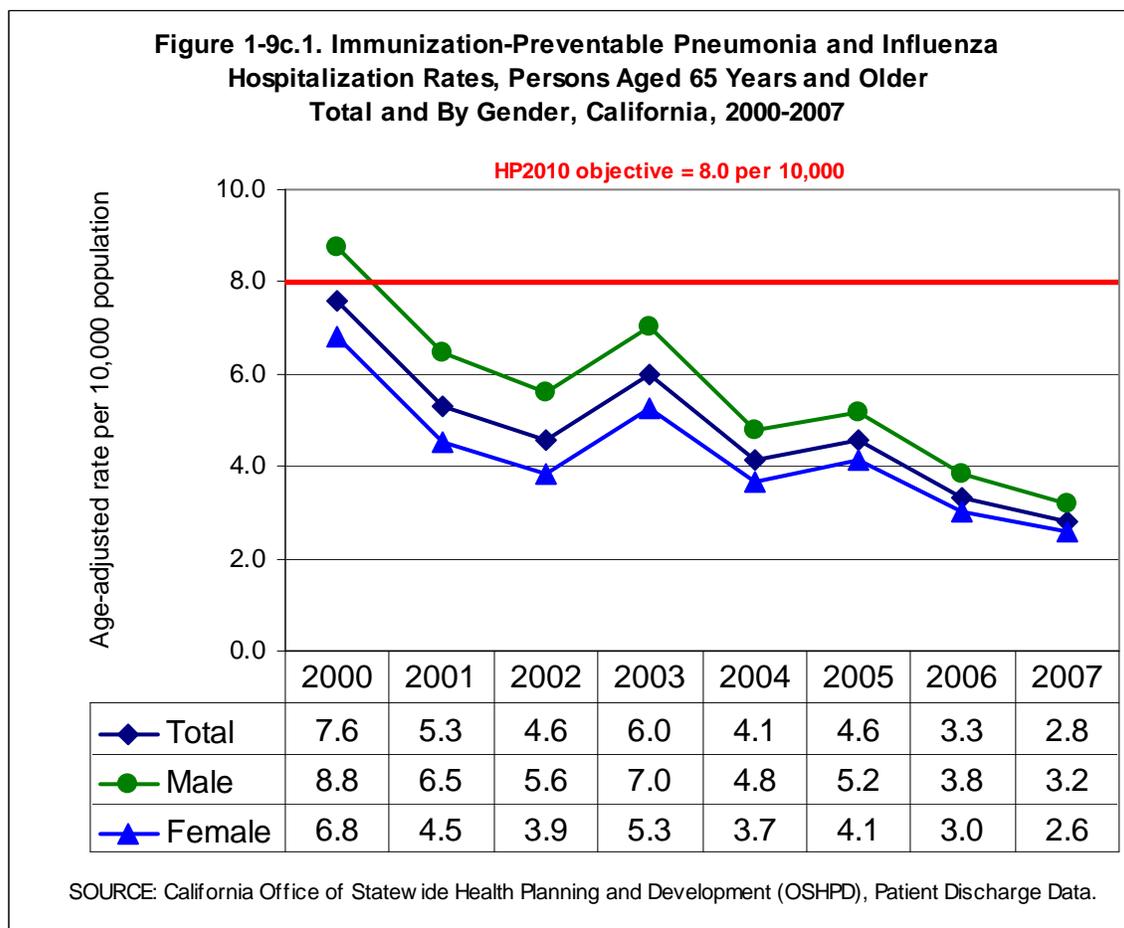


Focus Area 1: Access to Quality Health Services

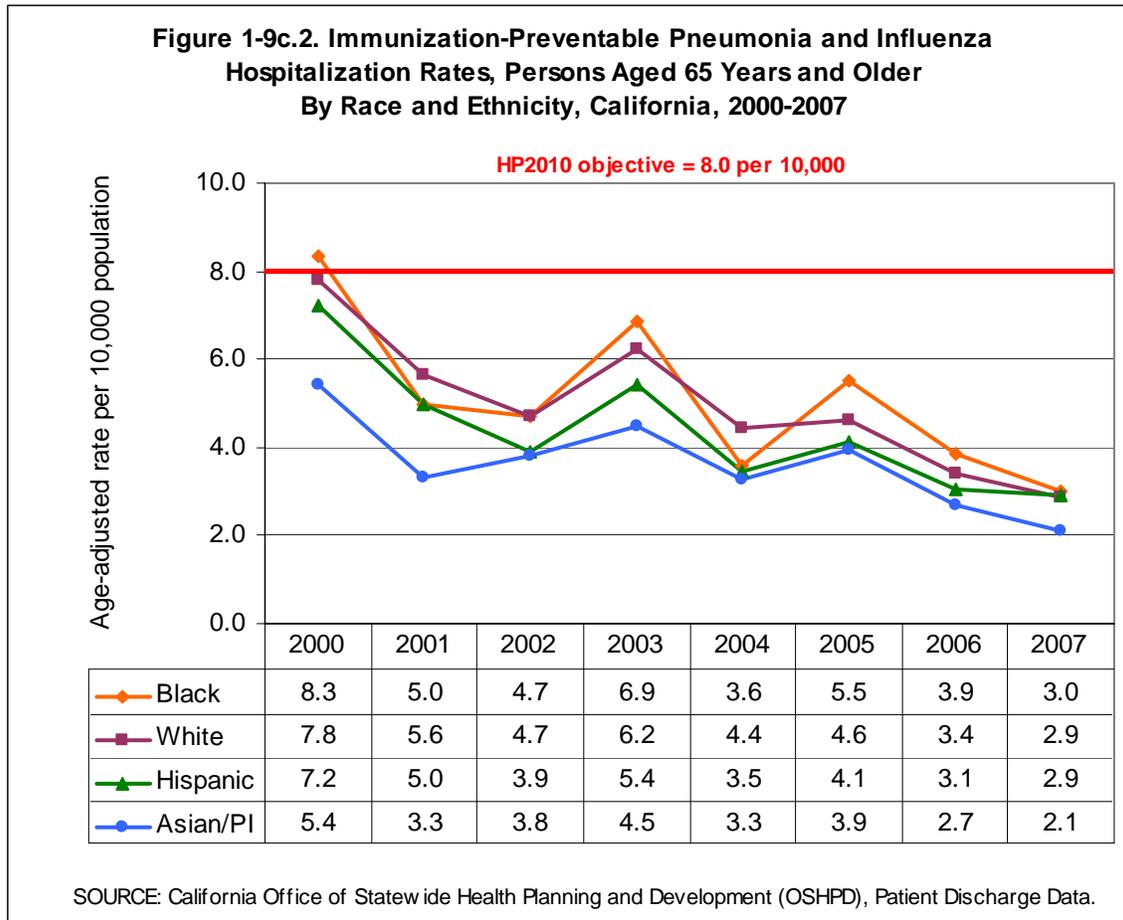
Objective 1-9c: Immunization-preventable pneumonia and influenza. Target = 8.0 per 10,000 population aged 65 years and older (age-adjusted) [State Data Source: California Office of Statewide Health Planning and Development (OSHPD), Patient Discharge Data]

Hospital discharge data for California residents aged 65 years and older with a principal diagnosis of pneumonia or influenza declined significantly from an age-adjusted rate of 7.6 hospitalizations per 10,000 population in 2000 to 2.8 per 10,000 in 2007 (**Figure 1-9c.1, Table 1-9c**). This HP2010 objective was being achieved for the total population (all races, both sexes) aged 65 years and older since 2000.



Immunization-preventable pneumonia and influenza hospitalization rates for males aged 65 and older (3.2 per 10,000 in 2007) were significantly higher than rates for females (2.6 per 10,000 in 2007) (**Figure 1-9c.1, Table 1-9c**). Significant declines were found for both genders, and this HP2010 objective was being achieved for both genders.

Examined by race and ethnicity (**Figure 1-9c.2, Table 1-9c**), the highest pneumonia and influenza hospitalization rates for persons aged 65 years and older were found for Blacks or African Americans (3.0 per 10,000 in 2007), followed by Whites (2.9 per 10,000 in 2007), Hispanics or Latinos (2.9 per 10,000 in 2007), and Asians or Pacific Islanders (PI) (2.1 per 10,000 in 2007). The HP2010 objective was being achieved for all of these racial and ethnic populations, but it remains unknown if the objective will be achieved for American Indians or Alaska Natives (AIAN) due to the small number of events that occur annually.



