

Table 14.1
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,
Both Sexes 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	1.3	1984-98	4.7*	1998-01	0.6	2001-12	4.3*					4.3*	4.3*
White	1975-87	1.6*	1987-98	5.4*	1998-01	-0.9	2001-12	4.9*					4.9*	4.9*
Black	1975-83	-0.6	1983-12	4.0*									4.0*	4.0*
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2012</u>														
All Races	1992-99	5.1*	1999-02	0.3	2002-07	4.9*	2007-12	2.9*					3.8*	2.9*
White	1992-99	5.5*	1999-02	0.0	2002-12	4.9*							4.9*	4.9*
Black	1992-12	4.1*											4.1*	4.1*
<u>SEER 9 Observed Incidence^a, 1975-2012</u>														
All Races	1975-84	1.4*	1984-99	4.6*	1999-02	-0.5	2002-06	6.3*	2006-12	2.9*			4.0*	2.9*
White	1975-87	1.6*	1987-98	5.3*	1998-01	-0.5	2001-12	4.6*					4.6*	4.6*
Black	1975-82	-1.1	1982-12	3.9*									3.9*	3.9*
<u>SEER 13 Observed Incidence^b, 1992-2012</u>														
All Races	1992-99	5.1*	1999-02	0.6	2002-09	4.4*	2009-12	0.5					3.1*	1.5
White	1992-99	5.5*	1999-02	-0.7	2002-08	5.6*	2008-12	2.4*					4.2*	2.4*
White NH ^{ef}	1992-99	5.3*	1999-02	-2.1	2002-08	5.7*	2008-12	2.1					4.1*	2.1
Black	1992-12	3.8*											3.8*	3.8*
Black NH ^{ef}	1992-12	3.9*											3.9*	3.9*
API ^e	1992-07	1.1*	2007-12	-2.5									-0.9	-2.5
AI/AN ^{eg}	1992-12	2.7*											2.7*	2.7*
Hispanic ^f	1992-12	3.1*											3.1*	3.1*
<u>U.S. Cancer Mortality^c, 1975-2012</u>														
All Races	1975-80	0.2	1980-87	2.0*	1987-96	3.8*	1996-99	0.5	1999-08	2.2*	2008-12	3.3*	2.7*	3.3*
White	1975-78	-1.2	1978-87	1.6*	1987-96	3.9*	1996-99	0.4	1999-08	2.4*	2008-12	3.5*	2.9*	3.5*
Black	1975-88	0.8*	1988-95	3.2*	1995-00	0.3	2000-12	2.5*					2.5*	2.5*
<u>U.S. Cancer Mortality^c, 1992-2012</u>														
All Races	1992-96	3.5*	1996-99	0.7	1999-08	2.2*	2008-12	3.3*					2.7*	3.3*
White	1992-96	3.5*	1996-99	0.6	1999-08	2.4*	2008-12	3.5*					2.9*	3.5*
White NH ^{ef}	1992-96	3.7*	1996-99	0.1	1999-08	2.2*	2008-12	3.5*					2.8*	3.5*
Black	1992-02	1.3*	2002-12	2.6*									2.6*	2.6*
Black NH ^{ef}	1992-95	4.7*	1995-00	0.1	2000-12	2.6*							2.6*	2.6*
API ^e	1992-12	-0.8*											-0.8*	-0.8*
AI/AN ^{eg}	1992-12	2.1*											2.1*	2.1*
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.
 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.