

Table 8.15  
Cancer of the Esophagus (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 2008-2012			Trend 2003-2012 <sup>c</sup>			Trend 2003-2012 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	4.4	7.6	1.7	-0.4*	-0.2	-1.2*	-1.2*	-1.1*	-0.5*
White	4.6	8.0	1.7	0.5*	-0.2	-0.6*	-0.3	-0.3	-0.1
White Hispanic <sup>e</sup>	3.0	5.4	1.0	-1.0*	-1.1*	-1.0	-	-	-
White Non-Hispanic <sup>e</sup>	4.8	8.4	1.8	-0.5	-0.3	-0.4	-	-	-
Black	4.6	7.6	2.5	-4.7*	-4.9*	-4.2*	-4.6*	-4.9*	-3.2*
Asian/Pacific Islander	2.2	3.6	1.0	-1.8*	-2.1*	-0.4	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	3.1	4.9	1.6	-1.8	-3.2	-	-	-	-
Hispanic <sup>e</sup>	2.9	5.2	1.0	-1.0*	-1.1*	-1.1	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY	Rate 2008-2012			Trend 2003-2012 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	4.2	7.5	1.5	-0.8*	-0.7*	-1.6*			
White	4.3	7.7	1.5	-0.2	-0.2	-1.1*			
White Hispanic <sup>e</sup>	2.4	4.5	0.8	-0.7*	-0.7*	-2.4*			
White Non-Hispanic <sup>e</sup>	4.5	8.0	1.6	0.0	-0.1	-0.9*			
Black	4.0	7.0	2.0	-4.4*	-4.6*	-4.1*			
Asian/Pacific Islander	1.7	2.8	0.8	-1.9*	-2.1*	-1.3*			
Amer Ind/Alaska Nat									
Total U.S.	2.5	4.2	1.1	-3.7*	-4.9*	0.8			
CHSDA Counties	3.4	5.6	1.8	-2.4	-4.2	3.5*			
Non-CHSDA Counties	1.4	2.5	-	-2.7*	-2.1	-4.6			
Hispanic <sup>e</sup>	2.3	4.3	0.8	-0.8*	-0.8*	-2.5*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, 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 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

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 2003-2012 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 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

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