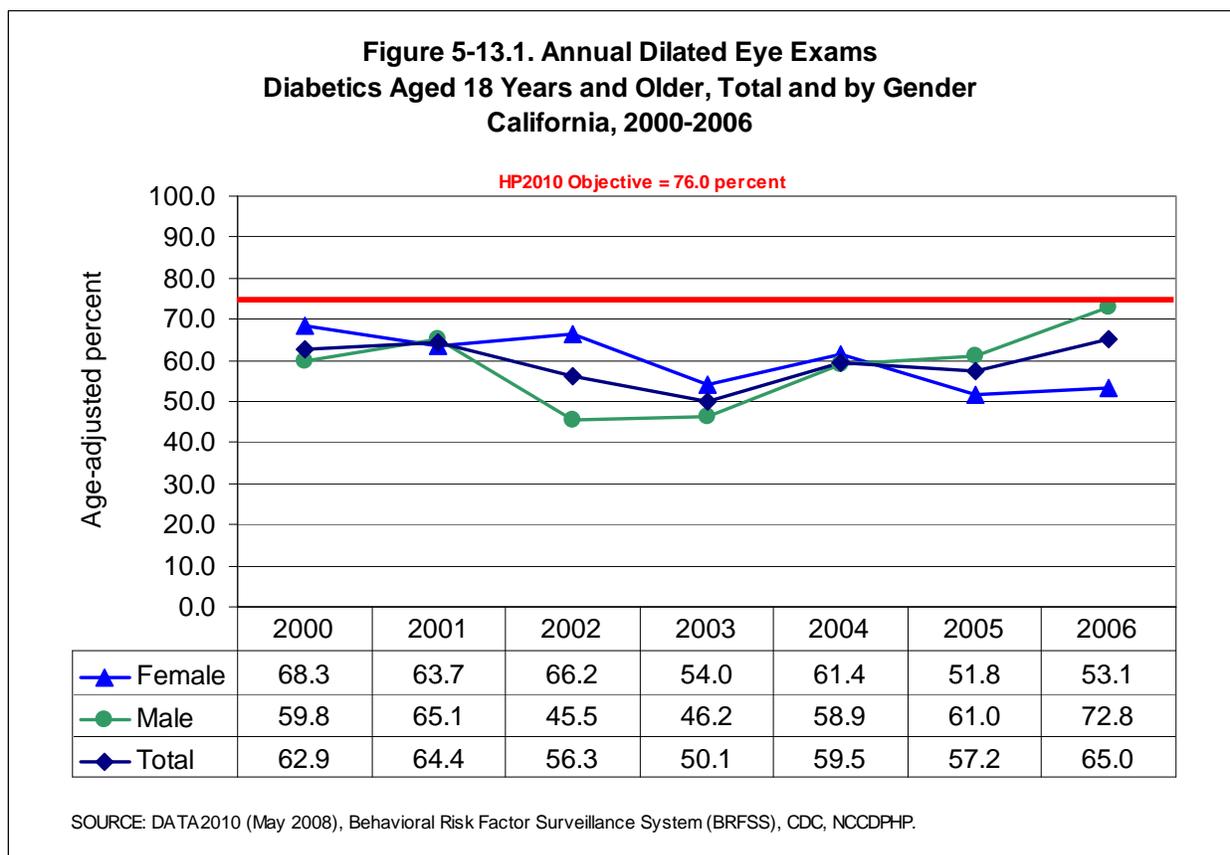


Focus Area 5: Diabetes

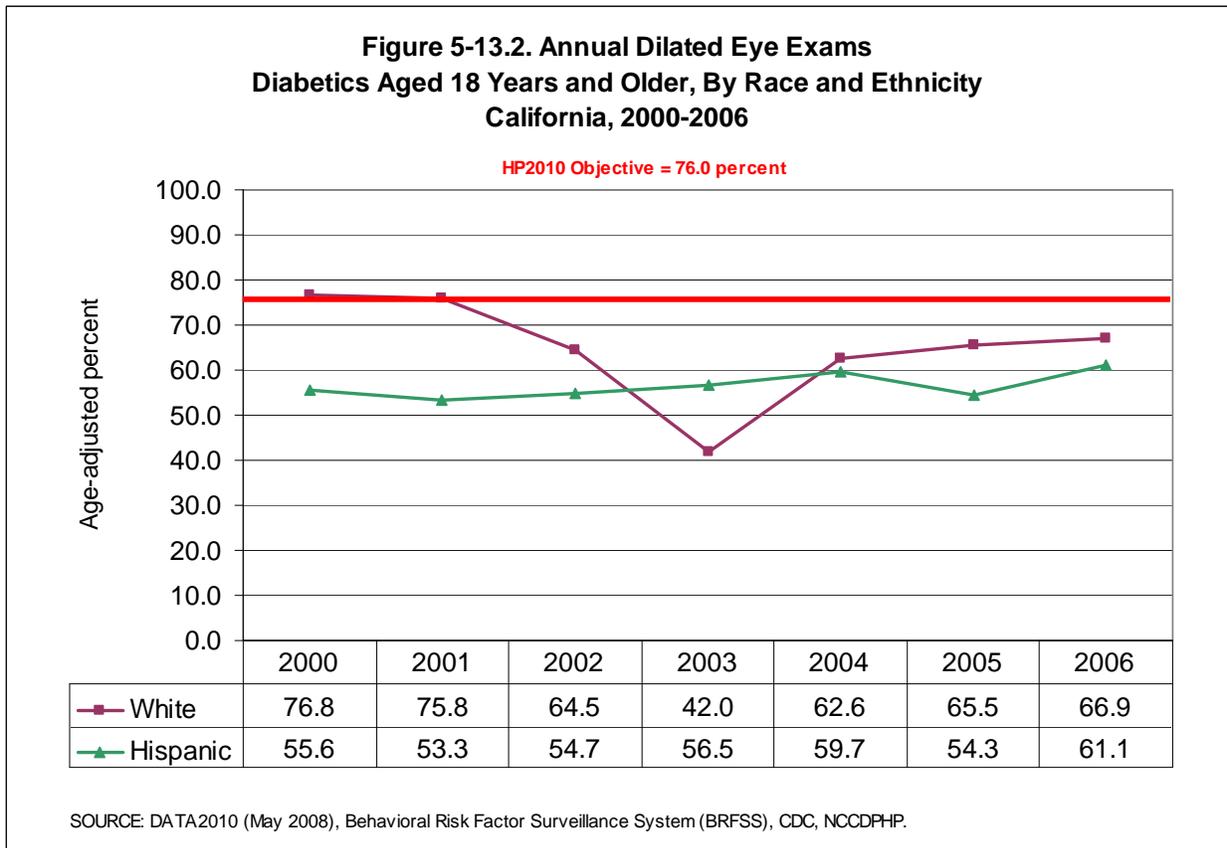
Objective 5-13. Increase the proportion of adults with diabetes who have an annual dilated eye examination. Target = 76.0 percent (age-adjusted, ages 18 years and older) [State Data Source: Behavioral Risk Factor Surveillance System (BRFSS), CDC, NCCDPHP]

The proportion of Californians aged 18 years and older who reported that they had ever been told by a doctor that they had diabetes and also reported that they had a dilated eye examination in the past year increased overall by 2.1 percentage points between 2000 and 2006 according to BRFSS data available in DATA2010 (**Figure 5-13.1, Table 5-13**). This HP2010 objective was not being achieved for the total population as of 2006, and no significant trend was found in the data.



