Table 11.8
Cancer of the Kidney and Renal Pelvis (Invasive)

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[a]	–	–	–	37	36	39	38	38	37
1970-1973[a]	–	–	–	46	44	50	44	40	49
1975-1977[b]	50.2	50.3	50.0	49.9	50.2	49.4	49.3	47.9	51.5[f]
1978-1980[b]	53.0	52.7	53.4	52.7	52.9	52.2	57.0	51.9	63.4[f]
1981-1983[b]	50.2	51.2	48.5	50.1	51.3	47.9	50.7	50.3	51.2
1984-1986[b]	54.8	55.3	53.8	54.9	55.7	53.7	52.9	49.7	57.8
1987-1989[b]	56.7	57.1	56.1	57.3	58.1	56.1	54.8	52.7	57.2
1990-1992[b]	60.3	60.6	59.8	60.8	61.2	60.0	57.2	55.6	58.9
1993-1995[b]	61.5	61.7	61.3	62.0	62.8	60.8	57.5	54.3	62.0
1996-2000[b]	63.3	62.7	64.1	63.0	62.8	63.3	65.6	64.2	66.7
2001-2007[b]	70.9[e]	70.7[e]	71.0[e]	71.0[e]	70.8[e]	71.2[e]	68.4[e]	68.0[e]	68.7[e]
5-Year Period Survival (Percent)[cd]									
2007	71.5	71.7	71.3	71.9	72.2	71.6	68.4	68.1	68.8
Stage Distribution (%) 2001-2007[c]									
All Stages									
Number of cases	55,307	33,945	21,362	46,494	28,609	17,885	5,338	3,187	2,151
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	61	60	63	60	59	63	65	64	68
Regional	17	18	16	18	18	16	13	13	12
Distant	18	19	16	18	19	16	18	19	16
Unstaged	4	4	5	4	4	5	4	4	4
5-Year Relative Survival (Percent), 2001-2007[c]									
Age at Diagnosis:									
Ages <45	83.3	81.6	85.6	84.6	83.0	87.0	73.0	69.4	77.7
Ages 45-54	76.6	74.7	80.4	77.0	74.8	81.3	72.1	71.0	74.3
Ages 55-64	71.4	70.3	73.4	71.9	70.7	74.2	67.0	67.0	66.9
Ages 65-74	67.8	67.5	68.2	67.8	67.2	68.7	66.5	69.3	62.9
Ages 75+	55.3	57.5	53.0	56.3	58.7	53.6	46.1	45.2	46.1
Ages <65	75.5	73.9	78.5	76.0	74.3	79.3	70.3	69.0	72.6
Ages 65+	61.9	63.1	60.2	62.2	63.4	60.6	58.3	61.1	55.4
Stage:									
All Stages	69.5	69.5	69.4	69.7	69.7	69.8	66.2	66.6	65.6
Localized	90.8	91.1	90.3	91.5	91.6	91.3	85.0	86.1	83.4
Regional	63.1	65.1	59.5	63.5	65.3	60.2	57.8	62.2	50.6
Distant	11.0	11.7	9.7	10.5	11.4	8.9	12.0	11.4	13.1
Unstaged	34.8	36.9	32.3	34.2	36.1	31.7	32.4	35.6[f]	27.3[f]

[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 2008.
[c] 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.
[d] 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).
[e] The difference between 1975-1977 and 2001-2007 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.