

Table 27.7
Cancer of the Urinary Bladder (Invasive and *In Situ*)

Survival Rates, 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 Rates									
Year of Diagnosis:									
1960-1963 ^a	-	-	-	53	53	53	24	24	24
1970-1973 ^a	-	-	-	61	61	60	36	38	27
1975-1977 ^b	73.5	74.9	69.7	74.5	75.5	71.5	50.6	56.8	38.8 ^f
1978-1980 ^b	76.0	77.2	72.7	76.9	77.6	74.8	55.6	64.3	40.8 ^f
1981-1983 ^b	78.5	79.9	74.9	79.3	80.4	76.3	60.1	65.4	48.4 ^f
1984-1986 ^b	78.2	79.5	74.6	78.7	79.9	75.5	61.0	64.0	54.2 ^f
1987-1989 ^b	80.6	82.8	74.1	81.5	83.5	75.4	63.3	68.1	54.0 ^f
1990-1992 ^b	80.9	83.3	74.0	81.9	84.2	75.2	64.8	67.6	60.2
1993-1995 ^b	81.5	83.1	76.9	82.2	83.4	78.8	61.9	69.1	46.8
1996-1998 ^b	80.1	81.1	77.2	80.7	81.7	77.8	62.3	65.1	55.3
1999-2005 ^b	81.7 ^e	83.0 ^e	78.2 ^e	82.6 ^e	83.5 ^e	80.0 ^e	67.8 ^e	71.5 ^e	61.0 ^e
5-Year Period Survival Rates^{cd}									
Year of Diagnosis:									
1999-2005	80.3	81.8	75.8	80.6	81.9	76.7	68.4	71.8	61.8
Stage Distribution (%) 1999-2005^c									
All Stages									
Number of cases	72,583	54,093	18,490	65,545	49,207	16,338	3,454	2,184	1,270
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
In Situ	50	51	48	51	51	49	36	39	30
Localized	36	36	35	35	36	35	40	39	41
Regional	8	7	8	7	7	8	12	11	14
Distant	4	3	5	4	3	5	7	5	10
Unstaged	3	3	3	3	3	3	5	5	5
5-Year Relative Survival Rates, 1999-2005^c									
Age at Diagnosis:									
Ages <45	90.4	91.3	88.2	91.4	92.0	89.8	78.2	79.1	74.8 ^f
Ages 45-54	85.3	85.4	84.9	85.9	85.8	86.3	73.0	77.4	60.5 ^f
Ages 55-64	84.7	84.8	84.3	85.1	85.0	85.5	73.0	75.4	67.3
Ages 65-74	80.1	81.1	76.8	80.6	81.3	78.5	65.3	71.3	54.5
Ages 75+	72.7	75.9	65.3	73.4	76.4	66.5	52.0	53.8	48.2
Ages <65	85.6	85.7	85.1	86.0	86.0	86.3	74.1	76.9	67.3
Ages 65+	76.5	78.7	70.6	77.2	79.0	72.0	58.9	63.8	51.5
Stage:									
All Stages	80.0	81.5	75.7	80.5	81.7	77.0	66.5	71.5	57.3
In Situ	97.2	97.3	97.0	97.3	97.2	97.4	96.5	98.1	91.6
Localized	74.3	76.3	68.3	74.7	76.6	68.9	63.1	65.8	58.0
Regional	36.2	37.1	33.9	36.7	37.1	35.4	30.0	36.1	21.8
Distant	5.8	5.9	5.5	5.7	6.3	4.4	7.8	0.0	11.4
Unstaged	56.0	60.6	44.4	55.1	59.1	44.7	44.1 ^f	49.2 ^f	33.7 ^f

^a Rates are based on End Results data from a series of hospital registries and one population-based registry.

^b Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Rates are based on follow-up of patients into 2006.

^c Rates are from the 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). California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey contribute cases for diagnosis years 2000-2005.

The remaining 13 SEER Areas contribute cases for the entire period 1999-2005. Rates are based on follow-up of patients into 2006.

^d Period survival provides a more up-to-date estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2003-2005: 0-1 year survival),

(2002-2004: 1-2 year survival), (2001-2003: 2-3 year survival), (2000-2002: 3-4 year survival), (1999-2001: 4-5 years survival).

The difference in rates between 1975-1977 and 1999-2005 is statistically significant ($p < .05$).

^e The standard error of the survival rate is between 5 and 10 percentage points.

^f The standard error of the survival rate is greater than 10 percentage points.

^g - Statistic could not be calculated due to fewer than 25 cases during the time period.