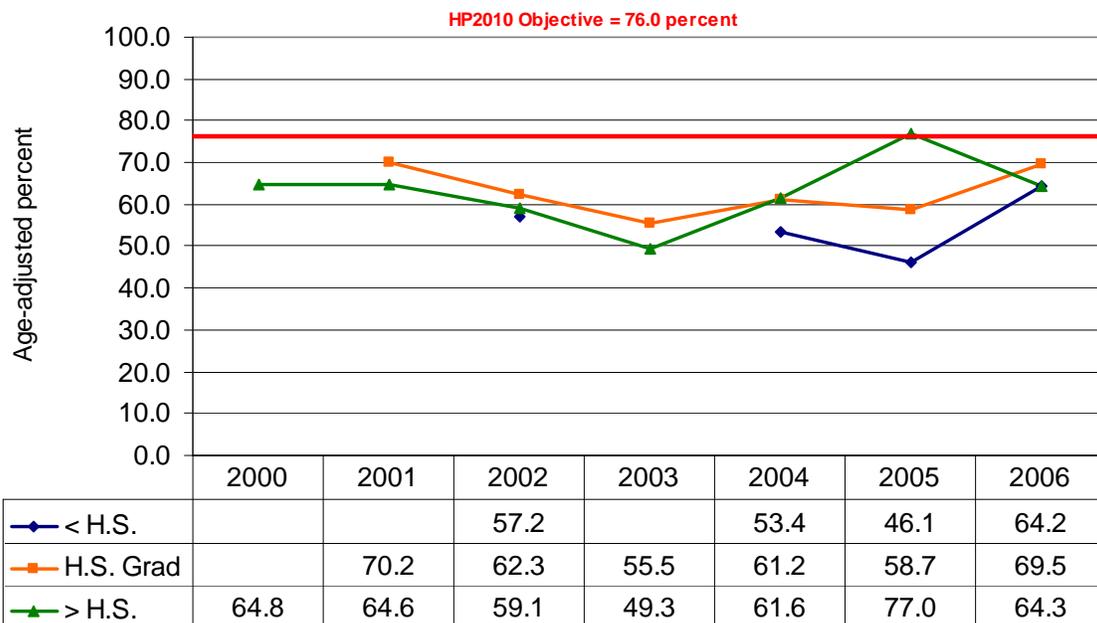
Rates of adult diabetics receiving annual dilated eye exams increased overall for males (from 59.8 percent in 2000 to 72.8 percent in 2006), but decreased for females (from 68.3 percent in 2000 to 53.1 percent in 2006) (**Figure 5-13.1, Table 5-13**). Gender disparity in rates increased from 8.5 percentage points in 2000 to 19.7 percentage points in 2006. This HP2010 objective was not being achieved for either gender as of 2006, and no significant trends were found in the data.

California data by race and ethnicity were reliable only for Whites and for Hispanics or Latinos (**Figure 5-13.2, Table 5-13**). The proportion of White diabetics who had received annual dilated eye exams declined by nearly 10.0 percentage points from 76.8 percent in 2000 to 66.9 percent in 2006, while for Hispanics or Latinos the proportion increased by 5.5 percentage points from 55.6 percent in 2000 to 61.1 percent in 2006. This HP2010 objective was not being achieved for either population, and no significant trends were found in the data.



Data by education level (**Figure 5-13.3, Table 5-13**) show the proportions of diabetics aged 25 years and over who received annual dilated eye exams was greatest for those who were high school graduates (69.5 percent in 2006), compared with those with less than a high school education (64.2 percent in 2006) and those with at least some college education (64.3 percent in 2006). Data for some educational levels and for some years were unreliable and not presented here. No statistically significant trends were found for groups having a sufficient number of data points for performing trend analysis. The HP2010 objective was not being achieved for Californians of any educational level as of 2006.

**Figure 5-13.3. Annual Dilated Eye Exams
Diabetics Aged 25 Years and Older, By Educational Status
California, 2000-2006**



SOURCE: DATA2010 (May 2008), Behavioral Risk Factor Surveillance System (BRFSS), CDC, NCCDPHP.

