

Table 8.3  
Cancer of the Esophagus (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program,  
1975-2011 With up to Five Joinpoints, 1992-2011 With up to Three Joinpoints,  
Females by Race/Ethnicity

	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC <sup>d</sup>	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2002-11	2007-11
<u>SEER 9 Delay-Adjusted Incidence<sup>a</sup>, 1975-2011</u>														
All Races	1975-11	-0.5*											-0.5*	-0.5*
White	1975-11	0.0											0.0	0.0
Black	1975-80	10.9	1980-11	-2.9*									-2.9*	-2.9*
<u>SEER 13 Delay-Adjusted Incidence<sup>b</sup>, 1992-2011</u>														
All Races	1992-11	-1.1*											-1.1*	-1.1*
White	1992-11	-0.4											-0.4	-0.4
Black	1992-11	-3.9*											-3.9*	-3.9*
<u>SEER 9 Observed Incidence<sup>a</sup>, 1975-2011</u>														
All Races	1975-11	-0.5*											-0.5*	-0.5*
White	1975-11	0.0											0.0	0.0
Black	1975-80	10.9	1980-11	-2.9*									-2.9*	-2.9*
<u>SEER 13 Observed Incidence<sup>b</sup>, 1992-2011</u>														
All Races	1992-11	-1.1*											-1.1*	-1.1*
White	1992-11	-0.5											-0.5	-0.5
White NH <sup>ef</sup>	1992-11	-0.3											-0.3	-0.3
Black	1992-11	-4.0*											-4.0*	-4.0*
Black NH <sup>ef</sup>	1992-11	-4.0*											-4.0*	-4.0*
API <sup>e</sup>	1992-11	-0.1											-0.1	-0.1
AI/AN <sup>eg</sup>	-	-											-	-
Hispanic <sup>f</sup>	1992-11	-1.1											-1.1	-1.1
<u>U.S. Cancer Mortality<sup>c</sup>, 1975-2011</u>														
All Races	1975-00	0.1	2000-11	-1.5*									-1.5*	-1.5*
White	1975-02	0.4*	2002-11	-0.9*									-0.9*	-0.9*
Black	1975-92	-0.2	1992-11	-4.1*									-4.1*	-4.1*
<u>U.S. Cancer Mortality<sup>c</sup>, 1992-2011</u>														
All Races	1992-01	0.0	2001-11	-1.6*									-1.6*	-1.6*
White	1992-00	1.0*	2000-11	-0.9*									-0.9*	-0.9*
White NH <sup>ef</sup>	1992-01	1.0*	2001-11	-0.8*									-0.8*	-0.8*
Black	1992-11	-4.1*											-4.1*	-4.1*
Black NH <sup>ef</sup>	1992-11	-4.0*											-4.0*	-4.0*
API <sup>e</sup>	1992-11	-1.4*											-1.4*	-1.4*
AI/AN <sup>eg</sup>	1992-11	2.6											2.6	2.6
Hispanic <sup>f</sup>	1992-96	10.1	1996-11	-2.2*									-2.2*	-2.2*

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