

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,
1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four 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	2005-14	2010-14
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2014</u>														
All Races	1975-82	5.6*	1982-91	3.4*	1991-06	0.5*	2006-14	-1.4*					-1.2*	-1.4*
White	1975-88	4.8*	1988-97	1.4*	1997-07	0.2	2007-14	-1.5*					-1.1*	-1.5*
Black	1975-90	4.2*	1990-06	0.6*	2006-14	-1.7*							-1.5*	-1.7*
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2014</u>														
All Races	1992-06	0.1	2006-14	-1.6*									-1.4*	-1.6*
White	1992-98	0.9*	1998-01	-1.4	2001-07	0.3	2007-12	-2.3*	2012-14	0.0			-1.2*	-1.2
Black	1992-05	0.8*	2005-14	-1.7*									-1.7*	-1.7*
<u>SEER 9 Observed Incidence^a, 1975-2014</u>														
All Races	1975-82	5.6*	1982-91	3.4*	1991-06	0.5*	2006-14	-1.6*					-1.4*	-1.6*
White	1975-82	5.6*	1982-88	4.2*	1988-97	1.5*	1997-07	0.2	2007-14	-1.7*			-1.3*	-1.7*
Black	1975-90	4.2*	1990-06	0.6*	2006-14	-2.0*							-1.7*	-2.0*
<u>SEER 13 Observed Incidence^b, 1992-2014</u>														
All Races	1992-07	0.0	2007-14	-2.1*									-1.6*	-2.1*
White	1992-97	0.8	2007-14	-0.2	1997-07	-2.0*							-1.6*	-2.0*
White NH ^{ef}	1992-97	1.1	1997-07	0.0	2007-14	-1.8*							-1.4*	-1.8*
Black	1992-05	0.8*	2005-14	-1.9*									-1.9*	-1.9*
Black NH ^{ef}	1992-05	0.8*	2005-14	-1.9*									-1.9*	-1.9*
API ^e	1992-14	0.1											0.1	0.1
AI/AN ^{eg}	1992-06	2.3*	2006-14	-5.4*									-4.6*	-5.4*
Hispanic ^f	1992-14	-0.5*											-0.5*	-0.5*
<u>U.S. Cancer Mortality^c, 1975-2014</u>														
All Races	1975-82	6.0*	1982-90	4.2*	1990-95	1.7*	1995-03	0.3*	2003-07	-0.8	2007-14	-2.0*	-1.7*	-2.0*
White	1975-83	5.8*	1983-90	4.1*	1990-94	2.0*	1994-02	0.5*	2002-07	-0.5	2007-14	-1.9*	-1.6*	-1.9*
Black	1975-82	6.4*	1982-92	3.7*	1992-04	0.4*	2004-14	-1.9*					-1.9*	-1.9*
<u>U.S. Cancer Mortality^c, 1992-2014</u>														
All Races	1992-95	1.4*	1995-03	0.3*	2003-07	-0.8	2007-14	-2.0*					-1.7*	-2.0*
White	1992-95	1.4*	1995-02	0.5*	2002-07	-0.5	2007-14	-1.9*					-1.6*	-1.9*
White NH ^{ef}	1992-95	1.7*	1995-03	0.6*	2003-08	-0.7*	2008-14	-1.9*					-1.5*	-1.9*
Black	1992-04	0.4*	2004-14	-2.0*									-2.0*	-2.0*
Black NH ^{ef}	1992-04	0.5*	2004-14	-1.9*									-1.9*	-1.9*
API ^e	1992-14	-0.4*											-0.4*	-0.4*
AI/AN ^{eg}	1992-05	2.1*	2005-14	-1.7*									-1.7*	-1.7*
Hispanic ^f	1992-03	0.5	2003-14	-1.3*									-1.3*	-1.3*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<https://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
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.
The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
^g 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.