

Table 15.17  
Cancer of the Lung and Bronchus (Invasive)

SEER<sup>a</sup> Relative Survival (Percent)  
By Year of Diagnosis

All Races, Females

Year of Diagnosis

|               | 1975-<br>1979 | 1980-<br>1984 | 1985-<br>1989 | 1990-<br>1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|---------------|---------------|---------------|---------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Survival Time |               |               |               |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 1-year        | 40.5          | 41.3          | 42.2          | 42.8          | 43.5 | 42.5 | 43.3 | 43.7 | 45.4 | 43.6 | 44.2 | 45.0 | 44.9 | 45.8 | 47.4 | 47.1 | 48.2 | 48.8 | 49.1 | 49.0 | 51.3 | 50.5 | 53.5 | 52.3 | 53.3 |
| 2-year        | 25.3          | 25.7          | 25.5          | 26.7          | 27.4 | 26.9 | 26.9 | 28.4 | 29.5 | 28.5 | 29.7 | 30.5 | 29.9 | 31.2 | 32.4 | 32.5 | 34.3 | 34.6 | 35.6 | 35.3 | 37.3 | 35.9 | 39.6 | 38.8 |      |
| 3-year        | 20.3          | 20.5          | 19.7          | 21.1          | 21.6 | 21.4 | 21.2 | 22.9 | 23.6 | 22.8 | 23.0 | 24.0 | 23.8 | 25.5 | 26.1 | 26.6 | 27.4 | 27.8 | 28.9 | 28.6 | 30.7 | 29.4 | 32.7 |      |      |
| 4-year        | 17.8          | 17.8          | 17.2          | 18.3          | 18.8 | 18.3 | 18.5 | 19.9 | 20.5 | 19.9 | 19.9 | 20.4 | 20.6 | 21.4 | 22.7 | 23.0 | 23.8 | 24.1 | 25.1 | 24.8 | 27.1 | 25.6 |      |      |      |
| 5-year        | 16.1          | 16.0          | 15.4          | 16.4          | 16.4 | 16.5 | 16.4 | 17.4 | 18.3 | 17.7 | 17.8 | 17.9 | 18.3 | 19.0 | 20.2 | 20.4 | 21.2 | 21.2 | 23.0 | 22.4 | 24.2 |      |      |      |      |
| 6-year        | 15.0          | 14.6          | 14.1          | 15.1          | 15.0 | 15.2 | 15.0 | 16.1 | 16.8 | 16.1 | 15.8 | 16.4 | 16.8 | 17.6 | 18.5 | 18.8 | 19.6 | 19.5 | 20.9 | 20.6 |      |      |      |      |      |
| 7-year        | 14.0          | 13.6          | 12.9          | 13.9          | 13.9 | 14.1 | 14.0 | 14.9 | 15.6 | 15.0 | 14.6 | 15.0 | 15.3 | 16.3 | 17.1 | 17.6 | 18.1 | 17.9 | 19.5 |      |      |      |      |      |      |
| 8-year        | 13.1          | 12.8          | 12.0          | 13.0          | 13.1 | 13.1 | 12.8 | 13.9 | 14.7 | 13.6 | 13.8 | 14.0 | 13.6 | 15.3 | 16.0 | 16.4 | 16.9 | 16.3 |      |      |      |      |      |      |      |
| 9-year        | 12.4          | 11.9          | 11.2          | 12.1          | 12.3 | 11.9 | 11.9 | 13.1 | 13.8 | 12.8 | 12.7 | 13.1 | 12.6 | 14.3 | 14.8 | 15.0 | 15.9 |      |      |      |      |      |      |      |      |
| 10-year       | 11.6          | 11.1          | 10.4          | 11.3          | 11.6 | 11.1 | 11.2 | 12.4 | 13.1 | 12.0 | 12.2 | 12.3 | 11.8 | 13.3 | 13.9 | 14.1 |      |      |      |      |      |      |      |      |      |
| 11-year       | 11.1          | 10.5          | 9.8           | 10.6          | 11.0 | 10.7 | 10.6 | 11.9 | 12.2 | 11.4 | 11.4 | 11.3 | 11.3 | 12.4 | 13.1 |      |      |      |      |      |      |      |      |      |      |
| 12-year       | 10.6          | 9.9           | 9.2           | 9.9           | 10.1 | 10.1 | 9.9  | 11.3 | 11.4 | 10.7 | 10.7 | 10.5 | 10.6 | 11.6 |      |      |      |      |      |      |      |      |      |      |      |
| 13-year       | 10.2          | 9.3           | 8.8           | 9.4           | 9.4  | 9.6  | 9.4  | 10.4 | 10.7 | 10.2 | 10.1 | 9.9  | 9.9  |      |      |      |      |      |      |      |      |      |      |      |      |
| 14-year       | 9.7           | 8.9           | 8.2           | 9.0           | 8.7  | 9.1  | 8.9  | 9.7  | 10.0 | 9.6  | 9.5  | 9.5  |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 15-year       | 9.2           | 8.4           | 7.8           | 8.4           | 8.4  | 8.7  | 8.3  | 9.1  | 9.5  | 9.1  | 9.2  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 16-year       | 8.9           | 8.0           | 7.4           | 7.9           | 7.9  | 8.2  | 7.6  | 8.6  | 8.9  | 9.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 17-year       | 8.4           | 7.7           | 7.0           | 7.4           | 7.3  | 7.8  | 7.2  | 8.0  | 8.5  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 18-year       | 8.0           | 7.2           | 6.7           | 7.0           | 6.8  | 7.4  | 6.7  | 7.8  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 19-year       | 7.7           | 6.6           | 6.3           | 6.5           | 6.5  | 6.9  | 6.4  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 20-year       | 7.4           | 6.3           | 6.1           | 6.2           | 6.3  | 6.4  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 21-year       | 6.9           | 5.9           | 5.9           | 5.9           | 6.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 22-year       | 6.5           | 5.6           |               | 5.6           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 23-year       | 6.2           | 5.3           | 5.4           |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 24-year       | 6.0           | 5.1           | 5.1           |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 25-year       | 5.8           | 4.8           | 4.9           |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 26-year       | 5.6           | 4.6           | 4.8           |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 27-year       | 5.4           | 4.2           | 4.6           |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 28-year       | 5.2           | 4.0           |               |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 29-year       | 4.9           | 3.7           |               |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 30-year       | 4.6           | 3.6           |               |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

<sup>a</sup> Based on the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). [Expected survival rates](#) are derived from the U.S. Annual Life Tables.