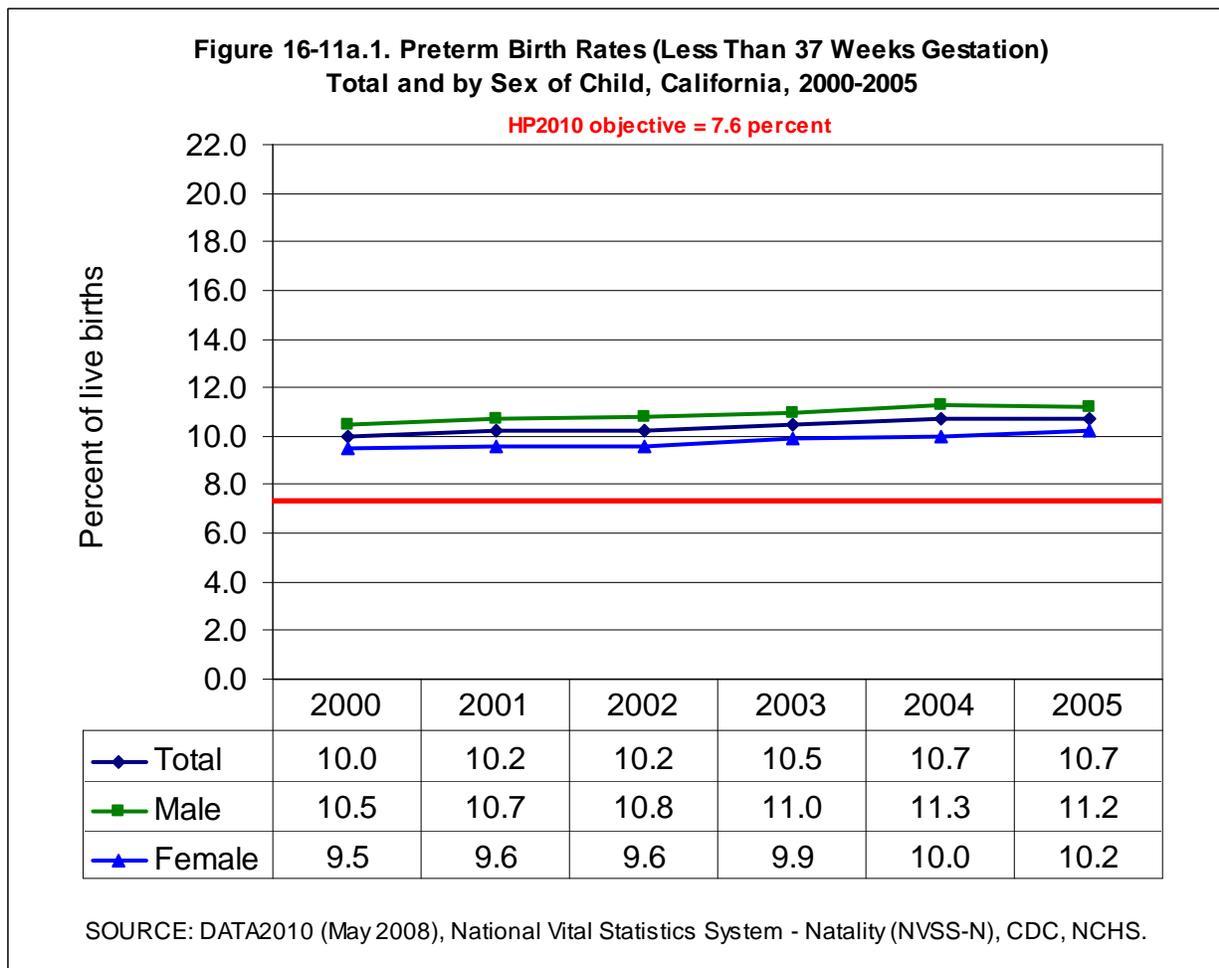


## Focus Area 16: Maternal, Infant, and Child Health

**Objective 16-11a. Reduce preterm births of less than 37 weeks gestation. Target = 7.6 percent [State Data Source: National Vital Statistics System – Natality (NVSS-N), CDC, NCHS]**

