

Table 14.2
Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2012 With up to Five Joinpoints, 1992-2012 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	2003-12	2008-12
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2012</u>														
All Races	1975-84	2.2*	1984-12	3.9*									3.9*	3.9*
White	1975-87	1.8*	1987-98	5.4*	1998-01	-0.7	2001-12	5.0*					5.0*	5.0*
Black	1975-98	3.0*	1998-12	5.0*									5.0*	5.0*
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2012</u>														
All Races	1992-12	3.7*											3.7*	3.7*
White	1992-99	4.7*	1999-02	0.8	2002-12	5.0*							5.0*	5.0*
Black	1992-12	4.4*											4.4*	4.4*
<u>SEER 9 Observed Incidence^a, 1975-2012</u>														
All Races	1975-80	0.8	1980-12	3.8*									3.8*	3.8*
White	1975-84	1.7	1984-12	4.0*									4.0*	4.0*
Black	1975-12	3.9*											3.9*	3.9*
<u>SEER 13 Observed Incidence^b, 1992-2012</u>														
All Races	1992-99	4.6*	1999-02	0.5	2002-07	5.4*	2007-12	1.8*					3.4*	1.8*
White	1992-12	3.9*											3.9*	3.9*
White NH ^{ef}	1992-12	3.6*											3.6*	3.6*
Black	1992-12	4.2*											4.2*	4.2*
Black NH ^{ef}	1992-12	4.2*											4.2*	4.2*
API ^e	1992-12	0.5											0.5	0.5
AI/AN ^{eg}	1992-12	3.3*											3.3*	3.3*
Hispanic ^f	1992-12	3.2*											3.2*	3.2*
<u>U.S. Cancer Mortality^c, 1975-2012</u>														
All Races	1975-79	0.3	1979-87	2.3*	1987-96	3.9*	1996-99	0.6	1999-07	2.4*	2007-12	3.1*	2.8*	3.1*
White	1975-84	1.1*	1984-95	3.7*	1995-06	2.0*	2006-12	3.4*					2.9*	3.4*
Black	1975-01	1.6*	2001-12	2.9*									2.9*	2.9*
<u>U.S. Cancer Mortality^c, 1992-2012</u>														
All Races	1992-07	2.2*	2007-12	3.3*									2.8*	3.3*
White	1992-07	2.2*	2007-12	3.5*									2.9*	3.5*
White NH ^{ef}	1992-96	3.6*	1996-99	0.6	1999-07	2.3*	2007-12	3.4*					2.9*	3.4*
Black	1992-12	2.3*											2.3*	2.3*
Black NH ^{ef}	1992-12	2.4*											2.4*	2.4*
API ^e	1992-12	-0.8*											-0.8*	-0.8*
AI/AN ^{eg}	1992-12	2.5*											2.5*	2.5*
Hispanic ^f	1992-12	1.9*											1.9*	1.9*

Joinpoint Regression Program Version 4.2.0, April 2015, 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
 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 The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
^{*} 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.