

Table 15.3
Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2011 With up to Five Joinpoints, 1992-2011 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 ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2002-11	2007-11
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2011</u>														
All Races	1975-82	5.6*	1982-91	3.4*	1991-07	0.5*	2007-11	-2.1*					-0.7*	-2.1*
White	1975-82	5.6*	1982-88	4.2*	1988-97	1.5*	1997-07	0.3	2007-11	-1.8*			-0.6*	-1.8*
Black	1975-91	4.2*	1991-11	0.1									0.1	0.1
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2011</u>														
All Races	1992-07	0.0	2007-11	-2.2*									-1.0*	-2.2*
White	1992-98	1.0*	1998-01	-1.3	2001-07	0.4	2007-11	-2.4*					-0.9*	-2.4*
Black	1992-05	0.8*	2005-11	-1.9*									-1.0	-1.9*
<u>SEER 9 Observed Incidence^a, 1975-2011</u>														
All Races	1975-82	5.6*	1982-91	3.4*	1991-07	0.5*	2007-11	-2.4*					-0.8*	-2.4*
White	1975-82	5.6*	1982-88	4.2*	1988-97	1.5*	1997-07	0.2	2007-11	-2.1*			-0.8*	-2.1*
Black	1975-91	4.2*	1991-11	0.1									0.1	0.1
<u>SEER 13 Observed Incidence^b, 1992-2011</u>														
All Races	1992-07	0.0	2007-11	-2.5*									-1.1*	-2.5*
White	1992-97	1.0	1997-09	-0.3*	2009-11	-4.7*							-1.3*	-2.5*
White NH ^{ef}	1992-97	1.1*	1997-08	0.0	2008-11	-3.3*							-1.1*	-2.5*
Black	1992-05	0.8*	2005-11	-2.2*									-1.2*	-2.2*
Black NH ^{ef}	1992-06	0.7*	2006-11	-2.6*									-1.2	-2.6*
API ^e	1992-11	0.3											0.3	0.3
AI/AN ^{eg}	1992-11	0.8											0.8	0.8
Hispanic ^f	1992-11	-0.4*											-0.4*	-0.4*
<u>U.S. Cancer Mortality^c, 1975-2011</u>														
All Races	1975-82	6.0*	1982-90	4.2*	1990-95	1.7*	1995-03	0.3*	2003-07	-0.8	2007-11	-1.9*	-1.2*	-1.9*
White	1975-83	5.8*	1983-90	4.1*	1990-94	2.0*	1994-02	0.5*	2002-07	-0.5	2007-11	-1.8*	-1.1*	-1.8*
Black	1975-82	6.4*	1982-92	3.7*	1992-04	0.4*	2004-11	-1.9*					-1.4*	-1.9*
<u>U.S. Cancer Mortality^c, 1992-2011</u>														
All Races	1992-95	1.4*	1995-03	0.3*	2003-07	-0.8	2007-11	-1.9*					-1.2*	-1.9*
White	1992-02	0.7*	2002-07	-0.6	2007-11	-1.8*							-1.1*	-1.8*
White NH ^{ef}	1992-95	1.7*	1995-03	0.6*	2003-07	-0.5	2007-11	-1.6*					-0.9*	-1.6*
Black	1992-04	0.4*	2004-11	-2.0*									-1.4*	-2.0*
Black NH ^{ef}	1992-04	0.5*	2004-11	-1.9*									-1.4*	-1.9*
API ^e	1992-11	-0.3*											-0.3*	-0.3*
AI/AN ^{eg}	1992-08	1.6*	2008-11	-6.3									-1.1	-4.4
Hispanic ^f	1992-04	0.4	2004-11	-1.6*									-1.2*	-1.6*

Joinpoint Regression Program Version 4.1.0, April 2014, National Cancer Institute. (<http://surveillance.cancer.gov/joinpoint/>).
^a The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
^b Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
^c Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
^d Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
^e The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
^f API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
^g 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.
^h The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
ⁱ 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.