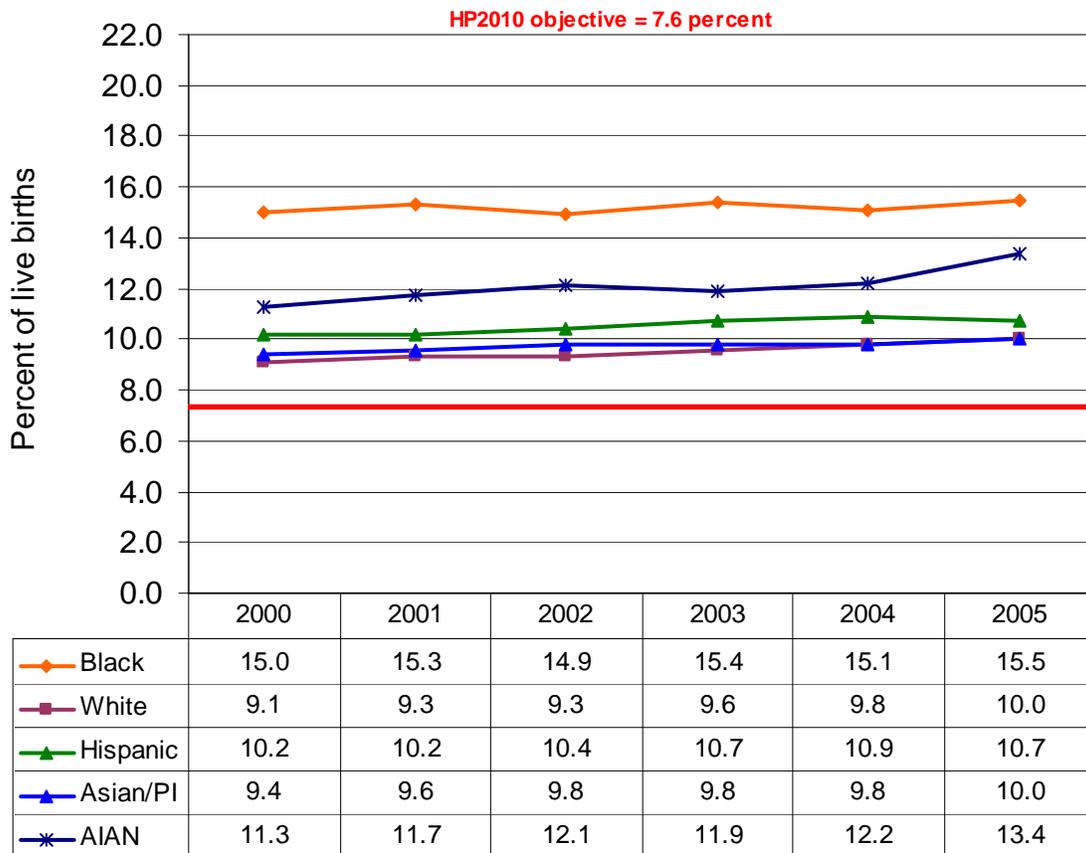
California’s rate of preterm live births of less than 37 weeks gestation was 10.7 percent in 2005 based on data extracted from DATA2010, a significant increase from 10.0 percent in 2000 (**Figure 16-11a.1, Table 16-11a**). California’s preterm birth rates for infants less than 37 weeks gestation were significantly higher than the HP2010 target of 7.6 percent, and rates are increasing away from the target.



Rates of preterm births of less than 37 weeks gestation for male infants were significantly higher than those for female infants in each year during the 2000-2005 time period (**Figure 16-11a.1, Table 16-11a**). The HP2010 objective was not being achieved for either gender of infants as of 2005, and rates were significantly increasing and moving away from the target.

Data by race-ethnicity of the mother (**Figure 16-11a.2, Table 16-11a**) show that the highest rates of preterm births of less than 37 weeks gestation were found for African Americans or Blacks (15.5 percent in 2005, with no significant trend), followed by American Indians or Alaska Natives (AIAN) (significant increase from 11.3 percent in 2000 to 13.4 percent in 2005), Hispanics or Latinas (significant increase from 10.2 percent in 2000 to 10.7 percent in 2005), Whites (significant increase from 9.1 percent in 2000 to 10.0 percent in 2005), and Asians or Pacific Islanders (PI) (significant increase from 9.4 percent in 2000 to 10.0 percent in 2005). This HP2010 objective was not being achieved for any racial or ethnic population as of 2005, and rates were moving away from the target of 7.6 percent.

