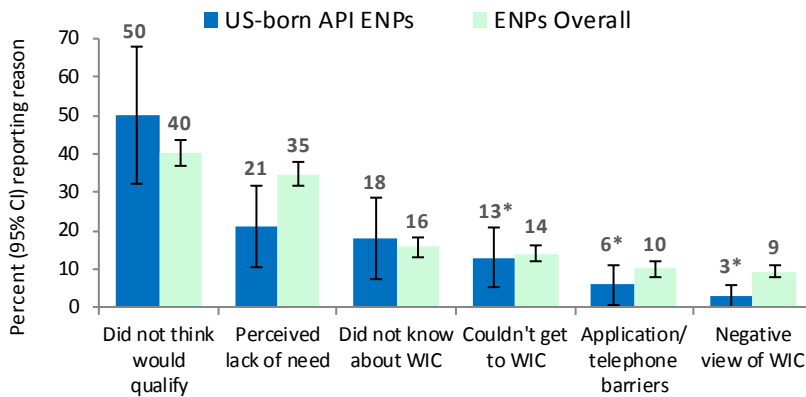
* Estimate should be interpreted with caution due to low statistical reliability.
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

American Indian/Alaska Native[b] (AIAN) eligible nonparticipants

Characteristics

AIAN women made up 2% of WIC ENPs (1,100 women). Because of the small number of women in this group, few differences between AIAN women and ENPs overall were observed. Compared to ENPs overall, a larger percentage of AIAN women spoke English (100%) and a smaller percentage were married (34%). There were no differences in the percentage of women who were 15-24 years of age (35%), had a high school diploma or less education (47%), or were first-time moms (41%).

There were also few differences in hardships, health insurance, and public program participation. Among AIAN women, 63% had an income below poverty and 28% were food insecure. In addition, 31% were uninsured and 35% had Medi-Cal before pregnancy, and 61% had Medi-Cal during pregnancy. Compared to ENPs overall, more AIAN women participated in CalFresh (43%) during pregnancy.

Reasons for not enrolling in WIC during pregnancy

The two most common reasons reported by eligible AIAN women for not participating in WIC were not thinking they would qualify (38%, 300 women) and not thinking they needed WIC (33%, 300 women). Other reasons included having a negative view of WIC (16%, 100 women), not knowing about WIC (14%, 100 women), not being able to get to WIC (14%, 100 women), and application or telephone barriers (11%, 100 women).

Figure 30. Reasons for not enrolling in WIC among AI/AN ENPs
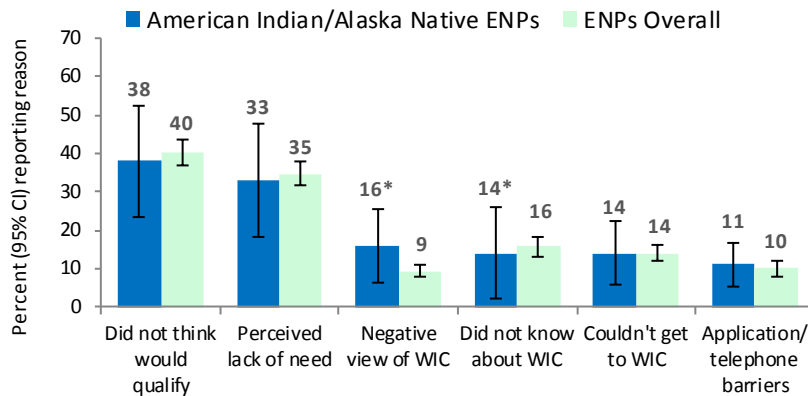
* Estimate should be interpreted with caution due to low statistical reliability.
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

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[b] Women who identify as American Indian/Alaska Native in any race category on the birth certificate, regardless of Hispanic origin, and who are born in the United States are defined as American Indian/Alaska Native in this report. This group is not mutually exclusive of other racial/ethnic groups.

Eligible nonparticipants with Medi-Cal for prenatal care

Characteristics

The majority of women with Medi-Cal for prenatal care are adjunctively eligible for WIC, that is, they automatically qualify for WIC due to their participation in Medi-Cal. Each year, approximately 27,400 women with Medi-Cal for prenatal care were eligible, but did not participate in WIC prenatally. These women accounted for half (51%) of the prenatal WIC ENP population. Many women enroll in Medi-Cal only for pregnancy because of expanded eligibility criteria that allow women with higher incomes and undocumented immigrants to obtain Medi-Cal during their pregnancies. Only 38% had Medi-Cal before pregnancy, while 44% were uninsured and 16% had private insurance at that time. This report covers the period prior to the full implementation of the Affordable Care Act. Strategies to increase WIC enrollment among Medi-Cal participants should consider the implications of expanding Medi-Cal eligibility and streamlined enrollment processes for health insurance that are part of health care reform.

In general, the racial/ethnic distribution of ENPs with Medi-Cal for prenatal care was similar to that of ENPs overall. Among those with Medi-Cal, 35% were White, 22% were US-born Hispanic, 18% were foreign-born Hispanic, 11% were Black, 8% were foreign-born API, and 4% were US-born API.

Compared to ENPs overall, a slightly higher percentage had a high school diploma or less education (46%), while a smaller percentage were married (41%). There were no differences in other demographic characteristics such as age 15-24 years (37%), speaking English (75%) or being a first-time mom (36%).

ENPs with Medi-Cal during pregnancy were different from the overall group in terms of hardships and public program participation. Among ENPs with Medi-Cal for prenatal care, more had an income below poverty (61%), but there was no difference in food insecurity (20%). More ENPs with Medi-Cal for prenatal care participated in CalFresh during pregnancy (34%).

Reasons for not enrolling in WIC during pregnancy

The reasons reported by women with prenatal Medi-Cal were not thinking they needed WIC (35%, 7,700), not thinking they would qualify for WIC (33%, 7,400), not being able to get to WIC (18%, 4,100), not knowing about WIC (13%, 2,800 women), application or telephone barriers (13%, 2,800), and having a negative view of WIC (11%, 2,500 women).

Despite adjunctive eligibility, ENPs with prenatal Medi-Cal were just as likely to not know about WIC or not think they qualified as other women.

Figure 31. Reasons for not enrolling in WIC among ENPs with Medi-Cal
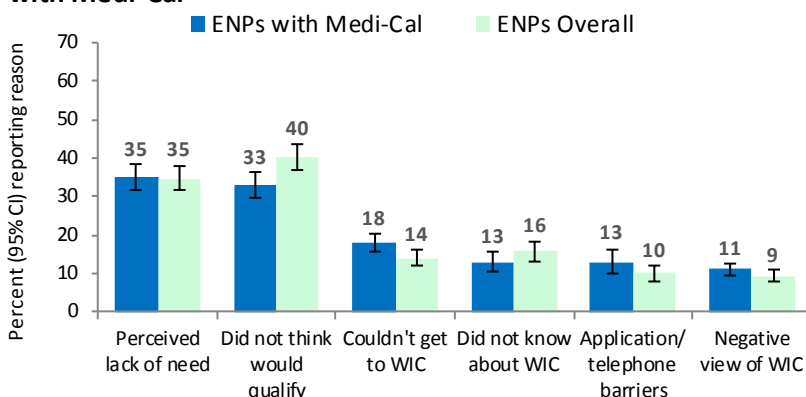
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Eligible nonparticipants with private insurance for prenatal care

Characteristics

Each year, approximately 20,400 women who had private insurance for prenatal care were eligible, but not enrolled in WIC during pregnancy. These women accounted for 38% of the prenatal WIC ENP population.

In general, the racial/ethnic distribution of ENPs with private insurance for prenatal care was similar to ENPs overall. Among those with private insurance, 38% were White, 25% were US-born Hispanic, 15% were foreign-born Hispanic, 14% were foreign-born API, and 4% were US-born API. Fewer women with private insurance for prenatal care were Black (4%) compared to ENPs overall.

Compared to ENPs overall, fewer ENPs with private insurance for prenatal care were ages 15-24 years (22%) or had no more than a high school diploma (30%), though more were married (66%). There were no differences in other demographic characteristics, such as speaking English (80%) or being a first-time mom (44%).

Compared to ENPs overall, fewer with prenatal private insurance had income below poverty (33%), but the percentage with food insecurity was similar (16%). In addition, fewer were uninsured (10%) or had Medi-Cal (11%) before pregnancy, and fewer participated in CalFresh during pregnancy (7%).

Reasons for not enrolling in WIC during pregnancy

Among women with private insurance during pregnancy, the most common reason for not participating in WIC was not thinking they would qualify (50%, 9,200 women). Other common reasons were not thinking they needed WIC (36%, 6,500 women) and not knowing about WIC (18%, 3,300 women). Less common reasons were not being able to get to WIC (9%, 1,600 women), application or telephone barriers (7%, 1,200 women), and having a negative view of WIC (7%, 1,200 women).

Figure 32. Reasons for not enrolling in WIC among ENPs with private insurance
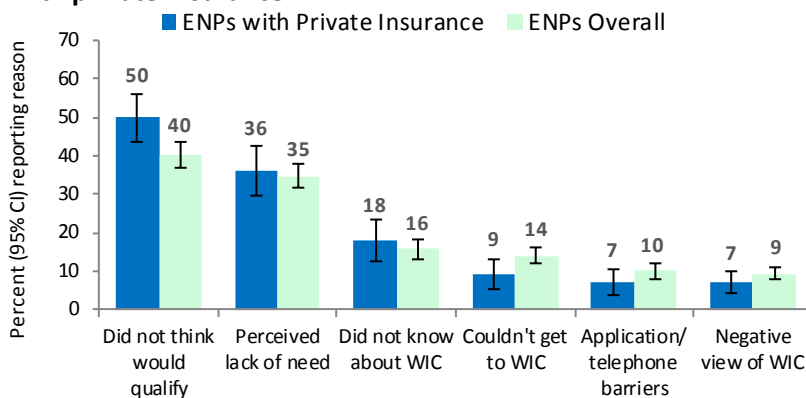
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Eligible nonparticipants who participated in CalFresh during pregnancy

Characteristics

Each year, approximately 12,500 women who participated in CalFresh during pregnancy were eligible, but did not participate in WIC. These women accounted for 23% of the prenatal WIC ENP population. Women who participate in CalFresh are adjunctively eligible for WIC, that is, they automatically qualify for WIC due to their participation in CalFresh.

Among ENPs with CalFresh, 32% were White, 27% were US-born Hispanic, 19% were Black, 9% were foreign-born API, 8% were foreign-born Hispanic, and 3% were US-born API. More ENPs with CalFresh were Black and fewer were foreign-born Hispanic.

Compared to ENPs overall, there were many differences in the demographics of those with CalFresh. They were younger and had lower education, there were fewer first-time moms, and fewer were married. Among these women, 41% were ages 15-24 years, 53% had a high school diploma or less education, 20% were first-time moms, and 29% were married. There was no difference in speaking English (85%).

ENPs with CalFresh during pregnancy were different from the overall group in terms of hardships and public program participation. Among ENPs with CalFresh, a larger percentage had an income below poverty (84%), difficulty living on their income (76%) and food insecurity (28%). A larger percentage of ENPs with CalFresh had Medi-Cal before pregnancy (63%) and during pregnancy (75%).

Reasons for not enrolling in WIC during pregnancy

Among women who participated in CalFresh during pregnancy, the most common reasons for not participating in WIC were not being able to get to WIC (33%, 2,900 women), not thinking they needed WIC (28%, 2,400 women) and not thinking they qualified for WIC (19%, 1,700 women). Other reasons included application or telephone barriers (14%, 1,200 women), having a negative view of WIC (12%, 1,100 women), and not knowing about WIC (9%, 800 women).

ENPs who participated in CalFresh were more likely to have difficulty getting to WIC and less likely to think they did not qualify for WIC than women without CalFresh.

Figure 33. Reasons for not enrolling in WIC among ENPs with CalFresh
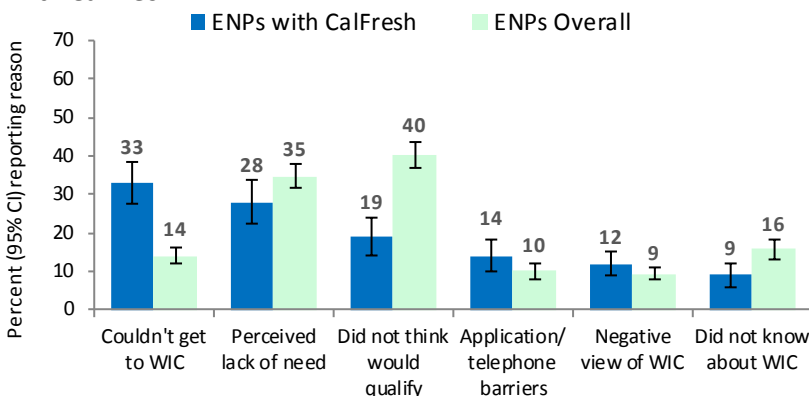
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Eligible nonparticipants who were food insecure during pregnancy

Characteristics

Each year, approximately 10,100 women who were food insecure during pregnancy were eligible, but did not participate in WIC prenatally. These women accounted for 19% of the prenatal WIC ENP population.

Among food insecure ENPs, 33% were White, 30% were US-born Hispanic, 19% were foreign-born Hispanic, 7% were Black, 6% were foreign-born API, and 4% were US-born API.

Compared to ENPs overall, food insecure women had lower education (50% had no more than a high school diploma) and fewer were married (37%). There were no differences in other demographic characteristics: 78% spoke English, 35% were ages 15-24, 51% were ages 25-34, 13% were ages 35 and older, and 31% were first-time moms.

Food insecure ENPs had more financial hardships than the overall group: 66% had an income below poverty and 87% had difficulty living on their income. There was no difference in Medi-Cal before (29%) or during (55%) pregnancy, but CalFresh participation was higher (34%) among food insecure ENPs compared to ENPs overall.

Reasons for not enrolling in WIC during pregnancy

By far the most common reason reported by women with food insecurity during pregnancy for not participating in WIC was not thinking they would qualify (50%, 4,100 women). Other common reasons were not being able to get to WIC (23%, 1,900 women) and application or telephone barriers (17%, 1,400 women). Less common reasons were not knowing about WIC (14%, 1,100 women), not thinking they needed WIC (10%, 800 women), and having a negative view of WIC (8%, 700 women).

Compared to food secure ENPs, those with food insecurity during pregnancy were more likely to think that they did not qualify, but were less likely to think they did not need WIC.

Figure 34. **Reasons for not enrolling in WIC among ENPs who were food insecure**
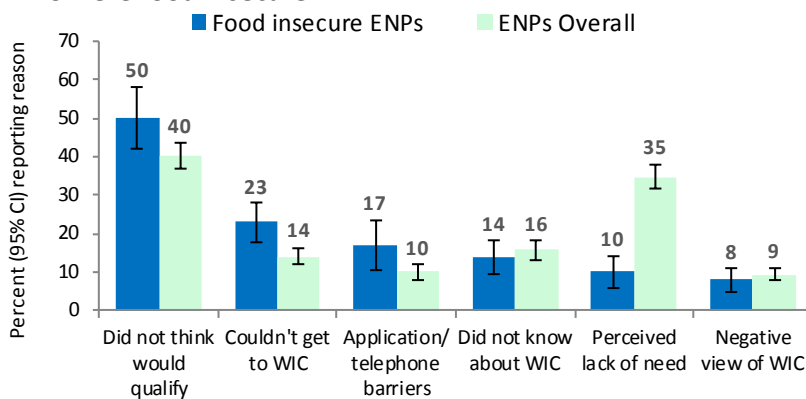
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Eligible nonparticipants who were first-time moms

Characteristics
Each year, approximately 21,300 women who had their first live birth were eligible, but not enrolled in WIC during pregnancy. These women accounted for 40% of the prenatal WIC ENP population.

Among these first-time moms, 44% were White, 21% were US-born Hispanic, 12% were foreign-born Hispanic, 13% were foreign-born API, 6% were Black, and 3% were US-born API. Compared to ENPs overall, the racial/ethnic distribution was very similar, except that a smaller percentage were foreign-born Hispanic.

First-time moms were younger when compared to all ENPs. About 46% were ages 15-24 years. There were no differences compared to all ENPs in other demographic characteristics, such as speaking English (76%), having a high school diploma or less (33%), or being married (45%).

Compared to all ENPs, many fewer first-time moms had Medi-Cal before pregnancy (12%) or participated in CalFresh during pregnancy (12%), but there was no difference for Medi-Cal during pregnancy (46%). First-time moms faced hardships at similar levels compared to ENPs, including income below poverty (43%) and food insecurity (15%).

Reasons for not enrolling in WIC during pregnancy
The three most common reasons reported by first-time moms for not participating in WIC were not thinking they would qualify (39%, 7,400 women), not thinking they needed WIC (38%, 7,200 women), and not knowing about WIC (25%, 4,800 women). Other, less common reasons were not being able to get to WIC (9%, 1,800 women), having application or telephone barriers (8%, 1,500 women), and having a negative view of WIC (7%, 1,300 women).

First-time moms were more likely than moms with a prior live birth to report that they did not know about WIC as a reason for not enrolling in WIC during pregnancy, and were less likely to report application or telephone barriers, or to have a negative view of WIC.

Figure 35. Reasons for not enrolling in WIC among ENPs who were first-time moms
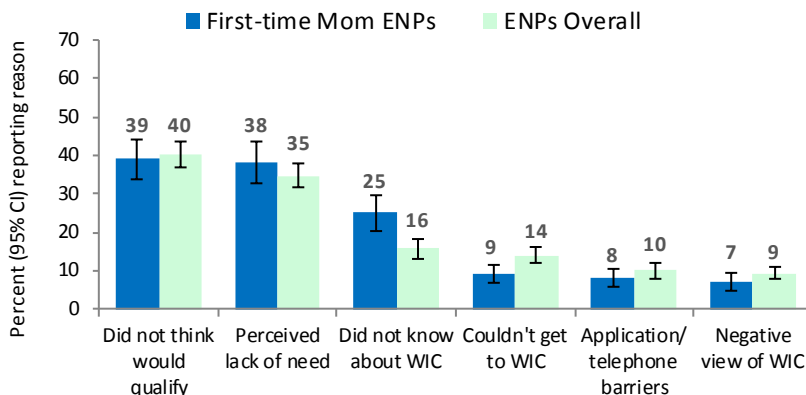
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Eligible nonparticipants who had a prior live birth

Characteristics

Each year, approximately 32,300 women who had a prior live birth were eligible, but not enrolled in WIC during pregnancy. These women accounted for 60% of the prenatal WIC ENP population.

Among these women with a prior live birth, 31% were White, 25% were US-born Hispanic, 20% were foreign-born Hispanic, 9% were foreign-born API, 9% were Black, and 4% were US-born API. Compared to ENPs overall, the race/ethnic distribution was very similar.

Moms with a prior live birth were older compared to all ENPs. About 23% were ages 15-24 years, 57% were ages 25-34 years, and 20% were 35 years or older. There were no differences in other demographic characteristics, such as speaking English (76%), having no more than a high school diploma (44%), or being married (55%).

Compared to all ENPs, more moms with a prior live birth had Medi-Cal before pregnancy (35%), or participated in CalFresh during pregnancy (31%), but there was no difference for Medi-Cal during pregnancy (55%). More moms with a prior live birth reported difficulty living on their income (62%), though they had no difference in income below poverty (53%) and food insecurity (22%).

Reasons for not enrolling in WIC during pregnancy

Among women with a prior live birth, the most common reasons for not participating in WIC were not thinking they would qualify (41%, 10,700 women), not thinking they needed WIC (32%, 8,400 women), and not being able get to WIC (17%, 4,500 women). Other, less common reasons were application or telephone barriers (11%, 3,000 women), having a negative view of WIC (11%, 2,900 women), and not knowing about WIC (9%, 2,300 women).

Moms with a prior live birth were more likely than first-time moms to have application or telephone barriers and to have a negative view of WIC. They were less likely to not know about WIC.

Figure 36. Reasons for not enrolling in WIC among ENPs who had a prior live birth
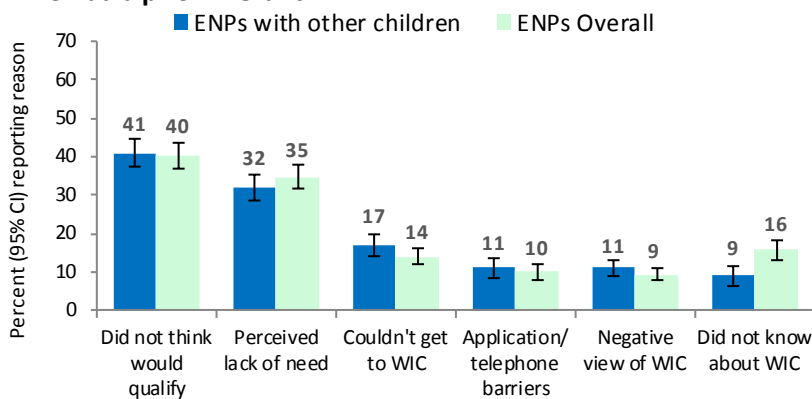
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Eligible nonparticipants ages 15-19

Characteristics

Each year, approximately 3,800 women ages 15-19 years old were eligible, but did not participate in WIC during pregnancy. These women accounted for 7% of the prenatal WIC ENP population.

Among adolescent ENPs, 47% were US-born Hispanic, 30% were White, 11% were foreign-born Hispanic, 6% were Black, and 3% were US-born API. There were more US-born Hispanics among adolescents than among ENPs overall.

Compared to ENPs overall, more adolescents were first-time moms (77%) and fewer were married (12%). There was no difference in language spoken (79% spoke English).

There were no differences in financial hardships with the overall group. Among adolescents, 25% were food insecure and 54% had difficulty living on their income. There was no difference in Medi-Cal before (30%) or during (58%) pregnancy, or CalFresh participation during pregnancy (20%).

Reasons for not enrolling in WIC during pregnancy

Commonly reported reasons among adolescents for not participating in WIC during pregnancy were not thinking they would qualify (29%, 800 women), not thinking they needed WIC (26%, 700 women), not knowing about WIC (24%, 700 women), and not being able to get to WIC (20%, 600 women). Less commonly reported reasons were application or telephone barriers (14%, 400 women) and having a negative view of WIC (8%, 200 women).

Figure 37. Reasons for not enrolling in WIC among ENPs ages 15-19
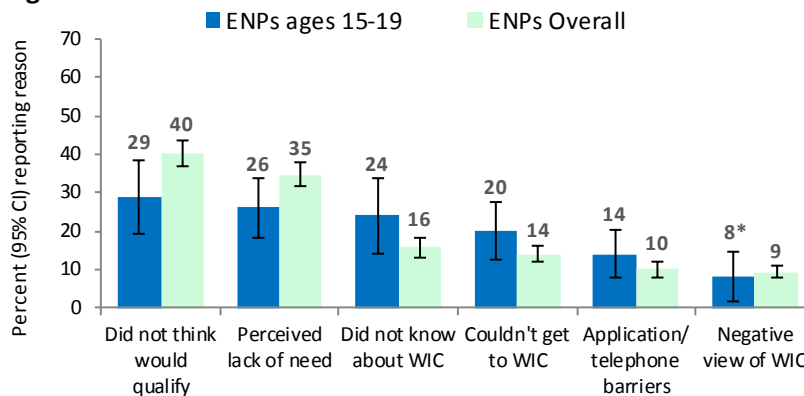
* Estimate should be interpreted with caution due to low statistical reliability.
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Eligible nonparticipants with incomes above poverty and at least some college education

Characteristics

Each year, approximately 19,400 women who had an income above poverty and at least some college education were eligible, but not enrolled in WIC.

Among these women, 45% were White, 20% were US-born Hispanic, 17% were foreign-born API, 8% were foreign-born Hispanic, 5% were Black, and 5% were US-born API.

Women with higher income and education were older when compared to all ENPs. About 63% were ages 25-34 years and 19% were ages 35 and older. Approximately 70% were married. There were no differences with all ENPs in other demographic characteristics, such as speaking English (81%) or being a first-time mom (47%).

Few women with higher income and education had Medi-Cal before pregnancy (9%), or participated in CalFresh during pregnancy (7%), though 38% had Medi-Cal during pregnancy. Despite higher education and relatively higher income, many of these women reported difficulty living on their income (47%) and food insecurity (12%).

Reasons for not enrolling in WIC during pregnancy

Among women with higher income and education, the two most common reasons for not participating in WIC were not thinking they would qualify (47%, 8,400 women) and not thinking they needed WIC (42%, 7,600 women). Other, less common reasons were not knowing about WIC (15%, 2,800 women), having a negative view of WIC (9%, 1,600 women), not being able to get to WIC (5%, 900 women), and application or telephone barriers (5%, 900 women).

Figure 38. Reasons for not enrolling in WIC among ENPs with with higher income and some college
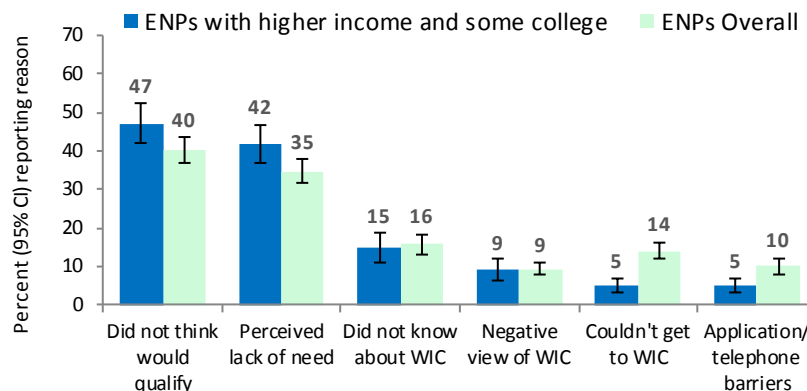
Note: 95% confidence intervals (95% CI) are shown as thin black lines extending above and below the bars.

Conclusion

This report uses data from the 2010-2012 MIHA survey to provide new insights into why eligible women do not participate in WIC during pregnancy. Between the years 2010 and 2012, approximately 11% of the women with a live birth in California were eligible but did not participate in WIC during pregnancy, about 53,600 women each year. These WIC ENPs reflect California's unique socio-demographic diversity in terms of race, ethnicity, language spoken at home, maternal age, parity, and education. In addition, ENPs have health and psychosocial risk factors for poor birth outcomes that could be addressed by WIC, such as food insecurity, self-reported poor health, or dietary risk.

Overall, the leading reasons for not enrolling in WIC during pregnancy were not thinking they would qualify (40%) and not thinking they needed WIC (35%). Reasons less commonly reported by women were not knowing about WIC (16%) and difficulty getting to WIC (14%). The least common reasons were application or telephone barriers (10%) and having a negative view of WIC (9%).

The results presented in this report suggest a number of opportunities for outreach to ENPs to address nonparticipation in WIC:

- White women and English speakers constituted the largest proportion of ENPs, and were generally the largest groups among women reporting each reason for nonparticipation.

- Women who did not think they would qualify for WIC experienced relatively lower levels of poverty, but reported other hardships including food insecurity and difficulty living on their income. Messages describing the range of WIC benefits in addition to qualification criteria might resonate with these women.

- Though it was a leading reason among all racial/ethnic groups, Hispanic and API women were more likely to think that they would not qualify for WIC than other racial/ethnic groups. Outreach strategies describing eligibility during pregnancy could focus on these communities.

- Women who thought they did not need WIC reported relatively lower levels of financial hardships, particularly food insecurity, but they reported similar levels of health and psychosocial risks as other ENPs. Messages emphasizing the health benefits of WIC may be effective with women who perceive themselves as having less financial need for WIC.

- First-time moms were more likely to not know about WIC. They may have had fewer opportunities to learn about WIC than women who experienced a previous pregnancy.

- Foreign-born API women made up one in four women who did not know about WIC. Additionally, non-English speakers were more likely to report not knowing about WIC than English speakers. These women lacked the most basic information about WIC and would have benefitted from enhanced outreach using linguistically and culturally appropriate strategies.

- More than one in three women who did not think they qualified for WIC or did not know about WIC were enrolled in Medi-Cal during pregnancy, despite automatically qualifying for WIC through adjunctive eligibility. WIC could continue ongoing efforts to strengthen its partnerships with Medi-Cal and CalFresh to ensure all women are aware of their adjunctive eligibility for WIC.

- Women with private insurance made up approximately half of the women who did not think they qualified for WIC, did not think they needed WIC, and did not know about WIC. New partnerships could be established with private insurers to educate women about the WIC program. Additionally, all prenatal care providers, particularly those serving privately insured women, could be encouraged to provide information about WIC to their patients.

- ENPs who had difficulty getting to WIC had lower educational attainment, more children, and a high level of financial hardships. They reported a high level of participation in other public programs including CalFresh and Medi-Cal. Women with few resources and who may be participating in other public programs might benefit from efforts to reduce logistical barriers.

- Many women who reported application or telephone barriers had lower educational attainment and older children, which may have made negotiating the application process more difficult. However, many also participated in Medi-Cal and CalFresh. These women could be informed of adjunctive eligibility, which should ease the application process for them.

- Most women with a negative view of WIC reported that they used to be on WIC but did not like it or did not want to use WIC vouchers to shop. Despite their negative view of WIC, many had financial hardships and participated in other public programs. Messages emphasizing the changes to the food package may address some women's negative perceptions of WIC.

The characteristics of ENPs and reported reasons for not participating in WIC described in this report complement previous work that estimated the number of women eligible for WIC and identified the geographic location of WIC ENPs.[1,7,8] In addition, profiles for demographic and socioeconomic subgroups of women describe their characteristics and reasons for not participating in WIC, while the appendix tables can provide detailed information for more in-depth investigation. Together, these results can be used by state and local WIC program directors to customize outreach strategies to address specific barriers among their respective ENP populations.

Appendices

Technical documentation

Technical documentation

Linkage of records from WIC MIS to the Birth Statistical Master File

A query from the WIC program participant database, Managment Information System (WIC MIS), extracted all prenatal, post-partum, and infant records for births in the calendar years 2010-2012. WIC MIS data were entered by WIC staff during each client visit. Births occurring two months before (November/December) and two months after (January/February) the calendar year were also queried to account for mistakes in birth dates. Additionally, prenatal records included women who WIC verified had a live birth, in addition to women who WIC recorded as having a stillbirth, abortion, or miscarriage, or who were lost to follow-up (outcome unknown). Often these records linked to a live birth certificate with a high level of confidence, even though they were not on record as having a live birth in WIC MIS. The data were processed in order to identify records for the same woman or child who do not have the same ID in WIC MIS, which could happen if a woman moved to another WIC site. Using the individual, family, Medi-Cal, agency, and clinic IDs, as well as social security number, driver's license number, the mother's and child's dates of birth, and the mother's and family's first and last names, a single unique identifier was assigned linking prenatal, post-partum, and infant records for a given birth. Data for the same person stored in multiple records could contain different values; for instance, an updated last name if a woman married. Therefore, multiple values for names and birth dates were used in the linkage, which increased the likelihood of finding a woman in both files if there were data entry errors.

The birth file for a given calendar year was concatenated with the last two months of the prior year and the first two months of the subsequent year, if these data sets were available (depending on when the linkage is conducted, data from the subsequent year may not yet be released).

The data sets were linked on the following variables:

WIC MIS	BSMF
Mother or family first name (FIRST)	Mother first name (FIRST)
Mother or family last name (LAST)	Mother or father last name (LAST)
Infant first name (INFANT)	Infant first name (INFANT)
Child date of birth (CDOB)	Child date of birth (CDOB)
Mother date of birth (MDOB)	Mother date of birth (MDOB)
Last live birth date (LLB)	Last live birth date (LLB)
Zip code of residence	Zip code of residence
Gender of infant	Gender of infant

The linkage was done in multiple steps on different combinations of the variables above using SAS software (Cary, NC). Exact and approximate birth dates were used, catching records with the same values for two parts of the date (e.g., MMYY, DDYY, or MMDD). The SAS code also caught common data entry errors for names, including instances where one variable transposed two letters, the variables differed on one letter, one letter was deleted from a variable, and one variable contained a string that was found within the other variable.

Multivariate logistic regression methods

Multivariate logistic regression was used to identify factors associated with each reason for not enrolling in WIC. Adjusted logistic regression analyses with 95% confidence intervals were used to estimate odds of eligible nonparticipants selecting each reason category. Initially, variables for the models were selected based on significance in bivariate analysis with 95% confidence intervals. For consistency, the following variables were used in all of the models: race, ethnicity and nativity; language; maternal age; parity; marital status; pre-pregnancy insurance; prenatal insurance; CalFresh during pregnancy; income as % of poverty; hard to live on income; and food insecurity. The sample size for these models was 3,703. In the model for perceived lack of need, two additional variables were included: dietary risk and breastfeeding intention. The sample size for this model was 3,497.

