

Table 3.15
Cancer of the Brain And Other Nervous System (Invasive)

SEER Incidence and U.S. Mortality
Age-Adjusted Rates and Trends^a
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas ^b			SEER 13 Areas ^b			SEER 9 Areas ^b		
	Rate 2004-2008			Trend 1999-2008 ^c			Trend 1999-2008 ^d		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	6.5	7.7	5.4	-0.3*	-0.4*	-0.2	-0.3*	-0.5*	-0.2
White	7.1	8.4	5.9	-0.1	-0.3	-0.1	-0.1	-0.4*	-0.1
White Hispanic ^e	5.5	6.3	4.8	-0.2	0.2	-0.7	-	-	-
White Non-Hispanic ^e	7.5	9.0	6.2	0.0	-0.2	0.2	-	-	-
Black	3.9	4.6	3.5	-0.3	-0.3	-0.2	0.1	-0.2	0.5
Asian/Pacific Islander	3.5	4.0	3.2	-0.4	-0.6	-0.2	-	-	-
Amer Ind/Alaska Nat ^f	3.7	3.8	3.6	-	-	-	-	-	-
Hispanic ^e	5.3	6.0	4.6	-0.1	0.3	-0.5	-	-	-
<u>U.S. Mortality^g</u>									
	Rate 2004-2008			Trend 1999-2008 ^h					
	Rate per 100,000 persons			AAPC (%)					
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females			
All Races	4.3	5.2	3.5	-0.9*	-0.9*	-1.0*			
White	4.6	5.6	3.8	-0.8*	-0.8*	-0.9*			
White Hispanic ^e	2.9	3.4	2.5	-0.2	-0.5	0.1			
White Non-Hispanic ^e	4.8	5.8	3.9	-0.7*	-0.7*	-0.8*			
Black	2.5	3.1	2.0	-1.0*	-0.8*	-1.1*			
Asian/Pacific Islander	1.9	2.4	1.6	-0.2	0.7	-1.2			
Amer Ind/Alaska Nat									
Total U.S.	1.9	2.3	1.5	0.2	-0.1	-			
CHSDA Counties	2.4	2.9	1.9	6.0	-	-			
Non-CHSDA Counties	1.3	1.5	1.1	-	-	-			
Hispanic ^e	2.8	3.2	2.4	-0.2	-0.6	0.2			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends

are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

c The 1999-2008 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2008.

d The 1999-2008 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2008.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2004-2008 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia and North Dakota.

The 1999-2008 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

f Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

g US Mortality Files, National Center for Health Statistics, CDC.

h The 1999-2008 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2008.

* The APC is significantly different from zero (p<.05).