

Table 14.8  
Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

5-Year Relative and Period Survival (Percent) by Race, Sex, Diagnosis Year, Stage and Age

|  | All Races         |                   |                   | Whites            |                   |                   | Blacks            |       |                   |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|-------------------|
|  | Total             | Males             | Females           | Total             | Males             | Females           | Total             | Males | Females           |
| <b>5-Year Relative Survival (Percent)</b>                        |                   |                   |                   |                   |                   |                   |                   |       |                   |
| <b>Year of Diagnosis:</b>  |                   |                   |                   |                   |                   |                   |                   |       |                   |
| 1960-1963 <sup>a</sup>   | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -     | -                 |
| 1970-1973 <sup>a</sup>   | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -     | -                 |
| 1975-1977 <sup>b</sup>   | 3.4               | 1.8               | 6.3               | 3.4               | 2.0               | 5.8               | 1.8               | 0.0   | 5.6               |
| 1978-1980 <sup>b</sup>   | 3.3               | 2.2               | 5.4               | 3.3               | 2.2               | 4.8               | 3.6               | 3.0   | 5.0               |
| 1981-1983 <sup>b</sup>   | 3.6               | 2.9               | 5.0               | 3.8               | 3.0               | 5.2               | 2.8               | 2.1   | 4.7               |
| 1984-1986 <sup>b</sup>   | 5.7               | 3.7               | 9.5               | 5.7               | 3.7               | 9.1               | 4.4               | 2.1   | 9.1               |
| 1987-1989 <sup>b</sup>   | 4.9               | 3.2               | 8.0               | 5.7               | 3.4               | 9.4               | 2.7               | 1.6   | 4.9               |
| 1990-1992 <sup>b</sup>   | 5.6               | 4.9               | 7.0               | 6.2               | 5.1               | 8.3               | 2.6               | 2.0   | 3.6               |
| 1993-1995 <sup>b</sup>   | 5.6               | 5.3               | 6.1               | 5.2               | 4.9               | 5.7               | 4.0               | 2.8   | 7.3               |
| 1996-1998 <sup>b</sup>   | 8.5               | 8.3               | 9.1               | 8.4               | 7.6               | 10.2              | 4.6               | 5.9   | 2.0               |
| 1999-2001 <sup>b</sup>   | 11.2              | 10.7              | 12.2              | 10.2              | 9.5               | 11.6              | 7.6               | 6.8   | 9.5               |
| 2002-2004 <sup>b</sup>   | 14.7              | 14.7              | 14.5              | 14.0              | 14.4              | 12.8              | 9.6               | 7.3   | 15.8              |
| 2005-2011 <sup>b</sup>   | 18.3 <sup>f</sup> | 18.2 <sup>f</sup> | 18.4 <sup>f</sup> | 17.6 <sup>f</sup> | 17.8 <sup>f</sup> | 17.1 <sup>f</sup> | 13.0 <sup>f</sup> | 11.8  | 16.7 <sup>f</sup> |
| <b>5-Year Period Survival (Percent)<sup>cd</sup></b>             |                   |                   |                   |                   |                   |                   |                   |       |                   |
| 2011   | 18.3              | 17.8              | 19.7              | 17.7              | 17.3              | 18.6              | 13.0              | 11.5  | 17.4              |
| <b>Stage Distribution (%) 2005-2011<sup>ce</sup></b>             |                   |                   |                   |                   |                   |                   |                   |       |                   |
| <b>All Stages</b>  |                   |                   |                   |                   |                   |                   |                   |       |                   |
| Number of cases  | 40,095            | 29,199            | 10,896            | 27,645            | 20,272            | 7,373             | 5,000             | 3,708 | 1,292             |
| Percent  | 100%              | 100%              | 100%              | 100%              | 100%              | 100%              | 100%              | 100%  | 100%              |
| Localized  | 43                | 43                | 42                | 42                | 43                | 41                | 41                | 41    | 42                |
| Regional   | 27                | 28                | 25                | 26                | 27                | 24                | 29                | 29    | 27                |
| Distant  | 18                | 18                | 18                | 18                | 18                | 18                | 20                | 21    | 20                |
| Unstaged   | 13                | 12                | 15                | 14                | 12                | 16                | 10                | 9     | 12                |
| <b>5-Year Relative Survival (Percent), 2005-2011<sup>c</sup></b> |                   |                   |                   |                   |                   |                   |                   |       |                   |
| <b>Age at Diagnosis:</b>   |                   |                   |                   |                   |                   |                   |                   |       |                   |
| Ages <45   | 36.5              | 33.8              | 42.2              | 40.8              | 37.6              | 46.7              | 23.8              | 23.2  | 25.1 <sup>g</sup> |
| Ages 45-54   | 20.1              | 19.0              | 25.5              | 20.1              | 19.1              | 24.9              | 12.3              | 10.9  | 17.9              |
| Ages 55-64   | 19.4              | 17.9              | 25.7              | 19.6              | 18.1              | 26.1              | 12.4              | 10.9  | 19.1              |
| Ages 65-74   | 15.7              | 15.1              | 16.9              | 13.7              | 13.0              | 15.3              | 11.7              | 10.9  | 13.2              |
| Ages 75+   | 6.9               | 7.0               | 6.7               | 5.2               | 5.2               | 5.2               | 5.2               | 5.0   | 5.2               |
| Ages <65   | 21.1              | 19.5              | 27.9              | 21.4              | 19.7              | 28.6              | 13.4              | 11.8  | 19.7              |
| Ages 65+   | 11.6              | 11.7              | 11.2              | 9.6               | 9.6               | 9.5               | 9.4               | 9.1   | 9.8               |
| <b>Stage<sup>e</sup>:</b>  |                   |                   |                   |                   |                   |                   |                   |       |                   |
| All Stages   | 17.2              | 16.8              | 18.3              | 16.5              | 16.1              | 17.5              | 12.4              | 11.2  | 15.7              |
| Localized  | 30.5              | 30.1              | 31.6              | 29.1              | 28.7              | 30.3              | 23.7              | 21.9  | 29.1              |
| Regional   | 10.7              | 10.2              | 12.1              | 10.8              | 10.2              | 12.4              | 5.9               | 5.2   | 8.0               |
| Distant  | 3.1               | 2.4               | 5.1               | 3.3               | 2.5               | 5.6               | 1.7               | 1.3   | 3.4               |
| Unstaged   | 6.1               | 5.9               | 6.5               | 5.6               | 5.5               | 5.8               | 4.9               | 4.2   | 6.3               |

<sup>a</sup> Based on End Results data from a series of hospital registries and one population-based registry.

<sup>b</sup> SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

<sup>c</sup> Based on follow-up of patients into 2012.

<sup>d</sup> SEER 18 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey and Georgia excluding ATL/RG).

<sup>e</sup> Based on follow-up of patients into 2012.

<sup>f</sup> Period survival provides a 2011 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2009-2011: 0-1 year survival), (2008-2010: 1-2 year survival), (2007-2009: 2-3 year survival), (2006-2008: 3-4 year survival), (2005-2007: 4-5 years survival).

<sup>g</sup> Stage at diagnosis is classified using SEER Summary Stage 2000. Stage distribution percentages may not sum to 100 due to rounding.

<sup>h</sup> The difference between 1975-1977 and 2005-2011 is statistically significant ( $p < .05$ ).

<sup>i</sup> The standard error is between 5 and 10 percentage points.

<sup>j</sup> The standard error is greater than 10 percentage points.

<sup>k</sup> Statistic could not be calculated due to fewer than 25 cases during the time period.