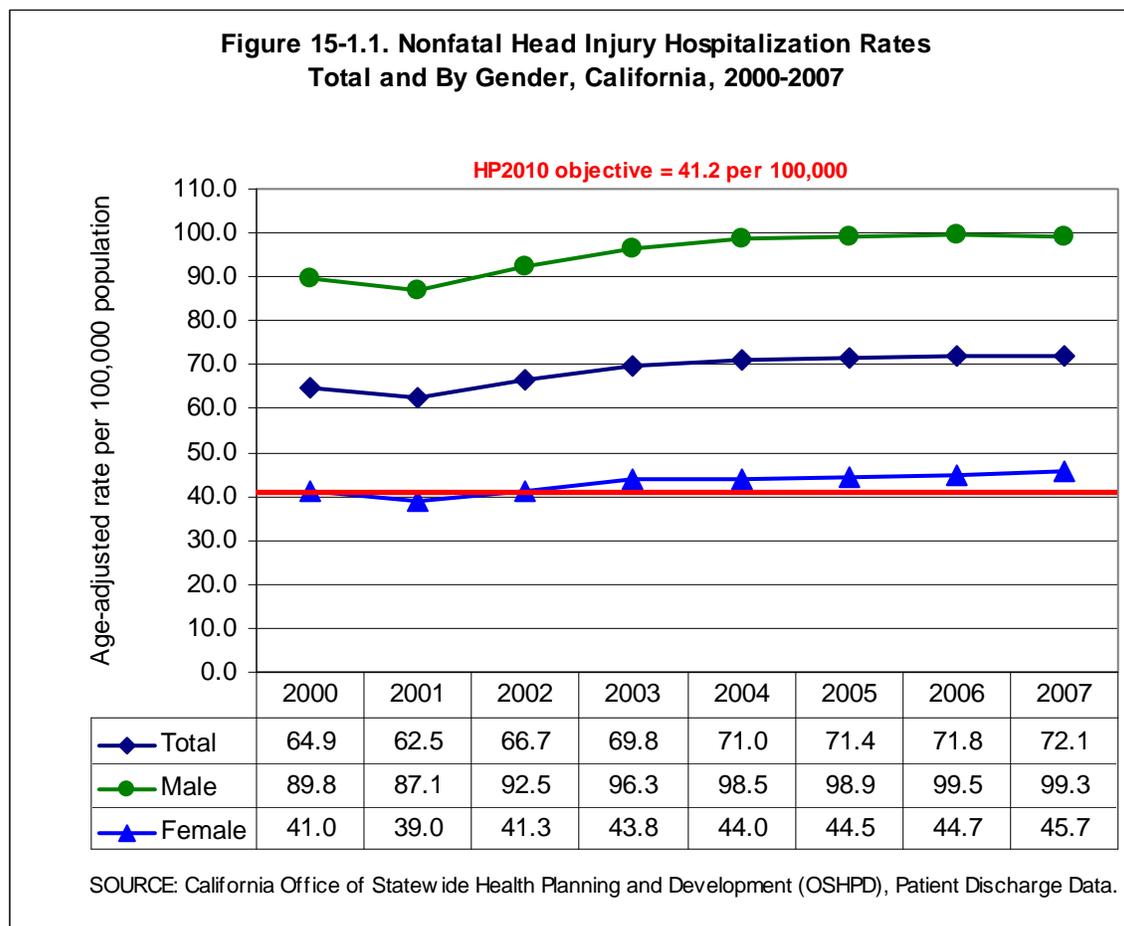


Focus Area 15: Injury and Violence Prevention

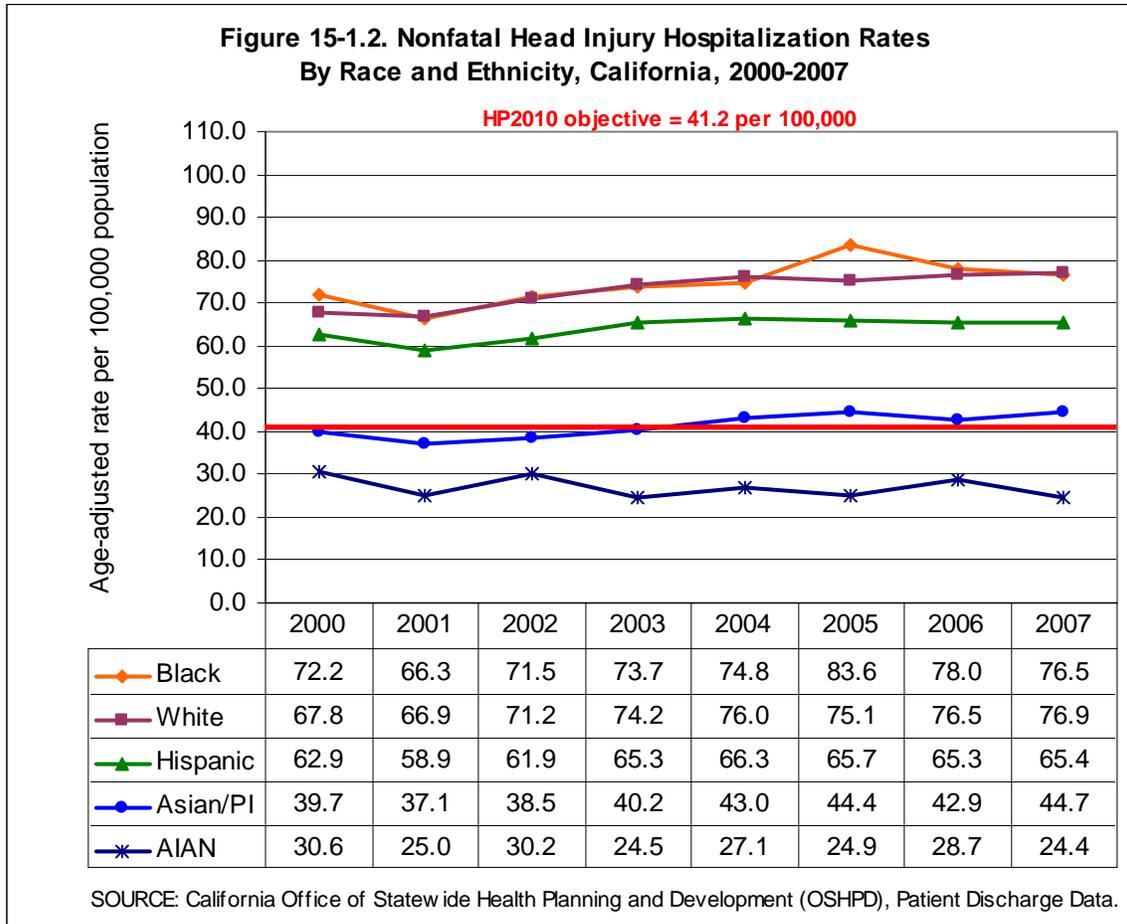
Objective 15-1. Reduce hospitalizations for nonfatal head injuries. Target = 41.2 per 100,000 population (age-adjusted) [State Data Source: California Office of Statewide Health Planning and Development (OSHPD), Patient Discharge Data]

Hospital discharge data indicate a significant increase in age-adjusted rates for nonfatal head injuries among California residents from 64.9 per 100,000 in 2000 to 72.1 per 100,000 in 2007 (**Figure 15-1.1, Table 15-1**). These rates were significantly higher than the HP2010 objective, and increasing away from the target of 41.2 per 100,000 population.