Variable definitions

A comprehensive list of definitions of all MIHA indicators are listed in the technical document on the MIHA website (www.cdph.ca.gov/data/surveys/MIHA/Documents/MIHATechnicalDocument.pdf). Below is a list of selected definitions for indicators used in this report.

Food insecurity during pregnancy. Calculated from the modified U.S. Department of Agriculture (USDA) Food Security Module Six Item Short Form and categorized as food secure (0-1) or food insecure (2-6). Responses with one or two missing values were imputed. See USDA guidelines for more detail: www.fns.usda.gov/fsec/files/fsguide.pdf.

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

Any financial hardship. Includes at least one of the following: income below poverty, food insecurity, hard to live on income, job loss or homelessness.

Self-reported poor health risk index. Includes at least one of the following self-reported conditions: fair or poor health before pregnancy, diabetes before or during pregnancy, hypertension before or during pregnancy, or pre-eclampsia or eclampsia during pregnancy.

Psychosocial risk index. Includes at least one of the following: physical or psychological intimate partner violence during pregnancy, prenatal or postpartum depressive symptoms, or lack of practical or emotional support.

Risky substance use index. Includes at least one of the following: any smoking before or during pregnancy, any binge drinking before pregnancy, or any drinking during pregnancy.

Dietary risk index. Includes at least one of the following: no daily folic acid use, unhealthy prepregnancy BMI (underweight, overweight or obese), or inadequate or excessive weight gain during pregnancy.

Categorization of reasons for not enrolling in WIC

The 2010-2012 MIHA questionnaire asked women if they were on WIC at any time during their most recent pregnancy. Women who answered "no" were directed to a follow-up question on *reasons for not enrolling in WIC during pregnancy,* which included a list of response options and a space to provide a write-in response. Women could select all reasons that applied to them.

Write-in responses were coded independently by two reviewers and grouped into themes. Any responses that were coded differently were discussed and reconciled. Write-in responses that fit into a reason response listed on the questionnaire were recoded to that response. Multifaceted write-in responses were coded to all applicable reason response options and themes. The reasons responses listed on the questionnaire and the write-in themes were organized into general categories describing reasons for WIC nonparticipation during pregnancy, which formed the basis of the analyses presented in this report. Reasons categories were developed based on the public program nonparticipation literature, applicability to strategies for increasing enrollment in WIC during pregnancy, and having a sufficient number of ENPs in each category for data analysis to examine their characteristics.

The detailed table on the following page illustrates how each of the reasons responses listed on the questionnaire and the write-in themes were organized into general categories. For each questionnaire reason option or write-in theme, the table describes the unweighted number of ENPs who selected that reason/theme, and the weighted percent and average annual population estimate of ENPs who selected that reason/theme. Within the general reason categories, the number of ENPs who provided write-in responses for each of the themes was small relative to the much larger number of ENPs who selected reason response options listed in the questionnaire. Previous analyses using single year data from 2010 use slightly different categories.

Categories of reasons why women did not participate in WIC during pregnancy, MIHA 2010-2012

	All ENP Responses			Did not think would qualify		Perceived lack of need		Did not know about WIC		Access- Could not get to WIC		Access- Application issues		Negative view of WIC		Other/low prevalence issues	
	n	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
				40	18,200	35	15,600	16	7,100	14	6,200	10	4,500	9	4,200	2	1,000
Reasons- checkboxes																	
I didn't think I would qualify for WIC	1,445	37	16,900	x													
I did not need WIC	1,450	32	14,400			x											
I never heard of WIC	493	15	6,700					x									
I couldn't get to WIC when open	462	10	4,500							x							
I couldn't get through on the phone	172	3	1,600									x					
It was too difficult to apply for WIC	304	7	3,300									x					
I used to be on WIC but didn't like it	136	2	1,000											x			
I did not want to use vouchers to shop	295	6	2,700											x			
Reasons- write-in themes																	
Did not know WIC covers pregnant women *	45	1	500	x													
Did not qualify or was disqualified	96	2	1,100	x													
Income too high	32	1	400	x													
Other women needed it more	22	<1	100			x											
Low motivation	117	2	1,100			x											
Never thought about enrolling in WIC	24	<1	200			x											
Enrolled after pregnancy, did not want to enroll until baby was born (for formula or other reason)	39	1	300			x											
Did not know enough about WIC or application process	34	1	400					x									
Trouble getting there (transportation)	71	2	800							x							
Trouble getting there (bed rest, sick, kids, unspecified)	63	2	700							x							
No time/busy/working	83	2	1,000							x							
Issues with WIC location (didn't know location, too far, unsafe)	28	1	400							x							
Did not get referral from doctor	<10	--	--									x					
Did not have id/paperwork to apply	24	<1	100									x					
Moved	13	<1	200									x					
Embarassment	<10	--	--											x			
Did not like the requirements	16	<1	100											x			
Did not like WIC foods	21	<1	200											x			
Did not want to be on WIC	29	1	300											x			
Did not want government assistance	<10	--	--											x			
Long wait/long lines	10	<1	100											x			
Issues with WIC staff	14	<1	100											x			
Husband would not let her	10	<1	<100													x	
Concerned about immigration issues	<10	--	--													x	
Did not want parents to know	<10	--	--													x	
No refrigerator	<10	--	--													x	
Did not know she was pregnant	23	1	300													x	
Out of the country during pregnancy	11	<1	100													x	
Other	54	1	400													x	

*"Did not know WIC covers pregnant women" is included in "I didn't think I would qualify." These responses were previously recoded.

-- Numbers and percents are not shown for fewer than 10 responses.

Note: Checkbox reasons and write-in themes are not mutually exclusive. A respondent could check multiple reasons as well as write in another answer that may be categorized into one or more theme codes. The unweighted number (n) is for the entire 2010-2012 period. The percent (%) and annual population estimate averaged from 2010-2012 (N) are weighted to represent all women in California, and population estimates are rounded to the nearest hundred.

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Detailed tables

California statewide tables

Characteristics of women by WIC status for selected population subgroups

Characteristics of women reporting each reason for not participating in WIC for selected population subgroups

California statewide tables

Characteristics of All Women according to WIC Status during Pregnancy

Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
California Total	496,700	56	55.6 - 57.2	274,100	11	10.4 - 11.7	53,600	33	31.8 - 33.4	158,500
Socio-Demographic Factors										
Race/ethnicity (BC)										
White	140,800	13	12.2 - 13.9	35,300	36	33.5 - 39.3	18,900	54	51.2 - 55.8	82,800
Hispanic US-born	124,200	33	30.9 - 34.3	88,200	23	20.9 - 26.0	12,100	14	12.7 - 15.9	22,100
Hispanic foreign-born	123,900	40	37.9 - 41.2	107,100	17	14.7 - 19.3	8,800	4	3.6 - 5.4	7,000
Asian/PI foreign-born	51,500	5	4.2 - 5.8	13,500	11	8.4 - 13.5	5,700	19	16.9 - 20.9	29,200
Asian/PI US-born	15,300	2	1.2 - 2.0	4,300	4	2.6 - 4.8	1,900	6	4.7 - 6.8	8,900
Black	28,900	7	6.9 - 8.0	20,200	8	6.3 - 9.0	4,000	3	2.4 - 3.2	4,300
Other	2,900	1	0.5 - 1.0	2,000	1	0.6 - 1.3	500	< 1	0.1 - 0.4	400
Language spoken at home										
English	332,800	58	55.9 - 59.3	156,500	76	73.3 - 78.9	40,300	82	80.4 - 84.3	129,300
Spanish	109,900	36	34.3 - 37.6	97,600	14	11.9 - 16.1	7,400	3	1.9 - 3.2	4,000
Asian or other	49,200	6	5.6 - 7.3	17,500	10	7.8 - 12.2	5,300	15	13.2 - 17.0	23,700
Maternal age (BC)										
15-24	141,200	42	40.7 - 44.2	116,300	32	29.2 - 34.4	17,000	4	3.7 - 5.2	7,100
25-34	263,600	46	44.2 - 47.7	126,000	53	49.9 - 56.0	28,400	65	62.7 - 67.0	102,800
35+	91,900	12	10.5 - 12.7	31,800	15	12.7 - 17.8	8,200	31	28.5 - 32.8	48,600
Maternal education										
HS diploma (GED) or less	199,500	62	60.2 - 63.6	168,800	39	36.6 - 42.4	21,100	5	4.2 - 5.9	8,000
Any college or more	295,300	38	36.4 - 39.8	103,800	61	57.6 - 63.4	32,300	95	94.1 - 95.8	150,300
Parity (BC)										
First live birth	197,800	36	34.3 - 37.7	98,600	40	36.7 - 42.8	21,300	46	43.8 - 48.3	72,900
Second live birth or more	298,800	64	62.3 - 65.7	175,500	60	57.2 - 63.3	32,300	54	51.7 - 56.2	85,500
Marital status										
Married	286,000	39	37.0 - 40.3	105,300	51	48.1 - 54.1	27,300	91	89.6 - 92.0	143,700
Not married	208,700	61	59.7 - 63.0	167,200	49	45.9 - 51.9	26,100	9	8.0 - 10.4	14,600
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	129,400	42	40.7 - 44.2	114,600	26	23.4 - 28.0	13,600	1	0.4 - 1.0	1,100
Private	233,300	20	18.6 - 21.3	53,800	41	37.5 - 43.6	21,500	94	92.7 - 94.9	148,300
Uninsured	114,300	35	32.9 - 36.3	93,400	31	28.2 - 33.8	16,400	3	1.8 - 3.3	4,000
Other	14,200	3	2.4 - 3.5	8,000	3	2.0 - 3.5	1,400	3	2.3 - 3.7	4,700
Prenatal insurance (BC)										
Medi-Cal	231,800	75	73.2 - 76.1	204,300	51	48.3 - 54.2	27,400	--		
Private	237,000	21	19.4 - 22.2	57,000	38	35.0 - 41.2	20,400	95	93.7 - 95.6	150,000
Uninsured	9,900	1	0.9 - 1.5	3,400	7	5.0 - 9.2	3,800	2	1.1 - 2.0	2,500
Other	17,200	3	2.7 - 3.8	9,000	4	2.5 - 4.6	1,900	4	3.0 - 4.6	6,000
CalFresh during pregnancy	113,900	37	35.5 - 38.8	101,100	23	20.8 - 25.8	12,500	--		
Financial Hardships during Pregnancy										
Any financial hardship	309,800	89	87.8 - 90.1	232,800	77	73.9 - 79.2	39,800	22	19.9 - 23.5	34,100
Income as % of poverty										
0-100%	201,000	70	68.5 - 71.8	176,100	49	45.8 - 52.1	24,900	--		
>100%	259,500	30	28.2 - 31.5	74,900	51	47.9 - 54.2	26,000	100 †		158,500
Hard to live on income	218,500	60	58.5 - 62.0	162,000	55	51.6 - 57.6	29,000	16	14.4 - 17.7	25,400
Food insecurity										
Food insecure	91,900	29	27.2 - 30.4	78,400	19	16.5 - 21.4	10,100	2	1.5 - 2.4	3,000
Food secure	402,500	71	69.6 - 72.8	193,800	81	78.6 - 83.5	43,300	98	97.6 - 98.5	155,300
Health and Psychosocial Risk Indices										
Self-reported poor health	119,200	28	26.5 - 29.7	75,200	24	21.7 - 26.7	12,700	18	16.8 - 20.1	29,100
Psychosocial risk	140,800	35	33.7 - 37.1	96,300	33	29.7 - 35.4	17,300	16	14.6 - 17.9	25,600
Risky substance use	155,000	27	25.6 - 28.6	73,100	38	35.1 - 40.9	20,200	37	35.2 - 39.5	58,800
Dietary risk	439,700	97	96.1 - 97.3	253,600	95	93.5 - 97.1	49,200	85	83.6 - 86.8	128,500
Breastfeeding Intention										
Breastfeed exclusively	300,200	52	50.4 - 53.9	139,800	64	61.0 - 66.7	33,200	76	74.6 - 78.4	119,700
Any formula/not sure	186,600	48	46.1 - 49.6	128,200	36	33.3 - 39.0	18,800	24	21.6 - 25.4	36,800

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status. The California Total percentages of WIC status are calculated out of women for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among all Eligible Nonparticipants (ENPs)

Maternal and Infant Health Assessment, 2010-2012

	All ENPs %	All ENPs Annual Population Estimate	Did not think would qualify %	95% CI	Annual Population Estimate	Perceived lack of need %	95% CI	Annual Population Estimate	Did not know about WIC %	95% CI	Annual Population Estimate	Could not get to WIC %	95% CI	Annual Population Estimate	Application and telephone barriers %	95% CI	Annual Population Estimate	Negative view of WIC %	95% CI	Annual Population Estimate
California Total		53,600	40	37.1 - 43.6	18,200	35	31.6 - 37.7	15,600	16	13.2 - 18.4	7,100	14	11.8 - 15.9	6,200	10	8.0 - 12.1	4,500	9	7.7 - 10.9	4,200
Socio-Demographic Factors																				
Race/ethnicity (BC)																				
White	36	18,900	34	29.7 - 39.1	6,100	50	44.3 - 55.1	7,400	38	28.5 - 47.4	2,500	29	22.4 - 36.4	1,800	37	27.4 - 46.1	1,600	53	43.5 - 61.5	2,100
Hispanic US-born	23	12,100	25	19.6 - 29.7	4,400	19	14.8 - 23.1	2,800	16	8.7 - 22.4	1,000	33	24.4 - 40.8	2,000	28	18.0 - 37.6	1,200	20	13.2 - 26.1	800
Hispanic foreign-born	17	8,800	20	15.4 - 25.0	3,600	13	9.6 - 16.6	1,900	15	9.3 - 21.7	1,000	19	12.9 - 25.1	1,200	22	10.1 - 33.9	1,000	12 *	4.7 - 19.5	500
Asian/PI foreign-born	11	5,700	11	6.5 - 15.1	1,900	7	4.3 - 10.0	1,100	23	14.3 - 31.4	1,500	3 *	1.0 - 4.2	200	4 *	1.4 - 6.2	200	6 *	1.5 - 10.0	200
Asian/PI US-born	4	1,900	4 *	1.7 - 6.8	800	2	1.1 - 3.2	300	4 *	1.7 - 6.7	300	3	1.4 - 5.3	200	2 *	0.3 - 3.7	100	1 *	0.1 - 1.9	<100
Black	8	4,000	5	3.2 - 7.1	900	8	4.8 - 10.7	1,200	4 *	1.4 - 6.4	300	12	7.0 - 16.5	700	6	2.9 - 9.3	300	7	3.0 - 10.7	300
Other	1	500	1 *	0.2 - 0.9	100	1 *	0.3 - 2.0	200	--			--			--			--		
Language spoken at home																				
English	76	40,300	80	75.2 - 84.1	14,300	82	78.4 - 86.5	12,800	60	51.0 - 69.3	4,200	80	74.2 - 86.5	5,000	75	63.3 - 86.5	3,300	85	77.7 - 93.0	3,500
Spanish	14	7,400	13	8.7 - 16.7	2,300	10	6.7 - 12.7	1,500	17	10.1 - 23.3	1,200	16	10.3 - 22.4	1,000	21	9.1 - 32.8	900	9 *	1.4 - 15.7	400
Asian or other	10	5,300	8	5.3 - 10.1	1,400	8	4.9 - 10.8	1,200	23	15.0 - 31.2	1,600	3	1.4 - 5.1	200	4 *	1.7 - 6.6	200	6 *	2.5 - 9.7	300
Maternal age (BC)																				
15-24	32	17,000	24	19.9 - 27.4	4,300	28	23.3 - 32.4	4,300	30	22.4 - 37.4	2,100	39	31.9 - 46.6	2,400	38	28.8 - 47.6	1,700	33	24.8 - 41.3	1,400
25-34	53	28,400	61	56.4 - 66.3	11,100	57	51.5 - 62.1	8,900	53	43.9 - 62.1	3,800	48	39.6 - 55.5	3,000	50	39.5 - 60.9	2,300	56	47.4 - 64.9	2,400
35+	15	8,200	15	11.4 - 18.6	2,700	15	11.0 - 19.7	2,400	17	10.1 - 24.2	1,200	13	6.9 - 19.5	800	12	4.9 - 18.4	500	11	5.8 - 15.8	500
Maternal education																				
HS diploma (GED) or less	39	21,100	35	29.5 - 40.1	6,300	27	22.8 - 31.8	4,300	29	21.4 - 36.2	2,000	58	50.2 - 65.4	3,600	60	51.2 - 69.8	2,700	37	28.4 - 46.2	1,600
Any college or more	61	32,300	65	59.9 - 70.5	11,800	73	68.2 - 77.2	11,300	71	63.8 - 78.6	5,100	42	34.6 - 49.8	2,600	40	30.2 - 48.8	1,800	63	53.8 - 71.6	2,600
Parity (BC)																				
First live birth	40	21,300	41	35.6 - 46.3	7,400	46	40.9 - 51.8	7,200	68	59.4 - 76.1	4,800	28	21.3 - 34.9	1,800	34	24.8 - 43.6	1,500	31	22.5 - 39.9	1,300
Second live birth or more	60	32,300	59	53.7 - 64.4	10,700	54	48.2 - 59.1	8,400	32	23.9 - 40.6	2,300	72	65.1 - 78.7	4,500	66	56.4 - 75.2	3,000	69	60.1 - 77.5	2,900
Marital status																				
Married	51	27,300	60	54.4 - 64.8	10,800	56	50.3 - 60.9	8,700	65	57.7 - 73.1	4,600	39	30.6 - 47.3	2,400	36	25.3 - 45.9	1,600	49	40.5 - 58.3	2,100
Not married	49	26,100	40	35.2 - 45.6	7,300	44	39.1 - 49.7	6,900	35	26.9 - 42.3	2,500	61	52.7 - 69.4	3,800	64	54.1 - 74.7	2,900	51	41.7 - 59.5	2,100
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	26	13,600	11	8.6 - 13.4	2,000	21	16.9 - 24.1	3,200	14	8.0 - 19.6	900	42	34.3 - 49.4	2,600	31	22.0 - 39.3	1,400	28	20.7 - 34.8	1,100
Private	41	21,500	56	50.5 - 61.1	10,100	48	42.4 - 53.3	7,400	49	39.9 - 57.8	3,300	22	13.3 - 30.4	1,400	28	17.7 - 38.1	1,300	32	22.6 - 41.1	1,300
Uninsured	31	16,400	30	25.4 - 35.1	5,500	28	23.9 - 33.1	4,400	35	27.1 - 43.0	2,400	33	26.6 - 40.3	2,100	40	28.8 - 50.5	1,800	40	30.9 - 48.3	1,600
Other	3	1,400	3	1.6 - 4.3	500	3	1.9 - 4.4	500	2 *	0.3 - 4.2	200	3 *	0.9 - 4.9	200	2 *	0.3 - 3.3	100	--		
Prenatal insurance (BC)																				
Medi-Cal	51	27,400	41	35.7 - 45.4	7,400	50	44.4 - 55.0	7,700	40	32.1 - 48.0	2,800	66	57.6 - 74.7	4,100	64	52.9 - 75.1	2,800	60	50.7 - 70.0	2,500
Private	38	20,400	51	45.3 - 56.1	9,200	42	36.2 - 47.5	6,500	46	37.0 - 55.8	3,300	26	17.1 - 34.5	1,600	27	16.8 - 38.0	1,200	30	20.3 - 38.7	1,200
Uninsured	7	3,800	5	2.3 - 7.1	900	6	2.9 - 9.1	900	10 *	3.8 - 16.3	700	5 *	1.4 - 7.9	300	--			--		
Other	4	1,900	4	1.9 - 6.2	700	2	1.0 - 3.9	400	3 *	0.8 - 6.1	200	3 *	1.1 - 5.7	200	--			--		
CalFresh during pregnancy	23	12,500	9	6.7 - 11.6	1,700	15	12.2 - 18.7	2,400	11	7.0 - 14.9	800	46	38.5 - 54.1	2,900	26	18.4 - 34.4	1,200	25	18.5 - 31.9	1,100

Characteristics of Women Reporting each Reason for not Enrolling in WIC among all Eligible Nonparticipants (ENPs)

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	77	39,800	71	65.9 - 76.6	12,600	63	57.8 - 68.3	9,400	76	68.2 - 84.5	5,300	89 *	81.6 - 95.6	5,400	84 *	74.7 - 94.2	3,700	82	75.4 - 87.6	3,200
Income as % of poverty																				
0-100%	49	24,900	33	27.9 - 37.9	5,800	38	32.7 - 43.5	5,600	52	42.2 - 61.7	3,400	68	60.2 - 76.3	4,100	59	48.3 - 69.8	2,600	48	38.6 - 56.8	1,900
>100%	51	26,000	67	62.1 - 72.1	11,800	62	56.5 - 67.3	9,100	48	38.3 - 57.8	3,200	32	23.7 - 39.8	1,900	41	30.2 - 51.7	1,800	52	43.2 - 61.4	2,000
Hard to live on income	55	29,000	57	51.1 - 62.0	10,200	37	31.7 - 42.3	5,700	52	43.1 - 61.7	3,700	71	63.5 - 78.8	4,400	65	54.9 - 76.1	2,900	56	47.0 - 64.9	2,300
Food insecurity																				
Food insecure	19	10,100	22	17.3 - 27.4	4,100	5	3.1 - 6.9	800	16	10.9 - 21.5	1,100	30	23.7 - 36.3	1,900	31	20.6 - 42.2	1,400	16	10.2 - 22.5	700
Food secure	81	43,300	78	72.6 - 82.7	14,100	95	93.1 - 96.9	14,800	84	78.5 - 89.1	5,900	70	63.7 - 76.3	4,400	69	57.8 - 79.4	3,100	84	77.5 - 89.8	3,500
Health and Psychosocial Risk Indices																				
Self-reported poor health	24	12,700	22	17.8 - 26.1	3,900	20	16.1 - 24.8	3,100	19	11.8 - 26.3	1,300	28	21.7 - 35.1	1,700	24	16.3 - 32.2	1,100	20	13.8 - 25.2	800
Psychosocial risk	33	17,300	33	27.8 - 38.4	6,000	23	19.0 - 27.5	3,600	31	23.0 - 39.3	2,200	37	29.8 - 44.6	2,300	35	24.4 - 45.8	1,600	36	27.0 - 44.2	1,500
Risky substance use	38	20,200	38	32.5 - 42.7	6,800	42	36.3 - 46.9	6,400	28	20.9 - 35.9	2,000	47	39.5 - 55.4	3,000	44	33.4 - 53.8	2,000	38	30.3 - 46.6	1,600
Dietary risk	95	49,200	96	93.2 - 97.8	16,800	94	91.9 - 96.7	14,100	94 *	89.1 - 98.7	6,300	99 *	97.8 - 99.9	6,100	98 *	96.4 - 99.2	4,400	97	95.7 - 98.9	4,000
Breastfeeding Intention																				
Breastfeed exclusively	64	33,200	68	63.4 - 72.8	12,200	73	68.1 - 77.4	11,200	70	62.8 - 78.0	4,900	57	49.6 - 65.0	3,400	66	57.1 - 75.7	2,900	63	53.7 - 71.8	2,600
Any formula/not sure	36	18,800	32	27.2 - 36.6	5,700	27	22.6 - 31.9	4,200	30	22.0 - 37.2	2,100	43	35.0 - 50.4	2,500	34	24.3 - 42.9	1,500	37	28.2 - 46.3	1,500

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of all eligible nonparticipants who gave each reason. The California Total row shows the total number of ENPs, and the percentage of women reporting each reason calculated out of all eligible nonparticipants who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Reasons for Not Enrolling in WIC among Eligible Nonparticipants, and Factors Associated with Specific Reasons in Multivariate Logistic Regression Models
Maternal and Infant Health Assessment (MIHA), 2010-2012

	Did not think would qualify				Perceived lack of need				Did not know about WIC			
	%	95% CI	AOR	95% CI	%	95% CI	AOR	95% CI	%	95% CI	AOR	95% CI
California Total	40	37.1 - 43.6			35	31.6 - 37.7			16	13.2 - 18.4		
Race/ethnicity (BC)												
White	35	30.6 - 39.6	[Ref: White]		42	37.4 - 47.4	[Ref: White]		14	10.2 - 18.5	[Ref: White]	
Hispanic US-born	45	38.1 - 52.5	1.7	1.2 - 2.5	29	23.0 - 35.2	0.6	0.4 - 0.9	11	5.8 - 15.3	1.0	0.5 - 1.9
Hispanic foreign-born	51	42.6 - 59.1	3.3	2.0 - 5.5	28	20.5 - 34.5	0.5	0.2 - 0.8	14	8.7 - 20.1	0.7	0.4 - 1.5
Asian/PI foreign-born	46	32.8 - 59.2	2.3	1.0 - 4.9	25	15.5 - 35.4	0.4	0.1 - 1.1	36	23.5 - 48.5	1.8	0.7 - 4.3
Asian/PI US-born	50	32.1 - 67.0	2.4	1.1 - 4.9	21	10.5 - 31.6	0.2	0.1 - 0.4	18	7.6 - 29.0	1.7	0.6 - 4.9
Black	29	19.6 - 38.9	1.2	0.7 - 2.1	37	25.4 - 47.6	0.8	0.4 - 1.4	8 *	3.1 - 13.2	0.9	0.5 - 1.9
Language spoken at home												
English	41	37.2 - 44.6	2.0	1.0 - 4.4	37	33.2 - 40.2	1.5	0.6 - 3.7	12	9.3 - 14.7	[Ref: English]	
Spanish	41	31.3 - 50.7	1.0	0.4 - 2.4	27	19.2 - 34.9	1.6	0.6 - 4.5	21	13.1 - 28.8	3.0	1.5 - 6.0
Asian or other	34	24.1 - 43.4	[Ref: Asian/Other]		30	19.9 - 39.8	[Ref: Asian/Other]		39	28.1 - 50.8	3.2	1.4 - 7.1
Maternal age (BC)												
15-24	33	28.1 - 36.9	[Ref: 15-24]		33	28.0 - 37.7	[Ref: 15-24]		16	12.1 - 19.9	[Ref: 15-24]	
25+	44	39.5 - 47.8	1.2	0.8 - 1.7	35	31.6 - 39.3	1.2	0.8 - 1.8	16	12.3 - 19.0	0.9	0.5 - 1.4
Maternal education												
HS diploma (GED) or less	39	33.7 - 44.4	[Ref: HS/GED or less]		26	22.1 - 30.8	[Ref: HS/GED or less]		13	9.3 - 16.0	[Ref: HS/GED or less]	
Any college or more	41	36.9 - 45.2	0.9	0.7 - 1.2	39	35.3 - 43.4	1.8	1.3 - 2.7	18	14.0 - 21.2	1.4	0.9 - 2.1
Parity (BC)												
First live birth	39	33.8 - 44.3	[Ref: First live birth]		38	32.6 - 43.3	1.1	0.7 - 1.6	25	20.3 - 30.1	3.5	2.1 - 5.9
Second live birth or more	41	37.3 - 45.5	1.2	0.9 1.7	32	28.8 - 35.8	[Ref: Second or more]		9	6.3 - 11.4	[Ref: Second or more]	
Marital status												
Married	45	39.9 - 49.6	1.0	0.7 - 1.3	36	31.4 - 40.4	0.9	0.6 - 1.2	19	15.0 - 23.5	2.2	1.4 3.4
Not married	35	31.0 - 39.5	[Ref: Not married]		33	29.2 - 37.4	[Ref: Not married]		12	9.2 - 14.4	[Ref: Not married]	
Pre-pregnancy insurance												-
Medi-Cal	21	16.7 - 24.9	[Ref: Medi-Cal]		33	28.2 - 38.2	[Ref: Medi-Cal]		10	5.7 - 13.7	[Ref: Medi-Cal]	
Private	51	45.8 - 57.1	2.5	1.6 - 3.8	38	32.4 - 43.3	0.8	0.5 - 1.2	17	12.4 - 21.1	2.0	1.0 - 4.2
Uninsured	39	33.6 - 44.3	2.0	1.4 - 3.0	32	26.7 - 36.3	0.6	0.4 - 1.0	17	12.9 - 20.8	1.4	0.8 - 2.5
Prenatal insurance (BC)												
Medi-Cal	33	29.7 - 36.2	[Ref: Medi-Cal]		35	31.6 - 37.7	[Ref: Medi-Cal]		13	10.6 - 14.8	[Ref: Medi-Cal]	
Private	50	43.8 - 56.6	1.3	0.9 - 1.8	36	29.5 - 41.6	0.8	0.6 - 1.2	18	12.7 - 23.2	1.1	0.6 - 1.9
Uninsured	32	18.4 - 46.1	0.8	0.4 - 1.7	35	20.6 - 49.8	1.6	0.8 - 3.4	27	12.4 - 41.4	2.1	1.0 - 4.4
CalFresh during pregnancy												
Yes	19	14.3 - 23.8	[Ref: CalFresh]		28	22.5 - 32.8	[Ref: CalFresh]		9	5.8 - 11.9	[Ref: CalFresh]	
No	46	41.7 - 49.3	2.2	1.4 - 3.3	36	32.8 - 40.0	1.2	0.8 - 1.9	17	14.2 - 20.5	1.0	0.6 - 1.7
Income as % of poverty												
0-100%	30	25.5 - 34.4	[Ref: 0-100% FPG]		29	24.7 - 33.4	[Ref: 0-100%]		18	13.4 - 22.2	2.1	1.3 - 3.4
>100%	50	45.2 - 54.7	1.7	1.2 - 2.4	39	34.1 - 43.2	1.1	0.7 - 1.5	13	10.1 - 16.7	[Ref: >100% FPG]	
Hard to live on income												
Yes	43	38.1 - 47.1	1.4	1.0 - 1.9	24	20.0 - 27.7	[Ref: Hard]		15	11.9 - 18.9	[Ref: Hard]	
No	38	33.4 - 43.0	[Ref: Not hard]		47	42.6 - 52.1	2.2	1.5 - 3.0	16	12.3 - 20.3	0.7	0.5 - 1.2
Food insecurity												
Food secure	38	34.8 - 41.8	[Ref: Food secure]		40	36.8 - 43.8	5.2	3.1 - 8.4	16	13.1 - 19.1	[Ref: Food secure]	
Food insecure	50	42.0 - 57.8	2.1	1.4 - 3.1	10	5.9 - 13.3	[Ref: Food insecure]		14	9.6 - 18.6	1.0	0.6 - 1.7
Dietary risk												
Yes	40	36.9 - 43.7	Not in model.		34	30.6 - 36.9	[Ref: Any dietary risk]		15	12.3 - 17.7	Not in model.	
No	50	34.7 - 64.4			53	38.9 - 68.0	2.1	1.1 - 3.7	25 *	9.0 - 41.8		
Breastfeeding intention												
Breastfeed exclusively	42	37.2 - 45.8	Not in model.		38	33.8 - 41.9	1.1	0.8 - 1.6	17	13.1 - 20.2	Not in model.	
Any formula/not sure	40	34.7 - 44.4			29	24.1 - 33.5	Ref:Any formula/not sur		14	10.6 - 17.9		

Reasons for Not Enrolling in WIC among Eligible Nonparticipants, and Factors Associated with Specific Reasons in Multivariate Logistic Regression Models
Maternal and Infant Health Assessment (MIHA), 2010-2012