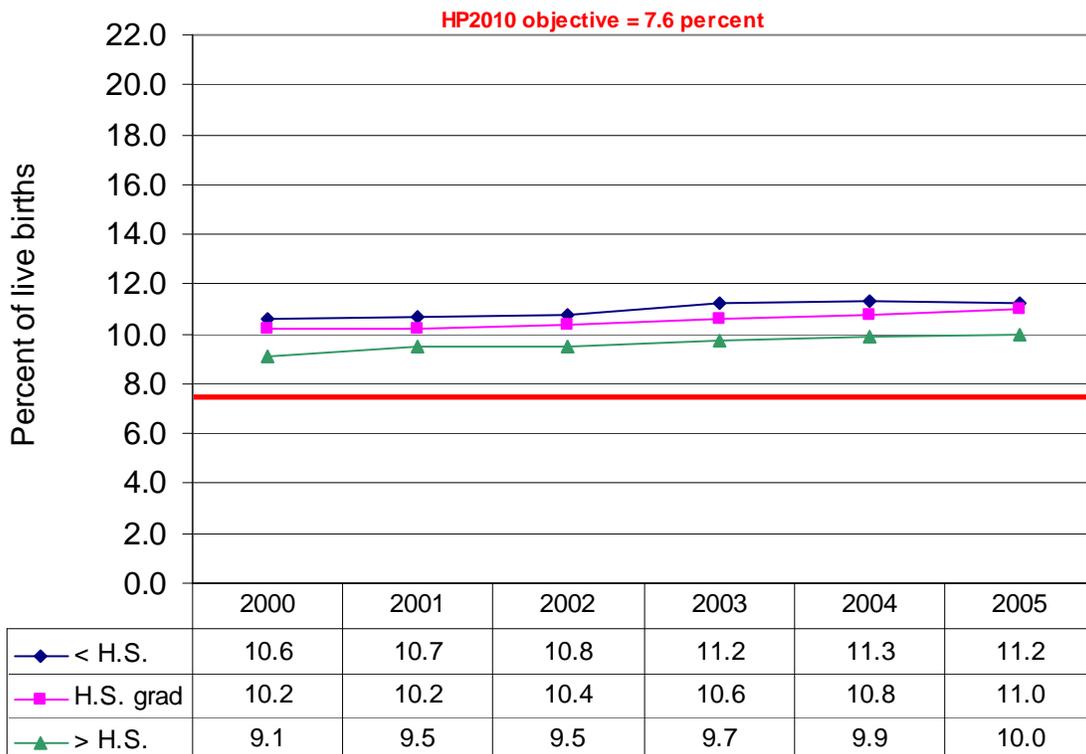
**Figure 16-11a.2. Preterm Birth Rates (Less Than 37 Weeks Gestation)  
By Race and Ethnicity of Mother, California, 2000-2005**



SOURCE: DATA2010 (May 2008), National Vital Statistics System - Natality (NVSS-N), CDC, NCHS.

Data by educational level of mother show decreasing rates of preterm births of less than 37 weeks gestation with increasing levels of education (**Figure 16-11a.3, Table 16-11a**). The rate for mothers with at least some college education was 10.0 percent in 2005, compared with 11.0 percent for those who had graduated from high school and 11.2 percent for those with less than a high school education. This HP2010 objective was not being achieved for mothers of any educational level as of 2005, and rates were significantly increasing and moving away from the target.

