

Table 14.3
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,
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	2003-12	2008-12
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2012</u>														
All Races	1975-83	0.5	1983-99	4.3*	1999-02	-1.1	2002-12	4.0*					4.0*	4.0*
White	1975-85	0.8	1985-99	4.1*	1999-02	-2.8	2002-12	4.5*					4.5*	4.5*
Black	1975-12	2.9*											2.9*	2.9*
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2012</u>														
All Races	1992-12	3.0*											3.0*	3.0*
White	1992-98	6.8*	1998-03	-0.5	2003-12	4.3*							4.3*	4.3*
Black	1992-12	3.0*											3.0*	3.0*
<u>SEER 9 Observed Incidence^a, 1975-2012</u>														
All Races	1975-83	0.6	1983-96	4.2*	1996-12	2.7*							2.7*	2.7*
White	1975-85	0.8	1985-99	4.1*	1999-02	-2.5	2002-12	4.1*					4.1*	4.1*
Black	1975-12	2.8*											2.8*	2.8*
<u>SEER 13 Observed Incidence^b, 1992-2012</u>														
All Races	1992-96	6.9*	1996-12	2.4*									2.4*	2.4*
White	1992-99	6.1*	1999-03	-1.9	2003-09	5.0*	2009-12	1.0					3.6*	2.0
White NH ^{ef}	1992-98	6.4*	1998-03	-1.3	2003-12	3.7*							3.7*	3.7*
Black	1992-12	2.8*											2.8*	2.8*
Black NH ^{ef}	1992-12	2.9*											2.9*	2.9*
API ^e	1992-12	0.3											0.3	0.3
AI/AN ^{eg}	1992-12	1.4											1.4	1.4
Hispanic ^f	1992-12	2.5*											2.5*	2.5*
<u>U.S. Cancer Mortality^c, 1975-2012</u>														
All Races	1975-78	-1.5	1978-88	1.4*	1988-95	3.9*	1995-00	0.4	2000-08	1.4*	2008-12	3.1*	2.2*	3.1*
White	1975-87	0.6*	1987-96	3.6*	1996-00	-0.6	2000-12	2.1*					2.1*	2.1*
Black	1975-96	2.0*	1996-07	0.4	2007-12	3.0*							1.8*	3.0*
<u>U.S. Cancer Mortality^c, 1992-2012</u>														
All Races	1992-08	1.3*	2008-12	3.2*									2.1*	3.2*
White	1992-96	3.2*	1996-00	-0.5	2000-12	2.1*							2.1*	2.1*
White NH ^{ef}	1992-96	3.2*	1996-00	-1.0	2000-12	2.0*							2.0*	2.0*
Black	1992-12	1.0*											1.0*	1.0*
Black NH ^{ef}	1992-12	1.1*											1.1*	1.1*
API ^e	1992-12	-0.6*											-0.6*	-0.6*
AI/AN ^{eg}	1992-12	1.3											1.3	1.3
Hispanic ^f	1992-12	1.6*											1.6*	1.6*

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.