

Table VI-1  
COLON AND RECTUM CANCER (Invasive)

TRENDS IN SEER INCIDENCE AND U.S. MORTALITY, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>INCIDENCE TRENDS (expressed in percents):</u>									
<u>1973-95</u>									
All Ages									
Percent Change (PC)	-7.4	-5.3	-10.4	-9.4	-8.0	-12.0	19.3	27.0	14.3
Est. Annual PC (EAPC)	-0.3	-0.1	-0.6*	-0.4*	-0.2	-0.7*	0.8*	1.2*	0.5*
Under 65									
Percent Change (PC)	-9.6	-3.1	-16.8	-13.4	-7.5	-20.4	18.7	27.1	12.1
Est. Annual PC (EAPC)	-0.4*	0.0	-0.9*	-0.6*	-0.2	-1.2*	0.9*	1.1*	0.6*
65 and over									
Percent Change (PC)	-6.1	-6.3	-6.6	-7.2	-8.3	-7.2	19.6	26.9	15.9
Est. Annual PC (EAPC)	-0.2	-0.1	-0.4*	-0.3	-0.2	-0.5*	0.7*	1.2*	0.4
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	2.3	3.7	1.3	2.2	3.9	0.7	7.0	4.8	10.9
Est. Annual PC (EAPC)	0.9	1.5	0.3	0.8	1.5	0.2	1.6	1.4	2.3
<u>1991-95 - ALL AGES</u>									
Percent Change (PC)	-7.0	-9.5	-4.9	-7.4	-10.3	-4.9	-5.3	-9.0	-1.7
Est. Annual PC (EAPC)	-2.5*♦	-3.4*♦	-1.7*♦	-2.6*♦	-3.6*♦	-1.6*♦	-2.1♦	-3.3	-0.9
<u>MORTALITY TRENDS (expressed in percents)*:</u>									
<u>1973-95</u>									
All Ages									
Percent Change (PC)	-20.8	-15.6	-26.1	-23.0	-18.1	-28.2	8.9	22.4	-0.9
Est. Annual PC (EAPC)	-1.2*	-0.8*	-1.5*	-1.3*	-1.0*	-1.7*	0.4*	1.0*	0.0
Under 65									
Percent Change (PC)	-24.7	-17.1	-33.0	-27.4	-20.2	-35.7	-0.3	15.6	-13.2
Est. Annual PC (EAPC)	-1.4*	-0.9*	-2.0*	-1.6*	-1.1*	-2.2*	0.0	0.7*	-0.7*
65 and over									
Percent Change (PC)	-18.9	-15.0	-22.7	-21.0	-17.3	-24.7	14.3	26.1	6.9
Est. Annual PC (EAPC)	-1.1*	-0.8*	-1.3*	-1.2*	-0.9*	-1.4*	0.7*	1.1*	0.4*
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	-0.4	1.2	-1.8	-0.6	1.1	-2.1	1.2	1.6	1.1
Est. Annual PC (EAPC)	-0.1	0.4	-0.6	-0.2	0.4	-0.7	0.7	0.7	0.7
<u>1991-95 - ALL AGES</u>									
Percent Change (PC)	-4.0	-4.7	-3.8	-4.4	-5.3	-4.1	-0.7	0.4	-2.1
Est. Annual PC (EAPC)	-1.4*♦	-1.6*♦	-1.3*◇	-1.5*♦	-1.8*♦	-1.4*◇	-0.2	0.2	-0.7

The Est. Annual PC is the Estimated Annual Percent Change (EAPC) over the time interval.  
 SEER Program.  
 NCHS public use tape.  
 \* The EAPC is significantly different from zero (p<.05).  
 ♦ The EAPC for 1991-95 is significantly different from the EAPC for 1975-79 (p<.05).  
 ◇ The EAPC for 1991-95 is significantly different from the EAPC for 1975-79 (p<.10).  
 - Statistic could not be calculated.