	Could not get to WIC				Application or telephone barriers				Negative view of WIC			
	%	95% CI	AOR	95% CI	%	95% CI	AOR	95% CI	%	95% CI	AOR	95% CI
California Total	14	11.8 - 15.9			10	8.0 - 12.1			9	7.7 - 10.9		
Race/ethnicity (BC)												
White	10	7.6 - 13.1	[Ref: White]		9	6.7 - 11.5	[Ref: White]		12	9.1 - 14.9	[Ref: White]	
Hispanic US-born	21	14.6 - 26.6	2.1	1.3 - 3.6	12	7.6 - 17.2	1.2	0.7 - 2.0	8	5.2 - 10.9	0.6	0.4 - 1.0
Hispanic foreign-born	16	11.0 - 22.0	1.7	0.9 - 3.1	13 *	5.5 - 21.4	0.7	0.4 - 1.4	7 *	2.4 - 11.2	0.6	0.3 - 1.1
Asian/PI foreign-born	4 *	1.4 - 6.3	0.6	0.2 - 1.7	4 *	1.4 - 6.5	0.6	0.2 - 1.9	5 *	1.3 - 9.7	0.8	0.2 - 3.0
Asian/PI US-born	13 *	5.3 - 21.6	1.6	0.7 - 3.5	6 *	0.8 - 10.5	0.6	0.2 - 1.8	3 *	0.2 - 5.2	0.2	0.1 - 0.6
Black	23	13.9 - 31.9	1.6	0.8 - 3.1	8	4.0 - 12.7	0.6	0.3 - 1.2	9	3.8 - 13.6	0.6	0.3 - 1.2
Language spoken at home												
English	14	11.9 - 16.7	1.2	0.4 - 3.2	10	7.6 - 11.5	1.1	0.4 - 3.0	10	8.3 - 11.9	2.1	0.8 - 6.0
Spanish	18	11.5 - 25.1	1.3	0.4 - 4.2	17 *	6.9 - 26.7	1.8	0.6 - 5.7	6 *	0.9 - 11.8	1.4	0.4 - 5.3
Asian or other	5	2.1 - 7.9	[Ref: Asian/Other]		4 *	1.8 - 7.2	[Ref: Asian/Other]		6 *	2.4 - 9.9	[Ref: Asian/Other]	
Maternal age (BC)												
15-24	19	14.8 - 22.2	1.2	0.8 - 1.8	13	9.9 - 16.1	1.3	0.8 - 2.2	10	7.5 - 13.4	1.3	0.8 - 2.2
25+	12	9.4 - 14.4	[Ref: 25+]		9	6.2 - 11.4	[Ref: 25+]		9	6.9 - 10.7	[Ref: 25+]	
Maternal education												
HS diploma (GED) or less	22	18.0 - 26.7	2.0	1.3 - 3.2	17	12.1 - 21.8	2.2	1.3 - 3.8	10	6.7 - 12.6	[Ref: HS/GED or less]	
Any college or more	9	7.2 - 11.1	[Ref: Any college +]		6	4.9 - 7.5	[Ref: Any college +]		9	7.2 - 11.0	1.0	0.7 - 1.5
Parity (BC)												
First live birth	9	6.7 - 11.7	[Ref: First live birth]		8	5.6 - 10.5	[Ref: First live birth]		7	4.5 - 9.2	[Ref: First live birth]	
Second live birth or more	17	14.3 - 20.3	1.2	0.8 - 1.9	11	8.5 - 14.4	1.7	1.0 - 2.8	11	8.9 - 13.3	1.9	1.1 - 3.2
Marital status												
Married	10	7.1 - 13.0	[Ref: Married]		7	4.3 - 9.0	[Ref: Married]		9	6.4 - 10.6	[Ref: Married]	
Not married	18	15.4 - 21.3	0.9	0.6 - 1.4	14	10.6 - 17.4	1.5	1.0 - 2.4	10	7.7 - 12.6	1.1	0.7 - 1.6
Pre-pregnancy insurance												
Medi-Cal	27	22.2 - 32.2	1.8	0.9 - 3.7	14	10.5 - 18.3	1.2	0.6 - 2.4	12	8.9 - 15.1	1.8	1.0 - 3.1
Private	7	3.8 - 10.1	[Ref: Private]		6	3.6 - 9.1	[Ref: Private]		7	4.2 - 9.2	[Ref: Private]	
Uninsured	15	11.6 - 18.1	1.6	0.8 - 2.9	13	8.4 - 17.0	1.4	0.8 - 2.4	12	8.6 - 14.8	1.8	1.1 - 3.2
Prenatal insurance (BC)												
Medi-Cal	18	15.8 - 21.1	1.1	0.6 - 1.9	13	9.9 - 15.5	1.3	0.8 - 2.2	11	9.5 - 13.1	1.1	0.6 - 1.8
Private	9	5.2 - 12.4	[Ref: Private]		7	3.6 - 9.7	[Ref: Private]		7	4.1 - 9.4	[Ref: Private]	
Uninsured	11 *	3.3 - 18.6	0.6	0.2 - 1.5	11 *	0.4 - 22.2	1.0	0.3 - 3.1	--			
CalFresh during pregnancy												
Yes	33	27.4 - 38.8	2.5	1.6 - 4.0	14	9.7 - 17.6	0.7	0.4 - 1.1	12	8.8 - 15.4	1.0	0.6 - 1.5
No	9	7.2 - 11.3	[Ref: No CalFresh]		9	6.8 - 11.5	[Ref: No CalFresh]		9	6.8 - 10.5	[Ref: No CalFresh]	
Income as % of poverty												
0-100%	22	17.8 - 25.2	1.3	0.7 - 2.1	13	9.8 - 17.0	1.0	0.7 - 1.4	10	7.2 - 12.2	0.9	0.6 - 1.4
>100%	8	5.6 - 10.7	[Ref: >100% FPG]		8	5.1 - 10.0	[Ref: >100% FPG]		9	6.5 - 10.7	[Ref: >100% FPG]	
Hard to live on income												
Yes	18	15.2 - 21.4	1.6	1.0 - 2.6	12	9.3 - 15.1	1.3	0.8 - 2.1	9	7.4 - 11.6	1.0	0.6 - 1.5
No	9	6.0 - 11.4	[Ref: Not hard]		8	4.7 - 10.4	[Ref: Not hard]		9	6.3 - 11.1	[Ref: Not hard]	
Food insecurity												
Food secure	12	9.6 - 14.2	[Ref: Food secure]		8	6.5 - 10.3	[Ref: Food secure]		10	7.7 - 11.3	1.3	0.8 - 2.2
Food insecure	23	17.9 - 28.2	1.4	0.9 - 2.1	17	10.6 - 24.3	1.4	0.9 - 2.3	8	5.0 - 11.8	[Ref: Food insecure]	
Dietary risk												
Yes	15	12.3 - 16.8	Not in model.		10	8.3 - 12.6	Not in model.		9	7.8 - 11.2	Not in model.	
No	--				6 *	2.2 - 10.0			7 *	2.7 - 11.0		
Breastfeeding intention												
Breastfeed exclusively	11	9.0 - 13.9	Not in model.		10	7.2 - 12.6	Not in model.		9	6.9 - 10.6	Not in model.	
Any formula/not sure	17	13.9 - 20.9			10	7.3 - 13.1			11	7.4 - 13.7		

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

Notes: Percent (%), 95% confidence interval (95% CI), and adjusted odds ratios (AOR), are weighted to represent all live births in California. Percentages of women who reported each reason are calculated out of all eligible nonparticipants (ENPs) with each characteristic who reported any reason. Yellow highlight indicates adjusted odds ratios (AOR) with p<.05. ENPs are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of women by WIC status for selected population subgroups

Characteristics of White Women according to WIC Status during Pregnancy

Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	140,800	26	24.2 - 27.4	35,300	14	12.5 - 15.0	18,900	60	58.6 - 62.3	82,800
Socio-Demographic Factors										
Language spoken at home										
English	129,800	91	88.2 - 93.2	31,800	94	91.5 - 96.5	17,600	94	91.6 - 95.7	77,100
Spanish	400	1 *	0.2 - 1.9	400	--			--		
Asian or other	9,700	8	5.8 - 10.7	2,900	6	3.5 - 8.5	1,100	6	4.2 - 8.4	5,200
Maternal age (BC)										
15-24	27,100	45	41.2 - 48.4	15,800	34	30.0 - 38.4	6,500	6	4.3 - 6.7	4,600
25-34	82,700	48	44.8 - 52.1	17,100	52	47.5 - 57.1	9,900	65	61.8 - 67.8	53,600
35+	31,100	7	5.2 - 8.3	2,400	14	9.4 - 17.6	2,600	30	26.8 - 32.6	24,600
Maternal education										
HS diploma (GED) or less	23,500	40	36.6 - 43.6	14,100	29	24.7 - 33.0	21,100	4	3.4 - 5.3	3,600
Any college or more	116,900	60	56.4 - 63.4	21,000	71	67.0 - 75.3	13,400	96	94.7 - 96.6	79,000
Parity (BC)										
First live birth	64,100	42	38.0 - 45.2	14,700	48	43.5 - 53.2	9,100	47	43.7 - 49.7	38,600
Second live birth or more	76,700	58	54.8 - 62.0	20,600	52	46.8 - 56.5	9,700	53	50.3 - 56.3	44,200
Marital status										
Married	106,300	46	42.2 - 49.5	16,100	56	51.1 - 60.3	10,500	92	90.2 - 93.5	76,000
Not married	34,100	54	50.5 - 57.8	19,000	44	39.7 - 48.9	8,300	8	6.5 - 9.8	6,700
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	18,400	41	37.1 - 44.2	14,300	19	16.0 - 22.4	3,600	1 *	0.1 - 1.2	500
Private	98,800	26	22.4 - 29.1	9,100	47	42.2 - 51.6	8,700	94	92.0 - 95.1	77,400
Uninsured	17,600	28	24.9 - 31.1	9,900	31	26.7 - 34.6	5,700	2	1.2 - 3.4	1,900
Other	5,500	6	4.0 - 7.1	2,000	3	1.9 - 4.7	600	3	2.5 - 4.5	2,900
Prenatal insurance (BC)										
Medi-Cal	32,600	67	63.2 - 69.9	23,500	49	43.9 - 53.1	9,100	--		
Private	97,800	25	21.6 - 27.7	8,700	40	35.3 - 45.5	7,600	94	92.8 - 95.4	77,900
Uninsured	3,500	2	1.2 - 3.5	800	6	3.4 - 7.9	1,100	2	1.2 - 2.5	1,500
Other	6,700	6	4.7 - 8.3	2,300	5	2.9 - 7.9	1,000	4	2.9 - 5.2	3,400
CalFresh during pregnancy	19,700	45	41.1 - 48.3	15,700	21	17.4 - 24.0	3,900	--		
Financial Hardships during Pregnancy										
Any financial hardship	63,200	88	85.5 - 90.1	30,400	72	67.2 - 76.1	13,200	22	19.8 - 24.9	18,300
Income as % of poverty										
0-100%	29,200	64	60.7 - 67.8	21,500	42	37.1 - 46.7	7,700	--		
>100%	105,400	36	32.2 - 39.3	12,000	58	53.3 - 62.9	10,600	100 †		82,800
Hard to live on income	48,100	67	63.1 - 70.0	23,300	55	50.6 - 60.1	10,400	16	14.0 - 18.4	13,300
Food insecurity										
Food insecure	14,700	28	25.1 - 31.8	10,000	17	13.8 - 20.1	3,200	2	1.2 - 2.4	1,500
Food secure	125,800	72	68.2 - 74.9	25,100	83	79.9 - 86.2	15,600	98	97.6 - 98.8	81,200
Health and Psychosocial Risk Indices										
Self-reported poor health	25,500	26	22.8 - 29.0	9,000	18	15.0 - 21.2	3,300	15	13.2 - 17.2	12,500
Psychosocial risk	27,500	31	28.1 - 34.8	11,000	28	23.9 - 32.2	5,300	13	11.4 - 15.4	11,000
Risky substance use	68,100	53	49.1 - 56.4	18,500	54	49.5 - 59.1	10,200	46	43.0 - 48.9	37,900
Dietary risk	119,300	97	95.9 - 98.0	33,100	96	94.8 - 97.4	17,500	84	81.7 - 86.2	65,800
Breastfeeding Intention										
Breastfeed exclusively	108,400	71	67.5 - 74.3	24,600	77	73.6 - 80.9	14,100	82	79.9 - 84.3	67,000
Any formula/not sure	30,000	29	25.7 - 32.5	10,100	23	19.1 - 26.4	4,200	18	15.7 - 20.1	14,600

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of US-born Hispanic Women according to WIC Status during Pregnancy

Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	124,200	72	70.0 - 74.1	88,200	10	8.7 - 11.1	12,100	18	16.1 - 19.9	22,100
Socio-Demographic Factors										
Language spoken at home										
English	105,600	83	79.9 - 85.3	72,400	91	87.4 - 93.8	11,000	94	91.5 - 96.8	20,600
Spanish	17,600	17	14.6 - 19.9	15,100	9	6.0 - 12.2	1,100	6	3.2 - 8.5	1,300
Asian or other	--				--			--		
Maternal age (BC)										
15-24	61,400	62	58.4 - 65.2	54,500	44	37.7 - 49.6	5,300	6	4.2 - 8.3	1,400
25-34	52,100	33	30.1 - 36.7	29,500	49	42.9 - 55.2	6,000	70	65.0 - 75.6	15,500
35+	10,600	5	3.5 - 6.0	4,200	7	4.2 - 10.5	900	23	18.4 - 28.5	5,200
Maternal education										
HS diploma (GED) or less	58,200	57	54.1 - 60.9	50,500	46	40.2 - 52.4	21,100	8	4.9 - 10.4	1,700
Any college or more	65,600	43	39.1 - 45.9	37,400	54	47.6 - 59.8	6,500	92	89.6 - 95.1	20,400
Parity (BC)										
First live birth	55,200	47	43.1 - 49.9	41,100	35	29.5 - 41.1	4,300	42	35.6 - 47.5	9,200
Second live birth or more	69,000	53	50.1 - 56.9	47,200	65	58.9 - 70.5	7,900	58	52.5 - 64.4	12,900
Marital status										
Married	47,900	27	24.1 - 29.8	23,700	37	30.5 - 43.3	4,500	83	78.0 - 87.4	18,200
Not married	75,800	73	70.2 - 75.9	64,000	63	56.7 - 69.5	7,600	17	12.6 - 22.0	3,800
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	44,100	46	42.5 - 49.3	40,300	31	26.3 - 35.8	3,700	--		
Private	48,700	24	21.1 - 26.9	21,100	44	37.8 - 50.7	5,300	94	91.4 - 96.9	20,700
Uninsured	27,400	27	23.9 - 30.2	23,700	23	18.5 - 27.1	2,700	3 *	1.3 - 5.5	700
Other	3,400	3	2.0 - 4.1	2,700	2 *	0.6 - 3.3	200	2 *	0.4 - 4.1	500
Prenatal insurance (BC)										
Medi-Cal	67,200	70	66.6 - 72.7	61,300	48	42.3 - 54.2	5,800	--		
Private	50,700	26	23.5 - 29.4	23,300	41	34.7 - 47.9	5,000	94	91.1 - 97.3	20,800
Uninsured	2,100	1	0.4 - 1.2	700	8	4.5 - 11.4	1,000	2 *	0.3 - 3.0	400
Other	4,000	3	2.0 - 4.2	2,700	2 *	0.8 - 4.2	300	4 *	1.3 - 6.9	900
CalFresh during pregnancy	35,500	37	33.4 - 39.9	32,200	27	22.4 - 31.3	3,200	--		
Financial Hardships during Pregnancy										
Any financial hardship	87,400	87	84.2 - 89.0	71,900	81	76.0 - 85.9	9,600	24	18.9 - 28.9	5,300
Income as % of poverty										
0-100%	61,600	69	65.6 - 72.0	55,400	53	47.0 - 59.9	6,200	--		
>100%	52,500	31	28.0 - 34.4	25,100	47	40.1 - 53.0	5,400	100 †		22,100
Hard to live on income	58,800	55	51.0 - 58.0	47,300	55	49.1 - 61.3	6,700	19	14.2 - 23.7	4,200
Food insecurity										
Food insecure	22,600	22	19.1 - 24.8	19,300	24	17.7 - 29.7	2,900	2	0.9 - 3.0	400
Food secure	101,100	78	75.2 - 80.9	68,500	76	70.3 - 82.3	9,200	98	97.0 - 99.1	21,600
Health and Psychosocial Risk Indices										
Self-reported poor health	31,200	27	23.5 - 29.7	23,200	27	21.9 - 32.8	3,300	20	15.2 - 25.0	4,400
Psychosocial risk	38,400	35	31.4 - 37.8	30,300	34	28.2 - 39.9	4,100	17	12.6 - 21.4	3,700
Risky substance use	41,700	32	29.0 - 35.4	27,900	37	31.6 - 42.9	4,500	41	34.8 - 46.8	8,900
Dietary risk	116,000	97	95.8 - 98.0	83,700	97 *	94.1 - 99.5	11,500	90	86.0 - 93.8	19,400
Breastfeeding Intention										
Breastfeed exclusively	67,200	50	46.7 - 53.5	43,200	56	50.3 - 62.4	6,600	73	67.3 - 78.2	16,000
Any formula/not sure	54,600	50	46.5 - 53.3	43,000	44	37.6 - 49.7	5,100	27	21.8 - 32.7	6,000

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Foreign-born Hispanic Women according to WIC Status during Pregnancy

Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	123,900	87	85.7 - 88.6	107,100	7	6.1 - 8.2	8,800	6	4.6 - 6.7	7,000
Socio-Demographic Factors										
Language spoken at home										
English	29,800	22	19.2 - 23.9	23,000	28	21.4 - 34.2	2,400	60	50.1 - 69.4	4,200
Spanish	90,700	76	73.6 - 78.5	81,100	70	63.7 - 76.7	6,200	38	28.7 - 47.8	2,700
Asian or other	2,900	2	1.5 - 3.3	2,600	2 *	0.6 - 3.4	200	--		
Maternal age (BC)										
15-24	32,100	28	25.4 - 30.3	29,800	23	17.0 - 28.2	2,000	3 *	1.0 - 5.8	200
25-34	67,300	54	51.1 - 56.7	57,700	55	47.5 - 62.3	4,800	60	50.5 - 69.6	4,200
35+	24,500	18	16.1 - 20.4	19,600	23	16.2 - 28.9	2,000	37	27.0 - 46.1	2,500
Maternal education										
HS diploma (GED) or less	94,100	81	78.8 - 83.0	86,200	69	62.7 - 75.8	21,100	20	12.6 - 27.4	1,400
Any college or more	29,200	19	17.0 - 21.2	20,400	31	24.2 - 37.3	2,700	80	72.6 - 87.4	5,600
Parity (BC)										
First live birth	30,500	23	21.0 - 25.6	25,000	27	21.0 - 33.6	2,400	39	29.3 - 48.2	2,700
Second live birth or more	93,400	77	74.4 - 79.0	82,100	73	66.4 - 79.0	6,400	61	51.8 - 70.7	4,300
Marital status										
Married	61,800	47	44.0 - 49.6	50,000	52	44.6 - 59.7	4,600	90	84.3 - 95.7	6,200
Not married	61,800	53	50.4 - 56.0	56,800	48	40.3 - 55.4	4,200	10	4.3 - 15.7	700
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	41,800	39	36.0 - 41.6	40,100	19	14.7 - 23.6	1,700	--		
Private	24,000	13	11.1 - 14.8	13,400	34	26.7 - 42.2	3,000	95 *	92.0 - 98.3	6,600
Uninsured	52,100	46	43.6 - 49.2	48,000	44	36.8 - 51.9	3,900	3 *	0.7 - 6.0	200
Other	2,200	2	1.1 - 2.6	1,900	2 *	0.6 - 3.6	200	--		
Prenatal insurance (BC)										
Medi-Cal	96,100	85	83.4 - 87.2	91,200	55	47.6 - 62.8	4,900	--		
Private	22,900	12	10.3 - 13.7	12,800	34	26.8 - 41.9	3,000	91 *	85.2 - 97.4	6,300
Uninsured	2,600	1	0.8 - 2.0	1,400	9	3.9 - 13.8	800	--		
Other	2,100	1	0.7 - 2.0	1,400	--			5 *	1.0 - 9.2	400
CalFresh during pregnancy	33,900	31	28.6 - 33.7	32,900	11	7.0 - 14.8	1,000	--		
Financial Hardships during Pregnancy										
Any financial hardship	103,000	91	89.9 - 92.9	93,700	84	79.1 - 89.2	7,100	28	19.4 - 36.0	1,900
Income as % of poverty										
0-100%	79,100	76	74.0 - 78.8	74,100	62	54.7 - 69.8	5,000	--		
>100%	32,800	24	21.2 - 26.0	22,900	38	30.2 - 45.3	3,000	100 †		7,000
Hard to live on income	71,000	62	59.5 - 65.0	64,900	51	43.0 - 58.2	4,400	21	13.6 - 28.2	1,500
Food insecurity										
Food insecure	39,000	34	31.8 - 37.1	36,700	22	14.2 - 29.0	1,900	4 *	0.6 - 7.2	300
Food secure	84,300	66	62.9 - 68.2	69,800	78	71.0 - 85.8	6,900	96 *	92.8 - 99.4	6,700
Health and Psychosocial Risk Indices										
Self-reported poor health	34,600	30	27.7 - 32.7	31,000	22	16.2 - 27.3	1,900	21	13.7 - 27.9	1,400
Psychosocial risk	43,100	36	33.3 - 38.6	38,100	35	27.5 - 42.6	3,100	23	14.5 - 31.4	1,600
Risky substance use	16,700	12	10.4 - 14.1	13,000	18	12.8 - 24.0	1,600	29	20.1 - 37.1	2,000
Dietary risk	112,000	97	96.6 - 98.2	97,400	97	95.0 - 98.5	8,200	83	74.2 - 91.6	5,400
Breastfeeding Intention										
Breastfeed exclusively	61,000	49	46.4 - 52.0	51,400	50	41.9 - 57.2	4,300	68	58.9 - 76.8	4,700
Any formula/not sure	60,000	51	48.0 - 53.6	53,100	50	42.8 - 58.1	4,400	32	23.2 - 41.1	2,200

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Foreign-born Asian/Pacific Islander Women according to WIC Status during Pregnancy
Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	51,500	28	23.9 - 31.9	13,500	12	8.9 - 14.6	5,700	60	56.0 - 64.8	29,200
Socio-Demographic Factors										
Language spoken at home										
English	17,300	24	16.0 - 31.8	3,100	37	24.0 - 50.5	2,000	40	33.9 - 46.1	11,400
Spanish		--			--			--		
Asian or other	32,400	76	68.2 - 84.0	9,800	63	49.3 - 75.8	3,300	60	53.9 - 66.1	17,100
Maternal age (BC)										
15-24	3,500	17	11.2 - 22.3	2,300	11	4.9 - 16.1	600	2 *	0.6 - 3.4	600
25-34	32,300	60	51.7 - 67.7	8,100	66	53.0 - 79.0	3,700	62	56.3 - 68.0	18,200
35+	15,700	24	16.8 - 30.2	3,200	24	10.4 - 36.7	1,300	36	30.1 - 41.6	10,500
Maternal education										
HS diploma (GED) or less	7,300	35	27.5 - 42.8	4,700	22	13.2 - 31.8	21,100	3 *	1.3 - 5.3	1,000
Any college or more	44,100	65	57.2 - 72.5	8,700	78	68.2 - 86.8	4,400	97 *	94.7 - 98.7	28,300
Parity (BC)										
First live birth	24,200	39	30.9 - 46.9	5,300	49	36.0 - 61.8	2,800	49	42.5 - 54.7	14,200
Second live birth or more	27,200	61	53.1 - 69.1	8,300	51	38.2 - 64.0	2,900	51	45.3 - 57.5	15,000
Marital status										
Married	44,300	65	56.6 - 72.6	8,600	86	79.3 - 92.8	4,800	96	93.5 - 97.6	27,900
Not married	6,900	35	27.4 - 43.4	4,700	14	7.2 - 20.7	800	4	2.4 - 6.5	1,300
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	6,000	32	25.0 - 38.6	4,200	23	14.0 - 32.5	1,300	1 *	0.3 - 2.0	300
Private	36,900	33	24.6 - 41.2	4,400	43	29.9 - 55.7	2,400	94	91.9 - 96.7	27,400
Uninsured	7,000	32	23.6 - 40.9	4,300	31	18.1 - 44.5	1,800	3 *	0.7 - 4.8	800
Other	1,100	3 *	0.7 - 5.4	400	3 *	0.3 - 5.1	200	2	0.8 - 2.8	500
Prenatal insurance (BC)										
Medi-Cal	10,500	61	52.9 - 69.8	8,300	38	27.8 - 48.9	2,200	--		
Private	38,700	36	27.8 - 44.7	4,900	48	35.3 - 61.1	2,700	96	94.8 - 98.0	28,200
Uninsured	1,000	--			--			--		
Other	1,200	2 *	0.4 - 3.2	200	--			3	1.4 - 4.0	800
CalFresh during pregnancy	4,100	21	15.5 - 27.1	2,900	20 *	6.1 - 33.7	1,100	--		
Financial Hardships during Pregnancy										
Any financial hardship	20,300	83	75.2 - 90.3	10,900	62	48.6 - 74.6	3,400	19	14.5 - 23.2	5,500
Income as % of poverty										
0-100%	7,200	46	37.1 - 54.2	5,800	27	17.4 - 36.7	1,500	--		
>100%	40,200	54	45.8 - 62.9	6,900	73	63.3 - 82.6	3,900	100 †		29,200
Hard to live on income	15,700	66	58.1 - 74.0	8,700	48	34.6 - 60.7	2,700	14	9.8 - 17.8	4,000
Food insecurity										
Food insecure	4,900	28	20.0 - 36.0	3,700	11	5.1 - 16.8	600	--		
Food secure	46,200	72	64.0 - 80.0	9,500	89	83.2 - 94.9	5,000	98 *	97.1 - 99.6	28,700
Health and Psychosocial Risk Indices										
Self-reported poor health	15,200	35	26.7 - 44.2	4,700	34	22.0 - 45.4	1,900	27	21.9 - 32.3	7,900
Psychosocial risk	14,200	38	29.7 - 46.1	5,000	35	23.1 - 46.1	1,900	22	17.3 - 27.3	6,500
Risky substance use	7,800	13	8.1 - 18.4	1,700	12	5.4 - 19.5	700	16	11.9 - 20.3	4,700
Dietary risk	42,500	93	89.8 - 95.7	12,100	--			84	80.1 - 87.9	23,300
Breastfeeding Intention										
Breastfeed exclusively	29,600	49	40.2 - 57.3	6,500	57	44.2 - 70.4	3,200	61	55.3 - 67.3	17,600
Any formula/not sure	21,000	51	42.7 - 59.8	6,900	43	29.6 - 55.8	2,400	39	32.7 - 44.7	11,100

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Black Women according to WIC Status during Pregnancy

Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	28,900	71	67.8 - 74.1	20,200	14	11.4 - 16.5	4,000	15	13.0 - 17.3	4,300
Socio-Demographic Factors										
Language spoken at home										
English	27,400	97	95.0 - 98.4	19,300	94 *	90.7 - 98.1	3,700	94 *	90.5 - 97.9	4,000
Spanish		--			--			--		
Asian or other	1,100	3	1.6 - 5.0	700	6 *	1.8 - 9.2	200	6 *	2.1 - 9.4	200
Maternal age (BC)										
15-24	11,800	50	43.2 - 56.0	10,000	38	27.7 - 47.5	1,500	3 *	1.0 - 6.0	100
25-34	13,300	43	36.4 - 49.8	8,700	47	37.3 - 56.3	1,900	60	50.7 - 70.2	2,600
35+	3,800	7	4.2 - 10.4	1,500	16	7.9 - 23.3	600	36	26.5 - 45.7	1,600
Maternal education										
HS diploma (GED) or less	10,900	47	40.0 - 53.6	9,300	31	23.8 - 39.2	21,100	4 *	1.4 - 7.3	200
Any college or more	17,800	53	46.4 - 60.0	10,600	69	60.8 - 76.2	2,700	96 *	92.7 - 98.6	4,100
Parity (BC)										
First live birth	12,100	43	36.6 - 49.8	8,700	31	22.0 - 40.5	1,200	45	35.2 - 55.6	2,000
Second live birth or more	16,800	57	50.2 - 63.4	11,400	69	59.5 - 78.0	2,700	55	44.4 - 64.8	2,400
Marital status										
Married	8,600	21	15.6 - 25.7	4,100	25	18.2 - 32.3	1,000	75	65.5 - 84.9	3,200
Not married	20,100	79	74.3 - 84.4	15,900	75	67.7 - 81.8	3,000	25	15.1 - 34.5	1,100
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	13,200	56	49.2 - 62.3	11,300	45	35.9 - 54.5	1,800	--		
Private	9,000	19	14.4 - 23.6	3,800	23	15.6 - 29.5	900	93	88.5 - 96.7	4,000
Uninsured	5,900	22	16.7 - 28.3	4,500	29	18.6 - 40.2	1,200	3 *	1.1 - 5.1	100
Other	800	3	1.4 - 4.1	600	3 *	0.5 - 5.1	100	2 *	0.2 - 4.2	100
Prenatal insurance (BC)										
Medi-Cal	16,200	66	59.8 - 71.5	13,200	74	66.2 - 81.0	2,900	--		
Private	10,300	25	20.1 - 30.4	5,100	17	11.5 - 23.5	700	94 *	90.0 - 98.7	4,100
Uninsured	300	--			4 *	0.9 - 7.1	200	--		
Other	2,200	9	4.9 - 12.4	1,700	5 *	0.4 - 9.2	200	6 *	1.3 - 9.9	200
CalFresh during pregnancy	15,500	65	59.4 - 71.0	13,000	58	49.5 - 67.5	2,300	--		
Financial Hardships during Pregnancy										
Any financial hardship	22,100	92	89.7 - 94.8	17,500	86	79.8 - 92.7	3,400	25	16.0 - 33.3	1,100
Income as % of poverty										
0-100%	16,400	75	69.4 - 79.8	13,700	71	62.9 - 79.5	2,700	--		
>100%	10,100	25	20.2 - 30.6	4,700	29	20.5 - 37.1	1,100	100 †		4,300
Hard to live on income	14,700	58	51.3 - 64.7	11,500	61	52.0 - 70.1	2,400	18	10.6 - 24.9	800
Food insecurity										
Food insecure	6,600	28	21.6 - 34.6	5,600	18	11.6 - 23.9	700	5 *	0.2 - 10.8	200
Food secure	22,000	72	65.4 - 78.4	14,300	82	76.1 - 88.4	3,200	95 *	89.2 - 99.8	4,100
Health and Psychosocial Risk Indices										
Self-reported poor health	6,500	23	18.1 - 27.0	4,500	28	20.1 - 36.8	1,100	20	13.3 - 27.6	900
Psychosocial risk	9,900	40	33.3 - 46.9	8,000	34	25.7 - 41.5	1,300	11	5.4 - 15.8	500
Risky substance use	10,400	39	32.2 - 45.8	7,600	42	31.8 - 51.7	1,600	24	16.7 - 31.8	1,000
Dietary risk	26,100	94 *	90.0 - 97.8	18,200	98 *	97.0 - 99.3	3,800	91 *	85.1 - 97.1	3,800
Breastfeeding Intention										
Breastfeed exclusively	14,200	42	36.0 - 48.5	8,300	59	50.5 - 68.4	2,300	79	71.5 - 86.8	3,300
Any formula/not sure	13,900	58	51.5 - 64.0	11,300	41	31.6 - 49.5	1,500	21	13.2 - 28.5	900

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of US-born Asian/Pacific Islander Women according to WIC Status during Pregnancy
Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	15,300	28	22.8 - 34.1	4,300	13	8.8 - 16.3	1,900	59	52.7 - 65.3	8,900
Socio-Demographic Factors										
Language spoken at home										
English	13,600	80	73.5 - 87.3	3,300	86 *	75.8 - 97.2	1,600	95 *	92.5 - 98.2	8,500
Spanish		--			--			--		
Asian or other	1,500	20	12.7 - 26.5	800	14 *	2.8 - 24.2	300	5 *	1.8 - 7.5	400
Maternal age (BC)										
15-24	2,700	43	32.8 - 54.0	1,900	35	22.1 - 48.7	700	--		
25-34	9,100	49	38.0 - 60.8	2,100	56	41.0 - 70.4	1,100	64	55.2 - 73.5	5,800
35+	3,600	7 *	1.1 - 13.4	300	9 *	2.8 - 14.9	200	34	25.3 - 43.6	3,100
Maternal education										
HS diploma (GED) or less	2,000	30	21.1 - 38.0	1,300	32	18.7 - 44.4	21,100	--		
Any college or more	13,300	70	62.0 - 78.9	3,000	68	55.6 - 81.3	1,300	99 *	97.5 - 99.8	8,800
Parity (BC)										
First live birth	6,600	38	26.6 - 48.9	1,600	35	18.7 - 50.4	700	48	39.0 - 57.7	4,300
Second live birth or more	8,700	62	51.1 - 73.4	2,700	65	49.6 - 81.3	1,200	52	42.3 - 61.0	4,600
Marital status										
Married	10,500	26	18.3 - 34.6	1,100	47	31.6 - 62.9	900	94	90.9 - 96.9	8,400
Not married	4,800	74	65.4 - 81.7	3,100	53	37.1 - 68.4	1,000	6	3.1 - 9.1	500
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	2,700	42	30.4 - 52.9	1,800	44	28.7 - 59.3	800	--		
Private	10,200	25	15.6 - 35.4	1,100	27	15.5 - 39.3	500	94 *	89.0 - 98.9	8,400
Uninsured	2,000	31	20.2 - 41.0	1,300	28	11.9 - 44.0	500	--		
Other	500	--			--			--		
Prenatal insurance (BC)										
Medi-Cal	3,700	61	49.0 - 72.6	2,600	55	39.1 - 71.3	1,100	--		
Private	10,900	31	18.8 - 42.7	1,300	37	20.5 - 54.3	700	--		
Uninsured	200	--			--			--		
Other	600	7 *	1.4 - 12.8	300	--			--		
CalFresh during pregnancy	2,200	42	31.0 - 53.6	1,800	18	9.0 - 27.6	300	--		
Financial Hardships during Pregnancy										
Any financial hardship	6,700	93	88.3 - 97.0	3,900	82	72.8 - 91.4	1,500	15	9.1 - 20.1	1,300
Income as % of poverty										
0-100%	2,900	57	45.2 - 68.6	2,200	39	24.3 - 53.6	700	--		
>100%	11,700	43	31.4 - 54.8	1,700	61	46.4 - 75.7	1,100	100 †		8,900
Hard to live on income	5,000	66	55.6 - 76.8	2,800	67	54.1 - 79.5	1,200	11	6.1 - 15.0	900
Food insecurity										
Food insecure	2,200	40	29.5 - 51.2	1,700	19 *	3.1 - 35.7	400	--		
Food secure	13,100	60	48.8 - 70.5	2,500	81 *	64.3 - 96.9	1,500	--		
Health and Psychosocial Risk Indices										
Self-reported poor health	3,300	28	18.7 - 36.4	1,200	29	15.4 - 43.2	500	16	9.9 - 22.4	1,400
Psychosocial risk	3,900	37	25.2 - 47.8	1,600	37	20.9 - 53.9	700	18	9.2 - 26.5	1,600
Risky substance use	5,400	44	32.5 - 55.2	1,900	41	24.9 - 56.5	800	30	21.3 - 37.8	2,600
Dietary risk	13,200	--			85 *	72.5 - 98.3	1,600	86	80.4 - 92.3	7,400
Breastfeeding Intention										
Breastfeed exclusively	11,100	56	45.5 - 67.0	2,400	63	48.2 - 77.0	1,200	83	76.5 - 89.2	7,400
Any formula/not sure	4,100	44	33.0 - 54.5	1,800	37	23.0 - 51.8	700	17	10.8 - 23.5	1,500

