

Table 15.14  
Non-Small Cell Cancer of the Lung and Bronchus (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           |
| 5-Year Relative Survival (Percent)                         |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| Year of Diagnosis:   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 1975-1977 <sup>a</sup>                                     | 16.4              | 14.8              | 21.0              | 16.7              | 15.0              | 21.4              | 13.4              | 12.4              | 17.7              |
| 1978-1980 <sup>a</sup>                                     | 16.7              | 14.8              | 21.4              | 17.0              | 15.2              | 21.5              | 14.2              | 11.6              | 22.8              |
| 1981-1983 <sup>a</sup>                                     | 17.1              | 15.0              | 21.8              | 17.5              | 15.4              | 22.1              | 13.9              | 12.2              | 19.2              |
| 1984-1986 <sup>a</sup>                                     | 16.6              | 14.4              | 21.0              | 17.0              | 14.7              | 21.5              | 13.1              | 11.9              | 16.4              |
| 1987-1989 <sup>a</sup>                                     | 16.9              | 15.2              | 19.8              | 17.3              | 15.5              | 20.5              | 13.2              | 12.9              | 13.9              |
| 1990-1992 <sup>a</sup>                                     | 17.7              | 15.5              | 21.1              | 18.3              | 16.2              | 21.7              | 12.8              | 11.1              | 16.2              |
| 1993-1995 <sup>a</sup>                                     | 18.7              | 16.1              | 22.5              | 19.3              | 16.5              | 23.2              | 15.1              | 13.3              | 18.5              |
| 1996-1998 <sup>a</sup>                                     | 19.4              | 16.7              | 22.9              | 19.9              | 17.1              | 23.5              | 15.3              | 12.8              | 19.4              |
| 1999-2001 <sup>a</sup>                                     | 20.0              | 16.8              | 24.0              | 20.7              | 17.5              | 24.6              | 14.8              | 12.0              | 18.9              |
| 2002-2004 <sup>a</sup>                                     | 19.6              | 17.0              | 22.8              | 20.4              | 17.6              | 23.7              | 14.9              | 13.9              | 16.4              |
| 2005-2007 <sup>a</sup>                                     | 21.5              | 18.3              | 25.2              | 22.5              | 19.1              | 26.3              | 15.7              | 13.6              | 18.1              |
| 2008-2014 <sup>a</sup>                                     | 24.2 <sup>e</sup> | 20.2 <sup>e</sup> | 28.6 <sup>e</sup> | 24.7 <sup>e</sup> | 20.7 <sup>e</sup> | 29.0 <sup>e</sup> | 21.0 <sup>e</sup> | 16.9 <sup>e</sup> | 25.6 <sup>e</sup> |
| 5-Year Period Survival (Percent) <sup>bc</sup>             |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 2014   | 23.3              | 19.0              | 28.1              | 23.7              | 19.4              | 28.5              | 18.8              | 15.2              | 23.3              |
| Stage Distribution (%) 2008-2014 <sup>bd</sup>             |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| All Stages   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| Number of cases  | 198,878           | 105,730           | 93,148            | 158,856           | 83,531            | 75,325            | 24,312            | 13,524            | 10,788            |
| Percent  | 100%              | 100%              | 100%              | 100%              | 100%              | 100%              | 100%              | 100%              | 100%              |
| Localized  | 19                | 17                | 22                | 20                | 17                | 23                | 15                | 13                | 17                |
| Regional   | 24                | 24                | 23                | 24                | 25                | 24                | 24                | 23                | 25                |
| Distant  | 55                | 57                | 53                | 54                | 56                | 51                | 59                | 62                | 56                |
| Unstaged/Unknown   | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 |
| 5-Year Relative Survival (Percent), 2008-2014 <sup>b</sup> |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| Age at Diagnosis:  |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| Ages <45   | 35.0              | 29.3              | 40.2              | 37.0              | 30.5              | 42.7              | 28.2              | 25.2              | 31.7              |
| Ages 45-54   | 24.0              | 18.9              | 29.5              | 24.9              | 19.7              | 30.5              | 19.6              | 14.6              | 25.1              |
| Ages 55-64   | 23.6              | 19.5              | 29.0              | 24.1              | 19.9              | 29.4              | 19.3              | 16.0              | 24.4              |
| Ages 65-74   | 24.1              | 20.0              | 29.0              | 24.8              | 20.6              | 29.5              | 18.5              | 15.0              | 22.9              |
| Ages 75+   | 18.8              | 15.5              | 22.1              | 19.2              | 15.9              | 22.5              | 14.7              | 10.6              | 18.5              |
| Ages <65   | 24.3              | 19.8              | 29.9              | 25.0              | 20.4              | 30.5              | 19.8              | 16.1              | 25.0              |
| Ages 65+   | 21.7              | 18.0              | 25.6              | 22.2              | 18.5              | 26.0              | 17.0              | 13.5              | 21.0              |
| Stage <sup>d</sup> :                                       |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| All Stages   | 22.7              | 18.7              | 27.1              | 23.2              | 19.2              | 27.6              | 18.5              | 14.9              | 23.0              |
| Localized  | 60.1              | 53.7              | 65.6              | 60.3              | 54.2              | 65.5              | 55.2              | 47.0              | 62.8              |
| Regional   | 33.4              | 29.0              | 38.4              | 33.4              | 29.1              | 38.3              | 29.7              | 25.9              | 34.1              |
| Distant  | 5.5               | 4.5               | 6.7               | 5.3               | 4.3               | 6.5               | 5.0               | 4.1               | 6.2               |
| Unstaged/Unknown   | 13.8              | 12.9              | 14.9              | 13.1              | 11.9              | 14.3              | 12.0              | 10.1              | 14.3              |

Note: Non-Small Cell Cancer of the Lung and Bronchus includes histologies 8003-8004, 8012-8015, 8021-8022, 8030-8035, 8046, 8050-8052, 8070-8076, 8078, 8082-8084, 8090, 8094, 8120, 8123, 8140-8141, 8143-8145, 8147, 8190, 8200-8201, 8211, 8240-8241, 8243-8246, 8249-8255, 8260, 8290, 8310, 8320, 8323, 8333, 8401, 8430, 8440, 8470-8471, 8480-8481, 8490, 8503, 8507, 8525, 8550, 8560, 8562, 8570-8572, 8574-8576.

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

Based on follow-up of patients into 2015. [Expected survival rates](#) are derived from the U.S. Annual Life Tables.

<sup>b</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). Expected survival rates are derived from life tables by socio-economic status, geography and race developed by the SEER program.

Based on follow-up of patients into 2015.

<sup>c</sup> Period survival provides a 2014 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2010-2012: 0-1 year survival), (2009-2011: 1-2 year survival), (2008-2010: 2-3 year survival), (2007-2009: 3-4 year survival), (2006-2008: 4-5 years survival).

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

<sup>e</sup> The difference between 1975-1977 and 2008-2014 is statistically significant ( $p < .05$ ).

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

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

- Statistic could not be calculated due to fewer than 25 cases during the time period.