

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,
1975-2008 With up to Five Joinpoints, 1992-2008 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 | 1999-08 | 2004-08 |
| <u>SEER 9 Delay-Adjusted Incidence^a, 1975-2008</u> | | | | | | | | | | | | | | |
| All Races | 1975-08 | 3.7* | | | | | | | | | | | 3.7* | 3.7* |
| White | 1975-87 | 1.8* | 1987-98 | 5.5* | 1998-01 | -1.4 | 2001-08 | 5.5* | | | | | 3.9* | 5.5* |
| Black | 1975-08 | 3.7* | | | | | | | | | | | 3.7* | 3.7* |
| <u>SEER 13 Delay-Adjusted Incidence^b, 1992-2008</u> | | | | | | | | | | | | | | |
| All Races | 1992-08 | 3.6* | | | | | | | | | | | 3.6* | 3.6* |
| White | 1992-08 | 3.8* | | | | | | | | | | | 3.8* | 3.8* |
| Black | 1992-08 | 4.7* | | | | | | | | | | | 4.7* | 4.7* |
| <u>SEER 9 Observed Incidence^a, 1975-2008</u> | | | | | | | | | | | | | | |
| All Races | 1975-08 | 3.6* | | | | | | | | | | | 3.6* | 3.6* |
| White | 1975-84 | 1.9 | 1984-08 | 3.9* | | | | | | | | | 3.9* | 3.9* |
| Black | 1975-08 | 3.6* | | | | | | | | | | | 3.6* | 3.6* |
| <u>SEER 13 Observed Incidence^b, 1992-2008</u> | | | | | | | | | | | | | | |
| All Races | 1992-08 | 3.4* | | | | | | | | | | | 3.4* | 3.4* |
| White | 1992-08 | 3.6* | | | | | | | | | | | 3.6* | 3.6* |
| White NH ^{ef} | 1992-08 | 3.3* | | | | | | | | | | | 3.3* | 3.3* |
| Black | 1992-08 | 4.5* | | | | | | | | | | | 4.5* | 4.5* |
| Black NH ^{ef} | 1992-08 | 4.5* | | | | | | | | | | | 4.5* | 4.5* |
| API ^e | 1992-08 | 0.9* | | | | | | | | | | | 0.9* | 0.9* |
| AI/AN ^{eg} | 1992-08 | 2.7 | | | | | | | | | | | 2.7 | 2.7 |
| Hispanic ^f | 1992-08 | 2.7* | | | | | | | | | | | 2.7* | 2.7* |
| <u>U.S. Cancer Mortality^c, 1975-2008</u> | | | | | | | | | | | | | | |
| All Races | 1975-85 | 1.5* | 1985-96 | 3.8* | 1996-99 | 0.6 | 1999-08 | 2.5* | | | | | 2.5* | 2.5* |
| White | 1975-85 | 1.4* | 1985-96 | 3.9* | 1996-99 | 0.6 | 1999-08 | 2.5* | | | | | 2.5* | 2.5* |
| Black | 1975-01 | 1.6* | 2001-08 | 3.5* | | | | | | | | | 3.1* | 3.5* |
| <u>U.S. Cancer Mortality^c, 1992-2008</u> | | | | | | | | | | | | | | |
| All Races | 1992-08 | 2.2* | | | | | | | | | | | 2.2* | 2.2* |
| White | 1992-08 | 2.3* | | | | | | | | | | | 2.3* | 2.3* |
| White NH ^{ef} | 1992-08 | 2.2* | | | | | | | | | | | 2.2* | 2.2* |
| Black | 1992-08 | 2.3* | | | | | | | | | | | 2.3* | 2.3* |
| Black NH ^{ef} | 1992-08 | 2.6* | | | | | | | | | | | 2.6* | 2.6* |
| API ^e | 1992-08 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| AI/AN ^{eg} | 1992-08 | 1.9* | | | | | | | | | | | 1.9* | 1.9* |
| Hispanic ^f | 1992-08 | 1.4* | | | | | | | | | | | 1.4* | 1.4* |

Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. (<http://surveillance.cancer.gov/joinpoint/>).

The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^a Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

^b Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).

^c Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^d The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

^e API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic

^f 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 CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.

^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.