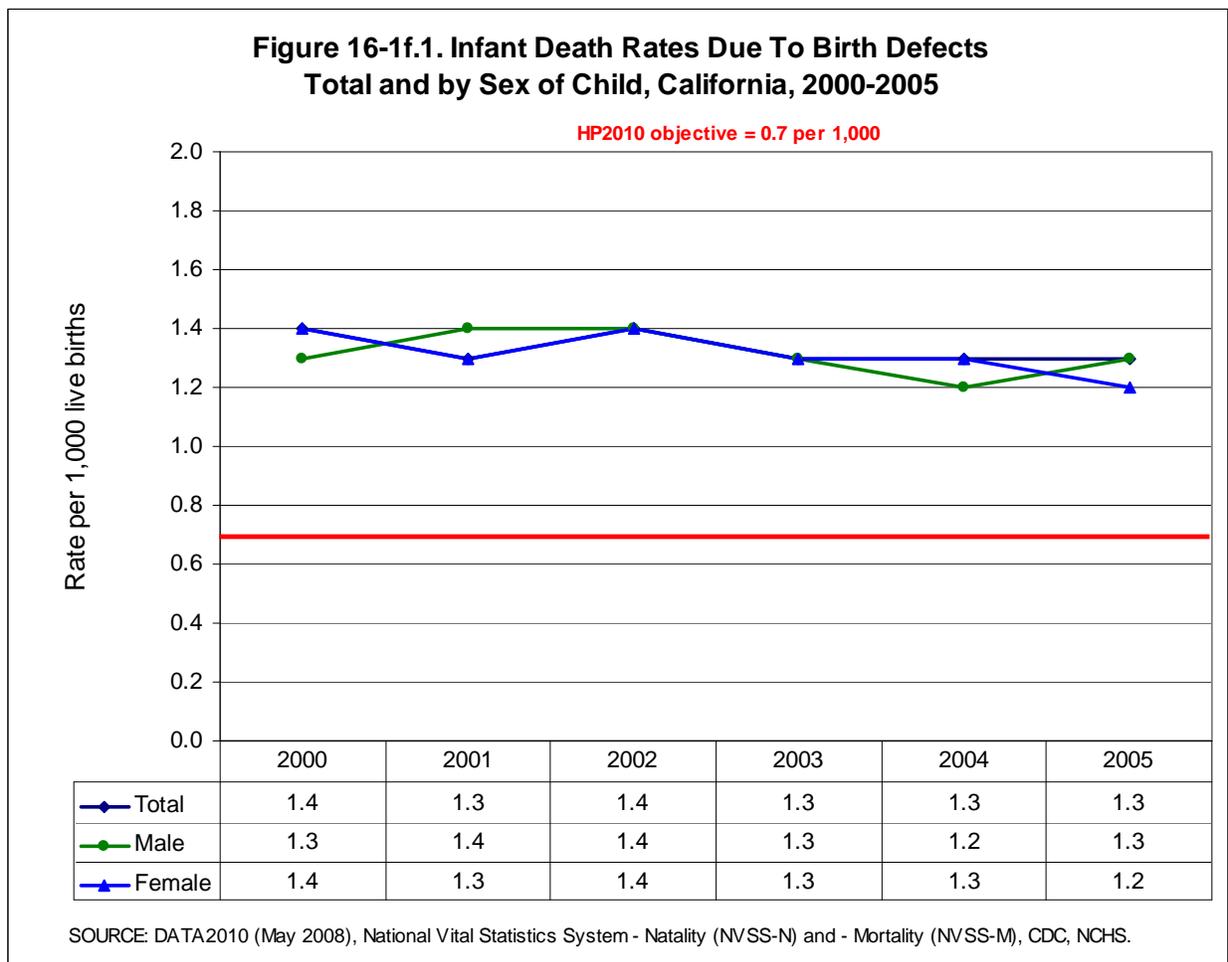


## Focus Area 16: Maternal, Infant, and Child Health

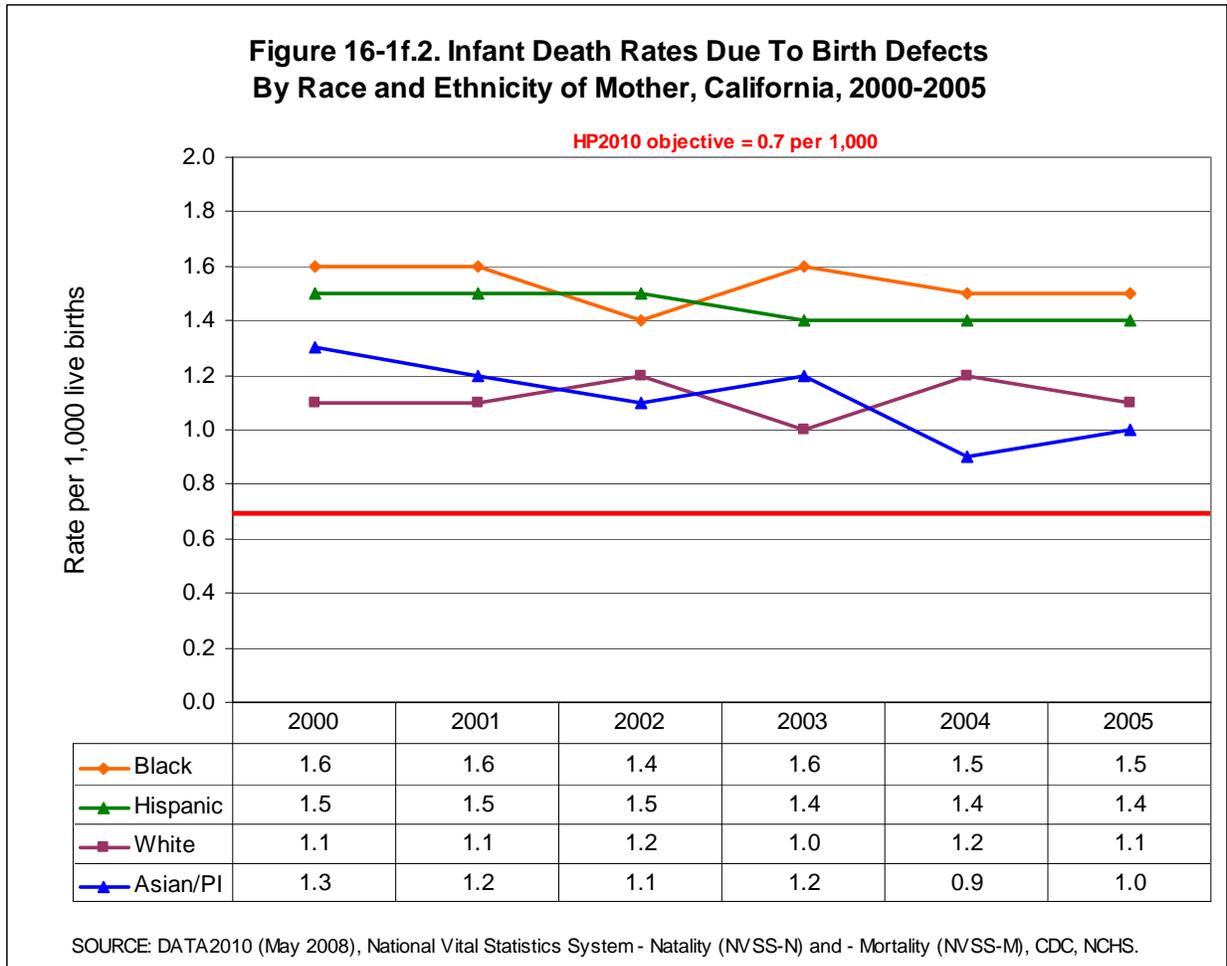
**Objective 16-1f. Infant deaths due to birth defects. Target = 0.7 per 1,000 live births [State Data Source: National Vital Statistics System – Natality (NVSS-N) and – Mortality (NVSS-M), CDC, NCHS]**

Based on data extracted from DATA2010, California’s infant death rate due to birth defects was 1.3 per 1,000 live births in 2005, compared with a rate of 1.4 per 1,000 live births in 2000 (Figure 16-1f.1, Table 16-1f). California’s infant death rate due to birth defects remained essentially unchanged, and this HP2010 objective had not yet been achieved.