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

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Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of American Indian/Alaska Native Women according to WIC Status during Pregnancy
Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	7,100	64	57.5 - 70.0	4,400	16	11.8 - 20.0	1,100	20	15.4 - 25.2	1,400
Socio-Demographic Factors										
Language spoken at home										
English	6,900	--			100 †		1,100	--		
Spanish	< 100	--			--			--		
Asian or other	200	--			--			--		
Maternal age (BC)										
15-24	2,600	46	36.6 - 55.7	2,000	35	23.6 - 47.2	400	14	6.0 - 22.7	200
25-34	4,000	50	40.0 - 59.9	2,200	58	45.6 - 71.0	600	71	60.2 - 81.3	1,000
35+	500	4	2.3 - 5.6	200	--			15	7.5 - 22.2	200
Maternal education										
HS diploma (GED) or less	2,700	49	38.9 - 58.7	2,100	47	33.9 - 59.8	21,100	6 *	1.5 - 9.9	100
Any college or more	4,300	51	41.3 - 61.1	2,200	53	40.2 - 66.1	600	94 *	90.1 - 98.5	1,300
Parity (BC)										
First live birth	2,600	34	26.2 - 42.7	1,500	41	28.1 - 54.0	400	46	33.1 - 58.2	600
Second live birth or more	4,500	66	57.3 - 73.8	2,900	59	46.0 - 71.9	600	54	41.8 - 66.9	800
Marital status										
Married	3,100	30	18.0 - 41.5	1,300	34	20.7 - 46.4	400	85	76.9 - 92.7	1,200
Not married	4,000	70	58.5 - 82.0	3,100	66	53.6 - 79.3	700	15	7.3 - 23.1	200
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	2,600	51	41.2 - 61.5	2,200	35	22.8 - 48.0	400	--		
Private	2,800	25	12.4 - 36.7	1,100	26	13.0 - 38.9	300	92 *	86.9 - 97.8	1,300
Uninsured	1,200	20	13.9 - 25.2	800	31	20.3 - 42.7	300	--		
Other	300	5 *	1.4 - 7.7	200	7 *	1.8 - 12.5	100	--		
Prenatal insurance (BC)										
Medi-Cal	3,800	71	59.5 - 82.8	3,100	61	48.0 - 74.2	700	--		
Private	2,800	22	10.2 - 34.1	1,000	26	14.2 - 38.0	300	93 *	88.1 - 98.7	1,300
Uninsured	200	--			--			--		
Other	300	5 *	1.0 - 9.9	200	--			--		
CalFresh during pregnancy	2,800	54	43.6 - 64.5	2,400	43	29.6 - 55.7	500	--		
Financial Hardships during Pregnancy										
Any financial hardship	5,300	92 *	86.4 - 97.2	3,900	82 *	69.5 - 93.9	800	28	17.7 - 38.0	400
Income as % of poverty										
0-100%	3,500	68	56.2 - 80.3	2,900	63	49.8 - 76.1	600	--		
>100%	3,100	32	19.7 - 43.8	1,300	37	23.9 - 50.2	400	100 †		1,400
Hard to live on income	4,200	73	65.5 - 80.4	3,200	58	45.0 - 71.5	600	20	11.3 - 27.9	300
Food insecurity										
Food insecure	1,800	32	23.5 - 39.7	1,400	28	15.6 - 39.7	300	--		
Food secure	5,300	68	60.3 - 76.5	3,000	72	60.3 - 84.4	800	92 *	85.7 - 98.1	1,300
Health and Psychosocial Risk Indices										
Self-reported poor health	2,200	30	22.7 - 38.1	1,300	36	23.5 - 49.3	400	25	13.6 - 36.8	300
Psychosocial risk	2,900	49	39.2 - 59.3	2,200	37	24.9 - 49.5	400	19	10.7 - 26.8	300
Risky substance use	4,000	63	52.4 - 74.3	2,700	58	45.2 - 70.9	600	44	31.6 - 56.5	600
Dietary risk	6,500	98 *	95.7 - 99.4	4,100	--			92 *	84.9 - 99.0	1,200
Breastfeeding Intention										
Breastfeed exclusively	4,700	61	50.2 - 72.5	2,600	72	60.0 - 83.9	800	87	78.9 - 94.2	1,200
Any formula/not sure	2,200	39	27.5 - 49.8	1,600	28	16.1 - 40.0	300	13	5.8 - 21.1	200

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women with Medi-Cal for Prenatal Care according to WIC Status during Pregnancy
Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	231,800	88	87.5 - 88.9	204,300	12	11.1 - 12.5	27,400	--		
Socio-Demographic Factors										
Race/ethnicity (BC)										
White	32,600	12	10.6 - 12.6	23,500	35	31.9 - 37.4	9,100	--		
Hispanic US-born	67,200	30	28.4 - 32.4	61,300	22	19.9 - 24.5	5,800	--		
Hispanic foreign-born	96,100	45	43.2 - 47.2	91,200	18	15.7 - 21.3	4,900	--		
Asian/PI foreign-born	10,500	4	3.3 - 4.9	8,300	8	6.5 - 10.0	2,200	--		
Asian/PI US-born	3,700	1	1.0 - 1.6	2,600	4	2.7 - 5.2	1,100	--		
Black	16,200	7	5.8 - 7.4	13,200	11	8.9 - 13.4	2,900	--		
Other	1,900	1	0.5 - 1.1	1,600	1	0.7 - 1.9	300	--		
Language spoken at home										
English	126,100	52	50.2 - 54.2	105,700	75	72.4 - 78.4	20,400	--		
Spanish	87,700	41	39.2 - 43.2	83,500	16	12.8 - 18.3	4,200	--		
Asian or other	15,700	7	5.5 - 7.6	13,200	9	7.4 - 10.7	2,400	--		
Maternal age (BC)										
15-24	102,200	45	43.0 - 47.2	92,100	37	33.8 - 39.7	10,100	--		
25-34	104,500	45	42.5 - 46.6	91,100	49	45.7 - 51.9	13,400	--		
35+	25,100	10	9.2 - 11.5	21,100	14	11.8 - 17.0	4,000	--		
Maternal education										
HS diploma (GED) or less	152,200	69	66.9 - 70.7	139,700	46	42.5 - 48.8	21,100	--		
Any college or more	78,200	31	29.3 - 33.1	63,400	54	51.2 - 57.5	14,800	--		
Parity (BC)										
First live birth	83,400	36	34.0 - 38.0	73,600	36	32.8 - 38.5	9,800	--		
Second live birth or more	148,300	64	62.0 - 66.0	130,700	64	61.5 - 67.2	17,600	--		
Marital status										
Married	81,800	35	32.9 - 36.7	70,700	41	37.8 - 43.8	11,100	--		
Not married	148,800	65	63.3 - 67.1	132,600	59	56.2 - 62.2	16,200	--		
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	110,800	50	48.1 - 52.2	100,500	38	35.1 - 41.0	10,300	--		
Private	16,000	6	4.9 - 6.8	11,700	16	13.9 - 18.4	4,400	--		
Uninsured	96,100	42	40.0 - 44.1	84,200	44	40.7 - 47.0	11,900	--		
Other	4,600	2	1.5 - 2.5	4,000	2	1.4 - 2.7	600	--		
CalFresh during pregnancy	95,400	43	40.5 - 44.5	86,100	34	31.0 - 37.1	9,300	--		
Financial Hardships during Pregnancy										
Any financial hardship	201,000	92	91.3 - 93.5	179,800	81	79.2 - 83.6	21,300	--		
Income as % of poverty										
0-100%	161,900	79	77.1 - 80.5	146,800	61	57.7 - 63.7	15,100	--		
>100%	49,200	21	19.5 - 22.9	39,400	39	36.3 - 42.3	9,800	--		
Hard to live on income	138,000	61	59.2 - 63.3	122,400	58	54.9 - 60.8	15,600	--		
Food insecurity										
Food insecure	67,600	31	28.6 - 32.4	62,000	20	17.5 - 23.3	5,600	--		
Food secure	162,700	69	67.6 - 71.4	141,000	80	76.7 - 82.5	21,800	--		
Health and Psychosocial Risk Indices										
Self-reported poor health	63,400	28	26.6 - 30.2	56,600	25	22.5 - 27.8	6,800	--		
Psychosocial risk	83,500	36	34.4 - 38.4	73,800	36	32.8 - 39.1	9,700	--		
Risky substance use	61,100	25	23.4 - 26.9	50,500	39	35.9 - 41.9	10,600	--		
Dietary risk	214,400	97	96.4 - 97.7	189,100	96	95.0 - 96.8	25,300	--		
Breastfeeding Intention										
Breastfeed exclusively	117,800	51	48.9 - 53.0	101,500	62	58.9 - 64.8	16,300	--		
Any formula/not sure	107,700	49	47.0 - 51.1	97,600	38	35.2 - 41.1	10,100	--		

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women with Private Insurance for Prenatal Care according to WIC Status during Pregnancy

Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	237,000	25	23.6 - 26.5	57,000	9	7.9 - 10.0	20,400	66	64.3 - 67.6	150,000
Socio-Demographic Factors										
Race/ethnicity (BC)										
White	97,800	15	13.3 - 17.6	8,700	38	32.4 - 44.1	7,600	53	50.9 - 55.5	77,900
Hispanic US-born	50,700	41	37.6 - 45.2	23,300	25	19.8 - 30.7	5,000	14	12.6 - 15.8	20,800
Hispanic foreign-born	22,900	23	19.7 - 25.8	12,800	15	11.1 - 19.4	3,000	4	3.5 - 5.2	6,300
Asian/PI foreign-born	38,700	9	6.2 - 11.2	4,900	14	8.9 - 18.7	2,700	19	17.2 - 21.3	28,200
Asian/PI US-born	10,900	2	1.2 - 3.5	1,300	4 *	1.3 - 5.9	700	6	4.9 - 7.1	8,700
Black	10,300	9	7.2 - 10.8	5,100	4	2.2 - 4.8	700	3	2.4 - 3.2	4,100
Other	700	0	0.2 - 0.5	200	--			0	0.1 - 0.4	400
Language spoken at home										
English	186,100	73	69.9 - 76.6	41,400	80	75.1 - 84.4	16,100	82	80.3 - 84.3	122,300
Spanish	17,400	20	17.1 - 23.2	11,400	10	6.9 - 13.4	2,000	2	1.7 - 3.0	3,500
Asian or other	31,300	7	4.7 - 8.3	3,700	10	6.4 - 13.8	2,000	15	13.4 - 17.3	22,800
Maternal age (BC)										
15-24	29,500	32	28.4 - 35.0	18,100	22	18.0 - 26.6	4,500	4	3.4 - 4.9	6,200
25-34	144,700	52	47.9 - 55.4	29,400	62	56.7 - 67.9	12,700	65	62.4 - 66.9	96,900
35+	62,800	17	13.7 - 19.6	9,500	15	10.9 - 19.8	3,100	31	29.0 - 33.5	46,900
Maternal education										
HS diploma (GED) or less	37,200	39	35.7 - 43.0	22,400	30	24.3 - 34.9	21,100	5	4.1 - 5.7	7,400
Any college or more	199,400	61	57.0 - 64.3	34,500	70	65.1 - 75.7	14,300	95	94.3 - 95.9	142,400
Parity (BC)										
First live birth	102,700	36	32.6 - 39.8	20,600	44	37.6 - 49.8	8,900	46	43.4 - 48.0	68,500
Second live birth or more	134,300	64	60.2 - 67.4	36,400	56	50.2 - 62.4	11,500	54	52.0 - 56.6	81,400
Marital status										
Married	187,700	52	47.8 - 55.3	29,200	66	60.6 - 71.2	13,400	91	89.6 - 92.2	136,200
Not married	48,700	48	44.7 - 52.2	27,400	34	28.8 - 39.4	6,900	9	7.8 - 10.4	13,600
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	13,200	17	14.6 - 20.3	9,900	11	7.7 - 14.8	2,300	1	0.3 - 0.8	900
Private	206,600	69	66.1 - 72.9	39,400	77	72.3 - 81.9	15,500	95	94.4 - 96.3	142,700
Uninsured	11,800	10	8.0 - 12.5	5,800	10	6.8 - 14.0	2,100	2	1.6 - 3.2	3,600
Other	4,400	3	2.0 - 3.6	1,600	1	0.5 - 1.9	200	2	1.2 - 2.2	2,500
CalFresh during pregnancy	12,700	19	16.3 - 22.2	10,900	7	4.6 - 9.8	1,500	--		
Financial Hardships during Pregnancy										
Any financial hardship	93,000	79	75.7 - 82.2	43,600	70	64.7 - 75.9	14,100	22	20.0 - 23.7	32,400
Income as % of poverty										
0-100%	29,200	42	38.3 - 45.9	22,500	33	27.7 - 38.7	6,700	--		
>100%	194,500	58	54.1 - 61.7	30,900	67	61.3 - 72.3	13,600	100 †		150,000
Hard to live on income	70,100	59	55.4 - 62.8	33,400	51	45.1 - 57.2	10,400	16	14.5 - 17.8	24,100
Food insecurity										
Food insecure	19,600	24	20.4 - 26.7	13,300	16	11.5 - 20.5	3,200	2	1.4 - 2.4	2,900
Food secure	216,700	76	73.3 - 79.6	43,300	84	79.5 - 88.5	17,000	98	97.6 - 98.6	147,000
Health and Psychosocial Risk Indices										
Self-reported poor health	49,500	27	23.2 - 30.2	15,000	23	18.0 - 28.1	4,600	19	17.0 - 20.5	28,000
Psychosocial risk	49,700	33	29.0 - 36.1	18,400	29	23.2 - 34.1	5,800	16	14.3 - 17.7	23,900
Risky substance use	83,000	31	28.0 - 34.8	17,500	36	30.0 - 41.2	7,200	37	35.1 - 39.5	55,600
Dietary risk	200,800	96	94.1 - 97.2	52,800	96	93.5 - 98.0	18,900	85	83.5 - 86.8	121,300
Breastfeeding Intention										
Breastfeed exclusively	165,100	55	51.6 - 59.2	31,300	71	65.9 - 76.0	14,200	76	74.0 - 78.0	112,600
Any formula/not sure	69,000	45	40.8 - 48.4	25,200	29	24.0 - 34.1	5,800	24	22.0 - 26.0	35,500

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Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women with CalFresh During Pregnancy according to WIC Status during Pregnancy

Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	113,900	89	87.5 - 90.1	101,100	11	9.7 - 12.2	12,500	--		
Socio-Demographic Factors										
Race/ethnicity (BC)										
White	19,700	16	14.2 - 17.4	15,700	32	27.0 - 37.0	3,900	--		
Hispanic US-born	35,500	32	29.7 - 35.1	32,200	27	22.3 - 31.2	3,200	--		
Hispanic foreign-born	33,900	33	30.5 - 35.7	32,900	8	5.1 - 10.8	1,000	--		
Asian/PI foreign-born	4,100	3	2.1 - 3.7	2,900	9 *	2.3 - 16.3	1,100	--		
Asian/PI US-born	2,200	2	1.2 - 2.5	1,800	3	1.4 - 4.3	300	--		
Black	15,500	13	11.5 - 14.7	13,000	19	14.4 - 23.8	2,300	--		
Other	1,200	1	0.6 - 1.2	900	2 *	0.8 - 3.2	200	--		
Language spoken at home										
English	75,800	65	62.2 - 67.5	65,000	85	78.1 - 91.2	10,500	--		
Spanish	30,400	29	26.8 - 31.9	29,500	8	4.8 - 11.1	1,000	--		
Asian or other	6,800	6	4.6 - 6.9	5,800	7 *	1.0 - 13.7	900	--		
Maternal age (BC)										
15-24	47,600	42	39.3 - 44.7	42,500	41	35.0 - 46.3	5,100	--		
25-34	54,100	48	44.9 - 50.6	48,300	44	38.7 - 50.3	5,500	--		
35+	12,200	10	8.6 - 11.9	10,400	15	8.1 - 21.8	1,900	--		
Maternal education										
HS diploma (GED) or less	74,700	68	65.0 - 70.2	68,000	53	46.5 - 58.8	21,100	--		
Any college or more	38,800	32	29.8 - 35.0	32,600	47	41.2 - 53.5	5,900	--		
Parity (BC)										
First live birth	27,500	25	22.2 - 27.1	24,900	20	15.8 - 24.6	2,500	--		
Second live birth or more	86,300	75	72.9 - 77.8	76,100	80	75.4 - 84.2	9,900	--		
Marital status										
Married	32,900	29	26.6 - 31.5	29,200	29	22.2 - 35.3	3,600	--		
Not married	80,400	71	68.5 - 73.4	71,300	71	64.7 - 77.8	8,900	--		
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	70,800	63	60.1 - 65.5	62,900	63	56.4 - 69.4	7,800	--		
Private	8,500	7	6.0 - 8.8	7,400	8	5.0 - 10.1	900	--		
Uninsured	32,000	28	25.9 - 31.0	28,500	28	21.7 - 35.1	3,500	--		
Other	1,500	1	0.9 - 1.8	1,400	1 *	0.4 - 1.8	100	--		
Prenatal insurance (BC)										
Medi-Cal	95,400	85	83.5 - 87.3	86,100	75	68.4 - 81.9	9,300	--		
Private	12,700	11	9.1 - 12.6	10,900	12	7.8 - 15.9	1,500	--		
Uninsured	2,400	1	0.7 - 1.5	1,100	11 *	4.1 - 17.2	1,300	--		
Other	3,000	3	1.8 - 3.5	2,700	2 *	0.6 - 4.1	300	--		
Financial Hardships during Pregnancy										
Any financial hardship	107,000	97	95.8 - 98.0	95,100	97	94.8 - 98.3	11,800	--		
Income as % of poverty										
0-100%	92,100	88	85.7 - 89.4	82,100	84	76.9 - 90.6	9,900	--		
>100%	13,900	12	10.6 - 14.3	11,700	16	9.4 - 23.1	1,900	-- †		
Hard to live on income	79,900	71	67.8 - 73.2	70,400	76	72.0 - 80.4	9,400	--		
Food insecurity										
Food insecure	37,600	34	31.3 - 36.7	34,100	28	22.7 - 32.7	3,400	--		
Food secure	75,600	66	63.3 - 68.7	66,400	72	67.3 - 77.3	9,000	--		
Health and Psychosocial Risk Indices										
Self-reported poor health	34,200	31	28.0 - 33.0	30,100	32	26.7 - 37.7	3,900	--		
Psychosocial risk	45,300	40	36.7 - 42.3	39,700	45	38.7 - 50.5	5,500	--		
Risky substance use	38,000	32	29.6 - 34.9	32,000	47	41.2 - 53.2	5,800	--		
Dietary risk	106,200	97	96.5 - 98.0	94,600	--			--		
Breastfeeding Intention										
Breastfeed exclusively	54,500	49	46.1 - 51.8	48,200	53	46.3 - 58.8	6,200	--		
Any formula/not sure	56,000	51	48.2 - 53.9	50,200	47	41.2 - 53.7	5,600	--		

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women with Food Insecurity During Pregnancy according to WIC Status during Pregnancy
Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	91,900	86	83.9 - 87.3	78,400	11	9.5 - 12.6	10,100	3	2.5 - 4.1	3,000
Socio-Demographic Factors										
Race/ethnicity (BC)										
White	14,700	13	11.2 - 14.6	10,000	33	26.8 - 38.9	3,200	49	36.4 - 60.7	1,500
Hispanic US-born	22,600	25	21.8 - 27.9	19,300	30	22.3 - 36.7	2,900	14	6.5 - 21.1	400
Hispanic foreign-born	39,000	47	44.1 - 50.5	36,700	19	12.6 - 26.3	1,900	9 *	1.7 - 16.1	300
Asian/PI foreign-born	4,900	5	3.2 - 6.3	3,700	6	3.1 - 9.6	600	--		
Asian/PI US-born	2,200	2	1.5 - 2.9	1,700	4 *	0.1 - 7.5	400	--		
Black	6,600	7	5.5 - 9.0	5,600	7	4.6 - 9.7	700	8 *	0.6 - 14.9	200
Other	700	1	0.4 - 1.1	600	1 *	0.3 - 1.6	100	--		
Language spoken at home										
English	53,300	55	52.2 - 58.6	43,000	78	71.5 - 85.0	7,800	80	68.8 - 91.5	2,400
Spanish	32,100	39	35.5 - 41.7	30,000	18	10.9 - 24.3	1,800	--		
Asian or other	5,500	6	4.4 - 7.5	4,600	4	2.2 - 6.1	400	--		
Maternal age (BC)										
15-24	33,800	38	34.9 - 41.2	29,800	35	29.0 - 41.7	3,600	11 *	4.5 - 18.4	300
25-34	44,900	47	44.0 - 50.6	37,100	51	44.2 - 58.6	5,200	76	66.4 - 86.2	2,300
35+	13,200	15	12.3 - 16.9	11,500	13	8.2 - 18.3	1,300	12 *	4.5 - 20.0	400
Maternal education										
HS diploma (GED) or less	56,600	65	62.0 - 68.3	50,900	50	43.2 - 57.6	21,100	12 *	4.8 - 19.7	400
Any college or more	35,000	35	31.7 - 38.0	27,300	50	42.4 - 56.8	5,000	88 *	80.3 - 95.2	2,700
Parity (BC)										
First live birth	30,100	33	29.5 - 35.8	25,600	31	24.6 - 37.1	3,100	40	27.6 - 51.9	1,200
Second live birth or more	61,800	67	64.2 - 70.5	52,800	69	62.9 - 75.4	7,000	60	48.1 - 72.4	1,800
Marital status										
Married	34,700	36	33.2 - 39.5	28,300	37	29.7 - 44.2	3,700	79	69.2 - 89.4	2,400
Not married	56,700	64	60.5 - 66.8	49,700	63	55.8 - 70.3	6,400	21	10.6 - 30.8	600
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	36,000	43	39.5 - 46.0	33,100	29	23.2 - 34.4	2,900	--		
Private	18,600	16	13.6 - 18.3	12,300	31	23.9 - 38.9	3,200	--		
Uninsured	33,600	38	35.2 - 41.7	29,800	38	30.9 - 45.0	3,800	--		
Other	2,500	3	1.8 - 3.9	2,200	2 *	0.5 - 3.2	200	--		
Prenatal insurance (BC)										
Medi-Cal	67,600	79	76.6 - 81.7	62,000	55	47.8 - 62.5	5,600	--		
Private	19,600	17	14.6 - 19.4	13,300	32	24.6 - 39.7	3,200	--		
Uninsured	2,300	2	0.9 - 2.1	1,200	10	5.7 - 14.3	1,000	--		
Other	2,200	2	1.4 - 3.2	1,800	3 *	0.4 - 4.9	300	--		
CalFresh during pregnancy	37,600	44	40.5 - 47.0	34,100	34	27.9 - 40.3	3,400	--		
Financial Hardships during Pregnancy										
Any financial hardship	91,900	100 †		78,400	100 †		10,100	100 †		3,000
Income as % of poverty										
0-100%	64,100	79	76.4 - 81.9	57,700	66	58.5 - 73.3	6,400	--		
>100%	21,600	21	18.1 - 23.6	15,200	34	26.7 - 41.5	3,300	100 †		3,000
Hard to live on income	77,200	85	83.0 - 87.9	66,000	87	82.4 - 92.2	8,700	79	69.3 - 88.0	2,400
Health and Psychosocial Risk Indices										
Self-reported poor health	31,400	37	33.4 - 39.8	27,800	27	21.0 - 32.1	2,600	32	20.0 - 44.1	1,000
Psychosocial risk	47,000	51	47.8 - 54.4	39,700	60	52.8 - 66.5	6,000	43	31.1 - 55.3	1,300
Risky substance use	29,100	30	27.4 - 33.6	23,300	47	39.9 - 54.2	4,700	34	23.2 - 45.8	1,000
Dietary risk	86,000	98	97.3 - 98.8	73,600	97 *	95.6 - 98.9	9,600	88 *	80.7 - 95.6	2,500
Breastfeeding Intention										
Breastfeed exclusively	48,800	53	50.2 - 56.7	40,600	61	53.8 - 67.6	5,800	73	61.8 - 84.1	2,200
Any formula/not sure	40,100	47	43.3 - 49.8	35,300	39	32.4 - 46.2	3,800	27	15.9 - 38.2	800

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women who Were First-time Moms according to WIC Status during Pregnancy
Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	197,800	51	49.4 - 52.9	98,600	11	10.0 - 12.1	21,300	38	36.1 - 39.6	72,900
Socio-Demographic Factors										
Race/ethnicity (BC)										
White	64,100	15	13.5 - 16.8	14,700	44	39.1 - 49.4	9,100	54	50.9 - 57.6	38,600
Hispanic US-born	55,200	42	39.3 - 45.2	41,100	21	17.0 - 24.7	4,300	13	10.6 - 15.1	9,200
Hispanic foreign-born	30,500	26	23.2 - 28.2	25,000	12	8.8 - 14.6	2,400	4	2.6 - 4.9	2,700
Asian/PI foreign-born	24,200	5	4.1 - 6.7	5,300	13	9.2 - 17.8	2,800	20	16.9 - 22.9	14,200
Asian/PI US-born	6,600	2	1.0 - 2.3	1,600	3 *	1.3 - 5.1	700	6	4.5 - 7.6	4,300
Black	12,100	9	7.6 - 10.4	8,700	6	3.9 - 8.1	1,200	3	2.0 - 3.5	2,000
Other	1,300	1 *	0.4 - 1.4	900	1 *	0.2 - 0.9	100	0 *	0.1 - 0.6	300
Language spoken at home										
English	143,100	67	64.7 - 70.1	65,800	76	72.1 - 80.5	16,100	81	77.8 - 83.7	58,400
Spanish	29,300	26	23.1 - 28.1	25,000	11	8.2 - 14.3	2,400	2	1.2 - 3.0	1,500
Asian or other	23,500	7	5.4 - 8.5	6,800	12	9.1 - 15.8	2,600	17	14.3 - 20.0	12,400
Maternal age (BC)										
15-24	84,600	70	67.4 - 72.9	69,100	46	40.9 - 50.7	9,800	7	5.6 - 8.6	5,200
25-34	91,000	27	23.9 - 29.2	26,200	46	41.1 - 51.4	9,800	71	67.6 - 73.6	51,500
35+	22,200	3	2.3 - 4.4	3,300	8	4.6 - 11.3	1,700	22	19.4 - 25.1	16,200
Maternal education										
HS diploma (GED) or less	64,600	55	52.4 - 58.3	54,300	33	28.5 - 37.5	21,100	4	2.5 - 4.5	2,600
Any college or more	132,400	45	41.7 - 47.6	43,700	67	62.5 - 71.5	14,200	96	95.5 - 97.5	70,200
Marital status										
Married	102,900	25	22.7 - 27.4	24,500	45	39.7 - 50.0	9,500	88	86.1 - 90.2	64,200
Not married	94,300	75	72.6 - 77.3	73,500	55	50.0 - 60.3	11,700	12	9.8 - 13.9	8,600
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	30,200	28	25.6 - 30.8	27,300	12	9.0 - 14.1	2,400	1 *	0.0 - 1.1	400
Private	105,200	24	21.6 - 26.7	23,400	48	42.7 - 52.8	9,900	93	90.7 - 94.5	67,300
Uninsured	53,500	44	41.2 - 47.1	42,700	38	33.1 - 42.3	7,900	4	2.1 - 5.1	2,600
Other	6,400	3	2.6 - 4.3	3,300	3	1.7 - 4.3	600	3	2.1 - 4.3	2,300
Prenatal insurance (BC)										
Medi-Cal	83,400	75	72.4 - 77.2	73,600	46	41.4 - 50.9	9,800	--		
Private	102,700	21	18.7 - 23.3	20,600	42	36.6 - 47.3	8,900	94	92.4 - 95.5	68,500
Uninsured	4,300	2	0.9 - 2.1	1,500	8	5.0 - 11.2	1,700	2	0.9 - 2.2	1,100
Other	7,000	3	2.0 - 3.4	2,700	4	1.8 - 5.7	800	5	3.1 - 5.9	3,300
CalFresh during pregnancy	27,500	25	22.9 - 27.9	24,900	12	9.2 - 14.5	2,500	--		
Financial Hardships during Pregnancy										
Any financial hardship	110,000	87	84.6 - 89.1	79,700	69	64.4 - 74.4	14,200	20	17.6 - 23.0	14,600
Income as % of poverty										
0-100%	68,300	69	66.1 - 71.9	59,700	43	37.6 - 47.9	8,600	--		
>100%	111,400	31	28.1 - 33.9	26,800	57	52.1 - 62.4	11,500	100 †		72,900
Hard to live on income	69,000	52	49.0 - 55.0	49,800	44	38.7 - 48.9	9,200	13	10.2 - 14.8	9,100
Food insecurity										
Food insecure	30,100	26	23.6 - 28.9	25,600	15	11.4 - 17.9	3,100	2	1.0 - 2.3	1,200
Food secure	166,700	74	71.1 - 76.4	72,000	85	82.1 - 88.6	18,200	98	97.7 - 99.0	71,700
Health and Psychosocial Risk Indices										
Self-reported poor health	44,200	26	23.4 - 28.6	25,100	21	17.0 - 24.7	4,300	19	16.3 - 21.2	13,500
Psychosocial risk	52,800	35	31.8 - 37.4	33,800	29	25.0 - 33.9	6,300	16	13.6 - 18.6	11,700
Risky substance use	72,700	34	30.9 - 36.4	32,500	44	39.1 - 49.1	9,300	41	37.7 - 44.0	29,600
Dietary risk	170,900	96	94.6 - 96.9	90,800	97	94.9 - 98.2	19,500	83	81.0 - 85.9	56,900
Breastfeeding Intention										
Breastfeed exclusively	135,900	60	57.1 - 63.0	57,800	74	70.0 - 78.3	15,500	82	79.1 - 84.5	59,000
Any formula/not sure	58,300	40	37.0 - 42.9	38,500	26	21.7 - 30.0	5,400	18	15.5 - 20.9	13,100

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women who Had a Prior Live Birth according to WIC Status during Pregnancy

Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	298,800	60	58.6 - 61.1	175,500	11	10.2 - 11.8	32,300	29	27.9 - 30.4	85,500
Socio-Demographic Factors										
Race/ethnicity (BC)										
White	76,700	12	10.8 - 13.0	20,600	31	28.0 - 34.3	9,700	53	49.8 - 56.0	44,200
Hispanic US-born	69,000	27	25.1 - 29.3	47,200	25	21.8 - 28.5	7,900	15	13.2 - 17.7	12,900
Hispanic foreign-born	93,400	47	45.2 - 49.5	82,100	20	17.2 - 23.8	6,400	5	3.8 - 6.4	4,300
Asian/PI foreign-born	27,200	5	3.7 - 5.8	8,300	9	6.1 - 12.5	2,900	18	15.3 - 20.7	15,000
Asian/PI US-born	8,700	2	1.1 - 2.0	2,700	4	2.6 - 5.4	1,200	6	4.1 - 7.0	4,600
Black	16,800	7	5.7 - 7.5	11,400	9	6.9 - 10.6	2,700	3	2.2 - 3.4	2,400
Other	1,600	1	0.4 - 0.8	1,100	1	0.6 - 1.8	400	0 *	0.1 - 0.3	200
Language spoken at home										
English	189,600	52	49.9 - 54.3	90,700	76	72.2 - 79.6	24,200	84	81.2 - 86.3	70,900
Spanish	80,600	42	39.6 - 43.9	72,600	16	12.9 - 18.7	5,000	3	2.0 - 3.9	2,500
Asian or other	25,700	6	5.1 - 7.2	10,700	8	5.4 - 11.3	2,700	13	10.9 - 15.8	11,300
Maternal age (BC)										
15-24	56,500	27	24.9 - 28.8	47,200	23	19.7 - 25.4	7,300	2	1.6 - 2.8	1,900
25-34	172,500	57	54.7 - 59.0	99,800	57	53.6 - 61.2	18,500	60	56.9 - 63.0	51,300
35+	69,700	16	14.7 - 17.8	28,500	20	16.5 - 23.6	6,500	38	34.8 - 40.8	32,300
Maternal education										
HS diploma (GED) or less	134,800	66	63.5 - 67.6	114,500	44	40.0 - 47.5	21,100	6	5.1 - 7.6	5,500
Any college or more	162,800	34	32.4 - 36.5	60,100	56	52.5 - 60.0	18,100	94	92.4 - 94.9	80,000
Marital status										
Married	183,000	46	44.1 - 48.5	80,800	55	51.5 - 58.9	17,800	93	91.5 - 94.5	79,400
Not married	114,300	54	51.5 - 55.9	93,600	45	41.1 - 48.5	14,400	7	5.5 - 8.5	5,900
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	99,200	50	48.2 - 52.7	87,300	35	31.6 - 38.2	11,200	1	0.4 - 1.2	700
Private	128,000	18	16.0 - 19.2	30,500	36	32.1 - 39.7	11,500	95	93.7 - 95.9	81,000
Uninsured	60,800	29	27.3 - 31.2	50,600	27	23.1 - 30.3	8,600	2	1.0 - 2.2	1,400
Other	7,900	3	2.0 - 3.3	4,600	3	1.7 - 3.4	800	3	1.9 - 3.7	2,400
Prenatal insurance (BC)										
Medi-Cal	148,300	75	72.7 - 76.5	130,700	55	50.8 - 58.5	17,600	--		
Private	134,300	21	19.0 - 22.5	36,400	36	31.7 - 39.4	11,500	95	94.1 - 96.4	81,400
Uninsured	5,500	1	0.7 - 1.4	1,800	6	3.6 - 9.2	2,100	2	0.9 - 2.3	1,300
Other	10,200	4	2.8 - 4.4	6,300	3	2.1 - 4.7	1,100	3	2.3 - 4.1	2,700
CalFresh during pregnancy	86,300	44	41.6 - 45.9	76,100	31	27.4 - 34.4	9,900	--		
Financial Hardships during Pregnancy										
Any financial hardship	199,800	90	88.8 - 91.3	153,000	81	78.4 - 84.0	25,500	23	20.5 - 25.3	19,500
Income as % of poverty										
0-100%	132,700	71	68.8 - 72.7	116,300	53	49.1 - 56.9	16,300	--		
>100%	148,100	29	27.3 - 31.2	48,100	47	43.1 - 50.9	14,500	100 †		85,500
Hard to live on income	149,400	65	62.7 - 67.0	112,100	62	58.1 - 65.2	19,800	19	16.8 - 21.4	16,300
Food insecurity										
Food insecure	61,800	30	28.3 - 32.3	52,800	22	18.4 - 25.2	7,000	2	1.5 - 2.8	1,800
Food secure	235,600	70	67.7 - 71.7	121,700	78	74.8 - 81.6	25,100	98	97.2 - 98.5	83,600
Health and Psychosocial Risk Indices										
Self-reported poor health	75,000	29	27.3 - 31.3	50,100	26	23.1 - 29.6	8,400	18	16.0 - 20.6	15,500
Psychosocial risk	88,000	36	33.8 - 38.0	62,400	35	30.9 - 38.2	11,100	16	14.1 - 18.7	13,900
Risky substance use	82,300	23	21.7 - 25.3	40,500	34	30.6 - 37.3	10,900	34	31.5 - 37.3	29,200
Dietary risk	268,600	97	96.5 - 97.9	162,700	95	91.8 - 97.3	29,600	87	84.6 - 88.7	71,600
Breastfeeding Intention										
Breastfeed exclusively	164,200	48	45.5 - 49.9	81,900	57	53.2 - 60.8	17,800	72	69.2 - 74.7	60,700
Any formula/not sure	128,200	52	50.1 - 54.5	89,700	43	39.2 - 46.8	13,400	28	25.3 - 30.8	23,700

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Adolescent (ages 15-19) Women according to WIC Status during Pregnancy
Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	38,300	89	87.3 - 91.3	34,100	10	8.1 - 11.9	3,800	--		
Socio-Demographic Factors										
Race/ethnicity (BC)										
White	4,900	11	8.8 - 13.2	3,700	30	21.2 - 38.1	1,100	--		
Hispanic US-born	21,800	58	53.5 - 63.4	19,800	47	37.8 - 57.1	1,700	--		
Hispanic foreign-born	7,100	20	15.3 - 24.1	6,700	11	5.8 - 15.4	400	--		
Asian/PI foreign-born	300	0 *	0.1 - 0.6	100	--			--		
Asian/PI US-born	500	1	0.6 - 1.5	400	3 *	0.5 - 5.3	100	--		
Black	3,300	9	6.5 - 11.4	3,000	6 *	1.3 - 9.9	200	--		
Other	200	0	0.2 - 0.7	200	--			--		
Language spoken at home										
English	29,400	77	72.3 - 81.6	26,000	79	71.2 - 86.0	3,000	-- †		
Spanish	7,700	21	16.4 - 25.6	7,100	16	9.4 - 21.7	600	--		
Asian or other	900	2	1.0 - 3.1	700	6 *	1.1 - 10.6	200	--		
Maternal education										
HS diploma (GED) or less	32,300	85	82.3 - 88.5	28,900	84	77.4 - 89.7	21,100	--		
Any college or more	5,600	15	11.5 - 17.7	4,900	16	10.3 - 22.6	600	--		
Parity (BC)										
First live birth	31,300	82	77.4 - 86.3	27,900	77	67.8 - 86.4	3,000	-- †		
Second live birth or more	7,100	18	13.7 - 22.6	6,200	23	13.6 - 32.2	900	--		
Marital status										
Married	3,900	10	7.6 - 12.4	3,400	12	6.4 - 17.2	400	--		
Not married	34,200	90	87.6 - 92.4	30,600	88	82.8 - 93.6	3,400	--		
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	21,600	61	56.1 - 65.7	20,500	30	22.7 - 37.7	1,100	--		
Private	6,800	15	12.0 - 18.8	5,200	36	25.7 - 45.5	1,300	--		
Uninsured	8,100	20	16.5 - 24.4	6,900	32	23.0 - 40.6	1,200	--		
Other	1,200	3	2.1 - 4.4	1,100	--			--		
Prenatal insurance (BC)										
Medi-Cal	30,600	83	80.2 - 86.0	28,400	58	48.3 - 67.9	2,200	--		
Private	5,700	13	10.3 - 15.4	4,400	26	16.7 - 35.7	1,000	--		
Uninsured	1,200	2	1.0 - 3.1	700	12	5.0 - 18.3	400	--		
Other	900	2	1.1 - 2.9	700	--			--		
CalFresh during pregnancy	10,700	29	24.9 - 33.5	9,900	20	13.4 - 26.9	800	--		
Financial Hardships during Pregnancy										
Any financial hardship	31,500	94	91.4 - 96.2	28,200	91	86.2 - 95.3	3,200	--		
Income as % of poverty										
0-100%	26,800	89	86.2 - 92.0	24,300	76	66.6 - 84.4	2,500	--		
>100%	4,000	11	8.0 - 13.8	3,000	24	15.6 - 33.4	800	-- †		
Hard to live on income	18,300	49	43.5 - 54.0	16,200	54	44.4 - 63.1	2,000	--		
Food insecurity										
Food insecure	9,800	26	21.5 - 30.6	8,900	25	16.2 - 34.6	1,000	--		
Food secure	28,400	74	69.4 - 78.5	25,100	75	65.4 - 83.8	2,900	-- †		
Health and Psychosocial Risk Indices										
Self-reported poor health	7,800	20	16.7 - 24.3	6,900	20	13.6 - 27.3	800	--		
Psychosocial risk	15,200	40	34.8 - 44.7	13,500	40	31.1 - 48.8	1,500	--		
Risky substance use	9,100	23	19.2 - 27.3	7,800	34	24.9 - 43.7	1,300	--		
Dietary risk	34,600	96	94.0 - 97.7	30,900	98 *	97.0 - 99.5	3,300	-- †		
Breastfeeding Intention										
Breastfeed exclusively	17,200	46	41.0 - 50.9	15,100	53	43.4 - 62.8	1,900	--		
Any formula/not sure	19,500	54	49.1 - 59.0	17,700	47	37.2 - 56.6	1,700	--		

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women with Income Above Poverty and At Least Some College Education according to WIC Status during Pregnancy
Maternal and Infant Health Assessment, 2010-2012

	Total	WIC Participant			Eligible Nonparticipant (Eligible via Medi-Cal or Income)			Ineligible		
	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total	213,900	21	19.2 - 22.1	44,100	9	8.1 - 10.1	19,400	70	68.7 - 71.9	150,300
Socio-Demographic Factors										
Race/ethnicity (BC)										
White	96,600	21	17.8 - 23.6	8,900	45	39.6 - 50.8	8,500	54	51.6 - 56.3	79,000
Hispanic US-born	40,400	38	33.2 - 41.9	16,200	20	15.4 - 24.5	3,800	14	12.3 - 15.5	20,400
Hispanic foreign-born	14,800	18	14.7 - 21.2	7,800	8	5.1 - 10.7	1,500	4	3.0 - 4.6	5,600
Asian/PI foreign-born	36,700	12	8.5 - 15.7	5,200	17	10.8 - 22.3	3,100	19	17.2 - 21.4	28,300
Asian/PI US-born	11,200	3	1.9 - 4.8	1,400	5	2.2 - 7.4	900	6	4.9 - 7.1	8,800
Black	8,400	8	5.8 - 9.7	3,300	5	3.2 - 6.7	900	3	2.4 - 3.2	4,100
Other	800	1 *	0.2 - 1.2	300	1 *	0.1 - 1.3	100	0	0.1 - 0.4	400
Language spoken at home										
English	171,300	73	69.4 - 77.5	32,200	81	75.9 - 86.4	15,600	83	80.8 - 84.8	123,300
Spanish	10,000	14	11.4 - 17.0	6,200	4	2.2 - 5.0	700	2	1.4 - 2.6	3,000
Asian or other	30,900	12	8.7 - 15.9	5,400	15	10.0 - 20.4	2,900	15	13.2 - 17.1	22,600
Maternal age (BC)										
15-24	21,600	28	24.2 - 31.3	12,200	19	15.1 - 22.3	3,600	4	3.1 - 4.6	5,800
25-34	135,900	58	54.1 - 62.5	25,700	63	57.1 - 68.3	12,200	65	62.9 - 67.4	97,900
35+	56,400	14	11.0 - 17.0	6,200	19	13.1 - 24.0	3,600	31	28.8 - 33.2	46,600
Parity (BC)										
First live birth	97,000	40	35.4 - 44.1	17,500	47	41.4 - 52.7	9,100	47	44.4 - 49.1	70,200
Second live birth or more	116,900	60	55.9 - 64.6	26,600	53	47.3 - 58.6	10,300	53	50.9 - 55.6	80,000
Marital status										
Married	177,300	61	56.4 - 65.0	26,600	70	65.4 - 74.4	13,600	91	89.9 - 92.4	136,900
Not married	36,300	39	35.0 - 43.6	17,200	30	25.6 - 34.6	5,800	9	7.6 - 10.1	13,200
Health Insurance Coverage and Program Participation										
Pre-pregnancy insurance										
Medi-Cal	9,200	15	11.9 - 17.4	6,500	9	6.4 - 11.7	1,800	1	0.3 - 1.0	1,000
Private	175,100	50	45.8 - 54.5	22,100	61	55.9 - 66.7	11,900	94	93.0 - 95.2	141,100
Uninsured	22,200	30	26.3 - 34.7	13,400	26	21.1 - 31.3	5,100	2	1.6 - 3.2	3,600
Other	7,000	5	3.3 - 6.0	2,100	3	2.1 - 4.8	700	3	2.2 - 3.5	4,300
Prenatal insurance (BC)										
Medi-Cal	26,700	44	39.8 - 48.4	19,400	38	33.0 - 42.1	7,300	--		
Private	173,900	48	44.1 - 52.7	21,300	52	46.7 - 57.7	10,100	95	93.9 - 95.7	142,400
Uninsured	4,000	1 *	0.5 - 2.4	700	6 *	1.3 - 10.2	1,100	2	1.0 - 2.0	2,300
Other	9,100	6	4.2 - 7.7	2,600	4	2.3 - 6.5	900	4	2.9 - 4.5	5,600
CalFresh during pregnancy	7,800	14	11.0 - 16.9	6,100	7 *	2.9 - 11.7	1,400	--		
Financial Hardships during Pregnancy										
Any financial hardship	68,700	62	57.9 - 66.6	27,300	53	47.3 - 58.5	10,200	21	19.1 - 22.8	31,200
Hard to live on income	54,500	51	46.7 - 55.4	22,400	47	41.7 - 53.1	9,200	15	13.6 - 16.9	22,800
Food insecurity										
Food insecure	13,300	19	15.3 - 22.1	8,200	12	8.2 - 16.2	2,400	2	1.3 - 2.2	2,700
Food secure	200,500	81	77.9 - 84.7	35,700	88	83.8 - 91.8	17,000	98	97.8 - 98.7	147,500
Health and Psychosocial Risk Indices										
Self-reported poor health	43,800	28	23.7 - 32.4	12,300	21	16.9 - 26.0	4,100	18	16.6 - 20.1	27,400
Psychosocial risk	41,700	28	24.1 - 31.8	12,200	27	22.3 - 32.5	5,300	16	14.4 - 17.9	24,100
Risky substance use	77,600	33	29.1 - 37.0	14,400	36	30.9 - 41.1	7,000	38	35.3 - 39.8	56,000
Dietary risk	179,500	95	93.0 - 96.7	40,800	92 *	87.7 - 97.0	17,500	85	83.1 - 86.5	121,200
Breastfeeding Intention										
Breastfeed exclusively	155,400	62	57.5 - 66.2	27,100	71	65.6 - 76.3	13,600	77	75.0 - 79.0	114,400
Any formula/not sure	56,500	38	33.8 - 42.5	16,800	29	23.7 - 34.4	5,600	23	21.0 - 25.0	34,200

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error and 95% CI are not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics are calculated out of women with each WIC status in the subgroup. The Subgroup Total percentages of WIC status are calculated out of women in the subgroup for whom WIC status could be identified. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. WIC participants had a prenatal record in the WIC MIS database. Ineligible women did not have Medi-Cal for prenatal care or delivery and had an income > 185% of the FPG. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of women reporting each reason for not participating in WIC for selected population subgroups

Characteristics of Women Reporting each Reason for not Enrolling in WIC among White Eligible Nonparticipants (ENPs)

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		18,900	35	30.6 - 39.6	6,100	42	37.4 - 47.4	7,400	14	10.2 - 18.5	2,500	10	7.6 - 13.1	1,800	9	6.7 - 11.5	1,600	12	9.1 - 14.9	2,100
Socio-Demographic Factors																				
Language spoken at home																				
English	94	17,600	96 *	92.6 - 98.7	5,800	94 *	88.4 - 98.8	6,900	91	85.5 - 95.7	2,300	--			--			--		
Spanish	--		--			--			--			--			--			--		
Asian or other	6	1,100	4 *	1.3 - 7.4	300	6 *	1.2 - 11.6	500	9	4.2 - 14.4	200	--			--			--		
Maternal age (BC)																				
15-24	34	6,500	33	26.2 - 39.6	2,000	25	18.7 - 30.4	1,800	36	21.5 - 49.5	900	55	41.3 - 68.6	1,000	55	42.9 - 67.9	900	34	22.0 - 45.7	700
25-34	52	9,900	56	48.9 - 63.0	3,400	59	51.4 - 67.5	4,400	50	33.8 - 66.3	1,300	32	21.2 - 42.0	600	35	23.8 - 46.1	600	58	45.8 - 70.2	1,200
35+	14	2,600	11	7.5 - 14.9	700	16	8.2 - 23.8	1,200	14 *	0.8 - 28.0	400	--			10	4.1 - 15.2	200	8	3.4 - 12.9	200
Maternal education																				
HS diploma (GED) or less	29	5,400	27	20.1 - 33.2	1,600	19	12.5 - 24.5	1,400	21	10.4 - 31.6	500	61	49.2 - 73.0	1,100	44	30.8 - 57.6	700	28	17.7 - 39.2	600
Any college or more	71	13,400	73	66.8 - 79.9	4,500	81	75.5 - 87.5	6,000	79	68.4 - 89.6	2,000	39	27.0 - 50.8	700	56	42.4 - 69.2	900	72	60.8 - 82.3	1,500
Parity (BC)																				
First live birth	48	9,100	46	38.5 - 53.0	2,800	53	45.4 - 60.9	3,900	75	64.7 - 85.2	1,900	32	20.0 - 44.3	600	39	26.2 - 52.8	600	34	22.3 - 45.8	700
Second live birth or more	52	9,700	54	47.0 - 61.5	3,300	47	39.1 - 54.6	3,500	25	14.8 - 35.3	600	68	55.7 - 80.0	1,200	61	47.2 - 73.8	1,000	66	54.2 - 77.7	1,400
Marital status																				
Married	56	10,500	59	51.5 - 65.8	3,600	57	49.7 - 65.3	4,200	66	52.4 - 78.9	1,600	37	22.4 - 51.0	700	44	30.0 - 57.0	700	62	50.3 - 74.1	1,300
Not married	44	8,300	41	34.2 - 48.5	2,500	43	34.7 - 50.3	3,100	34	21.1 - 47.6	900	63	49.0 - 77.6	1,100	56	43.0 - 70.0	900	38	25.9 - 49.7	800
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	19	3,600	11	7.5 - 15.3	700	13	9.3 - 16.9	1,000	10	4.3 - 15.1	200	44	29.9 - 57.8	800	36	23.1 - 49.4	600	19	11.9 - 26.4	400
Private	47	8,700	58	50.6 - 64.5	3,500	55	47.4 - 62.7	4,100	58	45.2 - 70.6	1,300	9 *	2.7 - 14.7	200	24	11.5 - 37.5	400	41	27.3 - 54.4	800
Uninsured	31	5,700	29	22.8 - 35.5	1,800	28	21.1 - 34.1	2,000	30	19.5 - 41.1	700	43	29.8 - 56.2	800	38	26.3 - 49.5	600	39	27.0 - 50.2	800
Other	3	600	2 *	0.6 - 3.2	100	4	1.8 - 6.6	300	--			--			--			--		
Prenatal insurance (BC)																				
Medi-Cal	49	9,100	44	37.0 - 50.5	2,700	44	36.4 - 50.9	3,200	42	27.9 - 57.0	1,100	76	63.3 - 87.7	1,400	64	49.1 - 77.9	1,000	54	40.5 - 66.6	1,100
Private	40	7,600	45	37.7 - 52.2	2,800	46	37.5 - 54.1	3,400	52	36.3 - 67.7	1,300	13 *	3.5 - 21.5	200	27	12.1 - 42.5	400	37	23.5 - 51.2	800
Uninsured	6	1,100	6 *	2.0 - 9.8	400	6 *	1.8 - 10.9	500	--			--			--			--		
Other	5	1,000	5 *	0.3 - 10.5	300	4 *	1.4 - 7.2	300	--			--			--			--		
CalFresh during pregnancy	21	3,900	13	8.5 - 17.7	800	10	6.8 - 13.4	700	16	7.6 - 23.9	400	61	48.5 - 73.4	1,100	33	20.9 - 44.8	500	22	13.7 - 30.0	500

Characteristics of Women Reporting each Reason for not Enrolling in WIC among White Eligible Nonparticipants (ENPs)

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	72	13,200	75	68.3 - 81.9	4,400	57	49.3 - 65.1	4,100	78 *	64.8 - 92.2	1,900	89 *	78.6 - 98.9	1,600	84 *	71.8 - 96.9	1,300	79	69.3 - 87.8	1,600
Income as % of poverty																				
0-100%	42	7,700	35	28.2 - 42.0	2,100	28	20.4 - 34.6	2,000	56	39.8 - 72.7	1,300	70	57.0 - 82.3	1,200	52	38.0 - 65.0	800	36	24.6 - 48.1	700
>100%	58	10,600	65	58.0 - 71.8	3,900	72	65.4 - 79.6	5,200	44	27.3 - 60.2	1,000	30	17.7 - 43.0	500	48	35.0 - 62.0	800	64	51.9 - 75.4	1,300
Hard to live on income	55	10,400	59	51.7 - 66.2	3,600	39	30.8 - 46.9	2,900	57	41.6 - 73.3	1,400	81	70.3 - 91.5	1,400	74	60.9 - 86.3	1,200	59	46.7 - 71.3	1,200
Food insecurity																				
Food insecure	17	3,200	25	18.6 - 31.3	1,500	6 *	2.3 - 9.5	400	14	6.8 - 21.5	400	43	29.9 - 56.1	800	30	19.1 - 40.9	500	15	6.7 - 23.4	300
Food secure	83	15,600	75	68.7 - 81.4	4,600	94 *	90.5 - 97.7	7,000	86	78.5 - 93.2	2,100	57	43.9 - 70.1	1,000	70	59.1 - 80.9	1,100	85	76.6 - 93.3	1,800
Health and Psychosocial Risk Indices																				
Self-reported poor health	18	3,300	19	14.2 - 24.2	1,200	13	9.5 - 17.2	1,000	14	6.5 - 22.2	300	33	19.0 - 47.7	600	23	11.9 - 33.1	400	13	6.2 - 18.9	300
Psychosocial risk	28	5,300	34	27.4 - 41.3	2,100	22	15.4 - 29.3	1,600	21	11.0 - 31.6	500	36	21.8 - 49.7	600	29	18.8 - 39.7	500	31	19.5 - 43.4	600
Risky substance use	54	10,200	57	49.9 - 63.8	3,500	49	41.4 - 57.5	3,600	45	28.9 - 60.5	1,100	67	55.3 - 78.7	1,200	74	63.6 - 83.8	1,200	44	31.9 - 56.6	900
Dietary risk	96	17,500	96	93.6 - 98.0	5,700	95	92.6 - 97.3	6,700	95 *	91.4 - 99.5	2,200	--			98 *	95.5 - 99.6	1,500	98 *	96.5 - 100	2,000
Breastfeeding Intention																				
Breastfeed exclusively	77	14,100	77	71.4 - 82.7	4,700	82	75.4 - 88.0	6,000	83	75.5 - 91.4	2,100	66	54.2 - 77.7	1,000	79	71.0 - 87.8	1,200	77	66.3 - 87.4	1,600
Any formula/not sure	23	4,200	23	17.3 - 28.6	1,400	18	12.0 - 24.6	1,300	17	8.6 - 24.5	400	34	22.3 - 45.8	500	21	12.2 - 29.0	300	23	12.6 - 33.7	500

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among US-born Hispanic Eligible Nonparticipants (ENPs)
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		12,100	45	38.1 - 52.5	4,400	29	23.0 - 35.2	2,800	11	5.8 - 15.3	1,000	21	14.6 - 26.6	2,000	12	7.6 - 17.2	1,200	8	5.2 - 10.9	800
Socio-Demographic Factors																				
Language spoken at home																				
English	91	11,000	96	93.3 - 97.9	4,200	93	88.4 - 96.7	2,600	74 *	52.1 - 95.1	800	--			--			--		
Spanish	9	1,100	4	2.1 - 6.7	200	7	3.2 - 11.5	200	--			--			--			--		
Asian or other	--		--			--			--			--			--			--		
Maternal age (BC)																				
15-24	44	5,300	28	19.5 - 36.0	1,200	43	31.1 - 54.7	1,200	45	22.8 - 68.0	500	36	22.4 - 49.8	700	45	25.6 - 64.7	500	42	24.3 - 59.3	300
25-34	49	6,000	62	51.1 - 72.2	2,700	49	37.0 - 61.0	1,400	39 *	13.5 - 64.7	400	55	38.9 - 70.4	1,100	55	35.1 - 74.2	700	48	30.5 - 65.7	400
35+	7	900	11 *	3.2 - 18.0	500	8 *	2.5 - 13.6	200	--			--			--			--		
Maternal education																				
HS diploma (GED) or less	46	5,600	33	22.2 - 44.6	1,500	34	24.2 - 43.4	900	35 *	13.9 - 56.5	400	54	38.2 - 70.7	1,100	65	48.0 - 81.9	800	36	18.7 - 53.1	300
Any college or more	54	6,500	67	55.4 - 77.8	2,900	66	56.6 - 75.8	1,900	65 *	43.5 - 86.1	700	46	29.3 - 61.8	900	35	18.1 - 52.0	400	64	46.9 - 81.3	500
Parity (BC)																				
First live birth	35	4,300	39	28.1 - 50.3	1,700	41	28.6 - 53.8	1,200	74 *	53.7 - 94.5	800	26	13.0 - 39.9	500	29	13.9 - 43.1	300	20 *	5.4 - 34.6	200
Second live birth or more	65	7,900	61	49.7 - 71.9	2,700	59	46.2 - 71.4	1,700	26 *	5.5 - 46.3	300	74	60.1 - 87.0	1,500	71	56.9 - 86.1	900	80 *	65.4 - 94.6	600
Marital status																				
Married	37	4,500	54	42.1 - 65.3	2,400	45	33.2 - 57.5	1,300	54	30.9 - 76.7	600	33	14.7 - 51.3	700	38 *	13.7 - 61.6	500	33	15.5 - 49.7	300
Not married	63	7,600	46	34.7 - 57.9	2,000	55	42.5 - 66.8	1,500	46	23.3 - 69.1	500	67	48.7 - 85.3	1,300	62 *	38.4 - 86.3	700	67	50.3 - 84.5	500
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	31	3,700	10	5.8 - 13.5	400	27	19.1 - 35.6	800	12 *	3.5 - 19.9	100	41	25.7 - 55.4	800	28	13.9 - 41.5	300	35	19.1 - 51.8	300
Private	44	5,300	65	55.4 - 74.9	2,800	48	35.9 - 60.5	1,400	69	51.3 - 86.2	700	35	16.4 - 53.6	700	47	25.8 - 69.0	600	33	15.3 - 50.9	300
Uninsured	23	2,700	23	14.9 - 30.5	1,000	23	16.0 - 30.9	700	19 *	5.9 - 32.0	200	23	11.4 - 34.6	500	23 *	8.7 - 36.3	300	31	15.9 - 47.0	200
Other	2 *	200	--			--			--			--			--			--		
Prenatal insurance (BC)																				
Medi-Cal	48	5,800	34	24.7 - 43.8	1,500	49	36.9 - 60.4	1,400	47	23.5 - 70.1	500	53	35.7 - 69.4	1,100	50	28.8 - 70.3	600	59	40.2 - 77.3	500
Private	41	5,000	58	46.9 - 68.6	2,500	46	33.0 - 58.4	1,300	--			41	23.0 - 58.7	800	46	24.3 - 68.1	600	35	16.3 - 53.4	300
Uninsured	8	1,000	5 *	1.0 - 8.9	200	5 *	0.6 - 8.6	100	--			--			--			--		
Other	2 *	300	--			--			--			--			--			--		
CalFresh during pregnancy	27	3,200	10	5.5 - 14.4	400	24	16.0 - 31.6	700	18 *	3.2 - 32.2	200	41	25.9 - 55.3	800	21	9.5 - 33.0	300	25	12.2 - 37.3	200

Characteristics of Women Reporting each Reason for not Enrolling in WIC among US-born Hispanic Eligible Nonparticipants (ENPs)
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	81	9,600	72	60.5 - 82.8	3,100	70	58.5 - 81.5	1,900	71 *	46.3 - 96.6	700	--			--			78 *	62.8 - 93.7	600
Income as % of poverty																				
0-100%	53	6,200	28	19.0 - 36.9	1,200	45	32.9 - 57.0	1,200	49	24.3 - 73.5	500	62	43.8 - 80.1	1,200	48	26.9 - 69.1	600	45	27.5 - 62.8	300
>100%	47	5,400	72	63.1 - 81.0	3,100	55	43.0 - 67.1	1,500	51	26.5 - 75.7	500	38	19.9 - 56.2	700	52	30.9 - 73.1	600	55	37.2 - 72.5	400
Hard to live on income	55	6,700	58	46.6 - 70.1	2,500	42	30.0 - 53.9	1,200	53	28.3 - 78.0	500	63	44.8 - 80.2	1,200	54	31.6 - 75.6	600	53	35.5 - 70.9	400
Food insecurity																				
Food insecure	24	2,900	25	12.1 - 37.0	1,100	3	1.1 - 3.9	100	32 *	9.8 - 53.2	300	28	16.2 - 39.7	600	19 *	7.9 - 30.5	200	14 *	1.1 - 27.5	100
Food secure	76	9,200	75	63.0 - 87.9	3,300	97	96.1 - 98.9	2,700	68 *	46.8 - 90.2	700	72	60.3 - 83.8	1,400	81 *	69.5 - 92.1	1,000	86 *	72.5 - 98.9	700
Health and Psychosocial Risk Indices																				
Self-reported poor health	27	3,300	25	16.1 - 34.1	1,100	28	15.2 - 41.8	800	14 *	1.5 - 26.1	100	24	12.8 - 34.5	500	28	12.5 - 42.6	300	36	18.6 - 53.0	300
Psychosocial risk	34	4,100	33	20.5 - 44.6	1,400	25	16.5 - 32.6	700	46	22.5 - 70.3	500	42	26.3 - 57.2	800	22	10.1 - 33.0	300	43	24.2 - 60.8	300
Risky substance use	37	4,500	35	25.1 - 45.8	1,500	40	28.9 - 50.4	1,100	26 *	9.3 - 42.9	300	39	24.3 - 54.6	800	30	14.2 - 45.1	400	41	24.3 - 57.0	300
Dietary risk	97 *	11,500	--			--			--			--			--			--		
Breastfeeding Intention																				
Breastfeed exclusively	56	6,600	66	55.3 - 75.7	2,800	60	47.8 - 71.7	1,700	72 *	51.3 - 93.1	700	61	45.7 - 75.4	1,200	61	42.4 - 79.0	700	55	37.0 - 72.4	400
Any formula/not sure	44	5,100	34	24.3 - 44.7	1,500	40	28.3 - 52.2	1,100	28 *	6.9 - 48.7	300	39	24.6 - 54.3	800	39	21.0 - 57.6	500	45	27.6 - 63.0	300

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Foreign-born Hispanic Eligible Nonparticipants (ENPs)

