Table 23.8
Cancer of the Prostate (Invasive)

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

	All Races, Males			White Males			Black Males		
	All	<65	65+	All	<65	65+	All	<65	65+
5-Year Relative Survival (Percent)									
Year of Diagnosis:									
1960-1963[a]	–	–	–	50	–	–	35	–	–
1970-1973[a]	–	–	–	63	–	–	55	–	–
1975-1977[b]	67.8	73.4	66.1	68.5	75.2	66.6	60.7	62.0	60.1
1978-1980[b]	70.1	75.2	68.6	71.2	76.7	69.6	62.1	65.0	60.6
1981-1983[b]	72.0	76.0	70.9	73.1	77.6	71.9	62.8	65.0	61.9
1984-1986[b]	75.2	77.4	74.6	76.4	79.1	75.7	65.7	67.3	64.9
1987-1989[b]	82.8	83.2	82.7	84.4	84.7	84.3	71.1	72.7	70.6
1990-1992[b]	92.9	93.0	92.9	94.1	94.0	94.1	84.5	86.8	83.6
1993-1995[b]	95.2	95.9	94.9	96.0	96.6	95.7	91.8	93.4	90.9
1996-1998[b]	97.4	98.5	96.7	97.9	99.0	97.4	95.0	96.7	93.6
1999-2001[b]	99.3	99.1	99.3	99.7	99.5	99.6	97.4	98.0	96.4
2002-2004[b]	99.7	99.5	99.7	99.8	99.6	99.7	97.9	99.1	96.2
2005-2007[b]	99.6	99.5	99.6	99.8	99.9	99.6	97.6	97.9	97.2
2008-2014[b]	98.9[f]	99.4[f]	98.4[f]	99.2[f]	99.7[f]	98.8[f]	97.1[f]	98.2[f]	95.4[f]
5-Year Period Survival (Percent)[cd]									
2014	97.7	98.4	97.1	97.6	98.5	97.0	95.5	97.4	93.1
Stage Distribution (%) 2008-2014[ce]									
All Stages									
Number of cases	345,915	154,946	190,969	262,495	113,650	148,845	53,692	29,921	23,771
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	78	78	78	78	78	78	80	80	80
Regional	12	16	10	13	17	10	10	13	7
Distant	5	4	6	5	3	6	6	5	8
Unstaged/Unknown	4	2	6	3	2	5	3	2	5
5-Year Relative Survival (Percent), 2008-2014[c]									
Age at Diagnosis:									
Ages <45	96.0	–	–	94.9	–	–	97.5	–	–
Ages 45-54	97.7	–	–	97.6	–	–	97.7	–	–
Ages 55-64	99.0	–	–	99.2	–	–	97.5	–	–
Ages 65-74	100.0	–	–	100.0	–	–	97.1	–	–
Ages 75+	92.4	–	–	92.1	–	–	85.2	–	–
Ages <65	98.6	–	–	98.8	–	–	97.6	–	–
Ages 65+	97.9	–	–	98.0	–	–	94.1	–	–
Stage[e]:									
All Stages	98.2	98.6	97.9	98.3	98.8	98.0	96.1	97.6	94.1
Localized	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Regional	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	99.3
Distant	30.0	33.6	28.3	29.1	32.7	27.6	30.0	33.3	27.3
Unstaged/Unknown	80.9	91.1	77.5	73.8	88.0	69.6	68.7	84.8	60.7

[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 2015. 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.
    Based on follow-up of patients into 2015.
[d] 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).
[e] Stage at diagnosis is classified using SEER Summary Stage 2000. Stage distribution percentages may not sum to 100 due to rounding.
[f] The difference between 1975-1977 and 2008-2014 is statistically significant (p<.05).
[g] The standard error is between 5 and 10 percentage points.
[h] The standard error is greater than 10 percentage points.
– Statistic could not be calculated due to fewer than 25 cases during the time period.