

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,  
1975-2016 With up to Five Joinpoints, 2000-2016 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 <sup>d</sup>	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2007-16	2012-16
<u>SEER 9 Delay-Adjusted Incidence<sup>a</sup>, 1975-2016</u>														
All Races	1975-83	-0.2	1983-03	-1.4*	2003-16	1.0*							1.0*	1.0*
White	1975-03	-1.2*	2003-16	1.4*									1.4*	1.4*
Black	1975-86	2.0*	1986-16	-2.7*									-2.7*	-2.7*
<u>SEER 21 Delay-Adjusted Incidence<sup>b</sup>, 2000-2016</u>														
All Races	2000-05	-0.2	2005-16	1.0*									1.0*	1.0*
White	2000-16	1.1*											1.1*	1.1*
White NH <sup>ef</sup>	2000-16	1.5*											1.5*	1.5*
Black	2000-16	-2.1*											-2.1*	-2.1*
Black NH <sup>ef</sup>	2000-16	-2.0*											-2.0*	-2.0*
API <sup>e</sup>	2000-16	0.4											0.4	0.4
AI/AN <sup>eg</sup>	2000-16	1.3											1.3	1.3
Hispanic <sup>f</sup>	2000-16	-0.4											-0.4	-0.4
<u>U.S. Cancer Mortality<sup>c</sup>, 1975-2016</u>														
All Races	1975-93	-1.9*	1993-00	-3.0*	2000-09	-1.2*	2009-16	1.0*					0.5	1.0*
White	1975-05	-2.1*	2005-16	0.9*									0.9*	0.9*
Black	1975-80	3.7*	1980-92	-1.4*	1992-08	-4.0*	2008-16	-2.2*					-2.4*	-2.2*
<u>U.S. Cancer Mortality<sup>c</sup>, 2000-2016</u>														
All Races	2000-09	-1.3*	2009-16	1.0*									0.5*	1.0*
White	2000-09	-0.8*	2009-16	1.5*									1.0*	1.5*
White NH <sup>ef</sup>	2000-09	-0.6	2009-16	1.6*									1.1*	1.6*
Black	2000-16	-3.1*											-3.1*	-3.1*
Black NH <sup>ef</sup>	2000-16	-3.0*											-3.0*	-3.0*
API <sup>e</sup>	2000-10	-2.7*	2010-16	2.6									0.8	2.6
AI/AN <sup>eg</sup>	2000-16	0.0											0.0	0.0
Hispanic <sup>f</sup>	2000-08	-2.8*	2008-16	0.3									-0.1	0.3

Joinpoint Regression Program Version 4.7, February 2019, National Cancer Institute. (<https://surveillance.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).

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

<sup>b</sup> Trends are from the SEER 21 areas (SEER 9 areas, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

<sup>c</sup> Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

<sup>d</sup> The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

<sup>e</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>g</sup> Data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

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

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