

Table 20.3  
Cancer of the Oral Cavity and Pharynx (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program,  
1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints,  
Males 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	2005-14	2010-14
<u>SEER 9 Delay-Adjusted Incidence<sup>a</sup>, 1975-2014</u>														
All Races	1975-83	-0.2	1983-03	-1.4*	2003-14	1.0*							1.0*	1.0*
White	1975-03	-1.2*	2003-14	1.4*									1.4*	1.4*
Black	1975-86	2.0*	1986-14	-2.7*									-2.7*	-2.7*
<u>SEER 13 Delay-Adjusted Incidence<sup>b</sup>, 1992-2014</u>														
All Races	1992-04	-1.4*	2004-14	1.1*									1.1*	1.1*
White	1992-03	-1.3*	2003-14	1.3*									1.3*	1.3*
Black	1992-10	-3.0*	2010-14	1.1									-1.2	1.1
<u>SEER 9 Observed Incidence<sup>a</sup>, 1975-2014</u>														
All Races	1975-83	-0.2	1983-03	-1.4*	2003-14	0.9*							0.9*	0.9*
White	1975-01	-1.2*	2001-14	0.9*									0.9*	0.9*
Black	1975-87	1.6*	1987-14	-2.9*									-2.9*	-2.9*
<u>SEER 13 Observed Incidence<sup>b</sup>, 1992-2014</u>														
All Races	1992-03	-1.6*	2003-14	0.7*									0.7*	0.7*
White	1992-03	-1.2*	2003-14	1.1*									1.1*	1.1*
White NH <sup>ef</sup>	1992-03	-1.0*	2003-14	1.3*									1.3*	1.3*
Black	1992-11	-3.0*	2011-14	1.6									-1.5	0.4
Black NH <sup>ef</sup>	1992-10	-3.0*	2010-14	0.5									-1.4	0.5
API <sup>e</sup>	1992-14	-0.8*											-0.8*	-0.8*
AI/AN <sup>eg</sup>	1992-14	-2.3*											-2.3*	-2.3*
Hispanic <sup>f</sup>	1992-14	-0.5											-0.5	-0.5
<u>U.S. Cancer Mortality<sup>c</sup>, 1975-2014</u>														
All Races	1975-93	-1.9*	1993-00	-3.0*	2000-09	-1.3*	2009-14	1.1					0.0	1.1
White	1975-05	-2.1*	2005-14	0.8*									0.8*	0.8*
Black	1975-80	3.9*	1980-93	-1.5*	1993-09	-4.1*	2009-14	-0.7					-2.2*	-0.7
<u>U.S. Cancer Mortality<sup>c</sup>, 1992-2014</u>														
All Races	1992-00	-2.8*	2000-09	-1.3*	2009-14	1.1							0.0	1.1
White	1992-05	-2.0*	2005-14	0.7									0.7	0.7
White NH <sup>ef</sup>	1992-05	-1.8*	2005-14	0.8*									0.8*	0.8*
Black	1992-09	-4.0*	2009-14	-0.8									-2.2*	-0.8
Black NH <sup>ef</sup>	1992-09	-4.0*	2009-14	-0.7									-2.2*	-0.7
API <sup>e</sup>	1992-14	-2.0*											-2.0*	-2.0*
AI/AN <sup>eg</sup>	1992-14	-1.7*											-1.7*	-1.7*
Hispanic <sup>f</sup>	1992-05	-3.7*	2005-14	-0.9*									-0.9*	-0.9*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<https://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  
<sup>f</sup> 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.  
<sup>f</sup> 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.