

Table 3.2
Cancer of the Brain and Other Nervous System (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2007 With up to Four Joinpoints, 1992-2007 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1998-2007	2003-2007
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2007</u>												
All Races	1975-1989	1.2*	1989-2007	-0.4*							-0.4*	-0.4*
White	1975-1991	1.2*	1991-2007	-0.4							-0.4	-0.4
Black	1975-2007	-0.1									-0.1	-0.1
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2007</u>												
All Races	1992-2007	-0.4*									-0.4*	-0.4*
White	1992-2007	-0.2									-0.2	-0.2
Black	1992-2007	-0.2									-0.2	-0.2
<u>SEER 9 Observed Incidence^a, 1975-2007</u>												
All Races	1975-1991	1.1*	1991-2007	-0.7*							-0.7*	-0.7*
White	1975-1991	1.2*	1991-2007	-0.5*							-0.5*	-0.5*
Black	1975-2007	-0.1									-0.1	-0.1
<u>SEER 13 Observed Incidence^b, 1992-2007</u>												
All Races	1992-2007	-0.6*									-0.6*	-0.6*
White	1992-2007	-0.4									-0.4*	-0.4*
White NH ^{ef}	1992-2007	-0.3									-0.3	-0.3
Black	1992-2007	-0.4									-0.4	-0.4
Black NH ^{ef}	1992-2007	-0.4									-0.4	-0.4
API ^e	1992-2007	-1.1									-1.1*	-1.1*
AI/AN ^{eg}	1992-2007	0.8									0.8	0.8
Hispanic ^f	1992-2007	0.4									0.4	0.4
<u>U.S. Cancer Mortality^c, 1975-2007</u>												
All Races	1975-1977	4.4	1977-1982	-0.4	1982-1991	1.3*	1991-2007	-1.0*			-1.0*	-1.0*
White	1975-1977	4.7	1977-1982	-0.3	1982-1991	1.4*	1991-2007	-0.9*			-0.9*	-0.9*
Black	1975-1990	0.7*	1990-2007	-0.9*							-0.9*	-0.9*
<u>U.S. Cancer Mortality^c, 1992-2007</u>												
All Races	1992-2007	-1.0*									-1.0*	-1.0*
White	1992-2007	-0.9*									-0.9*	-0.9*
White NH ^{ef}	1992-2007	-0.8*									-0.8*	-0.8*
Black	1992-2007	-1.0*									-1.0*	-1.0*
Black NH ^{ef}	1992-2007	-1.0*									-1.0*	-1.0*
API ^e	1992-2007	0.6									0.6	0.6
AI/AN ^{eg}	1992-2007	0.6									0.6	0.6
Hispanic ^f	1992-2007	-0.7									-0.7	-0.7

Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute. (<http://srab.cancer.gov/joinpoint/>).

The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^a Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

^b Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).

^c Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^d The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

^e API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic

^f 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 Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.

^g Data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

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

- Joinpoint regression line analysis could not be performed on data series.