

Table 2.8  
All Cancer Sites (Invasive)

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

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
5-Year Relative Survival (Percent)									
Year of Diagnosis:									
1960-1963 <sup>a</sup>	-	-	-	39	-	-	27	-	-
1970-1973 <sup>a</sup>	-	-	-	43	-	-	31	-	-
1975-1977 <sup>b</sup>	48.9	41.7	55.9	49.8	42.7	56.5	39.1	32.7	46.3
1978-1980 <sup>b</sup>	49.0	43.1	54.9	50.0	44.3	55.6	39.0	33.3	45.6
1981-1983 <sup>b</sup>	50.2	45.2	55.1	51.3	46.5	56.0	38.8	34.2	44.4
1984-1986 <sup>b</sup>	52.4	47.1	57.6	53.6	48.6	58.6	40.2	35.5	45.5
1987-1989 <sup>b</sup>	55.3	51.1	59.6	56.7	52.8	60.6	43.0	38.9	47.7
1990-1992 <sup>b</sup>	59.9	59.1	60.9	61.4	60.8	62.1	47.9	47.7	48.2
1993-1995 <sup>b</sup>	61.3	60.9	61.8	62.4	62.1	62.8	52.9	54.6	50.7
1996-1998 <sup>b</sup>	63.3	63.0	63.6	64.4	64.1	64.7	55.4	58.1	52.2
1999-2001 <sup>b</sup>	66.0	66.3	65.7	67.2	67.6	66.8	58.2	61.3	54.4
2002-2004 <sup>b</sup>	67.1	67.7	66.5	68.4	69.0	67.7	59.8	63.5	55.5
2005-2009 <sup>b</sup>	68.9	69.5	68.3	70.0	70.6	69.5	62.6	65.9	58.8
2010-2016 <sup>b</sup>	69.5 <sup>e</sup>	68.6 <sup>e</sup>	70.5 <sup>e</sup>	70.5 <sup>e</sup>	69.5 <sup>e</sup>	71.5 <sup>e</sup>	64.1 <sup>e</sup>	66.1 <sup>e</sup>	62.1 <sup>e</sup>
5-Year Period Survival (Percent) <sup>cd</sup>									
2016	67.7	66.3	69.1	68.0	66.2	69.7	63.0	64.4	61.4
5-Year Relative Survival (Percent), 2010-2016 <sup>c</sup>									
Age at Diagnosis:									
Ages <45	83.3	79.4	85.8	84.6	80.9	87.0	74.1	69.2	76.9
Ages 45-54	75.3	69.7	79.6	76.0	70.0	80.7	68.6	67.5	69.6
Ages 55-64	70.1	68.6	71.9	70.9	69.0	73.1	63.8	65.5	61.4
Ages 65-74	67.4	68.8	65.6	67.7	68.7	66.4	62.5	66.8	56.7
Ages 75+	50.8	52.8	49.0	51.5	52.9	50.1	44.4	48.7	41.1
Ages <65	74.3	70.6	77.7	75.1	71.1	78.8	67.0	66.5	67.6
Ages 65+	60.1	62.4	57.5	60.4	62.2	58.3	55.8	61.2	49.8

<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).  
Based on follow-up of patients into 2017. [Expected survival rates](#) are derived from the U.S. Annual Life Tables.  
<sup>c</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 2017.  
<sup>d</sup> Period survival provides a 2016 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>e</sup> The difference between 1975-1977 and 2010-2016 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.