

Table 2.11  
All Cancer Sites (Invasive)

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

All Races, Females

Year of Diagnosis

| Survival Time | 1975-1979 | 1980-1984 | 1985-1989 | 1990-1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---------------|-----------|-----------|-----------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1-year        | 74.6      | 74.8      | 76.6      | 77.4      | 78.0 | 77.8 | 78.5 | 79.2 | 79.5 | 79.4 | 79.9 | 80.3 | 80.1 | 80.4 | 80.7 | 80.9 | 81.4 | 81.9 | 82.2 | 82.3 | 82.9 | 83.2 | 83.5 | 83.4 | 84.1 | 84.1 |
| 2-year        | 66.1      | 66.2      | 68.7      | 70.1      | 70.8 | 71.0 | 71.6 | 72.6 | 73.1 | 73.0 | 73.8 | 74.4 | 74.0 | 74.2 | 74.6 | 75.2 | 75.7 | 76.1 | 76.5 | 76.7 | 77.3 | 77.3 | 78.0 | 78.1 | 78.8 |      |
| 3-year        | 61.3      | 61.2      | 64.2      | 65.9      | 67.0 | 67.3 | 67.9 | 69.1 | 69.5 | 69.6 | 70.2 | 70.9 | 70.5 | 70.9 | 71.3 | 72.0 | 72.1 | 72.7 | 73.2 | 73.3 | 74.0 | 74.0 | 74.8 | 74.8 |      |      |
| 4-year        | 58.0      | 57.9      | 61.4      | 63.2      | 64.3 | 64.8 | 65.4 | 66.6 | 67.1 | 67.3 | 68.0 | 68.5 | 68.2 | 68.4 | 69.1 | 69.7 | 70.0 | 70.6 | 71.0 | 71.0 | 71.8 | 71.9 | 72.6 |      |      |      |
| 5-year        | 55.6      | 55.3      | 59.0      | 61.2      | 62.4 | 62.8 | 63.5 | 64.6 | 65.3 | 65.7 | 66.2 | 66.6 | 66.3 | 66.6 | 67.3 | 67.9 | 68.3 | 68.6 | 69.3 | 69.3 | 70.0 | 70.1 |      |      |      |      |
| 6-year        | 53.6      | 53.4      | 57.3      | 59.6      | 61.0 | 61.3 | 62.0 | 63.2 | 63.8 | 64.4 | 64.9 | 65.3 | 65.0 | 65.3 | 66.0 | 66.7 | 67.0 | 67.3 | 68.0 | 68.1 | 68.6 |      |      |      |      |      |
| 7-year        | 52.1      | 51.7      | 55.8      | 58.2      | 59.6 | 60.2 | 60.9 | 62.1 | 62.6 | 63.2 | 63.7 | 64.1 | 63.8 | 64.2 | 65.0 | 65.6 | 66.0 | 66.1 | 66.8 | 67.0 |      |      |      |      |      |      |
| 8-year        | 50.8      | 50.4      | 54.6      | 57.1      | 58.6 | 59.1 | 60.0 | 61.2 | 61.6 | 62.2 | 62.7 | 63.2 | 62.9 | 63.4 | 64.2 | 64.7 | 65.1 | 65.1 | 65.8 |      |      |      |      |      |      |      |
| 9-year        | 49.7      | 49.2      | 53.5      | 56.1      | 57.7 | 58.1 | 58.9 | 60.2 | 60.8 | 61.3 | 61.7 | 62.3 | 62.1 | 62.5 | 63.3 | 63.9 | 64.2 | 64.2 |      |      |      |      |      |      |      |      |
| 10-year       | 48.7      | 48.1      | 52.5      | 55.3      | 57.0 | 57.3 | 58.1 | 59.3 | 60.1 | 60.6 | 61.1 | 61.7 | 61.2 | 61.7 | 62.5 | 63.2 | 63.4 |      |      |      |      |      |      |      |      |      |
| 11-year       | 47.8      | 47.1      | 51.7      | 54.4      | 56.1 | 56.7 | 57.4 | 58.6 | 59.2 | 59.8 | 60.4 | 61.1 | 60.6 | 61.0 | 61.8 | 62.6 |      |      |      |      |      |      |      |      |      |      |
| 12-year       | 47.1      | 46.4      | 50.9      | 53.7      | 55.4 | 56.1 | 56.9 | 58.1 | 58.5 | 59.2 | 59.5 | 60.3 | 60.0 | 60.5 | 61.1 |      |      |      |      |      |      |      |      |      |      |      |
| 13-year       | 46.4      | 45.6      | 50.1      | 53.0      | 54.5 | 55.4 | 56.3 | 57.3 | 57.9 | 58.5 | 58.8 | 59.7 | 59.4 | 59.7 |      |      |      |      |      |      |      |      |      |      |      |      |
| 14-year       | 45.8      | 44.9      | 49.5      | 52.4      | 54.0 | 54.7 | 55.7 | 56.8 | 57.2 | 58.0 | 58.2 | 59.2 | 58.7 |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 15-year       | 45.1      | 44.3      | 48.9      | 51.9      | 53.5 | 54.1 | 55.1 | 56.1 | 56.7 | 57.4 | 57.8 | 58.7 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 16-year       | 44.6      | 43.6      | 48.3      | 51.3      | 52.9 | 53.6 | 54.4 | 55.6 | 56.0 | 56.9 | 57.3 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 17-year       | 44.1      | 43.0      | 47.8      | 50.7      | 52.4 | 52.9 | 54.1 | 55.1 | 55.5 | 56.4 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 18-year       | 43.6      | 42.5      | 47.3      | 50.2      | 51.6 | 52.4 | 53.6 | 54.8 | 54.9 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 19-year       | 43.2      | 42.0      | 46.9      | 49.6      | 51.2 | 51.7 | 53.1 | 54.2 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 20-year       | 42.7      | 41.6      | 46.5      | 49.1      | 50.7 | 51.1 | 52.5 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 21-year       | 42.2      | 41.0      | 46.0      | 48.6      | 50.2 | 50.3 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 22-year       | 41.8      | 40.6      | 45.6      | 48.0      | 49.6 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 23-year       | 41.4      | 40.2      | 45.1      | 47.6      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 24-year       | 40.9      | 39.7      | 44.7      |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 25-year       | 40.4      | 39.2      | 44.3      |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 26-year       | 40.1      | 38.9      | 43.7      |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 27-year       | 39.7      | 38.4      | 43.2      |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 28-year       | 39.3      | 38.0      | 42.7      |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 29-year       | 39.0      | 37.7      |           |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 30-year       | 38.6      | 37.2      |           |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

<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.