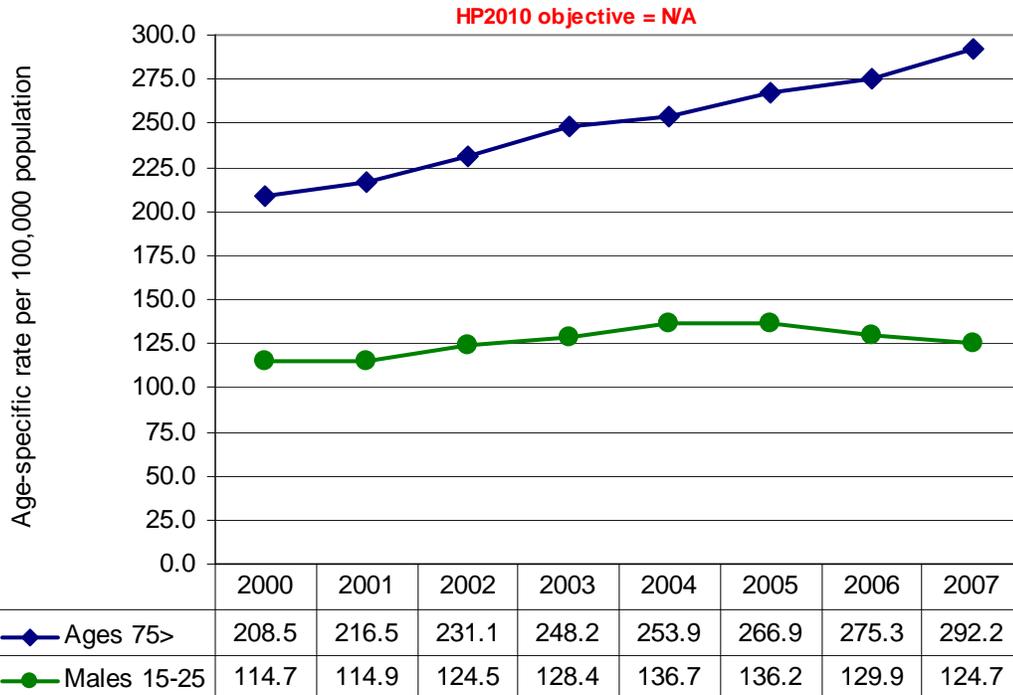
Nonfatal head injury hospitalization rates for males (99.3 per 100,000 in 2007) were more than double the rates for females (45.7 per 100,000 in 2007), and significantly higher than the HP2010 objective (**Figure 15-1.1, Table 15-1**). This HP2010 objective was not being achieved for either gender as of 2007, and rates were moving away from the target.

Examined by race and ethnicity (**Figure 15-1.2, Table 15-1**), the highest nonfatal head injury hospitalization rates were found for Blacks or African Americans (significant increase from 72.2 per 100,000 in 2000 to 83.6 per 100,000 in 2005, then a decline to 76.5 per 100,000 in 2007), followed by Whites (significant increase from 67.8 per 100,000 in 2000 to 76.9 per 100,000 in 2007), Hispanics or Latinos (65.4 per 100,000 in 2007, with no significant trend), and Asians or Pacific Islanders (PI) (significant increase from 39.7 per 100,000 in 2000 to 44.7 per 100,000 in 2007). Rates for American Indians or Alaska Natives (AIAN) were significantly lower than the HP2010 target, and this objective was being achieved only for the AIAN population.



Selected populations of persons aged 75 years and over and males aged 15-25 years did not have a HP2010 target specified for them (**Figures 15-1.3, Table 15-1**). Nonfatal head injury hospitalization rates were found to be increasing significantly for the 75 years and older age group, from 208.5 per 100,000 in 2000 to 292.2 per 100,000 in 2007. No significant trend was found in the rates for males aged 15-25 years.

**Figure 15-1.3. Nonfatal Head Injury Hospitalization Rates
Selected Age and Gender Populations, California, 2000-2007**



SOURCE: California Office of Statewide Health Planning and Development (OSHPD), Patient Discharge Data.

For more information on nonfatal head injuries in California, visit the CDPH Epidemiology and Prevention for Injury Control (EPIC) Web site at:

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

For more information on Healthy People 2010 objective 15-1, please visit:

<http://www.healthypeople.gov/Document/HTML/Volume2/15Injury.htm>

and the Data2010 Web site at: <http://wonder.cdc.gov/data2010/>

Table 15-1. Nonfatal Head Injury Hospitalization Rates, California 2000-2007

Objective 15-1	2000		Lower C.I.	Upper C.I.	2001		Lower C.I.	Upper C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target	41.2				41.2			
Statewide Total	21,467	64.9	64.0	65.8	21,068	62.5	61.7	63.4
Race-Ethnicity								
American Indian or Alaska Native (AIAN)	54	30.6	22.4	38.7	46	25.0	17.8	32.2
Asian or Pacific Islander (PI)	1,329	39.7	37.6	41.9	1,316	37.1	35.1	39.1
Black or African American	1,548	72.2	68.6	75.8	1,425	66.3	62.9	69.8
Hispanic or Latino	5,993	62.9	61.3	64.5	5,742	58.9	57.4	60.4
White	11,259	67.8	66.5	69.0	11,233	66.9	65.7	68.2
Gender								
Female	7,036	41.0	40.0	41.9	6,837	39.0	38.0	39.9
Male	14,431	89.8	88.3	91.3	14,230	87.1	85.7	88.6
Selected Populations²								
Males aged 15-25	3,188	114.7	110.7	118.6	3,221	114.9	110.9	118.8
Persons aged 75 and over	3,597	208.5	201.7	215.3	3,838	216.5	209.6	223.3