Table VI-2  
COLON CANCER (Invasive) AND RECTUM CANCER (Invasive)  
TRENDS IN SEER INCIDENCE, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>INCIDENCE TRENDS FOR COLON (expressed in percents)§:</u>									
<u>1973-95</u>									
All Ages									
Percent Change (PC)	-2.3	1.5	-6.9	-4.4	-1.0	-9.0	27.3	29.5	27.2
Est. Annual PC (EAPC)	-0.1	0.3	-0.4★	-0.2	0.2	-0.5★	1.0★	1.4★	0.8★
Under 65									
Percent Change (PC)	-6.0	4.3	-15.7	-9.6	1.4	-20.3	24.2	27.6	22.1
Est. Annual PC (EAPC)	-0.3★	0.2	-0.9★	-0.5★	0.0	-1.2★	1.1★	1.3★	0.9★
65 and over									
Percent Change (PC)	-0.5	0.3	-1.9	-1.8	-2.0	-2.8	29.2	30.5	30.7
Est. Annual PC (EAPC)	0.1	0.3	-0.2	0.0	0.2	-0.2	1.0★	1.4★	0.8★
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	3.1	5.8	0.9	2.9	6.1	0.2	7.9	5.2	11.8
Est. Annual PC (EAPC)	1.1	2.1	0.3	1.0	2.1★	0.1	2.0	1.5	2.8
<u>1991-95 - ALL AGES</u>									
Percent Change (PC)	-6.5	-9.4	-4.2	-6.8	-10.0	-4.1	-5.4	-8.6	-2.1
Est. Annual PC (EAPC)	-2.3★◆	-3.4★◆	-1.4★◆	-2.4★◆	-3.6★◆	-1.4★	-2.1◆	-3.0	-1.1
<u>INCIDENCE TRENDS FOR RECTUM (expressed in percents)§:</u>									
<u>1973-95</u>									
All Ages									
Percent Change (PC)	-18.5	-17.9	-19.8	-20.2	-21.0	-20.1	-2.0	19.9	-18.5
Est. Annual PC (EAPC)	-0.9★	-0.7★	-1.1★	-0.9★	-0.9★	-1.1★	0.0	0.7	-0.5
Under 65									
Percent Change (PC)	-16.4	-14.4	-19.3	-20.2	-20.4	-20.7	6.2	25.9	-10.7
Est. Annual PC (EAPC)	-0.7★	-0.5★	-0.9★	-0.8★	-0.7★	-1.1★	0.3	0.8	-0.1
65 and over									
Percent Change (PC)	-19.9	-20.1	-20.2	-20.1	-21.4	-19.7	-8.5	15.2	-24.9
Est. Annual PC (EAPC)	-1.0★	-0.9★	-1.2★	-1.0★	-1.0★	-1.2★	-0.2	0.6	-0.9
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	0.5	-0.4	2.2	0.8	-0.2	2.1	4.2	3.5	7.7
Est. Annual PC (EAPC)	0.3	0.2	0.5	0.3	0.2	0.6	0.6	1.2	0.8
<u>1991-95 - ALL AGES</u>									
Percent Change (PC)	-8.2	-9.6	-7.2	-8.9	-10.8	-7.3	-5.3	-10.0	0.0
Est. Annual PC (EAPC)	-2.8★◆	-3.3★◆	-2.4★◆	-3.0★◆	-3.7★◆	-2.4★◆	-2.2	-4.3◆	0.1

§ The Est. Annual PC is the Estimated Annual Percent Change (EAPC) over the time interval.  
 SEER Program.

★ The EAPC is significantly different from zero ( $p < .05$ ).

◆ The EAPC for 1991-95 is significantly different from the EAPC for 1975-79 ( $p < .05$ ).

◇ The EAPC for 1991-95 is significantly different from the EAPC for 1975-79 ( $p < .10$ ).

- Statistic could not be calculated.

