

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 ^a	-	-	-	39	-	-	27	-	-
1970-1973 ^a	-	-	-	43	-	-	31	-	-
1975-1977 ^b	48.9	41.7	55.9	49.8	42.7	56.5	39.1	32.7	46.2
1978-1980 ^b	49.0	43.1	55.0	50.0	44.3	55.6	39.0	33.3	45.6
1981-1983 ^b	50.2	45.2	55.1	51.3	46.6	56.0	38.8	34.2	44.4
1984-1986 ^b	52.4	47.2	57.6	53.6	48.6	58.6	40.2	35.5	45.5
1987-1989 ^b	55.3	51.2	59.6	56.7	52.8	60.6	43.0	38.9	47.7
1990-1992 ^b	59.9	59.1	60.9	61.4	60.8	62.1	47.9	47.7	48.2
1993-1995 ^b	61.3	60.9	61.8	62.4	62.1	62.8	52.9	54.6	50.7
1996-1998 ^b	63.3	63.0	63.7	64.4	64.1	64.7	55.4	58.1	52.2
1999-2001 ^b	66.0	66.3	65.7	67.2	67.6	66.8	58.1	61.3	54.4
2002-2004 ^b	67.1	67.7	66.5	68.4	69.0	67.7	59.7	63.4	55.5
2005-2008 ^b	68.7	69.4	68.0	69.8	70.4	69.2	62.0	65.5	58.1
2009-2015 ^b	69.3 ^e	68.7 ^e	70.0 ^e	70.3 ^e	69.6 ^e	71.0 ^e	63.6 ^e	65.7 ^e	61.4 ^e
5-Year Period Survival (Percent) ^{cd}									
2015	67.1	65.7	68.4	67.4	65.7	69.1	61.8	63.0	60.3
5-Year Relative Survival (Percent), 2009-2015 ^c									
Age at Diagnosis:									
Ages <45	82.9	78.8	85.5	84.3	80.3	86.8	73.3	68.1	76.2
Ages 45-54	74.7	69.2	79.0	75.6	69.7	80.2	67.3	66.3	68.1
Ages 55-64	70.0	68.7	71.6	70.8	69.1	72.8	63.4	65.0	61.1
Ages 65-74	67.2	68.9	64.9	67.5	68.9	65.7	61.9	66.3	56.0
Ages 75+	50.7	52.9	48.6	51.3	52.9	49.7	43.2	47.8	39.6
Ages <65	73.9	70.4	77.3	74.8	71.0	78.4	66.3	67.8	66.9
Ages 65+	59.7	62.3	56.7	60.0	62.2	57.6	54.8	60.5	48.6

^a Based on End Results data from a series of hospital registries and one population-based registry.
^b SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).
Based on follow-up of patients into 2016. [Expected survival rates](#) are derived from the U.S. Annual Life Tables.
^c 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.
^d Based on follow-up of patients into 2016.
Period survival provides a 2015 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).
^e The difference between 1975-1977 and 2009-2015 is statistically significant (p<.05).
^f The standard error is between 5 and 10 percentage points.
^g The standard error is greater than 10 percentage points.
- Statistic could not be calculated due to fewer than 25 cases during the time period.