

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 <sup>a</sup>	-	-	-	50	-	-	35	-	-
1970-1973 <sup>a</sup>	-	-	-	63	-	-	55	-	-
1975-1977 <sup>b</sup>	68.3	73.7	66.6	69.0	75.4	67.1	61.0	62.2	60.5
1978-1980 <sup>b</sup>	70.5	75.5	69.1	71.7	77.1	70.1	62.1	65.2	60.8
1981-1983 <sup>b</sup>	72.4	76.3	71.4	73.5	77.9	72.3	63.2	65.4	62.3
1984-1986 <sup>b</sup>	75.5	77.6	75.0	76.8	79.3	76.2	65.8	67.6	65.2
1987-1989 <sup>b</sup>	83.2	83.3	83.2	84.8	84.8	84.8	71.5	72.7	71.2
1990-1992 <sup>b</sup>	93.3	93.1	93.3	94.4	94.1	94.5	84.6	86.6	83.8
1993-1995 <sup>b</sup>	95.4	95.9	95.2	96.1	96.6	95.9	91.7	93.2	90.9
1996-2000 <sup>b</sup>	98.3	98.7	98.1	98.9	99.1	98.7	95.6	97.2	94.3
2001-2007 <sup>b</sup>	99.9 <sup>e</sup>	99.7 <sup>e</sup>	99.9 <sup>e</sup>	99.9 <sup>e</sup>	99.8 <sup>e</sup>	99.9 <sup>e</sup>	97.9 <sup>e</sup>	99.1 <sup>e</sup>	96.2 <sup>e</sup>
5-Year Period Survival (Percent) <sup>cd</sup>									
2007	99.4	99.2	99.3	99.6	99.3	99.5	96.5	98.7	94.1
Stage Distribution (%) 2001-2007 <sup>c</sup>									
All Stages									
Number of cases	332,115	132,852	199,263	263,353	103,366	159,987	41,690	21,015	20,675
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	81	79	83	81	79	83	80	79	82
Regional	12	17	8	12	18	8	11	15	7
Distant	4	3	5	4	3	5	6	4	7
Unstaged	3	1	4	3	1	4	3	1	4
5-Year Relative Survival (Percent), 2001-2007 <sup>c</sup>									
Age at Diagnosis:									
Ages <45	96.4	-	-	96.1	-	-	96.6	-	-
Ages 45-54	98.2	-	-	98.3	-	-	97.6	-	-
Ages 55-64	99.5	-	-	99.7	-	-	98.4	-	-
Ages 65-74	100.0	-	-	100.0	-	-	97.8	-	-
Ages 75+	97.4	-	-	98.0	-	-	85.9	-	-
Ages <65	99.1	-	-	99.3	-	-	98.2	-	-
Ages 65+	99.5	-	-	99.7	-	-	94.1	-	-
Stage:									
All Stages	99.4	99.1	99.5	99.7	99.3	99.7	96.2	98.2	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	100.0	100.0	100.0	100.0	98.6
Distant	28.7	30.8	27.9	28.1	30.4	27.4	27.9	30.4	26.2
Unstaged	69.9	83.4	66.8	68.8	83.4	65.9	58.8	74.4	52.8

<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 2008.

<sup>c</sup> SEER 17 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 and New Jersey).  
Based on follow-up of patients into 2008.

<sup>d</sup> Period survival provides a 2007 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2005-2007: 0-1 year survival), (2004-2006: 1-2 year survival), (2003-2005: 2-3 year survival), (2002-2004: 3-4 year survival), (2001-2003: 4-5 years survival).  
The difference between 1975-1977 and 2001-2007 is statistically significant (p<.05).

<sup>e</sup> The standard error is between 5 and 10 percentage points.

<sup>f</sup> The standard error is greater than 10 percentage points.

<sup>g</sup> - Statistic could not be calculated due to fewer than 25 cases during the time period.