

Table 14.15
Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

SEER Incidence and U.S. Mortality
Age-Adjusted Rates and Trends^a
By Race/Ethnicity and Sex

SEER Incidence	SEER 18 Areas ^b			SEER 13 Areas ^b			SEER 9 Areas ^b		
	Rate 2007-2011			Trend 2002-2011 ^c			Trend 2002-2011 ^d		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	7.9	12.4	4.1	3.3*	3.7*	2.4*	4.1*	3.7*	2.6*
White	7.0	10.8	3.6	4.4*	3.9*	3.4*	4.6*	4.0*	4.1*
White Hispanic ^e	12.8	19.6	7.0	3.2*	3.2*	2.6*	-	-	-
White Non-Hispanic ^e	6.1	9.5	3.1	4.3*	3.6*	2.6*	-	-	-
Black	9.4	15.6	4.6	3.9*	4.2*	2.7*	3.9*	3.8*	2.8*
Asian/Pacific Islander	14.1	21.6	8.1	0.5*	0.7*	0.3	-	-	-
Amer Ind/Alaska Nat ^f	13.7	20.7	8.0	3.0*	-	-	-	-	-
Hispanic ^e	12.2	18.7	6.7	3.1*	3.2*	2.6*	-	-	-
<u>U.S. Mortality^g</u>									
	Rate 2007-2011			Trend 2002-2011 ^h					
	Rate per 100,000 persons			AAPC (%)					
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females			
All Races	5.8	8.5	3.4	2.5*	2.6*	1.9*			
White	5.3	7.8	3.2	2.7*	2.8*	1.9*			
White Hispanic ^e	9.2	13.3	5.8	2.0*	2.0*	1.7*			
White Non-Hispanic ^e	5.0	7.3	3.0	2.6*	2.7*	1.8*			
Black	7.6	12.1	4.2	2.0*	2.3*	1.0*			
Asian/Pacific Islander	9.8	14.5	6.0	-0.8*	-0.8*	-0.7*			
Amer Ind/Alaska Nat									
Total U.S.	6.8	9.6	4.4	1.6*	1.9*	0.9			
CHSDA Counties	9.5	13.8	6.0	2.0*	2.5*	1.0			
Non-CHSDA Counties	3.6	4.8	2.5	-	-	-			
Hispanic ^e	8.7	12.6	5.5	1.9*	1.9*	1.6*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.1.0, April 2014, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, and Rural Georgia.

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

^c The 2002-2011 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2011.

^d The 2002-2011 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2011.

^e 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 2002-2011 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

^f Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

^g US Mortality Files, National Center for Health Statistics, CDC.

^h The 2002-2011 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2011.

* The APC is significantly different from zero (p<.05).