

Table 27.8  
Cancer of the Urinary Bladder (Invasive and *In Situ*)

5-Year Relative and Period Survival (Percent) by Race, Sex, Diagnosis Year, Stage 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>	-	-	-	53	53	53	24	24	24
1970-1973 <sup>a</sup>	-	-	-	61	61	60	36	38	27
1975-1977 <sup>b</sup>	72.5	74.0	68.4	73.5	74.6	70.3	50.3	56.5	38.1 <sup>g</sup>
1978-1980 <sup>b</sup>	74.1	75.3	70.4	74.9	75.7	72.4	54.6	62.7	40.4
1981-1983 <sup>b</sup>	77.0	78.4	73.1	77.7	78.9	74.3	59.7	64.9	47.6 <sup>g</sup>
1984-1986 <sup>b</sup>	76.9	78.3	72.9	77.5	78.7	73.9	59.7	62.8	52.9
1987-1989 <sup>b</sup>	79.2	81.6	72.2	80.0	82.2	73.5	62.5	67.6	52.6
1990-1992 <sup>b</sup>	79.6	82.1	72.3	80.6	83.0	73.4	63.4	66.1	58.8
1993-1995 <sup>b</sup>	80.6	82.4	75.4	81.4	82.8	77.3	60.0	67.0	45.8
1996-1998 <sup>b</sup>	79.4	80.7	75.8	80.1	81.4	76.3	62.1	64.8	55.4
1999-2001 <sup>b</sup>	80.3	81.2	77.6	81.4	81.9	79.8	67.3	71.6	60.1
2002-2008 <sup>b</sup>	79.8 <sup>f</sup>	81.6 <sup>f</sup>	74.4 <sup>f</sup>	80.7 <sup>f</sup>	82.2 <sup>f</sup>	75.8 <sup>f</sup>	62.1 <sup>f</sup>	66.8 <sup>f</sup>	53.5 <sup>f</sup>
5-Year Period Survival (Percent) <sup>cd</sup>									
2008	77.8	79.7	72.0	78.3	79.9	73.2	63.0	68.9	51.9
Stage Distribution (%) 2002-2008 <sup>ee</sup>									
All Stages									
Number of cases	85,609	64,188	21,421	76,507	57,804	18,703	4,454	2,879	1,575
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
In Situ	51	52	49	52	52	50	37	41	31
Localized	35	35	35	35	35	34	39	38	41
Regional	7	7	8	7	7	8	11	10	14
Distant	4	3	5	4	3	5	7	6	10
Unstaged	3	3	3	3	2	3	4	4	5
5-Year Relative Survival (Percent), 2002-2008 <sup>c</sup>									
Age at Diagnosis:									
Ages <45	88.2	88.9	86.1	88.8	89.3	87.3	74.5	75.5	70.5 <sup>g</sup>
Ages 45-54	84.4	84.5	83.9	84.9	84.5	86.2	71.0	75.8	56.7
Ages 55-64	83.4	83.8	81.6	83.8	84.1	82.8	69.4	72.6	61.2
Ages 65-74	79.1	80.2	75.3	79.5	80.2	76.6	67.1	72.2	57.7
Ages 75+	70.9	74.4	62.4	71.6	74.9	63.1	53.1	58.0	47.6
Ages <65	84.1	84.5	82.8	84.5	84.6	84.3	70.7	74.1	60.9
Ages 65+	74.4	77.0	67.3	74.9	77.2	68.2	59.9	65.7	51.6
Stage <sup>e</sup> :									
All Stages	77.7	79.6	72.0	78.2	79.8	73.1	64.2	69.7	54.3
In Situ	96.4	96.6	95.8	96.5	96.6	96.2	91.3	93.0	86.7
Localized	70.2	72.6	62.8	70.4	72.6	63.2	62.3	67.4	53.8
Regional	32.9	35.1	27.1	32.6	34.7	26.9	28.9	31.9	24.4
Distant	5.5	6.5	3.8	5.6	6.3	3.8	6.0	7.8	4.3
Unstaged	48.8	53.1	39.4	46.0	50.6	35.6	41.0	44.8 <sup>g</sup>	35.2 <sup>g</sup>

<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 2009.

<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).

Based on follow-up of patients into 2009.

<sup>d</sup> Period survival provides a 2008 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2006-2008: 0-1 year survival), (2005-2007: 1-2 year survival), (2004-2006: 2-3 year survival), (2003-2005: 3-4 year survival), (2002-2004: 4-5 years survival).

<sup>e</sup> Stage at diagnosis is classified using SEER Summary Stage 2000.

<sup>f</sup> The difference between 1975-1977 and 2002-2008 is statistically significant ( $p < .05$ ).

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

<sup>h</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.