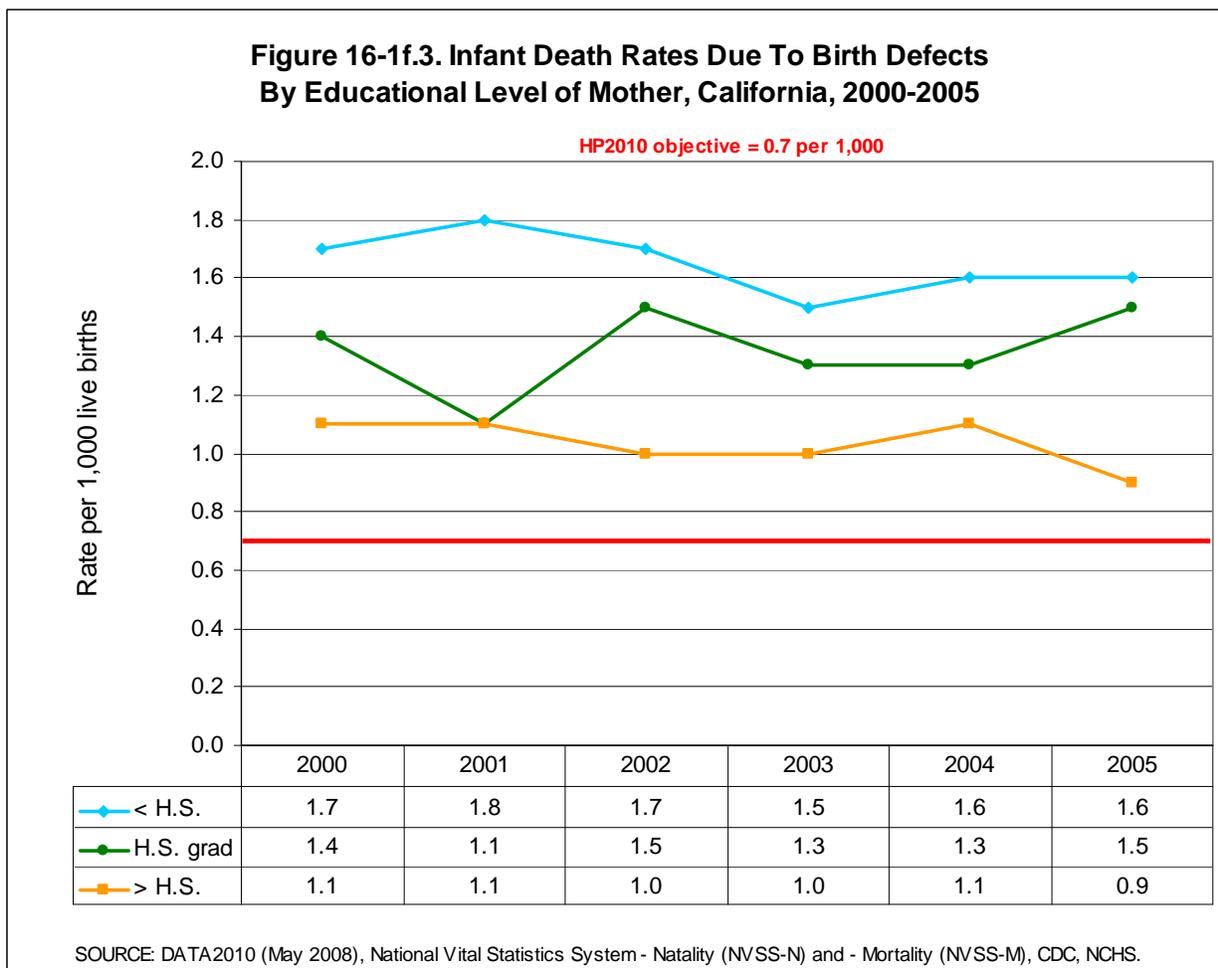


Death rates due to birth defects by gender of infant were not significantly different (1.3 per 1,000 male live births in 2005 compared with 1.2 per 1,000 female live births) (Figure 16-1f.1, Table 16-1f). No significant trends were found, and this HP2010 objective had not yet been achieved for either gender of infants as of 2005.

Data by race and ethnicity of the mother (**Figure 16-1f.2, Table 16-1f**) show that African Americans or Blacks experienced the highest infant death rates due to birth defects (1.5 per 1,000 live births in 2005), followed by Hispanics or Latinas (1.4 per 1,000 in 2005), Whites (1.1 per 1,000 in 2005), and Asians or Pacific Islanders (PI) (1.0 per 1,000 in 2005). The HP2010 objective was not yet being achieved for any of these racial or ethnic populations. Infant death rates due to birth defects for American Indians or Alaska Natives (AIAN) were unreliable due to the small numbers of events and are not reported here.