Table 5-13. Persons with Diabetes Who Had Annual Dilated Eye Examinations, Ages 18 Years and Older, California, 2000-2006

	2000			2001			2002			2003		
	Percent ¹	Lower 95% C.I.	Upper 95% C.I.	Percent ¹	Lower 95% C.I.	Upper 95% C.I.	Percent ¹	Lower 95% C.I.	Upper 95% C.I.	Percent ¹	Lower 95% C.I.	Upper 95% C.I.
Statewide Total	62.9	50.7	75.1	64.4	55.2	73.6	56.3	45.9	66.7	50.1	42.1	58.1
Gender												
Male	59.8	41.8	77.8	65.1	51.0	79.2	45.5	30.8	60.2	46.2	35.6	56.8
Female	68.3	55.0	81.6	63.7	51.7	75.7	66.2	53.7	78.7	54.0	41.7	66.3
Race-Ethnicity												
American Indian or Alaska Native (AIAN)	DSU	-----	-----									
Asian or Pacific Islander (PI)	DSU	-----	-----									
Black or African American	DSU	-----	-----									
Hispanic or Latino	55.6	37.8	73.4	53.3	37.4	69.2	54.7	38.6	70.8	56.5	41.1	66.9
Multiracial (2 or more races)	DNC	-----	-----	DSU	-----	-----	DSU	-----	-----	DSU	-----	-----
White	76.8	63.5	90.1	75.8	62.9	88.7	64.5	49.0	80.0	42.0	31.4	52.6
Education Level²												
Less than high school	DSU	-----	-----	DSU	-----	-----	57.2	40.3	74.1	DSU	-----	-----
High school graduate	DSU	-----	-----	70.2	56.1	84.3	62.3	38.2	71.2	55.5	43.4	69.6
At least some college	64.8	49.9	79.7	64.6	51.5	77.7	59.1	45.4	72.8	49.3	39.1	59.5

	2004			2005			2006		
	Percent ¹	Lower 95% C.I.	Upper 95% C.I.	Percent ¹	Lower 95% C.I.	Upper 95% C.I.	Percent ¹	Lower 95% C.I.	Upper 95% C.I.
Statewide Total	59.5	49.9	69.1	57.2	47.0	67.4	65.0	56.0	74.0
Gender									
Male	58.9	44.6	73.2	61.0	45.7	76.3	72.8	63.2	82.4
Female	61.4	49.4	73.4	51.8	41.4	62.2	53.1	42.7	63.5
Race-Ethnicity									
American Indian or Alaska Native (AIAN)	DSU	-----	-----	DSU	-----	-----	DSU	-----	-----
Asian or Pacific Islander (PI)	DSU	-----	-----	DSU	-----	-----	DSU	-----	-----
Black or African American	DSU	-----	-----	DSU	-----	-----	DSU	-----	-----
Hispanic or Latino	59.7	43.4	76.0	54.3	39.4	69.2	61.1	46.8	75.4
Multiracial (2 or more races)	DSU	-----	-----	DSU	-----	-----	DSU	-----	-----
White	62.6	50.1	75.1	65.5	50.0	81.0	66.9	54.2	79.6
Education Level²									
Less than high school	53.4	32.2	74.6	46.1	37.1	55.1	64.2	44.4	84.0
High school graduate	61.2	42.2	80.2	58.7	44.4	73.0	69.5	57.3	81.7
At least some college	61.6	51.0	72.2	77.0	67.6	86.4	64.3	52.9	75.7

SOURCES: DATA2010 (May 2008 Edition), Behavioral Risk Factor Surveillance System, (BRFSS), CDC, National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP).

NOTES: ¹ Age-adjusted by the direct method using the 2000 U.S. Standard Population; ² Data for persons aged 25 years and older. DSU = Data Statistically Unreliable; data do not meet criteria for statistical reliability, data quality, or confidentiality. DNC = Data Not Collected.

For more information on diabetes, visit the CDPH Diabetes Program Web site at: <http://www.cdph.ca.gov/programs/diabetes/Pages/default.aspx>

For more information on Healthy People 2010 objective 5-13, please visit: <http://www.healthypeople.gov/Document/HTML/Volume1/05Diabetes.htm>

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