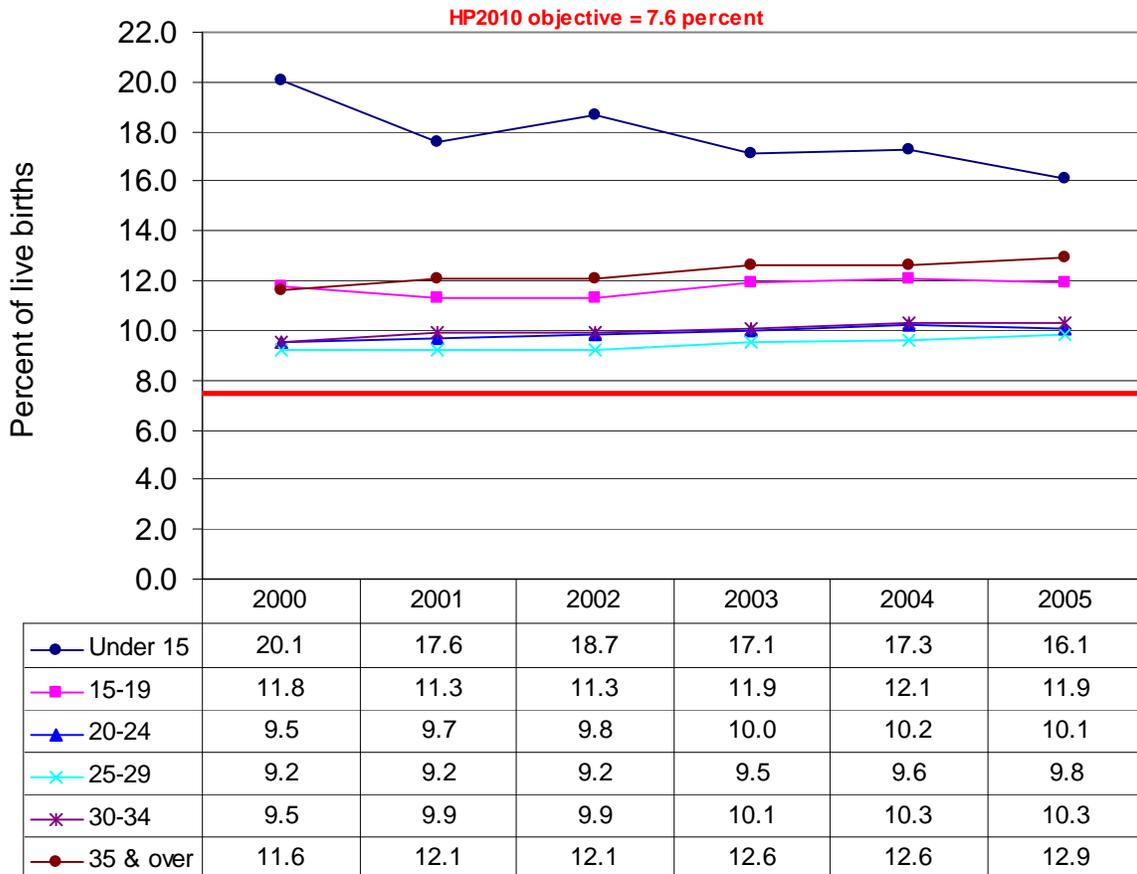
**Figure 16-11a.3. Preterm Birth Rates (Less Than 37 Weeks Gestation) By Educational Level of Mother, California, 2000-2005**



SOURCE: DATA2010 (May 2008), National Vital Statistics System - Natality (NVSS-N), CDC, NCHS.

Rates of preterm births of less than 37 weeks gestation were highest for mothers under 15 years of age (16.1 percent in 2005, a significant decrease from 20.1 percent in 2000), followed by those aged 35 years and older (significant increase from 11.6 percent in 2000 to 12.9 percent in 2005) (**Figure 16-11a.4, Table 16-11a**). This HP2010 objective was not being achieved for any maternal age group as of 2005, and rates were moving away from the target of 7.6 percent for all age groups except those under age 15.

**Figure 16-11a.4. Preterm Birth Rates (Less Than 37 Weeks Gestation) By Age of Mother, California, 2000-2005**



SOURCE: DATA2010 (May 2008), National Vital Statistics System - Natality (NVSS-N), CDC, NCHS.