Examined by educational level of the mother (**Figure 16-1f.3, Table 16-1f**), the lowest infant death rates due to birth defects were for mothers with at least some college education (0.9 per 1,000 live births in 2005), and the highest rates were found for mothers who had less than a high school education (1.6 per 1,000 live births in 2005). This HP2010 objective was not being achieved for mothers of any educational level as of 2005.



For more information on birth defects in California, visit the CDPH Genetic Disease Screening Program Web site at:

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

and the Birth Defects Monitoring Program Web site at: <http://www.cbdmp.org/>

For more information on Healthy People 2010 objective 16-1f, please visit:

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

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

Table 16-1f. Infant Death Rates Due To Birth Defects, California 2000-2005

	2000 Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	2001 Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	2002 Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.
<b>Statewide Total</b>	1.4	1.2	1.6	1.3	1.1	1.5	1.4	1.2	1.6
<b>Gender of Child</b>									
Female	1.4	1.2	1.6	1.3	1.1	1.5	1.4	1.2	1.6
Male	1.3	1.1	1.5	1.4	1.2	1.6	1.4	1.2	1.6
<b>Race-Ethnicity of Mother</b>									
American Indian or Alaska Native	DSU	-----	-----	DSU	-----	-----	DSU	-----	-----
Asian or Pacific Islander	1.3	1.1	1.5	1.2	1.0	1.4	1.1	0.9	1.3
Black or African American	1.6	1.2	2.0	1.6	1.2	2.0	1.4	1.0	1.8
Hispanic or Latina	1.5	1.3	1.7	1.5	1.3	1.7	1.5	1.3	1.7
White	1.1	0.9	1.3	1.1	0.9	1.3	1.2	1.0	1.4
<b>Education Level of Mother</b>									
Less than high school	1.7	1.5	1.9	1.8	1.6	2.0	1.7	1.5	1.9
High school graduate	1.4	1.2	1.6	1.1	0.9	1.3	1.5	1.3	1.7
Some college	1.1	0.9	1.3	1.1	0.9	1.3	1.0	0.8	1.2

	2003 Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	2004 Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	2005 Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.
<b>Statewide Total</b>	1.3	1.1	1.5	1.3	1.1	1.5	1.3	1.1	1.5
<b>Gender of Child</b>									
Female	1.3	1.1	1.5	1.3	1.1	1.5	1.2	1.0	1.4
Male	1.3	1.1	1.5	1.2	1.0	1.4	1.3	1.1	1.5
<b>Race-Ethnicity of Mother</b>									
American Indian or Alaska Native	DSU	-----	-----	DSU	-----	-----	DSU	-----	-----
Asian or Pacific Islander	1.2	1.0	1.4	0.9	0.7	1.1	1.0	0.8	1.2
Black or African American	1.6	1.2	2.0	1.5	1.1	1.9	1.5	1.1	1.9
Hispanic or Latina	1.4	1.2	1.6	1.4	1.2	1.6	1.4	1.2	1.6
White	1.0	0.8	1.2	1.2	1.0	1.4	1.1	0.9	1.3
<b>Education Level of Mother</b>									
Less than high school	1.5	1.3	1.7	1.6	1.4	1.8	1.6	1.4	1.8
High school graduate	1.3	1.1	1.5	1.3	1.1	1.5	1.5	1.3	1.7
Some college	1.0	0.8	1.2	1.1	0.9	1.3	0.9	0.7	1.1

SOURCES: DATA2010 (May 2008), CDC, NCHS; National Vital Statistics System - Mortality (NVSS-M) and National Vital Statistics System - Natality (NVSS-N), CDC, NCHS.

NOTES: <sup>1</sup> Infant death rates are deaths occurring within one year of life per 1,000 live births from period-linked files; the 2005 period-linked file contains a numerator file that consists of all infant deaths occurring in 2005 that have been linked to their corresponding birth certificates, whether the birth occurred in 2004 or in 2005; birth defects are defined by ICD-10 codes Q00-Q99.

DSU Data statistically unreliable (Relative Standard Error greater than 23 percent).