

Table 6.14  
Cancer of the Rectum (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 <sup>a</sup>	-	-	-	38	36	41	27	28	27
1970-1973 <sup>a</sup>	-	-	-	45	43	48	30	20	40
1975-1977 <sup>b</sup>	48.1	46.9	49.5	48.2	47.3	49.4	44.4	41.4	46.8
1978-1980 <sup>b</sup>	48.9	48.3	49.5	49.7	49.3	50.2	34.6	33.5	35.5
1981-1983 <sup>b</sup>	51.4	50.2	52.8	52.0	51.0	53.2	39.9	37.7	42.2
1984-1986 <sup>b</sup>	56.2	55.5	57.1	57.0	56.4	57.7	45.8	43.1	48.2
1987-1989 <sup>b</sup>	58.1	57.9	58.4	58.7	58.9	58.4	52.3	47.7	56.9
1990-1992 <sup>b</sup>	59.2	58.4	60.2	59.9	59.0	61.0	51.1	53.5	48.5
1993-1995 <sup>b</sup>	60.1	59.0	61.6	60.5	59.4	62.0	53.9	51.6	56.4
1996-1998 <sup>b</sup>	63.3	62.4	64.3	63.6	62.9	64.5	54.8	53.2	56.2
1999-2003 <sup>b</sup>	67.1	67.0	67.1	67.8	67.9	67.8	60.2	60.1	60.0
2004-2010 <sup>b</sup>	67.8 <sup>f</sup>	67.4 <sup>f</sup>	68.3 <sup>f</sup>	68.0 <sup>f</sup>	68.3 <sup>f</sup>	67.5 <sup>f</sup>	63.2 <sup>f</sup>	58.1 <sup>f</sup>	68.3 <sup>f</sup>
5-Year Period Survival (Percent) <sup>cd</sup>									
2010	66.7	66.0	67.6	66.4	66.0	67.0	63.0	59.1	67.3
Stage Distribution (%) 2004-2010 <sup>ee</sup>									
All Stages									
Number of cases	63,011	35,770	27,241	49,600	28,427	21,173	6,566	3,401	3,165
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	44	43	45	43	43	44	45	42	49
Regional	33	34	32	34	34	33	27	29	25
Distant	18	18	17	18	18	17	20	22	17
Unstaged	6	5	6	5	5	6	8	7	8
5-Year Relative Survival (Percent), 2004-2010 <sup>c</sup>									
Age at Diagnosis:									
Ages <45	69.7	66.3	73.8	70.2	66.2	74.8	62.6	57.8	67.9
Ages 45-54	74.2	71.7	77.7	74.5	72.4	77.6	67.9	62.8	73.6
Ages 55-64	70.8	69.3	73.2	70.8	69.6	72.9	66.4	62.2	71.8
Ages 65-74	67.3	66.5	68.6	67.2	66.9	67.7	63.1	57.1	69.6
Ages 75+	52.3	53.2	51.6	52.9	53.9	52.0	42.6	41.7	43.1
Ages <65	71.9	69.8	75.1	72.1	70.2	75.0	66.4	61.7	71.9
Ages 65+	59.9	60.8	58.9	59.9	61.1	58.5	54.2	51.9	56.2
Stage <sup>g</sup> :									
All Stages	66.5	66.0	67.2	66.4	66.2	66.7	62.0	58.5	65.6
Localized	87.9	87.5	88.5	87.6	87.2	88.1	86.1	84.5	87.7
Regional	69.8	69.9	69.6	70.3	70.7	69.7	62.5	60.3	65.2
Distant	13.4	12.7	14.3	13.6	13.0	14.4	10.9	10.4	11.6
Unstaged	46.4	46.1	46.7	42.4	42.1	42.5	53.0	50.2	55.2

<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 2011.

<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 2011.

<sup>d</sup> Period survival provides a 2010 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2007-2009: 0-1 year survival), (2006-2008: 1-2 year survival), (2005-2007: 2-3 year survival), (2004-2006: 3-4 year survival), (2003-2005: 4-5 years survival).<sup>e</sup> Stage at diagnosis is classified using SEER Summary Stage 2000. Stage distribution percentages may not sum to 100 due to rounding.<sup>f</sup> The difference between 1975-1977 and 2004-2010 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.