

Table 15.3  
Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program,  
1975-2017 With up to Five Joinpoints, 2000-2017 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	2008-17	2013-17
<u>SEER 9 Delay-Adjusted Incidence<sup>a</sup>, 1975-2017</u>														
All Races	1975-82	5.6*	1982-91	3.4*	1991-06	0.5*	2006-17	-1.4*					-1.4*	-1.4*
White	1975-88	4.8*	1988-97	1.4*	1997-07	0.2	2007-17	-1.4*					-1.4*	-1.4*
Black	1975-90	4.2*	1990-06	0.7*	2006-17	-1.9*							-1.9*	-1.9*
<u>SEER 21 Delay-Adjusted Incidence<sup>b</sup>, 2000-2017</u>														
All Races	2000-08	0.2*	2008-11	-2.3*	2011-17	-1.0*							-1.4*	-1.0*
White	2000-08	0.3*	2008-11	-2.3*	2011-17	-0.9*							-1.4*	-0.9*
White NH <sup>ef</sup>	2000-08	0.5*	2008-11	-2.1*	2011-17	-0.7*							-1.2*	-0.7*
Black	2000-09	0.3	2009-17	-2.0*									-1.7*	-2.0*
Black NH <sup>ef</sup>	2000-09	0.3	2009-17	-2.0*									-1.7*	-2.0*
API <sup>e</sup>	2000-17	0.3*											0.3*	0.3*
AI/AN <sup>eg</sup>	2000-17	-0.6											-0.6	-0.6
Hispanic <sup>f</sup>	2000-17	-0.3*											-0.3*	-0.3*
<u>U.S. Cancer Mortality<sup>c</sup>, 1975-2017</u>														
All Races	1975-82	6.0*	1982-90	4.2*	1990-95	1.8*	1995-05	0.2*	2005-14	-1.8*	2014-17	-4.4*	-2.7*	-3.7*
White	1975-83	5.9*	1983-92	3.8*	1992-02	0.6*	2002-07	-0.6	2007-14	-1.9*	2014-17	-4.0*	-2.6*	-3.5*
Black	1975-82	6.3*	1982-92	3.7*	1992-04	0.3*	2004-13	-1.9*	2013-17	-4.5*			-3.1*	-4.5*
<u>U.S. Cancer Mortality<sup>c</sup>, 2000-2017</u>														
All Races	2000-02	0.6	2002-07	-0.7*	2007-14	-2.0*	2014-17	-4.2*					-2.7*	-3.7*
White	2000-02	0.6	2002-07	-0.6*	2007-14	-1.9*	2014-17	-4.0*					-2.6*	-3.5*
White NH <sup>ef</sup>	2000-02	0.7	2002-07	-0.4	2007-14	-1.8*	2014-17	-3.9*					-2.5*	-3.3*
Black	2000-04	0.6	2004-13	-1.8*	2013-17	-4.5*							-3.1*	-4.5*
Black NH <sup>ef</sup>	2000-05	0.5	2005-08	-2.8	2008-13	-1.4*	2013-17	-4.7*					-2.9*	-4.7*
API <sup>e</sup>	2000-14	-0.4	2014-17	-4.6*									-1.8*	-3.5*
AI/AN <sup>eg</sup>	2000-04	4.0	2004-17	-2.1*									-2.1*	-2.1*
Hispanic <sup>f</sup>	2000-15	-1.0*	2015-17	-6.4									-2.2*	-3.7*

Joinpoint Regression Program Version 4.8, April 2020, 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.