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		8,800	51	42.6 - 59.1	3,600	28	20.5 - 34.5	1,900	14	8.7 - 20.1	1,000	16	11.0 - 22.0	1,200	13 *	5.5 - 21.4	1,000	7 *	2.4 - 11.2	500
Socio-Demographic Factors																				
Language spoken at home																				
English	28	2,400	40	26.7 - 52.8	1,400	35	21.3 - 47.7	700	17 *	5.4 - 28.1	200	24	11.6 - 35.8	300	15 *	3.6 - 26.7	100	27 *	6.8 - 47.1	100
Spanish	70	6,200	58	44.9 - 71.2	2,100	64	51.0 - 77.5	1,200	82 *	70.6 - 93.9	800	76	64.0 - 88.2	900	85 *	73.3 - 96.4	800	73 *	52.3 - 93.0	400
Asian or other	2 *	200	--			--			--			--			--			--		
Maternal age (BC)																				
15-24	23	2,000	12	6.6 - 18.0	400	22	10.9 - 33.4	400	33 *	10.5 - 55.0	300	24	11.6 - 35.5	300	7 *	1.1 - 12.7	100	19 *	2.4 - 34.6	100
25-34	55	4,800	65	53.7 - 77.1	2,300	55	41.2 - 69.8	1,100	47	26.1 - 68.8	500	51	33.1 - 68.2	600	75 *	53.8 - 96.6	700	71 *	48.5 - 92.9	300
35+	23	2,000	22	11.9 - 32.7	800	22	10.2 - 34.6	400	20 *	6.4 - 33.2	200	26 *	10.3 - 41.4	300	--			--		
Maternal education																				
HS diploma (GED) or less	69	6,100	65	53.1 - 77.5	2,300	52	37.3 - 66.3	1,000	69 *	50.3 - 88.3	700	81	71.1 - 90.3	900	92 *	85.2 - 98.8	900	79 *	62.3 - 95.3	400
Any college or more	31	2,700	35	22.5 - 46.9	1,200	48	33.7 - 62.7	900	31 *	11.7 - 49.7	300	19	9.7 - 28.9	200	8 *	1.2 - 14.8	100	21 *	4.7 - 37.7	100
Parity (BC)																				
First live birth	27	2,400	24	13.6 - 33.8	900	37	22.2 - 52.0	700	56	35.4 - 77.4	600	24	11.8 - 36.1	300	--			49 *	15.7 - 83.2	200
Second live birth or more	73	6,400	76	66.2 - 86.4	2,700	63	48.0 - 77.8	1,200	44	22.6 - 64.6	400	76	63.9 - 88.2	900	--			51 *	16.8 - 84.3	200
Marital status																				
Married	52	4,600	57	43.1 - 70.6	2,000	58	43.3 - 72.7	1,100	48	26.6 - 69.4	500	60	44.0 - 75.1	700	29 *	5.8 - 52.4	300	34 *	9.1 - 58.0	200
Not married	48	4,200	43	29.4 - 56.9	1,600	42	27.3 - 56.7	800	52	30.6 - 73.4	500	40	24.9 - 56.0	500	71 *	47.6 - 94.2	700	66 *	42.0 - 90.9	300
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	19	1,700	9	4.5 - 13.1	300	22	11.8 - 32.7	400	6 *	2.1 - 9.2	100	25	10.5 - 39.6	300	12 *	2.6 - 21.4	100	23 *	4.8 - 40.9	100
Private	34	3,000	53	39.5 - 66.8	1,900	36	21.0 - 51.0	700	32 *	11.7 - 51.8	300	24 *	2.9 - 46.0	300	--			--		
Uninsured	44	3,900	37	23.4 - 50.7	1,300	39	24.9 - 53.6	700	62	41.6 - 82.4	600	50	32.3 - 67.7	600	76 *	54.3 - 97.3	700	71 *	48.6 - 92.6	300
Other	2 *	200	--			2 *	0.5 - 4.4	<100	--			--			--			--		
Prenatal insurance (BC)																				
Medi-Cal	55	4,900	40	26.6 - 52.5	1,400	57	41.4 - 72.5	1,100	29	14.1 - 43.6	300	59	38.9 - 78.6	700	--			56 *	19.1 - 92.3	300
Private	34	3,000	53	39.0 - 66.1	1,900	31	16.3 - 46.3	600	42	20.9 - 63.5	400	35 *	13.3 - 55.9	400	--			--		
Uninsured	9	800	--			--			--			--			--			--		
Other	--		--			--			--			--			--			--		
CalFresh during pregnancy	11	1,000	4 *	0.9 - 6.5	100	7	3.2 - 11.7	100	--			12	5.5 - 19.2	100	8 *	0.5 - 16.2	100	--		

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Foreign-born Hispanic Eligible Nonparticipants (ENPs)
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	84	7,100	77	66.8 - 87.5	2,700	80	69.4 - 90.0	1,400	--			89 *	82.1 - 95.8	1,000	93 *	85.8 - 99.6	900	--		
Income as % of poverty																				
0-100%	62	5,000	43	28.4 - 57.5	1,500	57	41.5 - 72.4	1,000	74 *	56.9 - 91.3	600	72	59.5 - 84.5	800	74 *	51.3 - 97.6	700	81 *	65.1 - 97.5	400
>100%	38	3,000	57	42.5 - 71.6	1,900	43	27.6 - 58.5	700	26 *	8.7 - 43.1	200	28	15.5 - 40.5	300	26 *	2.4 - 48.7	200	19 *	2.5 - 34.9	100
Hard to live on income	51	4,400	59	46.4 - 72.2	2,100	28	15.7 - 40.4	500	38	19.1 - 57.0	400	66	52.2 - 79.8	800	65 *	35.8 - 94.5	600	30 *	6.5 - 53.3	100
Food insecurity																				
Food insecure	22	1,900	18 *	4.2 - 32.0	600	7 *	1.7 - 12.5	100	23 *	7.6 - 38.6	200	16	7.8 - 23.3	200	39 *	3.0 - 75.5	400	16 *	1.6 - 29.5	100
Food secure	78	6,900	82 *	68.0 - 95.8	2,900	93 *	87.5 - 98.3	1,800	77 *	61.4 - 92.4	800	84	76.7 - 92.2	1,000	61 *	24.5 - 97.0	600	84 *	70.5 - 98.4	400
Health and Psychosocial Risk Indices																				
Self-reported poor health	22	1,900	27	15.0 - 38.1	900	17 *	5.7 - 28.1	300	17 *	4.8 - 28.8	200	24	12.4 - 36.3	300	13 *	2.9 - 23.4	100	23 *	4.7 - 41.8	100
Psychosocial risk	35	3,100	33	19.0 - 47.4	1,200	25	13.4 - 36.7	500	35	16.0 - 54.7	400	22	11.1 - 32.3	300	44 *	9.5 - 79.2	400	22 *	3.9 - 39.8	100
Risky substance use	18	1,600	18	7.8 - 28.7	700	26	14.2 - 36.9	500	23 *	4.4 - 41.6	200	26 *	5.5 - 46.5	300	6 *	0.9 - 12.1	100	19 *	2.1 - 36.4	100
Dietary risk	97	8,200	98 *	96.5 - 99.5	3,500	95 *	91.6 - 98.8	1,800	--			--			--			--		
Breastfeeding Intention																				
Breastfeed exclusively	50	4,300	55	42.1 - 68.9	2,000	52	37.3 - 66.9	1,000	48	26.2 - 69.2	500	42	25.1 - 58.5	500	51 *	17.1 - 84.6	500	30 *	8.3 - 52.1	100
Any formula/not sure	50	4,400	45	31.1 - 57.9	1,600	48	33.1 - 62.7	900	52	30.8 - 73.8	500	58	41.5 - 74.9	700	49 *	15.4 - 82.9	500	70 *	47.9 - 91.7	300

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Foreign-born Asian/Pacific Islander Eligible Nonparticipants (ENPs)
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		5,700	**46**	32.8 - 59.2	1,900	**25**	15.5 - 35.4	1,100	**36**	23.5 - 48.5	1,500	**4** *	1.4 - 6.3	200	**4** *	1.4 - 6.5	200	**5** *	1.3 - 9.7	200
Socio-Demographic Factors																				
Language spoken at home																				
English	**37**	2,000	**46**	22.5 - 70.0	800	**42**	19.3 - 65.5	400	**18** *	4.7 - 31.5	300	--			--			--		
Spanish	--		--			--			--			--			--			--		
Asian or other	**63**	3,300	**54**	30.0 - 77.5	1,000	**58**	34.5 - 80.7	600	**82** *	68.5 - 95.3	1,200	--			**63** *	31.7 - 95.0	100	**34** *	5.3 - 63.6	100
Maternal age (BC)																				
15-24	**11**	600	**6** *	0.7 - 11.2	100	**8** *	1.0 - 15.5	100	--			--			--			--		
25-34	**66**	3,700	**77**	64.5 - 90.2	1,500	**77**	64.0 - 89.5	800	**75** *	56.9 - 92.7	1,100	--			**84** *	69.9 - 97.4	100	**47** *	9.7 - 83.6	100
35+	**24**	1,300	**17** *	5.6 - 27.8	300	**15** *	5.4 - 24.7	200	**19** *	2.3 - 36.0	300	--			--			--		
Maternal education																				
HS diploma (GED) or less	**22**	1,300	**22** *	4.1 - 40.7	400	**29** *	4.6 - 53.7	300	**14** *	3.0 - 24.7	200	--			--			--		
Any college or more	**78**	4,400	**78** *	59.3 - 95.9	1,500	**71** *	46.3 - 95.4	800	**86** *	75.3 - 97.0	1,300	**71** *	43.9 - 98.9	100	**87** *	74.5 - 99.7	100	**53** *	13.4 - 92.9	100
Parity (BC)																				
First live birth	**49**	2,800	**62**	44.0 - 79.8	1,200	**57**	38.3 - 76.6	600	**65** *	43.3 - 86.5	1,000	--			**59** *	29.1 - 89.3	100	**21** *	0.5 - 41.1	<100
Second live birth or more	**51**	2,900	**38**	20.2 - 56.0	700	**43**	23.4 - 61.7	500	**35** *	13.5 - 56.7	500	**69** *	40.7 - 97.3	100	**41** *	10.7 - 70.9	100	**79** *	58.9 - 99.5	200
Marital status																				
Married	**86**	4,800	**93**	88.4 - 96.9	1,700	**88** *	80.3 - 95.9	900	**91** *	82.1 - 99.2	1,400	--			**51** *	20.0 - 81.1	100	**53** *	13.0 - 92.1	100
Not married	**14**	800	**7**	3.1 - 11.6	100	**12** *	4.1 - 19.7	100	**9** *	0.8 - 17.9	100	**39** *	11.2 - 66.6	100	**49** *	18.9 - 80.0	100	--		
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	**23**	1,300	**5** *	1.4 - 7.8	100	**15** *	4.7 - 25.4	200	**14** *	2.0 - 25.1	200	--			--			**51** *	11.0 - 90.8	100
Private	**43**	2,400	**61**	41.9 - 79.3	1,200	**51**	30.3 - 71.9	500	**49**	26.7 - 70.4	700	--			--			--		
Uninsured	**31**	1,800	**29**	13.1 - 44.9	600	**31**	13.9 - 48.6	300	**32** *	12.6 - 51.7	500	--			--			--		
Other	**3** *	200	--			--			--			--			--			--		
Prenatal insurance (BC)																				
Medi-Cal	**38**	2,200	**36**	18.8 - 52.6	700	**49**	28.7 - 70.2	500	**26**	12.8 - 38.2	400	**48** *	18.2 - 77.0	100	**53** *	21.8 - 84.7	100	--		
Private	**48**	2,700	**59**	40.6 - 77.7	1,100	**42**	19.0 - 64.7	400	**58**	38.1 - 78.3	900	--			--			--		
Uninsured	--		--			--			--			--			--			--		
Other	--		--			--			--			--			--			--		
CalFresh during pregnancy	**20** *	1,100	--			--			--			--			--			--		

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Foreign-born Asian/Pacific Islander Eligible Nonparticipants (ENPs)
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	62	3,400	38	20.4 - 55.5	700	38	19.4 - 56.7	400	66 *	44.7 - 86.9	1,000	--			--			--		
Income as % of poverty																				
0-100%	27	1,500	17	6.8 - 26.2	300	24 *	9.4 - 38.0	200	26 *	7.8 - 45.1	400	--			32 *	5.9 - 57.2	100	65 *	30.0 - 99.3	100
>100%	73	3,900	83	73.8 - 93.2	1,600	76 *	62.0 - 90.6	700	74 *	54.9 - 92.2	1,100	78 *	58.7 - 96.6	100	68 *	42.8 - 94.1	100	35 *	0.7 - 70.0	100
Hard to live on income	48	2,700	28	14.0 - 42.4	500	13 *	5.0 - 21.5	100	58	36.8 - 79.1	900	--			49 *	17.8 - 79.3	100	66 *	33.1 - 98.5	100
Food insecurity																				
Food insecure	11	600	10 *	2.2 - 17.1	200	--			9 *	1.7 - 16.7	100	--			--			--		
Food secure	89	5,000	90 *	82.9 - 97.8	1,700	--			91 *	83.3 - 98.3	1,400	70 *	41.9 - 98.0	100	--			56 *	15.0 - 97.2	100
Health and Psychosocial Risk Indices																				
Self-reported poor health	34	1,900	17 *	1.0 - 33.9	300	51	29.7 - 72.6	500	34 *	11.1 - 57.9	500	--			--			20 *	1.2 - 38.6	<100
Psychosocial risk	35	1,900	21 *	8.1 - 34.7	400	26 *	9.6 - 41.6	300	39	17.3 - 61.0	600	--			--			56 *	19.3 - 91.8	100
Risky substance use	12	700	--			35 *	10.1 - 59.5	300	--			--			--			--		
Dietary risk	--		98 *	96.6 - 99.7	1,800	--			--			--			--			--		
Breastfeeding Intention																				
Breastfeed exclusively	57	3,200	62	44.2 - 80.8	1,200	75	62.1 - 88.7	800	65	45.7 - 84.9	1,000	--			--			--		
Any formula/not sure	43	2,400	38	19.2 - 55.8	700	25	11.3 - 37.9	300	35	15.1 - 54.3	500	63 *	33.0 - 92.4	100	38 *	10.2 - 65.1	100	--		

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Black Eligible Nonparticipants (ENPs)

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		4,000	29	19.6 - 38.9	900	37	25.4 - 47.6	1,200	8 *	3.1 - 13.2	300	23	13.9 - 31.9	700	8	4.0 - 12.7	300	9	3.8 - 13.6	300
Socio-Demographic Factors																				
Language spoken at home																				
English	94 *	3,700	93 *	86.9 - 98.9	800	96 *	92.2 - 99.8	1,100	--			--			100 †		200	--		
Spanish	--		--			--			--			--			--			--		
Asian or other	6 *	200	--			--			--			--			--			--		
Maternal age (BC)																				
15-24	38	1,500	21 *	8.1 - 34.9	200	57	38.2 - 75.0	700	20 *	3.1 - 36.8	100	34 *	11.3 - 56.7	200	37 *	14.3 - 59.4	100	52 *	24.0 - 80.3	100
25-34	47	1,900	43	25.0 - 60.8	400	35	18.9 - 51.0	400	72 *	51.1 - 92.9	200	55	32.9 - 77.9	400	57	33.2 - 81.0	200	45 *	17.7 - 72.8	100
35+	16	600	36 *	13.8 - 57.5	300	8 *	2.1 - 14.8	100	--			--			--			--		
Maternal education																				
HS diploma (GED) or less	31	1,200	13 *	5.1 - 20.5	100	33	17.5 - 47.8	400	--			31	14.7 - 46.4	200	34 *	12.7 - 55.9	100	57 *	30.0 - 83.4	200
Any college or more	69	2,700	87 *	79.5 - 94.9	800	67	52.2 - 82.5	800	89 *	79.0 - 99.5	200	69	53.6 - 85.3	500	66 *	44.1 - 87.3	200	43 *	16.6 - 70.0	100
Parity (BC)																				
First live birth	31	1,200	32	16.5 - 47.0	300	26 *	7.7 - 43.3	300	82 *	67.3 - 97.5	200	30 *	6.1 - 53.5	200	51	25.1 - 76.0	100	--		
Second live birth or more	69	2,700	68	53.0 - 83.5	600	74 *	56.7 - 92.3	900	--			70 *	46.5 - 93.9	500	49	24.0 - 74.9	100	75 *	51.1 - 98.0	200
Marital status																				
Married	25	1,000	44	25.1 - 62.3	400	26	12.9 - 39.9	300	--			26 *	7.3 - 44.5	200	--			23 *	3.3 - 41.7	100
Not married	75	3,000	56	37.7 - 74.9	500	74	60.1 - 87.1	800	67 *	38.0 - 95.3	200	74 *	55.5 - 92.7	500	--			77 *	58.3 - 96.7	200
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	45	1,800	15	6.7 - 23.3	100	39	22.0 - 56.8	500	--			64 *	40.6 - 87.4	500	48	22.3 - 72.8	100	71 *	48.8 - 93.0	200
Private	23	900	40	22.7 - 57.5	400	25	12.6 - 38.0	300	17 *	2.5 - 30.5	<100	--			--			--		
Uninsured	29	1,200	39	16.9 - 60.4	400	33 *	8.6 - 57.6	400	64 *	38.8 - 88.9	200	--			--			--		
Other	3 *	100	--			--			--			--			--			--		
Prenatal insurance (BC)																				
Medi-Cal	74	2,900	62	45.2 - 79.1	600	73	58.7 - 86.6	800	--			91 *	83.8 - 99.2	700	--			--		
Private	17	700	27	11.9 - 41.9	200	26	12.2 - 39.3	300	--			--			--			--		
Uninsured	4 *	200	--			--			--			--			--			--		
Other	5 *	200	--			--			--			--			--			--		
CalFresh during pregnancy	58	2,300	24 *	1.2 - 47.4	200	49	28.4 - 70.2	600	--			79	67.4 - 91.4	600	44	18.8 - 68.3	100	68 *	45.8 - 91.0	200

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Black Eligible Nonparticipants (ENPs)

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	86	3,400	72	58.2 - 86.7	700	77 *	59.0 - 95.4	900	--			--			--			--		
Income as % of poverty																				
0-100%	71	2,700	39	16.6 - 60.9	300	69 *	50.2 - 88.4	800	78 *	58.1 - 97.8	200	81 *	64.3 - 97.0	600	--			75 *	52.5 - 96.5	200
>100%	29	1,100	61	39.1 - 83.4	500	31 *	11.6 - 49.8	300	--			--			--			--		
Hard to live on income	61	2,400	60	42.0 - 77.1	500	53	32.3 - 73.0	600	52 *	19.1 - 85.6	100	86 *	74.3 - 96.9	600	67 *	44.7 - 90.2	200	50	21.3 - 78.8	100
Food insecurity																				
Food insecure	18	700	26	10.9 - 40.3	200	6 *	1.4 - 10.0	100	--			31 *	12.2 - 50.4	200	45	18.8 - 71.5	100	--		
Food secure	82	3,200	74	59.7 - 89.1	700	94 *	90.0 - 98.6	1,100	--			69 *	49.6 - 87.8	500	55	28.5 - 81.2	100	--		
Health and Psychosocial Risk Indices																				
Self-reported poor health	28	1,100	16 *	6.2 - 25.3	100	16 *	6.3 - 25.1	200	--			36	16.3 - 56.5	300	--			18 *	3.3 - 33.6	<100
Psychosocial risk	34	1,300	26	11.9 - 39.4	200	25	12.0 - 37.8	300	23 *	4.6 - 40.4	100	48	26.5 - 68.9	300	55	29.3 - 79.8	100	33 *	10.6 - 54.6	100
Risky substance use	42	1,600	42	21.6 - 63.1	400	32 *	13.0 - 51.0	400	--			56	35.4 - 76.1	400	42	17.5 - 65.6	100	40 *	13.7 - 66.6	100
Dietary risk	98 *	3,800	--			97 *	94.6 - 99.8	1,100	--			100 †		700	100 †		300	--		
Breastfeeding Intention																				
Breastfeed exclusively	59	2,300	70	55.8 - 84.2	600	72	59.0 - 85.5	800	58 *	27.1 - 88.9	100	59	38.2 - 78.9	400	53	27.5 - 78.9	100	32 *	9.9 - 55.0	100
Any formula/not sure	41	1,500	30	15.8 - 44.2	300	28	14.5 - 41.0	300	42 *	11.1 - 72.9	100	41	21.1 - 61.8	300	47	21.1 - 72.5	100	68 *	45.0 - 90.1	200

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among US-born Asian/Pacific Islander Eligible Nonparticipants (ENPs)
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		1,900	**50**	32.1 - 67.0	800	**21**	10.5 - 31.6	300	**18**	7.6 - 29.0	300	**13** *	5.3 - 21.6	200	**6** *	0.8 - 10.5	100	**3** *	0.2 - 5.2	<100
Socio-Demographic Factors																				
Language spoken at home																				
English	86 *	1,600	--			96 *	91.3 - 99.8	300	--			--			--			--		
Spanish	--		--			--			--			--			--			--		
Asian or other	14 *	300	--			--			--			--			--			--		
Maternal age (BC)																				
15-24	35	700	21 *	2.0 - 39.4	200	30 *	8.8 - 51.1	100	--			44 *	15.8 - 73.1	100	--			--		
25-34	56	1,100	72 *	49.3 - 93.9	500	55	31.8 - 78.4	200	--			50	21.2 - 79.1	100	--			--		
35+	9 *	200	--			--			--			--			--			--		
Maternal education																				
HS diploma (GED) or less	32	600	--			38 *	15.3 - 61.3	100	--			--			--			--		
Any college or more	68	1,300	--			62 *	38.7 - 84.7	200	--			58 *	29.0 - 87.0	100	--			--		
Parity (BC)																				
First live birth	35	700	45 *	13.2 - 76.9	300	38 *	14.7 - 61.6	100	62 *	32.4 - 91.3	200	--			--			--		
Second live birth or more	65	1,200	55 *	23.1 - 86.8	400	62 *	38.4 - 85.3	200	--			67 *	40.3 - 93.7	100	--			--		
Marital status																				
Married	47	900	60 *	30.5 - 89.0	400	56	32.2 - 78.9	200	--			--			--			--		
Not married	53	1,000	40 *	11.0 - 69.5	300	44	21.1 - 67.8	100	--			73 *	48.9 - 97.4	100	100 †		100	--		
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	44	800	--			47	23.2 - 71.3	200	--			73 *	49.3 - 97.7	200	--			--		
Private	27	500	23 *	3.9 - 42.6	200	37 *	13.9 - 60.9	100	--			--			--			--		
Uninsured	28	500	37 *	3.3 - 70.1	300	12 *	1.8 - 23.1	<100	--			--			--			--		
Other	--		--			--			--			--			--			--		
Prenatal insurance (BC)																				
Medi-Cal	55	1,100	33 *	9.5 - 55.8	200	65 *	41.0 - 89.6	200	59 *	29.2 - 89.1	200	68 *	41.1 - 95.7	100	--			100 †		<100
Private	37	700	62 *	35.9 - 87.8	500	--			--			--			--			--		
Uninsured	--		--			--			--			--			--			--		
Other	--		--			--			--			--			--			--		
CalFresh during pregnancy	18	300	--			21 *	4.6 - 38.3	100	--			62 *	34.5 - 89.8	100	--			--		

Characteristics of Women Reporting each Reason for not Enrolling in WIC among US-born Asian/Pacific Islander Eligible Nonparticipants (ENPs)
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	82	1,500	--			61 *	36.3 - 86.0	200	--			--			--			100 †		<100
Income as % of poverty																				
0-100%	39	700	25 *	3.2 - 47.3	200	39 *	12.9 - 64.1	100	--			--			--			--		
>100%	61	1,100	75 *	52.7 - 96.8	500	61 *	35.9 - 87.1	100	--			--			--			--		
Hard to live on income	67	1,200	78 *	59.6 - 95.7	600	33 *	12.1 - 54.1	100	--			63 *	35.2 - 90.4	100	--			--		
Food insecurity																				
Food insecure	19 *	400	37 *	3.5 - 70.8	300	--			--			--			--			--		
Food secure	81 *	1,500	63 *	29.2 - 96.5	500	--			--			--			--			--		
Health and Psychosocial Risk Indices																				
Self-reported poor health	29	500	--			42	18.7 - 65.0	100	--			--			--			--		
Psychosocial risk	37	700	44 *	11.9 - 76.4	300	24 *	6.0 - 41.2	100	--			--			--			--		
Risky substance use	41	800	--			64 *	42.3 - 85.9	200	--			--			--			--		
Dietary risk	85 *	1,600	--			--			--			100 †		200	--			--		
Breastfeeding Intention																				
Breastfeed exclusively	63	1,200	78 *	59.0 - 96.7	600	76 *	54.0 - 97.3	200	--			47 *	17.9 - 75.4	100	--			--		
Any formula/not sure	37	700	22 *	3.3 - 41.0	200	24 *	2.7 - 46.0	100	--			53 *	24.6 - 82.1	100	--			--		

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among American Indian/Alaska Native Eligible Nonparticipants (ENPs)
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		1,100	**38**	23.6 - 51.8	300	**33**	18.3 - 46.7	300	**14** *	2.2 - 26.2	100	**14**	5.8 - 21.2	100	**11**	5.1 - 17.3	100	**16** *	6.4 - 25.2	100
Socio-Demographic Factors																				
Language spoken at home																				
English	**100** †	1,100	**100** †		300	**100** †		300	**100** †		100	**100** †		100	**100** †		100	**100** †		100
Spanish	--																			
Asian or other	--																			
Maternal age (BC)																				
15-24	**35**	400	--			**23** *	6.4 - 39.4	100	--			**61** *	35.2 - 87.3	100	--			--		
25-34	**58**	600	**88** *	78.4 - 98.0	300	**60** *	32.4 - 86.9	200	--			--			--			--		
35+	--		--			--			--			--			--			--		
Maternal education																				
HS diploma (GED) or less	**47**	500	**35** *	14.2 - 56.6	100	**31** *	11.3 - 51.1	100	--			--			--			--		
Any college or more	**53**	600	**65** *	43.4 - 85.8	200	**69** *	48.9 - 88.7	200	--			--			--			--		
Parity (BC)																				
First live birth	**41**	400	**44**	20.1 - 68.1	100	**38** *	14.6 - 61.3	100	--			--			--			--		
Second live birth or more	**59**	600	**56**	31.9 - 79.9	200	**62** *	38.7 - 85.4	200	--			--			**70** *	47.6 - 91.9	100	**67** *	35.4 - 98.7	100
Marital status																				
Married	**34**	400	**43**	19.1 - 66.4	100	**42** *	12.7 - 71.1	100	--			--			--			--		
Not married	**66**	700	**57**	33.6 - 80.9	200	**58** *	28.9 - 87.3	200	--			**66** *	40.6 - 91.3	100	--			**62** *	31.0 - 93.8	100
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	**35**	400	--			**41** *	13.2 - 68.9	100	--			**47** *	19.2 - 75.2	100	--			--		
Private	**26**	300	**42**	18.0 - 65.8	100	--			--			--			--			--		
Uninsured	**31**	300	**22** *	7.5 - 36.7	100	**30** *	9.4 - 50.1	100	--			--			--			--		
Other	**7** *	100	--			--			--			--			--			--		
Prenatal insurance (BC)																				
Medi-Cal	**61**	700	**34**	14.0 - 53.3	100	--			**100** †		100	**62** *	35.9 - 87.7	100	**71** *	47.8 - 93.3	100	--		
Private	**26**	300	**54**	31.3 - 77.0	200	--			--			--			--			--		
Uninsured	--		--			--			--			--			--			--		
Other	--		--			--			--			--			--			--		
CalFresh during pregnancy	**43**	500	--			--			--			**59** *	32.6 - 85.7	100	--			--		

Characteristics of Women Reporting each Reason for not Enrolling in WIC among American Indian/Alaska Native Eligible Nonparticipants (ENPs)

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	82 *	800	--			67 *	36.5 - 96.6	200	--			--			--			--		
Income as % of poverty																				
0-100%	63	600	46	21.1 - 70.7	100	61 *	31.5 - 91.4	200	--			77 *	56.0 - 97.1	100	61 *	33.6 - 87.8	100	--		
>100%	37	400	54	29.3 - 78.9	200	39 *	8.6 - 68.5	100	--			--			--			--		
Hard to live on income	58	600	76 *	58.4 - 92.8	200	51	23.2 - 78.2	100	--			66 *	41.5 - 91.3	100	--			--		
Food insecurity																				
Food insecure	28	300	50	25.7 - 73.4	200	--			--			61 *	34.9 - 87.2	100	--			--		
Food secure	72	800	50	26.6 - 74.3	200	--			--			--			72 *	48.4 - 96.3	100	--		
Health and Psychosocial Risk Indices																				
Self-reported poor health	36	400	35 *	13.3 - 56.5	100	43 *	15.2 - 71.7	100	--			--			--			--		
Psychosocial risk	37	400	74 *	57.9 - 89.5	200	28 *	2.3 - 53.0	100	--			51	22.1 - 79.7	100	58 *	31.4 - 83.6	100	--		
Risky substance use	58	600	74 *	56.5 - 90.5	200	45 *	17.6 - 71.5	100	--			72 *	49.2 - 94.4	100	--			--		
Dietary risk	--		--			--			--			100 †		100	100 †		100	--		
Breastfeeding Intention																				
Breastfeed exclusively	72	800	79 *	63.0 - 95.2	300	77 *	53.8 - 99.4	200	--			--			74 *	48.3 - 99.1	100	--		
Any formula/not sure	28	300	--			--			--			--			--			--		

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) with Medi-Cal for Prenatal Care
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		27,400	33	29.7 - 36.2	7,400	35	31.6 - 37.7	7,700	13	10.6 - 14.8	2,800	18	15.8 - 21.1	4,100	13	9.9 - 15.5	2,800	11	9.5 - 13.1	2,500
Socio-Demographic Factors																				
Race/ethnicity (BC)																				
White	35	9,100	37	31.7 - 43.1	2,700	43	38.4 - 48.4	3,200	41	32.2 - 50.5	1,100	34	25.7 - 41.9	1,400	37	26.6 - 46.6	1,000	48	40.0 - 56.3	1,100
Hispanic US-born	22	5,800	21	16.2 - 25.9	1,500	18	15.3 - 21.6	1,400	19	10.0 - 27.5	500	26	18.9 - 33.3	1,100	23	14.6 - 30.5	600	20	13.2 - 26.3	500
Hispanic foreign-born	18	4,900	20	13.2 - 26.5	1,400	15	11.5 - 18.3	1,100	11	6.6 - 16.3	300	17	12.7 - 21.2	700	25 *	9.8 - 40.4	700	12	7.4 - 15.7	300
Asian/PI foreign-born	8	2,200	10	6.2 - 13.0	700	7	4.7 - 9.5	500	15	9.8 - 20.2	400	2 *	0.5 - 3.3	100	3 *	1.1 - 5.6	100	6 *	2.3 - 9.2	100
Asian/PI US-born	4	1,100	3	1.4 - 5.4	200	3	1.3 - 4.3	200	6 *	2.0 - 10.8	200	3 *	1.1 - 5.9	100	2 *	0.3 - 4.4	100	2 *	0.2 - 3.3	<100
Black	11	2,900	8	3.9 - 12.2	600	11	6.1 - 16.5	800	7	3.2 - 10.7	200	16	9.7 - 23.1	700	9	3.8 - 13.7	200	10	4.2 - 16.1	200
Other	1	300	--			2 *	0.4 - 3.7	200	--			--			--			--		
Language spoken at home																				
English	75	20,400	75	68.4 - 82.1	5,400	80	76.0 - 83.7	6,200	68	60.8 - 75.9	1,900	84	79.1 - 88.1	3,400	73	58.3 - 87.7	2,000	83	76.2 - 89.1	2,000
Spanish	16	4,200	15	8.4 - 21.7	1,100	11	7.9 - 13.3	800	13	7.5 - 18.2	400	14	9.7 - 18.2	600	24 *	8.6 - 38.9	700	7	3.7 - 10.6	200
Asian or other	9	2,400	10	6.1 - 13.4	700	10	6.6 - 12.6	700	19	13.0 - 24.6	500	2 *	1.0 - 3.9	100	3	1.4 - 4.9	100	10	4.5 - 15.9	300
Maternal age (BC)																				
15-24	37	10,100	29	23.8 - 33.8	2,100	34	28.9 - 39.5	2,600	40	30.8 - 48.7	1,100	42	33.7 - 49.5	1,700	38	27.4 - 47.9	1,100	32	24.2 - 40.5	800
25-34	49	13,400	56	49.7 - 62.0	4,100	50	45.0 - 55.1	3,900	42	33.7 - 50.3	1,200	44	36.6 - 51.8	1,800	50	38.0 - 62.2	1,400	55	46.8 - 64.0	1,400
35+	14	4,000	15	10.5 - 20.2	1,100	16	11.8 - 19.7	1,200	18	10.3 - 26.1	500	14	6.1 - 22.3	600	12 *	3.6 - 21.0	300	12	5.3 - 19.2	300
Maternal education																				
HS diploma (GED) or less	46	12,500	39	31.9 - 45.2	2,800	32	28.2 - 36.8	2,500	38	28.7 - 46.4	1,100	57	48.7 - 64.6	2,300	63	53.3 - 73.2	1,800	39	31.2 - 47.8	1,000
Any college or more	54	14,800	61	54.8 - 68.1	4,500	68	63.2 - 71.8	5,200	62	53.6 - 71.3	1,800	43	35.4 - 51.3	1,800	37	26.8 - 46.7	1,000	61	52.2 - 68.8	1,500
Parity (BC)																				
First live birth	36	9,800	39	33.5 - 45.0	2,900	39	33.7 - 43.6	3,000	64	55.4 - 72.7	1,800	28	20.7 - 34.8	1,100	33	23.3 - 42.1	900	27	19.2 - 34.0	700
Second live birth or more	64	17,600	61	55.0 - 66.5	4,500	61	56.4 - 66.3	4,700	36	27.3 - 44.6	1,000	72	65.2 - 79.3	3,000	67	57.9 - 76.7	1,900	73	66.0 - 80.8	1,900
Marital status																				
Married	41	11,100	49	43.1 - 55.8	3,600	46	41.4 - 51.4	3,600	48	39.1 - 56.8	1,400	33	25.2 - 41.5	1,400	26	17.7 - 33.4	700	45	36.7 - 53.5	1,100
Not married	59	16,200	51	44.2 - 56.9	3,700	54	48.6 - 58.6	4,100	52	43.2 - 60.9	1,500	67	58.5 - 74.8	2,800	74	66.6 - 82.3	2,100	55	46.5 - 63.3	1,400
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	38	10,300	18	14.4 - 22.1	1,300	33	28.0 - 37.2	2,500	20	13.8 - 25.7	600	50	41.7 - 57.8	2,100	36	24.9 - 46.3	1,000	40	31.6 - 47.9	1,000
Private	16	4,400	23	18.5 - 27.8	1,700	21	17.1 - 24.5	1,600	29	19.8 - 38.7	800	9 *	2.9 - 14.1	400	11	6.4 - 16.1	300	11 *	4.3 - 18.0	300
Uninsured	44	11,900	56	50.2 - 62.3	4,100	44	38.7 - 49.1	3,400	50	41.2 - 59.2	1,400	39	31.7 - 46.8	1,600	51	38.9 - 63.0	1,400	49	40.1 - 56.9	1,200
Other	2	600	2 *	0.8 - 3.8	200	3	1.4 - 4.0	200	--			--			--			--		
CalFresh during pregnancy	34	9,300	16	10.9 - 20.3	1,100	25	19.5 - 29.5	1,900	24	16.3 - 31.2	700	57	49.8 - 65.1	2,400	33	22.2 - 43.2	900	33	25.4 - 40.5	800

