

Table 15.2  
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,  
1975-2011 With up to Five Joinpoints, 1992-2011 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	2002-11	2007-11
<u>SEER 9 Delay-Adjusted Incidence<sup>a</sup>, 1975-2011</u>														
All Races	1975-82	1.4*	1982-91	-0.4	1991-11	-1.8*							-1.8*	-1.8*
White	1975-81	1.5*	1981-90	-0.2	1990-11	-1.7*							-1.7*	-1.7*
Black	1975-84	2.9*	1984-97	-1.4*	1997-11	-2.7*							-2.7*	-2.7*
<u>SEER 13 Delay-Adjusted Incidence<sup>b</sup>, 1992-2011</u>														
All Races	1992-09	-1.9*	2009-11	-4.0*									-2.4*	-3.0*
White	1992-11	-1.9*											-1.9*	-1.9*
Black	1992-11	-2.6*											-2.6*	-2.6*
<u>SEER 9 Observed Incidence<sup>a</sup>, 1975-2011</u>														
All Races	1975-82	1.5*	1982-91	-0.5*	1991-09	-1.8*	2009-11	-4.3*					-2.3*	-3.1*
White	1975-81	1.5*	1981-90	-0.2	1990-09	-1.7*	2009-11	-4.0*					-2.2*	-2.9*
Black	1975-84	2.9*	1984-97	-1.4*	1997-11	-2.8*							-2.8*	-2.8*
<u>SEER 13 Observed Incidence<sup>b</sup>, 1992-2011</u>														
All Races	1992-09	-1.9*	2009-11	-4.8*									-2.6*	-3.4*
White	1992-09	-1.9*	2009-11	-4.5*									-2.5*	-3.2*
White NH <sup>ef</sup>	1992-09	-1.8*	2009-11	-4.2*									-2.3*	-3.0*
Black	1992-11	-2.6*											-2.6*	-2.6*
Black NH <sup>ef</sup>	1992-11	-2.6*											-2.6*	-2.6*
API <sup>e</sup>	1992-94	-6.8	1994-99	0.5	1999-08	-1.3*	2008-11	-4.2*					-2.3*	-3.5*
AI/AN <sup>eg</sup>	1992-11	-1.3*											-1.3*	-1.3*
Hispanic <sup>f</sup>	1992-11	-2.0*											-2.0*	-2.0*
<u>U.S. Cancer Mortality<sup>c</sup>, 1975-2011</u>														
All Races	1975-78	2.5*	1978-84	1.2*	1984-90	0.4*	1990-93	-1.1	1993-05	-1.9*	2005-11	-2.9*	-2.6*	-2.9*
White	1975-82	1.7*	1982-91	0.4*	1991-05	-1.8*	2005-11	-2.8*					-2.5*	-2.8*
Black	1975-77	4.9*	1977-84	2.3*	1984-90	1.2*	1990-94	-1.2*	1994-04	-2.7*	2004-11	-3.5*	-3.3*	-3.5*
<u>U.S. Cancer Mortality<sup>c</sup>, 1992-2011</u>														
All Races	1992-05	-1.9*	2005-11	-2.9*									-2.6*	-2.9*
White	1992-05	-1.8*	2005-11	-2.8*									-2.5*	-2.8*
White NH <sup>ef</sup>	1992-05	-1.6*	2005-11	-2.7*									-2.4*	-2.7*
Black	1992-94	-0.9	1994-04	-2.7*	2004-11	-3.5*							-3.3*	-3.5*
Black NH <sup>ef</sup>	1992-94	-0.6	1994-04	-2.7*	2004-11	-3.4*							-3.2*	-3.4*
API <sup>e</sup>	1992-11	-1.5*											-1.5*	-1.5*
AI/AN <sup>eg</sup>	1992-11	-1.0*											-1.0*	-1.0*
Hispanic <sup>f</sup>	1992-99	-0.7	1999-11	-2.7*									-2.7*	-2.7*

Joinpoint Regression Program Version 4.1.0, April 2014, National Cancer Institute. (<http://surveillance.cancer.gov/joinpoint/>).  
<sup>a</sup> 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>b</sup> Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).  
<sup>c</sup> Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).  
<sup>d</sup> Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.  
<sup>e</sup> The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.  
<sup>f</sup> 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.  
<sup>g</sup> 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.