Table VI-3  
COLON AND RECTUM CANCER (Invasive)

SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
<u>YEAR OF DIAGNOSIS:</u>									
1973	46.4	53.2	41.6	46.9	54.2	41.7	42.4	42.8	41.8
1974	47.7	56.2	41.6	48.4	57.4	41.9	41.5	46.8	37.7
1975	47.4	54.1	42.7	47.8	55.1	42.9	45.4	47.6	43.5
1976	49.1	57.3	43.2	49.6	57.8	43.8	44.4	48.9	40.3
1977	49.5	58.0	43.5	50.0	58.7	44.0	48.0	58.1	41.4
1978	49.4	57.2	43.9	50.0	58.4	44.1	49.4	51.3	48.5
1979	49.3	58.3	43.0	49.6	58.9	43.1	46.7	49.9	44.5
1980	50.4	58.7	44.5	50.4	58.7	44.7	55.6	63.5	49.6
1981	50.9	59.9	44.5	51.2	60.4	44.9	50.4	58.2	44.9
1982	49.7	59.2	42.9	50.1	60.0	43.3	48.9	55.1	44.5
1983	50.4	59.8	43.6	50.8	60.5	43.8	53.8	60.9	49.2
1984	51.5	61.6	44.2	52.2	62.9	44.6	49.9	54.8	47.1
1985	52.8	63.0	45.3	53.3	63.4	45.9	52.2	60.8	45.9
1986	51.2	61.9	43.3	51.2	62.4	43.1	52.9	59.8	47.8
1987	49.8	61.2	41.6	49.6	61.4	41.3	53.3	61.1	48.2
1988	48.6	59.5	40.7	48.6	59.9	40.3	50.9	58.1	45.9
1989	48.8	59.4	41.1	48.8	59.3	41.1	52.8	64.4	44.9
1990	48.3	58.9	40.5	48.1	59.0	40.2	53.6	59.7	49.5
1991	47.4	58.0	39.4	47.0	58.0	38.9	53.1	62.6	46.3
1992	46.4	56.4	39.0	46.2	56.5	38.5	52.5	62.4	46.1
1993	45.4	54.6	38.3	44.9	54.2	37.8	52.0	62.1	44.8
1994	44.5	53.3	37.7	44.1	53.0	37.0	52.0	59.8	46.9
1995	42.7	50.3	36.9	42.3	49.7	36.6	48.1	54.0	43.9
<u>AGE-ADJUSTED RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
All ages	45.2	54.5	38.2	44.9	54.2	37.7	51.5	60.1	45.6
Under 65	17.4	20.3	14.7	16.7	19.6	14.0	22.5	25.1	20.5
65 and over	299.5	366.5	252.8	301.8	369.7	254.7	315.9	379.6	274.8
All ages (world std.) <sup>8</sup>	34.1	40.9	28.8	33.7	40.6	28.3	39.6	45.8	35.1
<u>AGE-SPECIFIC RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
0-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-14	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0
15-19	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.0	0.2
20-24	0.6	0.7	0.4	0.5	0.5	0.5	0.6	0.9	0.3
25-29	1.6	1.7	1.5	1.4	1.4	1.4	1.8	2.1	1.4
30-34	3.4	3.8	3.0	3.1	3.7	2.6	4.5	3.3	5.5
35-39	6.2	6.4	5.9	5.4	5.7	5.1	9.9	9.5	10.3
40-44	12.8	13.4	12.3	12.0	12.3	11.6	17.6	19.3	16.1
45-49	24.0	26.3	21.8	22.1	24.5	19.7	36.4	39.9	33.4
50-54	48.9	56.6	41.5	45.5	53.9	37.2	72.3	74.6	70.3
55-59	87.5	104.5	71.6	85.2	102.5	68.5	113.0	131.7	98.1
60-64	136.9	163.4	113.2	136.1	161.7	112.5	156.4	180.2	137.5
65-69	203.2	255.6	159.8	205.0	258.2	160.4	215.7	258.1	183.2
70-74	277.8	336.5	232.6	278.6	336.1	234.2	313.2	376.2	269.3
75-79	356.1	436.3	301.2	358.2	438.0	304.0	376.3	454.2	327.6
80-84	444.3	546.4	386.9	447.9	555.3	389.1	463.7	581.0	401.8
85+	460.7	539.3	429.7	468.9	552.9	437.2	412.8	459.6	392.5

<sup>8</sup> SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.

<sup>8</sup> SEER Program. Rates are per 100,000 and are age-adjusted to the world standard population.