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) with Medi-Cal for Prenatal Care
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	81	21,300	78	73.1 - 82.1	5,500	65	59.9 - 70.3	4,700	82	76.1 - 88.2	2,200	94	90.8 - 96.4	3,800	94	91.0 - 97.2	2,600	82	75.7 - 88.4	1,900
Income as % of poverty																				
0-100%	61	15,100	47	39.8 - 53.4	3,100	43	37.9 - 48.8	3,000	55	45.5 - 64.5	1,300	75	68.4 - 82.4	3,000	73	64.3 - 81.3	2,000	55	47.5 - 63.4	1,200
>100%	39	9,800	53	46.6 - 60.2	3,600	57	51.2 - 62.1	3,900	45	35.5 - 54.5	1,100	25	17.6 - 31.6	1,000	27	18.7 - 35.7	700	45	36.6 - 52.5	1,000
Hard to live on income	58	15,600	59	53.4 - 65.1	4,300	40	35.0 - 45.2	3,000	61	52.0 - 69.0	1,700	74	68.4 - 80.3	3,100	72	63.3 - 80.4	2,000	54	46.2 - 62.5	1,300
Food insecurity																				
Food insecure	20	5,600	23	16.6 - 30.2	1,700	5	3.2 - 6.7	400	22	15.4 - 28.8	600	35	27.7 - 42.3	1,400	43	29.7 - 56.1	1,200	12	8.1 - 16.4	300
Food secure	80	21,800	77	69.8 - 83.4	5,600	95	93.3 - 96.8	7,400	78	71.2 - 84.6	2,200	65	57.7 - 72.3	2,700	57	43.9 - 70.3	1,600	88	83.6 - 91.9	2,200
Health and Psychosocial Risk Indices																				
Self-reported poor health	25	6,800	19	14.9 - 23.0	1,400	20	16.7 - 23.8	1,500	22	15.1 - 29.1	600	35	26.9 - 43.1	1,400	29	18.8 - 39.4	800	23	16.5 - 28.7	600
Psychosocial risk	36	9,700	38	30.9 - 44.6	2,800	25	20.7 - 28.8	1,900	33	24.4 - 41.9	900	45	37.3 - 53.6	1,900	44	31.1 - 57.3	1,200	35	25.9 - 43.3	900
Risky substance use	39	10,600	36	30.6 - 42.1	2,700	45	40.2 - 50.5	3,400	36	27.6 - 43.5	1,000	46	37.6 - 53.9	1,900	41	29.9 - 52.5	1,200	42	34.5 - 50.4	1,100
Dietary risk	96	25,300	95	93.6 - 97.3	6,900	95	93.3 - 96.9	7,100	93	88.3 - 96.9	2,400	--			97 *	95.0 - 99.1	2,700	96	93.2 - 98.2	2,300
Breastfeeding Intention																				
Breastfeed exclusively	62	16,300	67	61.8 - 72.9	4,900	69	64.7 - 73.5	5,200	70	62.0 - 77.1	1,900	57	49.9 - 64.7	2,200	68	58.4 - 77.0	1,900	64	55.8 - 72.4	1,600
Any formula/not sure	38	10,100	33	27.1 - 38.2	2,400	31	26.5 - 35.3	2,300	30	22.9 - 38.0	800	43	35.3 - 50.1	1,600	32	23.0 - 41.6	900	36	27.6 - 44.2	900

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) with Private Insurance for Prenatal Care

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		20,400	**50**	43.8 - 56.6	9,200	**36**	29.5 - 41.6	6,500	**18**	12.7 - 23.2	3,300	**9**	5.2 - 12.4	1,600	**7**	3.6 - 9.7	1,200	**7**	4.1 - 9.4	1,200
Socio-Demographic Factors																				
Race/ethnicity (BC)																				
White	**38**	7,600	**30**	23.4 - 37.4	2,800	**55**	44.6 - 65.7	3,400	**42**	25.0 - 59.4	1,300	**14** *	3.1 - 25.1	200	**34** *	12.7 - 55.8	400	**63**	45.0 - 81.6	800
Hispanic US-born	**25**	5,000	**28**	19.4 - 36.7	2,500	**21**	12.1 - 29.9	1,300	--			**51**	29.5 - 72.3	800	**46**	21.2 - 70.1	600	**22** *	7.2 - 37.0	300
Hispanic foreign-born	**15**	3,000	**21**	13.7 - 28.0	1,900	**10** *	4.0 - 15.9	600	**14** *	4.7 - 23.2	400	**25** *	5.7 - 44.5	400	--			--		
Asian/PI foreign-born	**14**	2,700	**13** *	4.8 - 20.4	1,100	**7** *	1.2 - 13.3	400	**28**	13.0 - 43.9	900	--			--			--		
Asian/PI US-born	**4** *	700	**5** *	0.5 - 9.8	500	--			--			--			--			--		
Black	**4**	700	**3** *	1.1 - 4.4	200	**5**	2.3 - 7.4	300	--			--			--			--		
Other	--		--			--			--			--			--			--		
Language spoken at home																				
English	**80**	16,100	**83**	77.5 - 89.0	7,600	**88**	80.5 - 94.9	5,700	**61**	44.7 - 77.0	2,000	**75** *	55.9 - 94.3	1,200	**84** *	68.1 - 99.2	1,000	--		
Spanish	**10**	2,000	**10**	5.5 - 15.0	900	**6** *	1.6 - 10.6	400	**14** *	4.3 - 22.8	400	--			--			--		
Asian or other	**10**	2,000	**6**	3.0 - 10.0	600	**6** *	0.3 - 12.1	400	**26**	10.8 - 40.5	800	--			--			--		
Maternal age (BC)																				
15-24	**22**	4,500	**19**	13.4 - 23.9	1,700	**20**	12.5 - 27.6	1,300	**15** *	6.2 - 24.5	500	**25**	10.9 - 39.3	400	**40**	17.4 - 61.9	500	**43**	22.9 - 62.4	500
25-34	**62**	12,700	**66**	58.9 - 73.9	6,100	**64**	53.3 - 73.9	4,100	**68**	54.4 - 82.5	2,300	**64**	45.9 - 82.2	1,000	**52**	28.3 - 75.7	600	**47**	27.0 - 67.4	600
35+	**15**	3,100	**15**	9.3 - 20.6	1,400	**16**	7.2 - 25.6	1,100	**16** *	4.7 - 27.7	500	--			--			--		
Maternal education																				
HS diploma (GED) or less	**30**	6,000	**31**	22.3 - 38.9	2,800	**19**	10.5 - 27.0	1,200	**14**	5.6 - 21.5	400	**60**	40.3 - 79.4	1,000	**53**	30.4 - 76.6	700	**29** *	11.3 - 46.9	400
Any college or more	**70**	14,300	**69**	61.1 - 77.7	6,400	**81**	73.0 - 89.5	5,300	**86**	78.5 - 94.4	2,800	**40**	20.6 - 59.7	600	**47**	23.4 - 69.6	600	**71** *	53.1 - 88.7	900
Parity (BC)																				
First live birth	**44**	8,900	**39**	29.9 - 47.6	3,600	**53**	42.9 - 63.4	3,500	**71**	56.6 - 85.4	2,300	**24** *	7.5 - 39.5	400	**25** *	6.5 - 42.8	300	**35**	17.1 - 53.7	400
Second live birth or more	**56**	11,500	**61**	52.4 - 70.1	5,600	**47**	36.6 - 57.1	3,100	**29**	14.6 - 43.4	1,000	**76** *	60.5 - 92.5	1,200	**75** *	57.2 - 93.5	900	**65**	46.3 - 82.9	800
Marital status																				
Married	**66**	13,400	**71**	63.3 - 77.7	6,500	**65**	55.7 - 75.3	4,300	**83**	74.4 - 92.2	2,700	**60**	40.4 - 79.4	1,000	**66**	46.8 - 84.5	800	**60**	41.1 - 79.9	700
Not married	**34**	6,900	**29**	22.3 - 36.7	2,700	**35**	24.7 - 44.3	2,300	**17**	7.8 - 25.6	500	**40**	20.6 - 59.6	600	**34**	15.5 - 53.2	400	**40**	20.1 - 58.9	500
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	**11**	2,300	**5** *	1.8 - 8.2	500	**9** *	3.2 - 14.9	600	--			**24** *	8.3 - 40.5	400	**22** *	5.3 - 37.8	300	--		
Private	**77**	15,500	**84**	77.8 - 90.1	7,700	**81**	72.6 - 88.9	5,300	**75**	61.5 - 88.9	2,300	**61**	41.7 - 80.7	1,000	**73** *	55.9 - 91.0	900	**73** *	55.2 - 90.0	900
Uninsured	**10**	2,100	**9**	3.9 - 14.6	900	**9** *	2.8 - 15.4	600	--			--			--			--		
Other	**1**	200	**2** *	0.4 - 3.2	200	--			--			--			--			--		
CalFresh during pregnancy	**7**	1,500	**3** *	0.9 - 5.5	300	**7**	3.2 - 9.9	400	--			**15** *	4.3 - 25.2	200	--			--		

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) with Private Insurance for Prenatal Care

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	70	14,100	66	56.6 - 74.8	5,900	63	53.0 - 72.9	4,000	70	54.9 - 85.5	2,300	--			57	31.5 - 82.1	700	84 *	72.6 - 94.5	1,000
Income as % of poverty																				
0-100%	33	6,700	21	14.6 - 27.0	1,900	34	24.1 - 43.8	2,200	43	26.1 - 59.9	1,400	51	29.3 - 72.2	800	17 *	4.9 - 29.5	200	30 *	11.2 - 48.0	400
>100%	67	13,600	79	73.0 - 85.4	7,300	66	56.2 - 75.9	4,300	57	40.1 - 73.9	1,900	49	27.8 - 70.7	800	83 *	70.5 - 95.1	1,000	70 *	52.0 - 88.8	900
Hard to live on income	51	10,400	54	45.2 - 63.3	5,000	36	25.9 - 46.8	2,400	45	28.8 - 62.1	1,500	63 *	40.5 - 84.9	1,000	52	27.4 - 75.9	600	67	49.4 - 85.1	800
Food insecurity																				
Food insecure	16	3,200	22	13.6 - 29.6	2,000	4 *	1.3 - 7.2	300	--			20 *	7.1 - 31.9	300	--			26 *	8.7 - 42.9	300
Food secure	84	17,000	78	70.4 - 86.4	7,200	96 *	92.8 - 98.7	6,200	93 *	87.4 - 98.6	3,000	80 *	68.1 - 92.9	1,300	89 *	79.1 - 98.4	1,100	74 *	57.1 - 91.3	900
Health and Psychosocial Risk Indices																				
Self-reported poor health	23	4,600	24	16.4 - 30.8	2,100	23	13.5 - 31.8	1,500	18 *	3.9 - 32.8	600	15 *	4.4 - 26.5	200	--			15 *	2.7 - 26.6	200
Psychosocial risk	29	5,800	28	19.4 - 36.1	2,600	21	13.1 - 29.5	1,400	29	14.7 - 43.3	1,000	15 *	2.8 - 26.4	200	15 *	4.2 - 25.3	200	46	26.1 - 65.9	600
Risky substance use	36	7,200	37	29.0 - 45.6	3,400	38	27.7 - 48.3	2,500	25	11.8 - 38.7	800	50	28.3 - 71.1	800	47	23.2 - 70.3	600	36	17.0 - 54.3	400
Dietary risk	96	18,900	95 *	90.8 - 99.4	8,500	93 *	87.7 - 98.4	5,800	--			100 †		1,600	100 †		1,200	--		
Breastfeeding Intention																				
Breastfeed exclusively	71	14,200	71	63.5 - 77.9	6,500	77	67.9 - 85.6	5,000	78	67.1 - 88.9	2,600	60	40.0 - 80.7	1,000	74 *	56.1 - 92.1	900	67	48.0 - 85.4	800
Any formula/not sure	29	5,800	29	22.1 - 36.5	2,700	23	14.4 - 32.1	1,500	22	11.1 - 32.9	700	40	19.3 - 60.0	600	26 *	7.9 - 43.9	300	33	14.6 - 52.0	400

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) with CalFresh During Pregnancy

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		12,500	**19**	14.3 - 23.8	1,700	**28**	22.5 - 32.8	2,400	**9**	5.8 - 11.9	800	**33**	27.4 - 38.8	2,900	**14**	9.7 - 17.6	1,200	**12**	8.8 - 15.4	1,100
Socio-Demographic Factors																				
Race/ethnicity (BC)																				
White	32	3,900	48	34.4 - 61.8	800	32	22.7 - 41.4	700	52	33.9 - 69.6	400	39	27.8 - 49.7	1,100	50	36.9 - 63.4	500	45	31.0 - 58.7	500
Hispanic US-born	27	3,200	26	15.8 - 36.9	400	29	20.2 - 37.4	700	24 *	7.4 - 40.8	200	29	19.7 - 37.5	800	24	13.9 - 34.9	300	19	9.6 - 28.4	200
Hispanic foreign-born	8	1,000	8 *	2.1 - 13.9	100	6	2.8 - 9.6	100	--			5	2.5 - 7.7	100	8 *	2.1 - 13.1	100	--		
Asian/PI foreign-born	9 *	1,100	--			--			--			--			--			--		
Asian/PI US-born	3	300	--			3 *	0.5 - 5.4	100	--			4 *	1.1 - 7.8	100	--			--		
Black	19	2,300	--			24	11.5 - 37.2	600	--			20	11.0 - 29.4	600	11 *	3.8 - 18.3	100	18 *	6.0 - 30.6	200
Other	2 *	200	--			--			--			--			--			--		
Language spoken at home																				
English	85	10,500	92 *	86.3 - 97.9	1,500	92	87.7 - 95.8	2,200	79 *	63.4 - 94.6	600	94 *	89.8 - 97.7	2,700	93 *	87.4 - 97.9	1,100	95 *	89.9 - 99.2	1,000
Spanish	8	1,000	4 *	1.0 - 6.3	100	5 *	1.8 - 8.0	100	--			5 *	1.5 - 9.2	200	5 *	0.3 - 9.5	100	--		
Asian or other	7 *	900	--			3 *	0.9 - 5.9	100	12 *	1.6 - 22.6	100	--			--			--		
Maternal age (BC)																				
15-24	41	5,100	32	20.7 - 42.9	500	37	26.0 - 49.0	900	64	48.4 - 80.1	500	45	34.8 - 55.9	1,300	55	38.8 - 70.6	700	41	26.7 - 56.0	400
25-34	44	5,500	52	37.9 - 65.6	900	48	37.0 - 58.0	1,100	32	16.2 - 47.2	200	42	32.0 - 51.7	1,200	27	16.1 - 37.3	300	53	38.7 - 67.1	600
35+	15	1,900	16 *	1.8 - 31.2	300	15	7.6 - 22.4	400	--			13 *	3.0 - 22.7	400	19 *	0.7 - 36.5	200	6 *	1.7 - 9.8	100
Maternal education																				
HS diploma (GED) or less	53	6,600	38	25.7 - 50.7	600	45	34.4 - 54.8	1,100	55	38.0 - 72.8	400	59	48.3 - 68.7	1,700	65	51.7 - 78.2	800	53	38.8 - 66.3	600
Any college or more	47	5,900	62	49.3 - 74.3	1,000	55	45.2 - 65.6	1,300	45	27.2 - 62.0	300	41	31.3 - 51.7	1,200	35	21.8 - 48.3	400	47	33.7 - 61.2	500
Parity (BC)																				
First live birth	20	2,500	22	13.1 - 30.1	400	13	8.2 - 17.7	300	70	54.4 - 86.1	500	19	9.6 - 27.9	500	24	11.6 - 36.2	300	17	8.2 - 26.6	200
Second live birth or more	80	9,900	78	69.9 - 86.9	1,300	87	82.3 - 91.8	2,100	30	13.9 - 45.6	200	81	72.1 - 90.4	2,300	76	63.8 - 88.4	900	83	73.4 - 91.8	900
Marital status																				
Married	29	3,600	37	24.1 - 50.1	600	27	18.4 - 34.9	600	34	17.9 - 49.8	300	25	14.4 - 34.9	700	14	6.8 - 21.4	200	31	18.7 - 43.3	300
Not married	71	8,900	63	49.9 - 75.9	1,000	73	65.1 - 81.6	1,800	66	50.2 - 82.1	500	75	65.1 - 85.6	2,200	86	78.6 - 93.2	1,000	69	56.7 - 81.3	700
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	63	7,800	50	35.7 - 63.4	800	67	55.0 - 78.8	1,600	30	14.5 - 44.5	200	67	56.5 - 76.5	1,900	72	61.3 - 83.4	900	67	54.4 - 78.8	700
Private	8	900	17	7.5 - 26.4	300	8	3.9 - 11.9	200	--			7 *	2.0 - 11.1	200	--			2 *	0.6 - 4.1	<100
Uninsured	28	3,500	33	18.4 - 48.3	500	24	11.9 - 37.0	600	58	40.8 - 75.3	400	26	16.5 - 35.7	800	22	12.1 - 31.1	300	31	19.1 - 43.1	300
Other	1 *	100	--			--			--			--			--			--		
Prenatal insurance (BC)																				
Medi-Cal	75	9,300	70	56.6 - 82.5	1,100	79	70.7 - 87.5	1,900	--			82	73.7 - 90.6	2,400	84 *	73.6 - 93.4	900	79 *	63.9 - 94.0	800
Private	12	1,500	18 *	6.4 - 29.1	300	18	9.6 - 25.9	400	--			8 *	2.8 - 13.5	200	--			--		
Uninsured	11 *	1,300	11 *	3.0 - 19.7	200	2 *	0.5 - 4.3	100	--			7 *	0.5 - 13.7	200	--			--		
Other	2 *	300	--			--			--			--			--			--		

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) with CalFresh During Pregnancy
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	97	11,800	--			95	92.2 - 97.7	2,200	--			--			--			98 *	95.8 - 99.6	1,000
Income as % of poverty																				
0-100%	84	9,900	81	70.1 - 92.2	1,300	90	86.0 - 93.9	2,000	83 *	73.3 - 93.3	500	85	76.9 - 92.9	2,400	89 *	81.3 - 97.2	1,000	87	81.0 - 93.8	900
>100%	16	1,900	19	7.8 - 29.9	300	10	6.1 - 14.0	200	17 *	6.7 - 26.7	100	15	7.1 - 23.1	400	11 *	2.8 - 18.7	100	13	6.2 - 19.0	100
Hard to live on income	76	9,400	83	75.5 - 91.0	1,400	74	67.0 - 81.6	1,800	73	57.6 - 88.1	600	84	76.4 - 90.8	2,400	82	73.4 - 90.8	1,000	74	61.1 - 86.2	800
Food insecurity																				
Food insecure	28	3,400	38	24.7 - 51.5	600	10	5.0 - 15.4	200	34	15.9 - 51.2	300	39	29.3 - 48.9	1,100	43	27.0 - 59.8	500	29	14.8 - 43.6	300
Food secure	72	9,000	62	48.5 - 75.3	1,000	90	84.6 - 95.0	2,200	66	48.8 - 84.1	500	61	51.1 - 70.7	1,800	57	40.2 - 73.0	700	71	56.4 - 85.2	700
Health and Psychosocial Risk Indices																				
Self-reported poor health	32	3,900	25	15.4 - 35.3	400	24	16.1 - 31.5	600	18 *	5.3 - 30.4	100	38	27.3 - 48.9	1,100	47	30.1 - 63.1	500	23	13.3 - 32.8	200
Psychosocial risk	45	5,500	53	39.2 - 67.0	900	41	30.8 - 51.3	1,000	32	15.6 - 49.4	200	49	38.3 - 59.5	1,400	53	37.0 - 68.4	600	38	23.6 - 51.5	400
Risky substance use	47	5,800	60	47.1 - 72.8	1,000	51	40.2 - 62.4	1,200	41	23.9 - 58.3	300	56	46.2 - 66.4	1,600	57	42.1 - 71.4	700	51	36.8 - 65.0	500
Dietary risk	--		--			98 *	95.5 - 99.5	2,300	--			--			98 *	96.1 - 99.9	1,100	--		
Breastfeeding Intention																				
Breastfeed exclusively	53	6,200	62	49.3 - 75.6	1,000	63	53.9 - 72.9	1,400	62	44.5 - 79.2	500	55	45.1 - 64.8	1,400	63	49.6 - 77.0	700	52	37.1 - 66.0	500
Any formula/not sure	47	5,600	38	24.4 - 50.7	600	37	27.1 - 46.1	800	38	20.8 - 55.5	300	45	35.2 - 54.9	1,200	37	23.0 - 50.4	400	48	34.0 - 62.9	500

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) with Food Insecurity During Pregnancy
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		10,100	**50**	42.0 - 57.8	4,100	**10**	5.9 - 13.3	800	**14**	9.6 - 18.6	1,100	**23**	17.9 - 28.2	1,900	**17**	10.6 - 24.3	1,400	**8**	5.0 - 11.8	700
Socio-Demographic Factors																				
Race/ethnicity (BC)																				
White	33	3,200	38	26.5 - 50.1	1,500	59	40.5 - 76.7	400	32	18.1 - 46.7	400	42	30.6 - 52.5	800	37	18.9 - 55.4	500	49	27.9 - 70.6	300
Hispanic US-born	30	2,900	27	13.5 - 40.8	1,100	10 *	3.7 - 15.3	100	30 *	11.4 - 48.4	300	30	20.0 - 39.8	600	18 *	6.9 - 29.1	200	17 *	1.4 - 33.5	100
Hispanic foreign-born	19	1,900	16 *	3.4 - 28.9	600	19 *	5.1 - 32.1	100	22 *	8.1 - 35.4	200	10	5.5 - 13.9	200	--			12 *	2.8 - 20.7	100
Asian/PI foreign-born	6	600	5 *	1.2 - 8.1	200	--			13 *	3.3 - 22.3	100	--			--			--		
Asian/PI US-born	4 *	400	--			--			--			--			--			--		
Black	7	700	6 *	2.2 - 9.7	200	9 *	2.3 - 15.4	100	--			12 *	4.4 - 19.8	200	9 *	0.9 - 17.8	100	--		
Other	1 *	100	--			--			--			--			--			--		
Language spoken at home																				
English	78	7,800	85 *	72.5 - 96.7	3,300	90 *	82.7 - 96.6	700	57	39.8 - 74.9	600	91	86.8 - 94.3	1,700	--			92 *	85.9 - 98.3	600
Spanish	18	1,800	--			8 *	1.5 - 13.9	100	34	15.8 - 52.9	400	7	4.2 - 10.8	100	--			--		
Asian or other	4	400	4 *	1.0 - 6.0	100	--			8 *	2.5 - 14.1	100	2 *	0.4 - 3.6	<100	--			--		
Maternal age (BC)																				
15-24	35	3,600	21	13.1 - 29.4	900	34 *	14.0 - 54.2	300	41	25.4 - 57.2	500	48	37.3 - 59.1	900	34	17.4 - 51.4	500	35 *	13.4 - 56.7	200
25-34	51	5,200	66	55.4 - 77.1	2,700	59	39.1 - 78.6	500	48	31.3 - 64.2	500	42	31.3 - 52.0	800	48	25.3 - 70.4	700	53	32.5 - 73.5	400
35+	13	1,300	12	5.4 - 19.6	500	--			11 *	2.1 - 19.9	100	10 *	3.4 - 16.9	200	18 *	1.0 - 34.5	300	12 *	2.7 - 21.3	100
Maternal education																				
HS diploma (GED) or less	50	5,100	30	17.7 - 43.2	1,200	34	18.1 - 49.8	300	59	44.1 - 74.1	700	61	50.9 - 71.3	1,100	67	50.5 - 83.1	900	49	28.9 - 69.6	300
Any college or more	50	5,000	70	56.8 - 82.3	2,800	66	50.2 - 81.9	500	41	25.9 - 55.9	500	39	28.7 - 49.1	700	33	16.9 - 49.5	500	51	30.4 - 71.1	300
Parity (BC)																				
First live birth	31	3,100	35	23.3 - 47.5	1,400	48	27.6 - 67.5	400	62	46.6 - 78.1	700	23	14.2 - 31.4	400	22	9.9 - 34.9	300	9 *	2.1 - 16.0	100
Second live birth or more	69	7,000	65	52.5 - 76.7	2,600	52	32.5 - 72.4	400	38	21.9 - 53.4	400	77	68.6 - 85.8	1,400	78	65.1 - 90.1	1,100	91 *	84.0 - 97.9	600
Marital status																				
Married	37	3,700	48	34.4 - 61.3	1,900	36	18.2 - 53.1	300	33	16.8 - 50.0	400	24	15.0 - 33.5	500	17 *	6.7 - 27.7	200	52	32.4 - 72.6	400
Not married	63	6,400	52	38.7 - 65.6	2,100	64	46.9 - 81.8	500	67	50.0 - 83.2	800	76	66.5 - 85.0	1,400	83 *	72.3 - 93.3	1,200	48	27.4 - 67.6	300
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	29	2,900	13	6.7 - 18.4	500	21	8.8 - 33.6	200	14 *	5.9 - 22.8	200	55	44.0 - 65.2	1,000	43	22.6 - 64.0	600	34 *	14.0 - 54.7	200
Private	31	3,200	49	35.3 - 62.3	2,000	47	26.9 - 67.3	400	34	16.5 - 52.1	400	9	4.0 - 14.9	200	10 *	2.5 - 16.8	100	--		
Uninsured	38	3,800	36	22.7 - 49.2	1,400	32	15.9 - 47.1	200	47	30.9 - 63.7	500	33	23.6 - 43.4	600	47	24.2 - 69.7	700	46	25.3 - 66.3	300
Other	2 *	200	--			--			--			--			--			--		
Prenatal insurance (BC)																				
Medi-Cal	55	5,600	43	29.8 - 55.5	1,700	49	29.7 - 68.2	400	55	37.8 - 71.9	600	77	67.7 - 86.6	1,400	87 *	77.6 - 96.3	1,200	45	26.2 - 64.0	300
Private	32	3,200	49	35.6 - 62.5	2,000	36	16.5 - 54.5	300	--			17	7.8 - 25.7	300	--			47	25.6 - 67.6	300
Uninsured	10	1,000	6 *	0.7 - 11.9	300	--			--			4 *	0.9 - 6.2	100	--			--		
Other	3 *	300	--			--			--			--			--			--		
CalFresh during pregnancy	34	3,400	16	8.5 - 22.9	600	31	15.7 - 47.2	200	23 *	9.0 - 36.3	300	60	49.9 - 70.7	1,100	36	16.9 - 56.0	500	45	24.7 - 65.4	300

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) with Food Insecurity During Pregnancy
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	100 †	10,100	100 †		4,100	100 †		800	100 †		1,100	100 †		1,900	100 †		1,400	100 †		700
Income as % of poverty																				
0-100%	66	6,400	44	30.3 - 56.7	1,700	61	39.6 - 82.7	400	66	50.7 - 81.4	700	76	66.6 - 86.1	1,400	83 *	72.0 - 93.9	1,100	65	45.8 - 84.4	400
>100%	34	3,300	56	43.3 - 69.7	2,200	39	17.3 - 60.4	300	34	18.6 - 49.3	300	24	13.9 - 33.4	400	17 *	6.1 - 28.0	200	35	15.6 - 54.2	200
Hard to live on income	87	8,700	89 *	81.8 - 96.6	3,600	82 *	65.8 - 97.6	600	80 *	62.6 - 97.3	900	91	85.8 - 95.8	1,700	91 *	84.5 - 97.9	1,300	97 *	93.7 - 99.4	700
Health and Psychosocial Risk Indices																				
Self-reported poor health	27	2,600	16	8.5 - 23.2	600	20	8.6 - 31.6	200	30	15.8 - 44.0	300	36	25.9 - 47.0	700	26 *	8.0 - 44.2	400	35	17.3 - 53.4	200
Psychosocial risk	60	6,000	63	51.4 - 74.7	2,500	56	36.7 - 75.0	400	58	42.7 - 73.5	700	55	44.6 - 66.3	1,000	71	55.6 - 85.4	1,000	56	35.5 - 75.6	400
Risky substance use	47	4,700	48	35.0 - 61.6	2,000	73	59.1 - 86.3	600	34	19.8 - 48.2	400	54	43.3 - 64.8	1,000	50	27.8 - 72.1	700	50	29.8 - 70.3	300
Dietary risk	97 *	9,600	98 *	96.2 - 99.5	3,900	--			--			--			--			--		
Breastfeeding Intention																				
Breastfeed exclusively	61	5,800	72	63.1 - 81.7	2,900	72	56.6 - 87.6	500	61	43.5 - 77.9	700	53	42.1 - 64.1	900	71	56.2 - 86.4	1,000	40	21.7 - 57.7	300
Any formula/not sure	39	3,800	28	18.3 - 36.9	1,100	28	12.4 - 43.4	200	39	22.1 - 56.5	400	47	35.9 - 57.9	800	29	13.6 - 43.8	400	60	42.3 - 78.3	400