For more information on Healthy People 2010 objective 1-9c, please visit:
<http://www.healthypeople.gov/Document/HTML/Volume1/01Access.htm>
 the DATA2010 Web site at: <http://wonder.cdc.gov/data2010/>
 the CDPH Immunization Branch Web site at:
<http://www.cdph.ca.gov/programs/immunize/Pages/default.aspx>
 and the Preventive Health Care for Adults Program Web site at:
<http://www.cdph.ca.gov/programs/Pages/PHCAHome.aspx>

Table 1-9c. Immunization-Preventable Pneumonia and Influenza Hospitalization Rates Among Persons Aged 65 Years and Older, California, 2000-2007

Objective 1-9c	2000		Lower C.I.	Upper C.I.	2001		Lower C.I.	Upper C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target	8.0				8.0			
Statewide Total	2,746	7.6	7.3	7.9	1,960	5.3	5.1	5.5
Race-Ethnicity								
American Indian/Alaska Native (AIAN)	6	DSU	-----	-----	7	DSU	-----	-----
Asian/Pacific Islander (PI)	185	5.4	4.7	6.2	124	3.3	2.8	3.9
Black/African American	146	8.3	7.0	9.7	90	5.0	3.9	6.0
Hispanic/Latino	316	7.2	6.4	8.0	234	5.0	4.4	5.6
White	2,038	7.8	7.5	8.2	1,474	5.6	5.4	5.9
Gender								
Female	1,458	6.8	6.5	7.2	986	4.5	4.3	4.8
Male	1,288	8.8	8.3	9.2	974	6.5	6.1	6.9

Objective 1-9c	2002		Lower C.I.	Upper C.I.	2003		Lower C.I.	Upper C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target	8.0				8.0			
Statewide Total	1,720	4.6	4.3	4.8	2,313	6.0	5.8	6.2
Race-Ethnicity								
American Indian/Alaska Native (AIAN)	4	DSU	-----	-----	7	DSU	-----	-----
Asian/Pacific Islander (PI)	152	3.8	3.2	4.4	189	4.5	3.9	5.1
Black/African American	87	4.7	3.7	5.7	128	6.9	5.7	8.1
Hispanic/Latino	202	3.9	3.4	4.4	296	5.4	4.8	6.0
White	1,232	4.7	4.5	5.0	1,640	6.2	5.9	6.5
Gender								
Female	852	3.9	3.6	4.1	1,194	5.3	5.0	5.6
Male	868	5.6	5.2	6.0	1,119	7.0	6.6	7.5

Objective 1-9c	2004		Lower C.I.	Upper C.I.	2005		Lower C.I.	Upper C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target	8.0				8.0			
Statewide Total	1,623	4.1	3.9	4.3	1,819	4.6	4.3	4.8
Race-Ethnicity								
American Indian/Alaska Native (AIAN)	1	DSU	-----	-----	5	DSU	-----	-----
Asian/Pacific Islander (PI)	145	3.3	2.7	3.8	184	3.9	3.4	4.5
Black/African American	68	3.6	2.7	4.4	106	5.5	4.5	6.5
Hispanic/Latino	201	3.5	3.0	3.9	250	4.1	3.6	4.6
White	1,172	4.4	4.2	4.7	1,229	4.6	4.4	4.9
Gender								
Female	846	3.7	3.4	3.9	967	4.1	3.9	4.4
Male	777	4.8	4.4	5.1	852	5.2	4.8	5.5

Objective 1-9c	2006		Lower C.I.	Upper C.I.	2007		Lower C.I.	Upper C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target	8.0				8.0			
Statewide Total	1,346	3.3	3.2	3.5	1,156	2.8	2.7	3.0
Race-Ethnicity								
American Indian/Alaska Native (AIAN)	4	DSU	-----	-----	2	DSU	-----	-----
Asian/Pacific Islander (PI)	131	2.7	2.2	3.1	110	2.1	1.7	2.5
Black/African American	77	3.9	3.0	4.7	62	3.0	2.3	3.8
Hispanic/Latino	198	3.1	2.6	3.5	193	2.9	2.5	3.3
White	898	3.4	3.2	3.6	762	2.9	2.7	3.1
Gender								
Female	700	3.0	2.8	3.2	610	2.6	2.4	2.8
Male	646	3.8	3.5	4.1	546	3.2	2.9	3.5

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

NOTES: * ICD-9-CM codes 481 or 487 as a Principal Diagnosis.

¹ Age-adjusted rate per 10,000 population aged 65 years and older; age adjusted by the direct method using 2000 U.S. standard population.

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