For more information on preterm births in California, visit the Maternal, Child and Adolescent Health Branch Web site at:

<http://www.cdph.ca.gov/programs/MCAH/Pages/default.aspx>

For more information on Healthy People 2010 objective 16-11a, please visit:

<http://www.healthypeople.gov/Document/HTML/Volume2/16MICH.htm>

and the DATA2010 Web site at: <http://wonder.cdc.gov/data2010/>

Table 16-11a. Preterm Births - Less Than 37 Completed Weeks Gestation, California 2000-2005

	2000			2001			2002		
	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.
<b>Statewide Total</b>	10.0	10.0	10.0	10.2	10.2	10.2	10.2	10.2	10.2
<b>Sex of Child</b>									
Female	9.5	9.3	9.7	9.6	9.4	9.8	9.6	9.4	9.8
Male	10.5	10.3	10.7	10.7	10.5	10.9	10.8	10.6	11.0
<b>Race-Ethnicity of Mother</b>									
African American/Black	15.0	14.6	15.4	15.3	14.9	15.7	14.9	14.5	15.3
American Indian/Alaska Native	11.3	10.1	12.5	11.7	10.5	12.9	12.1	10.9	13.3
Asian/Pacific Islander	9.4	9.2	9.6	9.6	9.4	9.8	9.8	9.6	10.0
Hispanic/Latina	10.2	10.0	10.4	10.2	10.0	10.4	10.4	10.2	10.6
White	9.1	8.9	9.3	9.3	9.1	9.5	9.3	9.1	9.5
<b>Maternal Age Group</b>									
Under 15	20.1	17.4	22.8	17.6	14.9	20.3	18.7	15.8	21.6
15 - 19	11.8	11.6	12.0	11.3	11.1	11.5	11.3	11.1	11.5
20 - 24	9.5	9.3	9.7	9.7	9.5	9.9	9.8	9.6	10.0
25 - 29	9.2	9.0	9.4	9.2	9.0	9.4	9.2	9.0	9.4
30 - 34	9.5	9.3	9.7	9.9	9.7	10.1	9.9	9.7	10.1
35 and over	11.6	11.4	11.8	12.1	11.9	12.3	12.2	12.0	12.4
<b>Education Level of Mother</b>									
Less than high school	10.6	10.4	10.8	10.7	10.5	10.9	10.8	10.6	11.0
High school graduate	10.2	10.0	10.4	10.2	10.0	10.4	10.4	10.2	10.6
Some college	9.1	8.9	9.3	9.5	9.3	9.7	9.5	9.3	9.7

	2003			2004			2005		
	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.
<b>Statewide Total</b>	10.5	10.5	10.5	10.7	10.7	10.7	10.7	10.7	10.7
<b>Sex of Child</b>									
Female	9.9	9.7	10.1	10.0	9.8	10.2	10.2	10.0	10.4
Male	11.0	10.8	11.2	11.3	11.1	11.5	11.2	11.0	11.4
<b>Race-Ethnicity of Mother</b>									
African American/Black	15.4	15.0	15.8	15.1	14.7	15.5	15.5	15.1	15.9
American Indian/Alaska Native	11.9	10.7	13.1	12.2	11.0	13.4	13.4	12.2	14.6
Asian/Pacific Islander	9.8	9.6	10.0	9.8	9.6	10.0	10.0	9.8	10.2
Hispanic/Latina	10.7	10.5	10.9	10.9	10.7	11.1	10.7	10.5	10.9
White	9.6	9.4	9.8	9.8	9.6	10.0	10.0	9.8	10.2
<b>Maternal Age Group</b>									
Under 15	17.1	14.2	20.0	17.3	14.2	20.4	16.1	13.4	18.8
15 - 19	11.9	11.5	12.3	12.1	11.7	12.5	11.9	11.7	12.1
20 - 24	10.0	9.8	10.2	10.2	10.0	10.4	10.1	9.9	10.3
25 - 29	9.5	9.3	9.7	9.6	9.4	9.8	9.8	9.6	10.0
30 - 34	10.1	9.9	10.3	10.3	10.1	10.5	10.3	10.1	10.5
35 and over	12.6	12.4	12.8	12.6	12.4	12.8	12.9	12.7	13.1
<b>Education Level of Mother</b>									
Less than high school	11.2	11.0	11.4	11.3	11.1	11.5	11.2	11.0	11.4
High school graduate	10.6	10.4	10.8	10.8	10.6	11.0	11.0	10.8	11.2
Some college	9.7	9.5	9.9	9.9	9.7	10.1	10.0	9.8	10.2

SOURCE: DATA2010 (May 2008), CDC, NCHS; National Vital Statistics System - Natality (NVSS-N).

NOTES: <sup>1</sup> Percent of all live births that were less than 37 weeks gestation.