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) who were First-time Moms

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		21,300	39	33.8 - 44.3	7,400	38	32.6 - 43.3	7,200	25	20.3 - 30.1	4,800	9	6.7 - 11.7	1,800	8	5.6 - 10.5	1,500	7	4.5 - 9.2	1,300
Socio-Demographic Factors																				
Race/ethnicity (BC)																				
White	44	9,100	39	30.8 - 46.8	2,800	57	47.7 - 66.2	3,900	41	28.8 - 53.2	1,900	33	20.8 - 45.8	600	42	26.7 - 57.5	600	57	38.2 - 75.9	700
Hispanic US-born	21	4,300	24	16.8 - 30.8	1,700	17	9.8 - 23.9	1,200	17	8.0 - 25.2	800	30	16.8 - 44.1	500	23	12.4 - 33.6	300	13 *	2.5 - 22.5	200
Hispanic foreign-born	12	2,400	12	6.7 - 16.9	900	10	5.0 - 16.0	700	13	5.4 - 19.8	600	16	8.1 - 24.1	300	--			--		
Asian/PI foreign-born	13	2,800	16	7.2 - 25.7	1,200	9 *	3.3 - 14.4	600	21	11.6 - 31.2	1,000	--			7 *	1.3 - 11.9	100	4 *	0.6 - 7.0	<100
Asian/PI US-born	3 *	700	--			2 *	0.3 - 3.2	100	4 *	1.0 - 6.5	200	--			--			--		
Black	6	1,200	4	2.1 - 6.0	300	4 *	1.0 - 7.6	300	5 *	1.1 - 8.2	200	12 *	0.5 - 24.2	200	9 *	1.3 - 16.6	100	--		
Other	1 *	100	--			--			--			--			--			--		
Language spoken at home																				
English	76	16,100	80	73.4 - 86.3	5,900	82	74.8 - 89.4	5,900	62	50.9 - 73.3	2,900	80	70.3 - 90.0	1,400	71 *	53.1 - 88.0	1,100	75 *	54.2 - 94.8	1,000
Spanish	11	2,400	10	5.2 - 15.1	700	8 *	2.7 - 12.6	500	16	7.4 - 24.0	700	13 *	4.6 - 21.6	200	20 *	2.0 - 38.2	300	--		
Asian or other	12	2,600	10	5.4 - 14.5	700	10	4.4 - 16.2	700	22	12.8 - 31.6	1,100	7 *	1.3 - 12.3	100	9 *	2.5 - 16.2	100	11 *	0.8 - 22.0	100
Maternal age (BC)																				
15-24	46	9,800	42	33.9 - 49.6	3,100	39	30.7 - 47.5	2,800	37	26.9 - 47.4	1,800	71	58.1 - 83.8	1,200	56	40.2 - 71.9	900	49	31.4 - 66.7	600
25-34	46	9,800	53	44.3 - 61.1	3,900	51	42.1 - 60.5	3,700	52	40.7 - 63.6	2,500	27	14.4 - 40.1	500	39	22.6 - 55.0	600	44	26.0 - 62.3	600
35+	8	1,700	6	3.3 - 7.8	400	10 *	1.9 - 17.4	700	11 *	3.0 - 18.4	500	--			5 *	0.5 - 9.8	100	7 *	1.4 - 12.3	100
Maternal education																				
HS diploma (GED) or less	33	7,000	32	23.9 - 39.5	2,300	24	15.8 - 31.5	1,700	29	19.3 - 38.4	1,400	54	40.3 - 68.2	900	59	44.6 - 72.6	900	43	24.5 - 61.9	600
Any college or more	67	14,200	68	60.5 - 76.1	5,100	76	68.5 - 84.2	5,500	71	61.6 - 80.7	3,400	46	31.8 - 59.7	800	41	27.4 - 55.4	600	57	38.1 - 75.5	700
Marital status																				
Married	45	9,500	49	40.1 - 57.5	3,600	48	38.6 - 57.0	3,500	61	51.0 - 71.4	2,900	21	12.4 - 30.6	400	27	13.0 - 40.6	400	30	17.2 - 43.4	400
Not married	55	11,700	51	42.5 - 59.9	3,800	52	43.0 - 61.4	3,800	39	28.6 - 49.0	1,900	79	69.4 - 87.6	1,400	73	59.4 - 87.0	1,100	70	56.6 - 82.8	900
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	12	2,400	4	2.6 - 5.4	300	6	3.5 - 8.9	400	9	4.6 - 13.5	400	18	9.9 - 25.4	300	16	6.8 - 25.5	200	9 *	2.8 - 15.0	100
Private	48	9,900	56	47.4 - 64.0	4,100	60	51.0 - 68.0	4,300	49	37.6 - 59.6	2,200	27	13.4 - 39.6	500	30	16.4 - 44.1	500	35	18.7 - 51.6	500
Uninsured	38	7,900	37	29.4 - 45.2	2,800	32	23.7 - 39.6	2,300	39	29.0 - 49.0	1,700	52	38.5 - 65.8	900	51	35.4 - 66.5	800	55	37.4 - 72.1	700
Other	3	600	3 *	1.0 - 5.1	200	3	1.1 - 4.1	200	3 *	0.4 - 6.4	200	--			--			--		
Prenatal insurance (BC)																				
Medi-Cal	46	9,800	39	31.6 - 46.0	2,900	41	33.4 - 49.4	3,000	38	28.3 - 47.5	1,800	65	50.9 - 79.8	1,100	63	45.0 - 80.3	900	52	33.7 - 69.4	700
Private	42	8,900	48	39.2 - 56.7	3,600	48	38.6 - 57.3	3,500	49	37.0 - 60.3	2,300	22 *	8.4 - 34.8	400	20 *	6.4 - 34.1	300	33	16.8 - 50.1	400
Uninsured	8	1,700	7 *	2.2 - 12.5	500	8 *	2.3 - 14.4	600	11 *	3.5 - 18.5	500	--			--			--		
Other	4	800	6 *	1.5 - 10.4	400	--			--			--			--			--		
CalFresh during pregnancy	12	2,500	5	2.9 - 6.7	400	4	2.7 - 5.9	300	11	6.4 - 16.2	500	31	17.2 - 44.4	500	19	8.5 - 28.7	300	14	5.8 - 22.3	200

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) who were First-time Moms

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	69	14,200	65	55.8 - 74.5	4,700	56	46.3 - 65.1	3,800	74	63.8 - 84.4	3,500	84 *	72.9 - 95.0	1,400	84 *	71.1 - 97.4	1,300	82 *	71.8 - 92.8	1,000
Income as % of poverty																				
0-100%	43	8,600	34	26.3 - 41.8	2,400	28	19.8 - 35.9	1,900	51	38.4 - 63.0	2,300	66	53.3 - 79.4	1,100	65	50.7 - 80.3	900	50	32.1 - 68.6	600
>100%	57	11,500	66	58.2 - 73.7	4,700	72	64.1 - 80.2	5,000	49	37.0 - 61.6	2,200	34	20.6 - 46.7	600	35	19.7 - 49.3	500	50	31.4 - 67.9	600
Hard to live on income	44	9,200	45	36.5 - 53.1	3,300	29	19.3 - 37.7	2,000	50	38.6 - 61.9	2,400	54	39.9 - 68.4	900	48	32.4 - 62.8	700	37	21.7 - 51.3	500
Food insecurity																				
Food insecure	15	3,100	19	12.5 - 26.0	1,400	5 *	1.6 - 8.6	400	15	8.6 - 21.1	700	24	14.4 - 34.2	400	21	10.9 - 30.2	300	5 *	1.1 - 8.4	100
Food secure	85	18,200	81	74.0 - 87.5	6,000	95 *	91.4 - 98.4	6,900	85	78.9 - 91.4	4,100	76	65.8 - 85.6	1,300	79	69.8 - 89.1	1,200	95 *	91.6 - 98.9	1,200
Health and Psychosocial Risk Indices																				
Self-reported poor health	21	4,300	17	11.6 - 23.0	1,300	19	12.1 - 26.5	1,400	18	9.5 - 26.7	800	19	10.5 - 27.2	300	23	11.9 - 33.2	300	16 *	6.4 - 25.6	200
Psychosocial risk	29	6,300	31	23.9 - 38.9	2,300	21	14.3 - 28.3	1,500	33	22.3 - 43.4	1,600	28	16.9 - 38.2	500	26	15.4 - 36.5	400	39	21.2 - 56.1	500
Risky substance use	44	9,300	46	37.9 - 55.0	3,400	48	38.8 - 57.4	3,400	29	19.6 - 38.7	1,400	50	36.4 - 63.9	900	45	29.6 - 60.1	700	41	24.4 - 58.1	500
Dietary risk	97	19,500	95 *	91.2 - 99.7	7,000	94 *	89.1 - 98.5	6,400	--			--			--			--		
Breastfeeding Intention																				
Breastfeed exclusively	74	15,500	76	69.8 - 82.7	5,600	80	72.1 - 88.1	5,700	75	66.9 - 83.8	3,500	65	53.6 - 77.2	1,100	65	48.3 - 81.1	1,000	61	41.0 - 80.1	800
Any formula/not sure	26	5,400	24	17.3 - 30.2	1,700	20	11.9 - 27.9	1,400	25	16.2 - 33.1	1,200	35	22.8 - 46.4	600	35	18.9 - 51.7	500	39	19.9 - 59.0	500

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) who Had a Prior Live Birth

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		32,300	41	37.3 - 45.5	10,700	32	28.8 - 35.8	8,400	9	6.3 - 11.4	2,300	17	14.3 - 20.3	4,500	11	8.5 - 14.4	3,000	11	8.9 - 13.3	2,900
Socio-Demographic Factors																				
Race/ethnicity (BC)																				
White	31	9,700	31	25.7 - 37.1	3,300	43	37.6 - 49.2	3,500	31	19.5 - 42.6	600	28	19.4 - 36.2	1,200	34	22.6 - 45.3	1,000	50	40.3 - 60.6	1,400
Hispanic US-born	25	7,900	25	18.3 - 32.2	2,700	21	16.1 - 25.6	1,700	13 *	2.2 - 24.1	300	33	23.4 - 43.6	1,500	30	16.7 - 43.9	900	23	14.8 - 30.9	600
Hispanic foreign-born	20	6,400	26	19.0 - 32.9	2,700	15	10.8 - 19.9	1,200	22	10.1 - 33.9	400	20	12.3 - 28.0	900	26 *	10.3 - 41.1	700	9	5.3 - 12.6	200
Asian/PI foreign-born	9	2,900	7	4.2 - 9.6	700	6	3.3 - 8.0	500	26 *	9.9 - 42.5	500	3 *	0.7 - 4.3	100	2 *	0.1 - 4.7	100	7 *	0.6 - 12.6	200
Asian/PI US-born	4	1,200	4 *	1.2 - 6.6	400	2 *	1.0 - 3.9	200	--			3 *	0.9 - 5.4	100	--			--		
Black	9	2,700	6	2.9 - 9.0	600	11	6.1 - 15.4	900	--			12	6.8 - 16.3	500	5	1.9 - 7.3	100	7 *	2.5 - 12.3	200
Other	1	400	1 *	0.2 - 1.1	100	--			--			--			--			--		
Language spoken at home																				
English	76	24,200	79	73.4 - 85.5	8,400	83	78.7 - 86.9	6,900	56	40.4 - 71.8	1,300	80	72.7 - 88.1	3,600	77 *	62.0 - 92.3	2,300	90	86.7 - 94.0	2,600
Spanish	16	5,000	14	8.7 - 20.3	1,500	11	7.8 - 15.1	1,000	19	7.9 - 29.9	400	18	10.0 - 25.3	800	21 *	6.1 - 36.7	600	6	2.9 - 9.1	200
Asian or other	8	2,700	6	3.6 - 8.6	600	6	3.7 - 7.7	500	25 *	9.6 - 40.4	600	2 *	0.6 - 3.3	100	1 *	0.4 - 2.6	<100	4	1.9 - 5.4	100
Maternal age (BC)																				
15-24	23	7,300	11	8.1 - 14.1	1,200	18	13.2 - 23.0	1,500	15 *	5.9 - 23.4	300	27	19.4 - 34.3	1,200	29	18.4 - 39.4	900	26	16.9 - 34.6	700
25-34	57	18,500	67	61.2 - 73.5	7,200	62	55.6 - 67.5	5,200	55	39.7 - 69.6	1,200	55	45.9 - 65.0	2,500	56	42.7 - 69.5	1,700	62	51.8 - 71.5	1,800
35+	20	6,500	22	16.0 - 27.2	2,300	20	15.4 - 25.2	1,700	31	16.7 - 44.7	700	18	9.2 - 26.2	800	15 *	5.1 - 24.8	400	13	5.9 - 19.3	400
Maternal education																				
HS diploma (GED) or less	44	14,100	37	29.9 - 44.0	3,900	31	25.5 - 35.5	2,500	29	17.3 - 39.9	700	59	50.2 - 68.0	2,600	61	49.4 - 73.5	1,800	35	25.3 - 43.9	1,000
Any college or more	56	18,100	63	56.0 - 70.1	6,700	69	64.5 - 74.5	5,800	71	60.1 - 82.7	1,600	41	32.0 - 49.8	1,800	39	26.5 - 50.6	1,100	65	56.1 - 74.7	1,900
Marital status																				
Married	55	17,800	67	60.6 - 73.6	7,200	62	56.5 - 68.2	5,200	74	63.4 - 85.1	1,700	46	35.8 - 55.9	2,100	40	26.4 - 54.0	1,200	58	48.4 - 67.8	1,700
Not married	45	14,400	33	26.4 - 39.4	3,500	38	31.8 - 43.5	3,100	26	14.9 - 36.6	600	54	44.1 - 64.2	2,400	60	46.0 - 73.6	1,800	42	32.2 - 51.6	1,200
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	35	11,200	16	12.0 - 19.8	1,700	33	27.3 - 38.4	2,700	23 *	9.4 - 37.1	500	51	41.7 - 61.1	2,300	38	25.7 - 50.6	1,100	36	27.0 - 45.5	1,000
Private	36	11,500	56	49.0 - 62.7	6,000	38	31.7 - 43.8	3,100	49	34.1 - 64.9	1,100	20	9.2 - 30.9	900	27	12.9 - 40.4	800	30	19.1 - 41.7	900
Uninsured	27	8,600	25	19.1 - 31.5	2,700	26	20.5 - 31.0	2,100	27	14.2 - 40.3	600	26	19.2 - 32.8	1,200	34	19.6 - 48.1	1,000	33	24.3 - 41.4	900
Other	3	800	3 *	1.2 - 4.7	300	4	1.6 - 5.6	300	--			--			--			--		
Prenatal insurance (BC)																				
Medi-Cal	55	17,600	42	35.2 - 48.4	4,500	57	50.6 - 63.1	4,700	45	30.4 - 58.9	1,000	67	56.0 - 77.1	3,000	65	50.6 - 78.7	1,900	64	53.2 - 75.5	1,900
Private	36	11,500	53	45.7 - 59.5	5,600	37	30.1 - 43.0	3,100	42	25.9 - 57.6	1,000	27	16.6 - 38.3	1,200	31	16.9 - 45.2	900	28	16.5 - 38.9	800
Uninsured	6	2,100	3 *	1.1 - 4.7	300	4	1.8 - 6.1	300	--			4 *	1.0 - 6.1	200	4 *	1.4 - 6.2	100	--		
Other	3	1,100	3 *	1.0 - 4.5	300	3 *	0.7 - 4.7	200	--			--			--			--		
CalFresh during pregnancy	31	9,900	12	8.2 - 16.1	1,300	25	19.9 - 30.4	2,100	10 *	3.7 - 16.7	200	52	42.5 - 62.0	2,300	30	19.4 - 41.6	900	30	21.7 - 38.9	900

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) who Had a Prior Live Birth

Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	81	25,500	75	69.5 - 81.4	7,900	69	64.0 - 74.8	5,600	81 *	68.0 - 94.2	1,800	90 *	81.6 - 99.1	4,000	85 *	71.5 - 97.6	2,500	81	73.6 - 88.7	2,200
Income as % of poverty																				
0-100%	53	16,300	32	25.4 - 38.7	3,300	47	40.6 - 53.5	3,700	55	38.8 - 70.3	1,200	69	59.0 - 78.9	3,000	56	41.7 - 70.1	1,600	47	36.5 - 56.7	1,300
>100%	47	14,500	68	61.3 - 74.6	7,000	53	46.5 - 59.4	4,100	45	29.7 - 61.2	1,000	31	21.1 - 41.0	1,400	44	29.9 - 58.3	1,300	53	43.3 - 63.5	1,400
Hard to live on income	62	19,800	65	58.4 - 71.2	6,900	44	38.3 - 50.4	3,700	57	41.2 - 72.5	1,300	78	68.7 - 86.3	3,500	75	61.9 - 87.6	2,200	65	55.8 - 74.0	1,800
Food insecurity																				
Food insecure	22	7,000	24	17.4 - 31.6	2,600	5	3.0 - 6.8	400	19	9.2 - 28.8	400	32	24.3 - 40.0	1,400	37	22.3 - 51.8	1,100	22	13.2 - 30.0	600
Food secure	78	25,100	76	68.4 - 82.6	8,100	95	93.2 - 97.0	8,000	81	71.2 - 90.8	1,800	68	60.0 - 75.7	3,000	63	48.2 - 77.7	1,900	78	70.0 - 86.8	2,300
Health and Psychosocial Risk Indices																				
Self-reported poor health	26	8,400	25	19.4 - 31.0	2,700	21	16.3 - 26.5	1,800	21 *	7.5 - 34.1	500	32	23.6 - 40.9	1,400	25	14.4 - 35.9	700	21	14.1 - 28.0	600
Psychosocial risk	35	11,100	34	27.1 - 41.6	3,700	25	20.0 - 29.9	2,100	28	15.4 - 39.9	600	41	31.6 - 50.2	1,800	40	25.3 - 54.6	1,200	34	24.7 - 43.7	1,000
Risky substance use	34	10,900	31	25.4 - 37.6	3,400	36	30.4 - 41.5	3,000	27	15.1 - 38.5	600	46	36.8 - 55.9	2,100	43	29.8 - 56.1	1,300	37	28.1 - 46.1	1,100
Dietary risk	95	29,600	96	93.0 - 98.1	9,900	95	92.6 - 96.9	7,700	94 *	88.8 - 98.5	2,000	--			97 *	95.1 - 99.2	2,800	97 *	94.3 - 98.8	2,700
Breastfeeding Intention																				
Breastfeed exclusively	57	17,800	62	56.0 - 68.8	6,600	66	61.0 - 71.8	5,500	60	45.8 - 74.8	1,400	54	44.4 - 63.5	2,200	67	56.2 - 78.4	1,900	64	54.0 - 73.3	1,800
Any formula/not sure	43	13,400	38	31.2 - 44.0	4,000	34	28.2 - 39.0	2,800	40	25.2 - 54.2	900	46	36.5 - 55.6	1,900	33	21.6 - 43.8	900	36	26.7 - 46.0	1,000

-- Estimate suppressed because it does not meet the minimum standard of statistical reliability (relative standard error is greater than 50%), or fewer than 10 women reported.

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

† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Adolescent (ages 15-19) Eligible Nonparticipants (ENPs)
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		3,800	**29**	19.5 - 37.8	800	**26**	18.2 - 34.2	700	**24**	14.0 - 33.3	700	**20**	12.4 - 27.7	600	**14**	7.9 - 19.9	400	**8** *	1.4 - 14.5	200
Socio-Demographic Factors																				
Race/ethnicity (BC)																				
White	30	1,100	46	26.8 - 65.5	300	40	22.5 - 56.6	300	36 *	9.9 - 62.3	200	39	18.0 - 59.5	200	14 *	4.5 - 23.7	100	--		
Hispanic US-born	47	1,700	45	26.1 - 64.0	300	41	24.8 - 56.3	300	25 *	5.7 - 44.5	200	54	32.4 - 74.6	300	74	59.5 - 88.0	300	--		
Hispanic foreign-born	11	400	--			--			--			--			--			--		
Asian/PI foreign-born	--		--			--			--			--			--			--		
Asian/PI US-born	3 *	100	--			--			--			--			--			--		
Black	6 *	200	--			6 *	2.1 - 9.8	<100	--			--			--			--		
Other	--		--			--			--			--			--			--		
Language spoken at home																				
English	79	3,000	75 *	56.2 - 93.8	600	70 *	52.0 - 88.0	500	71 *	49.2 - 92.9	500	--			--			--		
Spanish	16	600	--			20 *	7.2 - 33.4	100	--			--			--			--		
Asian or other	6 *	200	--			--			--			--			--			--		
Maternal education																				
HS diploma (GED) or less	84	3,200	78 *	61.6 - 93.4	600	75	61.0 - 88.3	500	--			--			--			--		
Any college or more	16	600	22 *	6.6 - 38.4	200	25	11.7 - 39.0	200	--			--			--			--		
Parity (BC)																				
First live birth	77	3,000	--			90 *	81.2 - 97.8	600	--			82 *	65.7 - 98.8	500	--			--		
Second live birth or more	23	900	--			10 *	2.2 - 18.8	100	--			--			--			--		
Marital status																				
Married	12	400	--			14 *	2.8 - 25.7	100	--			--			--			--		
Not married	88	3,400	86 *	72.7 - 98.7	700	86 *	74.3 - 97.2	600	83 *	67.0 - 99.7	500	--			--			--		
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	30	1,100	13	6.0 - 20.8	100	23	12.8 - 34.0	200	26 *	6.7 - 46.2	200	39	19.8 - 58.5	200	43	21.4 - 64.5	200	--		
Private	36	1,300	59	40.1 - 77.4	500	37	21.0 - 52.4	300	33 *	7.0 - 58.8	200	--			--			--		
Uninsured	32	1,200	27 *	8.6 - 46.2	200	37	19.8 - 54.4	300	41	17.9 - 63.4	300	47	26.0 - 68.4	300	35 *	12.1 - 58.2	100	--		
Other	--		--			--			--			--			--			--		
Prenatal insurance (BC)																				
Medi-Cal	58	2,200	56	37.0 - 75.8	400	66	50.3 - 82.2	500	56	32.2 - 80.3	400	79 *	62.3 - 95.3	400	82 *	65.0 - 98.5	300	48 *	4.6 - 91.2	100
Private	26	1,000	--			19 *	6.9 - 31.4	100	--			--			--			--		
Uninsured	12	400	--			--			--			--			--			--		
Other	--		--			--			--			--			--			--		
CalFresh during pregnancy	20	800	6 *	1.5 - 9.8	<100	12 *	4.5 - 19.4	100	33 *	11.0 - 55.0	200	38	18.9 - 58.0	200	33 *	11.8 - 53.4	100	--		

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Adolescent (ages 15-19) Eligible Nonparticipants (ENPs)
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	91	3,200	73 *	56.4 - 89.8	500	78 *	64.3 - 91.4	500	--			--			100 †		400	--		
Income as % of poverty																				
0-100%	76	2,500	54	34.3 - 73.7	400	66	48.4 - 82.9	400	--			84 *	67.8 - 99.5	400	80 *	61.6 - 99.3	300	--		
>100%	24	800	46	26.3 - 65.7	300	34	17.1 - 51.6	200	--			--			--			--		
Hard to live on income	54	2,000	44	25.2 - 62.3	300	23	10.1 - 36.0	200	83 *	68.9 - 97.4	500	77 *	58.2 - 95.5	400	64 *	40.1 - 87.5	200	--		
Food insecurity																				
Food insecure	25	1,000	9 *	3.1 - 14.1	100	8 *	2.0 - 14.1	100	32 *	10.0 - 53.3	200	56	35.7 - 76.9	300	41	18.8 - 62.4	200	--		
Food secure	75	2,900	91 *	85.9 - 96.9	700	92 *	85.9 - 98.0	700	68 *	46.7 - 90.0	400	44	23.1 - 64.3	200	59	37.6 - 81.2	200	--		
Health and Psychosocial Risk Indices																				
Self-reported poor health	20	800	18 *	4.6 - 31.5	100	15 *	5.2 - 24.0	100	14 *	3.4 - 24.3	100	32 *	11.8 - 51.7	200	25 *	8.2 - 41.9	100	--		
Psychosocial risk	40	1,500	55	37.0 - 73.2	400	45	28.3 - 62.0	300	37 *	14.2 - 59.4	200	40	19.9 - 61.0	200	31 *	12.1 - 48.9	100	--		
Risky substance use	34	1,300	29	13.2 - 45.3	200	35	20.4 - 48.9	200	27 *	6.7 - 48.0	200	39	18.9 - 59.1	200	23 *	8.0 - 37.1	100	--		
Dietary risk	98 *	3,300	--			--			--			--			100 †		400	100 †		200
Breastfeeding Intention																				
Breastfeed exclusively	53	1,900	59	40.3 - 78.1	500	67	49.7 - 84.0	500	50	24.8 - 74.3	300	50	28.7 - 70.7	300	51	28.4 - 73.7	200	49 *	4.8 - 93.6	100
Any formula/not sure	47	1,700	41	21.9 - 59.7	300	33	16.0 - 50.3	200	50	25.7 - 75.2	300	50	29.3 - 71.3	300	49	26.3 - 71.6	200	--		

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† Estimate should be interpreted with caution due to undetermined statistical reliability (relative standard error is not calculated for an estimate of 100%).

Notes: Percent (%), 95% confidence interval (95% CI), and annual population estimates (rounded to the nearest hundred) are weighted to represent all live births in California. Population estimates are a three-year average (2010-2012). Percentages of characteristics for eligible nonparticipants by reason are calculated out of eligible nonparticipants in the subgroup who gave each reason. The Subgroup Total row shows the total number of ENPs in the subgroup, and the percentage of women reporting each reason calculated out of the eligible nonparticipants in the subgroup who gave a reason for not enrolling in WIC during pregnancy. Eligible nonparticipants are women who had Medi-Cal for prenatal care or delivery or had an income ≤185% of the Federal Poverty Guideline (FPG), but had no prenatal record in the WIC MIS database. Data shown are self-reported in MIHA, unless the variable was from the birth certificate (BC). Definitions of characteristics are in the appendix.

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) with Income Above Poverty and At Least Some College Education
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Subgroup Total		19,400	47	41.8 - 53.0	8,400	42	37.1 - 47.9	7,600	15	11.2 - 19.7	2,800	5	3.4 - 7.1	900	5	3.4 - 6.8	900	9	6.2 - 11.2	1,600
Socio-Demographic Factors																				
Race/ethnicity (BC)																				
White	45	8,500	35	28.3 - 42.5	2,900	63	54.9 - 70.9	4,500	36	22.1 - 50.3	1,000	25	12.7 - 37.4	200	47	30.0 - 63.4	400	67	53.9 - 79.2	1,000
Hispanic US-born	20	3,800	27	18.5 - 34.8	2,200	16	9.4 - 22.8	1,200	18 *	4.4 - 30.7	500	43	24.6 - 61.1	400	33	17.1 - 49.0	300	17 *	6.7 - 27.5	300
Hispanic foreign-born	8	1,500	11	5.8 - 16.7	900	7	3.0 - 11.1	500	--			11 *	4.0 - 18.0	100	--			--		
Asian/PI foreign-born	17	3,100	14	6.5 - 21.8	1,200	7	3.7 - 10.2	500	34	18.6 - 50.2	900	--			12 *	2.4 - 21.8	100	--		
Asian/PI US-born	5	900	6 *	1.1 - 11.1	500	2 *	0.5 - 3.3	100	7 *	1.7 - 12.1	200	--			--			--		
Black	5	900	6	3.7 - 8.7	500	4 *	0.9 - 7.2	300	--			--			--			--		
Other	1 *	100	--			--			--			--			--			--		
Language spoken at home																				
English	81	15,600	89	84.6 - 92.9	7,400	87	81.4 - 93.0	6,600	61	45.7 - 76.2	1,700	81 *	69.8 - 92.9	800	85 *	74.7 - 96.0	800	95 *	91.1 - 98.5	1,500
Spanish	4	700	3	1.5 - 4.9	300	4 *	1.3 - 6.4	300	--			--			--			--		
Asian or other	15	2,900	8	4.3 - 11.8	700	9 *	3.5 - 14.3	700	35	20.0 - 50.6	1,000	--			13 *	2.2 - 23.0	100	4 *	0.9 - 7.9	100
Maternal age (BC)																				
15-24	19	3,600	15	11.0 - 19.8	1,300	20	13.6 - 26.4	1,500	16	8.6 - 24.2	500	30	15.4 - 44.6	300	34	17.3 - 51.6	300	24	13.4 - 35.3	400
25-34	63	12,200	68	60.7 - 74.8	5,700	60	51.7 - 68.5	4,500	64	50.2 - 78.2	1,800	55	37.0 - 72.5	500	59	42.1 - 75.7	500	64	51.9 - 76.9	1,000
35+	19	3,600	17	11.0 - 22.6	1,400	20	11.9 - 27.9	1,500	19 *	6.2 - 32.6	500	--			7 *	1.4 - 12.0	100	11	4.8 - 17.8	200
Parity (BC)																				
First live birth	47	9,100	41	32.3 - 49.2	3,400	57	49.3 - 64.4	4,300	72	58.5 - 84.6	2,000	30	16.0 - 44.1	300	28	15.4 - 41.4	300	27	16.6 - 37.7	400
Second live birth or more	53	10,300	59	50.8 - 67.7	5,000	43	35.6 - 50.7	3,300	28	15.4 - 41.5	800	70	55.9 - 84.0	700	72	58.6 - 84.6	700	73	62.3 - 83.4	1,100
Marital status																				
Married	70	13,600	73	66.9 - 79.3	6,200	68	60.4 - 75.2	5,100	78	68.6 - 86.6	2,100	61	45.8 - 76.8	600	62	48.0 - 76.6	600	68	56.3 - 79.6	1,100
Not married	30	5,800	27	20.7 - 33.1	2,300	32	24.8 - 39.6	2,400	22	13.4 - 31.4	600	39	23.2 - 54.2	400	38	23.4 - 52.0	300	32	20.4 - 43.7	500
Health Insurance Coverage and Program Participation																				
Pre-pregnancy insurance																				
Medi-Cal	9	1,800	6	2.8 - 9.0	500	6	3.6 - 8.0	400	4 *	1.4 - 6.1	100	13 *	3.9 - 22.1	100	22 *	5.5 - 39.2	200	14 *	5.5 - 22.2	200
Private	61	11,900	69	62.4 - 76.1	5,800	63	55.7 - 70.3	4,700	73	62.0 - 83.6	2,000	56	39.3 - 72.0	500	51	34.8 - 67.8	500	53	38.8 - 67.0	800
Uninsured	26	5,100	22	16.2 - 28.3	1,900	28	20.9 - 34.4	2,100	20	10.6 - 29.6	500	25	12.7 - 37.0	200	24	12.8 - 35.2	200	32	20.9 - 43.6	500
Other	3	700	3 *	1.1 - 4.2	200	4	1.8 - 5.4	300	--			--			--			--		
Prenatal insurance (BC)																				
Medi-Cal	38	7,300	31	24.9 - 37.0	2,600	43	35.2 - 49.9	3,200	35	23.0 - 47.0	1,000	60	44.4 - 76.5	600	41	26.2 - 55.8	400	51	36.8 - 66.0	800
Private	52	10,100	61	53.8 - 68.4	5,200	49	40.6 - 57.1	3,700	57	43.5 - 70.8	1,600	36	20.3 - 51.6	300	53	37.5 - 69.2	500	41	25.9 - 56.7	600
Uninsured	6 *	1,100	3 *	0.2 - 5.9	300	6 *	1.7 - 10.8	500	--			--			--			--		
Other	4	900	5 *	1.0 - 8.8	400	2 *	0.7 - 4.0	200	--			--			--			--		
CalFresh during pregnancy	7 *	1,400	3 *	0.9 - 5.5	300	2	1.2 - 3.2	200	3 *	0.9 - 5.2	100	18 *	5.2 - 30.2	200	--			6 *	2.2 - 9.4	100

Characteristics of Women Reporting each Reason for not Enrolling in WIC among Eligible Nonparticipants (ENPs) with Income Above Poverty and At Least Some College Education
Maternal and Infant Health Assessment, 2010-2012

	All ENPs		Did not think would qualify			Perceived lack of need			Did not know about WIC			Could not get to WIC			Application and telephone barriers			Negative view of WIC		
	%	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate	%	95% CI	Annual Population Estimate
Financial Hardships during Pregnancy																				
Any financial hardship	53	10,200	59	50.9 - 67.6	4,900	40	31.7 - 48.5	3,000	45	30.4 - 60.0	1,200	74	60.4 - 87.3	700	69	54.5 - 84.1	600	61	48.0 - 74.6	900
Hard to live on income	47	9,200	54	45.3 - 62.0	4,500	33	24.8 - 41.8	2,500	41	26.3 - 55.6	1,100	67	52.8 - 81.8	600	64	48.6 - 79.1	600	55	41.2 - 68.9	900
Food insecurity																				
Food insecure	12	2,400	21	12.8 - 29.2	1,800	3 *	0.6 - 6.4	300	9	4.2 - 14.1	300	19	8.3 - 30.2	200	12 *	3.2 - 20.6	100	8 *	2.4 - 12.9	100
Food secure	88	17,000	79	70.8 - 87.2	6,700	97 *	93.6 - 99.4	7,300	91	85.9 - 95.8	2,500	81	69.8 - 91.7	800	88 *	79.4 - 96.8	800	92 *	87.1 - 97.6	1,400
Health and Psychosocial Risk Indices																				
Self-reported poor health	21	4,100	22	15.3 - 28.3	1,800	19	12.6 - 25.4	1,400	24 *	9.1 - 39.3	700	16 *	3.8 - 28.4	100	18 *	6.3 - 30.2	200	12	5.1 - 18.4	200
Psychosocial risk	27	5,300	32	23.3 - 40.0	2,700	18	12.1 - 24.4	1,400	30	15.2 - 43.8	800	38	18.9 - 56.2	400	23	11.6 - 35.2	200	26	15.0 - 37.5	400
Risky substance use	36	7,000	34	26.2 - 41.0	2,800	41	33.4 - 49.3	3,100	34	20.7 - 47.9	900	44	27.1 - 60.4	400	53	36.9 - 69.6	500	35	22.7 - 47.1	500
Dietary risk	92 *	17,500	93 *	88.2 - 97.6	7,700	92	87.4 - 96.5	6,800	88 *	76.3 - 99.3	2,300	--			--			96 *	93.0 - 99.4	1,400
Breastfeeding Intention																				
Breastfeed exclusively	71	13,600	73	66.3 - 79.1	6,100	78	70.8 - 85.0	5,800	81	72.6 - 89.5	2,200	63	47.2 - 78.8	600	71	57.8 - 84.3	700	74	63.3 - 85.3	1,100
Any formula/not sure	29	5,600	27	20.9 - 33.7	2,300	22	15.0 - 29.2	1,700	19	10.5 - 27.4	500	37	21.2 - 52.8	300	29	15.7 - 42.2	300	26	14.7 - 36.7	400

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