

Table 8.2
Cancer of the Esophagus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2011 With up to Five Joinpoints, 1992-2011 With up to Three Joinpoints,
Males by Race/Ethnicity

	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2002-11	2007-11
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2011</u>														
All Races	1975-04	0.8*	2004-11	-1.3									-0.8	-1.3
White	1975-04	1.7*	2004-11	-0.5									0.0	-0.5
Black	1975-86	1.2	1986-11	-4.9*									-4.9*	-4.9*
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2011</u>														
All Races	1992-11	-0.1											-0.1	-0.1
White	1992-11	0.8*											0.8*	0.8*
Black	1992-11	-4.9*											-4.9*	-4.9*
<u>SEER 9 Observed Incidence^a, 1975-2011</u>														
All Races	1975-04	0.8*	2004-11	-1.4*									-0.9	-1.4*
White	1975-04	1.7*	2004-11	-0.6									-0.1	-0.6
Black	1975-86	1.2	1986-11	-4.9*									-4.9*	-4.9*
<u>SEER 13 Observed Incidence^b, 1992-2011</u>														
All Races	1992-11	-0.1											-0.1	-0.1
White	1992-11	0.8*											0.8*	0.8*
White NH ^{ef}	1992-01	2.3*	2001-11	0.1									0.1	0.1
Black	1992-11	-4.9*											-4.9*	-4.9*
Black NH ^{ef}	1992-11	-4.9*											-4.9*	-4.9*
API ^e	1992-11	-2.0*											-2.0*	-2.0*
AI/AN ^{eg}	1992-11	-2.6											-2.6	-2.6
Hispanic ^f	1992-11	-1.2*											-1.2*	-1.2*
<u>U.S. Cancer Mortality^c, 1975-2011</u>														
All Races	1975-85	0.7*	1985-94	1.2*	1994-05	0.4*	2005-11	-1.0*					-0.5*	-1.0*
White	1975-82	0.3	1982-99	1.9*	1999-05	1.0*	2005-11	-0.5*					0.0	-0.5*
Black	1975-84	0.8*	1984-93	-1.9*	1993-11	-4.7*							-4.7*	-4.7*
<u>U.S. Cancer Mortality^c, 1992-2011</u>														
All Races	1992-05	0.5*	2005-11	-1.1*									-0.6*	-1.1*
White	1992-05	1.4*	2005-11	-0.7*									0.0	-0.7*
White NH ^{ef}	1992-05	1.7*	2005-08	-1.5	2008-11	0.4							0.2	-0.1
Black	1992-11	-4.6*											-4.6*	-4.6*
Black NH ^{ef}	1992-11	-4.5*											-4.5*	-4.5*
API ^e	1992-11	-2.0*											-2.0*	-2.0*
AI/AN ^{eg}	1992-08	2.2*	2008-11	-17.3									-4.8	-12.8
Hispanic ^f	1992-11	-0.7*											-0.7*	-0.7*

Joinpoint Regression Program Version 4.1.0, April 2014, National Cancer Institute. (<http://surveillance.cancer.gov/joinpoint/>).
^a The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
^b Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
^c Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
^d Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
^e The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
^f API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
 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.
^g The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
^{*} 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.