

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

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

SEER Incidence	SEER 18 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2009-2013			Trend 2004-2013 <sup>c</sup>			Trend 2004-2013 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	6.4	7.6	5.4	-0.3*	-0.4*	-0.2	-0.2*	-0.4*	-0.1
White	7.1	8.3	6.0	-0.1	-0.3*	-0.1	-0.1	-0.3*	0.0
White Hispanic <sup>e</sup>	5.2	6.0	4.5	-1.6*	-0.2	-0.9*	-	-	-
White Non-Hispanic <sup>e</sup>	7.6	9.0	6.4	0.1	-0.1	0.2*	-	-	-
Black	4.1	4.9	3.6	0.0	0.2	-0.1	0.2	0.0	0.5*
Asian/Pacific Islander	3.7	4.3	3.1	-0.2	-0.2	-0.3	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	3.2	3.9	2.5	-5.5	0.1	-	-	-	-
Hispanic <sup>e</sup>	4.9	5.7	4.3	-1.8*	-2.4*	-0.9*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY	Rate 2009-2013			Trend 2004-2013 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	4.3	5.3	3.5	0.0	0.0	0.0			
White	4.7	5.7	3.8	0.1	0.1	0.1			
White Hispanic <sup>e</sup>	3.1	3.6	2.6	0.2	0.1	0.2			
White Non-Hispanic <sup>e</sup>	4.9	6.0	4.0	0.3	0.2	0.2			
Black	2.5	3.1	2.1	-0.7*	-0.5*	-0.8*			
Asian/Pacific Islander	2.0	2.4	1.7	0.2	0.5	-0.1			
Amer Ind/Alaska Nat									
Total U.S.	2.0	2.3	1.7	0.2	-0.1	0.6			
CHSDA Counties	2.4	3.0	1.8	1.2	1.6	1.0			
Non-CHSDA Counties	1.5	1.5	1.5	-1.4	-2.8	-0.1			
Hispanic <sup>e</sup>	2.9	3.4	2.4	0.0	-0.1	0.1			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.3.0.0, April 2016, 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 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2004-2013 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1992-2013.

d The 2004-2013 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2013.

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 2004-2013 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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 2004-2013 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2013.

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