

Table 15.2
Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c 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 ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2007-16	2012-16
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2016</u>														
All Races	1975-82	1.5*	1982-91	-0.5*	1991-08	-1.7*	2008-16	-2.8*					-2.7*	-2.8*
White	1975-81	1.4*	1981-89	-0.1	1989-07	-1.6*	2007-16	-2.7*					-2.7*	-2.7*
Black	1975-84	2.9*	1984-98	-1.4*	1998-16	-2.9*							-2.9*	-2.9*
<u>SEER 21 Delay-Adjusted Incidence^b, 2000-2016</u>														
All Races	2000-08	-1.7*	2008-16	-2.9*									-2.8*	-2.9*
White	2000-08	-1.6*	2008-16	-2.9*									-2.8*	-2.9*
White NH ^{ef}	2000-08	-1.5*	2008-16	-2.7*									-2.5*	-2.7*
Black	2000-16	-2.7*											-2.7*	-2.7*
Black NH ^{ef}	2000-16	-2.7*											-2.7*	-2.7*
API ^e	2000-16	-1.5*											-1.5*	-1.5*
AI/AN ^{eg}	2000-16	-1.8*											-1.8*	-1.8*
Hispanic ^f	2000-07	-1.4*	2007-16	-3.2*									-3.2*	-3.2*
<u>U.S. Cancer Mortality^c, 1975-2016</u>														
All Races	1975-78	2.4*	1978-84	1.2*	1984-91	0.3*	1991-05	-1.9*	2005-12	-2.9*	2012-16	-4.3*	-3.5*	-4.3*
White	1975-80	1.9*	1980-87	0.7*	1987-91	0.1	1991-05	-1.7*	2005-12	-2.9*	2012-16	-4.2*	-3.4*	-4.2*
Black	1975-82	2.9*	1982-90	1.3*	1990-94	-1.3*	1994-03	-2.7*	2003-13	-3.4*	2013-16	-5.6*	-4.1*	-5.1*
<u>U.S. Cancer Mortality^c, 2000-2016</u>														
All Races	2000-05	-2.0*	2005-10	-2.8*	2010-14	-3.4*	2014-16	-5.0*					-3.6*	-4.2*
White	2000-05	-1.9*	2005-10	-2.7*	2010-14	-3.4*	2014-16	-4.9*					-3.5*	-4.1*
White NH ^{ef}	2000-05	-1.7*	2005-10	-2.6*	2010-14	-3.3*	2014-16	-4.7*					-3.4*	-4.0*
Black	2000-13	-3.3*	2013-16	-5.8*									-4.1*	-5.2*
Black NH ^{ef}	2000-13	-3.2*	2013-16	-5.8*									-4.1*	-5.1*
API ^e	2000-08	-1.3*	2008-16	-2.8*									-2.7*	-2.8*
AI/AN ^{eg}	2000-16	-1.6*											-1.6*	-1.6*
Hispanic ^f	2000-16	-3.1*											-3.1*	-3.1*

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).

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

^b 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).

^c Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^d The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

^e API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic

^f 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.

^g 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.