

Table 14.2  
Cancer of the Liver and Intrahepatic Bile Duct (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	1975-11	3.8*											3.8*	3.8*
White	1975-84	1.6	1984-11	4.2*									4.2*	4.2*
Black	1975-98	3.0*	1998-11	5.2*									5.2*	5.2*
<u>SEER 13 Delay-Adjusted Incidence<sup>b</sup>, 1992-2011</u>														
All Races	1992-11	3.6*											3.6*	3.6*
White	1992-11	4.1*											4.1*	4.1*
Black	1992-11	4.4*											4.4*	4.4*
<u>SEER 9 Observed Incidence<sup>a</sup>, 1975-2011</u>														
All Races	1975-11	3.7*											3.7*	3.7*
White	1975-84	1.8	1984-11	4.0*									4.0*	4.0*
Black	1975-11	3.8*											3.8*	3.8*
<u>SEER 13 Observed Incidence<sup>b</sup>, 1992-2011</u>														
All Races	1992-99	4.6*	1999-02	0.5	2002-07	5.3*	2007-11	1.8					3.7*	1.8
White	1992-11	3.9*											3.9*	3.9*
White NH <sup>ef</sup>	1992-11	3.6*											3.6*	3.6*
Black	1992-11	4.2*											4.2*	4.2*
Black NH <sup>ef</sup>	1992-11	4.4*											4.4*	4.4*
API <sup>e</sup>	1992-11	0.7*											0.7*	0.7*
AI/AN <sup>eg</sup>	1992-11	4.0*											4.0*	4.0*
Hispanic <sup>f</sup>	1992-11	3.2*											3.2*	3.2*
<u>U.S. Cancer Mortality<sup>c</sup>, 1975-2011</u>														
All Races	1975-85	1.5*	1985-96	3.8*	1996-99	0.4	1999-11	2.6*					2.6*	2.6*
White	1975-85	1.4*	1985-96	3.9*	1996-99	0.4	1999-11	2.7*					2.7*	2.7*
Black	1975-87	0.7	1987-11	2.3*									2.3*	2.3*
<u>U.S. Cancer Mortality<sup>c</sup>, 1992-2011</u>														
All Races	1992-07	2.2*	2007-11	3.3*									2.6*	3.3*
White	1992-07	2.2*	2007-11	3.5*									2.8*	3.5*
White NH <sup>ef</sup>	1992-96	3.6*	1996-99	0.6	1999-07	2.3*	2007-11	3.3*					2.7*	3.3*
Black	1992-11	2.3*											2.3*	2.3*
Black NH <sup>ef</sup>	1992-11	2.4*											2.4*	2.4*
API <sup>e</sup>	1992-11	-0.8*											-0.8*	-0.8*
AI/AN <sup>eg</sup>	1992-11	2.5*											2.5*	2.5*
Hispanic <sup>f</sup>	1992-11	1.9*											1.9*	1.9*

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  
<sup>g</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>h</sup> The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.  
<sup>i</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.