Objective 15-1	2002		Lower C.I.	Upper C.I.	2003		Lower C.I.	Upper C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target	41.2				41.2			
Statewide Total	22,831	66.7	65.8	67.5	24,379	69.8	68.9	70.7
Race-Ethnicity								
American Indian or Alaska Native (AIAN)	55	30.2	22.2	38.1	54	24.5	18.0	31.1
Asian or Pacific Islander (PI)	1,399	38.5	36.5	40.5	1,541	40.2	38.2	42.2
Black or African American	1,556	71.5	68.0	75.1	1,610	73.7	70.1	77.4
Hispanic or Latino	6,286	61.9	60.4	63.4	6,770	65.3	63.7	66.9
White	12,104	71.2	69.9	72.5	12,748	74.2	72.9	75.4
Gender								
Female	7,379	41.3	40.3	42.2	8,001	43.8	42.9	44.8
Male	15,450	92.5	91.1	94.0	16,375	96.3	94.9	97.8
Selected Populations²								
Males aged 15-25	3,527	124.5	120.4	128.7	3,697	128.4	124.2	132.5
Persons aged 75 and over	4,201	231.1	224.1	238.1	4,619	248.2	241.0	255.3

Objective 15-1	2004		Lower C.I.	Upper C.I.	2005		Lower C.I.	Upper C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target	41.2				41.2			
Statewide Total	25,225	71.0	70.1	71.9	25,718	71.4	70.5	72.3
Race-Ethnicity								
American Indian or Alaska Native (AIAN)	53	27.1	19.8	34.4	57	24.9	18.5	31.4
Asian or Pacific Islander (PI)	1,708	43.0	41.0	45.0	1,822	44.4	42.4	46.5
Black or African American	1,665	74.8	71.2	78.4	1,842	83.6	79.8	87.4
Hispanic or Latino	7,197	66.3	64.8	67.8	7,284	65.7	64.2	67.2
White	13,178	76.0	74.7	77.3	13,145	75.1	73.8	76.4
Gender								
Female	8,180	44.0	43.1	45.0	8,405	44.5	43.5	45.4
Male	17,040	98.5	97.1	100.0	17,313	98.9	97.5	100.4
Selected Populations²								
Males aged 15-25	4,023	136.7	132.4	140.9	4,115	136.2	132.0	140.3
Persons aged 75 and over	4,821	253.9	246.7	261.1	5,142	266.9	259.6	274.2

Objective 15-1	2006		Lower C.I.	Upper C.I.	2007		Lower C.I.	Upper C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target	41.2				41.2			
Statewide Total	26,226	71.8	71.0	72.7	26,713	72.1	71.3	73.0
Race-Ethnicity								
American Indian or Alaska Native (AIAN)	61	28.7	21.5	35.9	55	24.4	18.0	30.9
Asian or Pacific Islander (PI)	1,807	42.9	40.9	44.9	1,938	44.7	42.7	46.7
Black or African American	1,723	78.0	74.3	81.7	1,700	76.5	72.9	80.2
Hispanic or Latino	7,390	65.3	63.8	66.8	7,574	65.4	63.9	66.8
White	13,480	76.5	75.2	77.8	13,743	76.9	75.6	78.2
Gender								
Female	8,572	44.7	43.8	45.7	8,896	45.7	44.7	46.6
Male	17,646	99.5	98.0	100.9	17,810	99.3	97.9	100.8
Selected Populations²								
Males aged 15-25	4,040	129.9	125.9	133.9	3,973	124.7	120.9	128.6
Persons aged 75 and over	5,363	275.3	267.9	282.7	5,740	292.2	284.6	299.7

SOURCES: CA Office of Statewide Health Planning and Development, Patient Discharge Data; CA Department of Finance, Demographic Research Unit, *Race/Ethnic Population with Age and Sex Detail, 2000-2050*, July 2007.

NOTES: * ICD-9-CM codes 800-801, 803-804, 850-854, 870-873, and 925 as a Principal Diagnosis.

¹ Rate per 100,000 population, age-adjusted using the 2000 US Standard Population.

² Age- and sex-specific rate for males aged 15-25; age-specific rate for persons aged 75 and over.