

Table 2.2  
All Cancer Sites (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	1975-89	1.3*	1989-92	5.0*	1992-95	-4.2*	1995-08	-0.3*	2008-13	-2.8*	2013-16	-0.4	-1.7*	-1.0
White	1975-89	1.4*	1989-92	4.9*	1992-95	-4.5*	1995-07	-0.1	2007-13	-2.4*	2013-16	-0.5	-1.8*	-1.0
Black	1975-81	2.8*	1981-89	0.6	1989-92	7.6*	1992-96	-2.5	1996-08	-1.0*	2008-16	-2.8*	-2.6*	-2.8*
<u>SEER 21 Delay-Adjusted Incidence<sup>b</sup>, 2000-2016</u>														
All Races	2000-04	-1.4	2004-07	0.5	2007-16	-2.0*							-2.0*	-2.0*
White	2000-04	-1.3	2004-07	0.8	2007-13	-2.3*	2013-16	-1.1					-1.9*	-1.4*
White NH <sup>ef</sup>	2000-04	-1.3*	2004-07	1.0	2007-13	-2.2*	2013-16	-0.8					-1.7*	-1.1
Black	2000-05	-1.7*	2005-09	-0.2	2009-14	-3.5*	2014-16	-0.2					-2.0*	-1.8*
Black NH <sup>ef</sup>	2000-05	-1.6*	2005-09	-0.2	2009-14	-3.5*	2014-16	0.0					-2.0*	-1.7*
API <sup>e</sup>	2000-16	-1.5*											-1.5*	-1.5*
AI/AN <sup>eg</sup>	2000-16	-0.4											-0.4	-0.4
Hispanic <sup>f</sup>	2000-08	-0.7*	2008-16	-2.5*									-2.3*	-2.5*
<u>U.S. Cancer Mortality<sup>c</sup>, 1975-2016</u>														
All Races	1975-79	1.0*	1979-90	0.3*	1990-93	-0.5	1993-01	-1.5*	2001-16	-1.8*			-1.8*	-1.8*
White	1975-79	0.9*	1979-91	0.2*	1991-94	-0.8	1994-97	-1.8*	1997-00	-1.0*	2000-16	-1.7*	-1.7*	-1.7*
Black	1975-82	1.8*	1982-90	1.0*	1990-93	-0.2	1993-01	-2.0*	2001-16	-2.7*			-2.7*	-2.7*
<u>U.S. Cancer Mortality<sup>c</sup>, 2000-2016</u>														
All Races	2000-16	-1.8*											-1.8*	-1.8*
White	2000-16	-1.7*											-1.7*	-1.7*
White NH <sup>ef</sup>	2000-16	-1.6*											-1.6*	-1.6*
Black	2000-16	-2.7*											-2.7*	-2.7*
Black NH <sup>ef</sup>	2000-16	-2.6*											-2.6*	-2.6*
API <sup>e</sup>	2000-16	-1.6*											-1.6*	-1.6*
AI/AN <sup>eg</sup>	2000-16	-0.8*											-0.8*	-0.8*
Hispanic <sup>f</sup>	2000-16	-1.6*											-1.6*	-1.6*

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.