Table VI-4  
COLON CANCER (Invasive)

SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
<u>YEAR OF DIAGNOSIS:</u>									
1973	31.7	34.2	30.2	32.0	34.8	30.3	30.9	31.7	30.0
1974	33.0	36.9	30.2	33.4	37.6	30.5	30.0	34.4	27.0
1975	32.6	35.5	30.8	32.9	36.1	30.9	33.7	34.7	32.7
1976	34.1	37.7	31.7	34.4	37.9	32.0	34.1	35.8	32.5
1977	34.6	38.8	31.8	35.1	39.2	32.3	35.5	43.9	30.1
1978	34.6	38.4	32.0	34.7	39.0	32.0	37.9	37.9	38.3
1979	34.2	39.0	31.0	34.4	39.5	31.0	35.3	36.3	34.6
1980	35.5	39.3	33.0	35.4	39.3	32.9	43.1	45.8	41.2
1981	35.6	40.0	32.6	35.8	40.3	32.8	37.7	40.7	35.7
1982	35.8	41.6	31.7	36.0	42.1	31.7	38.2	41.7	35.6
1983	36.0	41.3	32.4	36.2	41.6	32.5	40.1	46.2	36.3
1984	36.5	42.5	32.3	36.8	43.3	32.3	38.8	41.8	37.3
1985	37.7	43.2	33.6	37.8	43.4	34.0	40.7	47.0	36.0
1986	36.8	42.7	32.5	36.8	43.0	32.2	40.1	44.5	37.2
1987	35.4	42.4	30.6	35.2	42.2	30.3	41.3	47.3	37.2
1988	34.7	41.1	30.1	34.5	41.3	29.6	39.1	43.1	36.5
1989	34.6	40.8	30.2	34.5	40.5	30.2	40.0	48.8	34.3
1990	34.6	40.5	30.4	34.4	40.3	30.1	41.6	46.2	38.6
1991	34.2	40.7	29.5	33.9	40.6	29.0	41.5	46.6	37.8
1992	33.4	39.1	29.2	33.1	39.1	28.7	40.4	47.1	36.2
1993	32.8	38.5	28.6	32.3	38.1	28.0	40.9	47.2	36.6
1994	32.2	37.2	28.3	31.9	37.1	27.8	39.9	44.5	37.1
1995	31.0	35.1	27.9	30.6	34.6	27.5	37.6	41.1	35.3
<u>AGE-ADJUSTED RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
All ages	32.7	38.0	28.7	32.3	37.8	28.2	40.0	45.2	36.6
Under 65	11.7	13.1	10.4	11.2	12.7	9.7	16.6	17.7	15.6
65 and over	224.4	265.5	196.0	225.5	267.2	196.8	254.1	296.2	227.9
All ages (world std.) <sup>8</sup>	24.4	28.2	21.4	24.0	28.0	20.9	30.5	34.0	28.0
<u>AGE-SPECIFIC RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
0-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2
20-24	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.2
25-29	1.1	1.0	1.1	0.9	0.9	0.9	1.0	0.9	1.1
30-34	2.2	2.4	1.9	2.1	2.5	1.7	2.5	1.5	3.3
35-39	4.2	4.4	4.0	3.7	3.9	3.5	7.0	6.7	7.3
40-44	8.3	8.5	8.1	7.5	7.7	7.3	13.5	13.6	13.4
45-49	15.9	16.7	15.1	14.7	15.9	13.6	24.9	26.0	23.9
50-54	31.0	35.4	26.7	28.4	33.9	23.0	50.2	49.2	51.1
55-59	59.5	68.2	51.3	57.5	66.6	48.8	85.0	94.4	77.5
60-64	94.7	107.4	83.3	93.6	106.0	82.2	120.8	136.1	108.6
65-69	143.1	173.0	118.3	143.4	174.1	117.7	169.1	190.8	152.4
70-74	204.2	238.4	177.8	204.0	237.5	178.2	249.3	288.9	221.7
75-79	270.4	322.0	235.1	271.7	323.6	236.5	297.7	340.6	270.9
80-84	346.5	415.9	307.5	348.8	421.4	309.1	386.5	488.4	332.6
85+	372.3	420.7	353.3	378.4	429.3	359.1	354.6	406.2	332.3

<sup>8</sup> SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.  
<sup>8</sup> SEER Program. Rates are per 100,000 and are age-adjusted to the world standard population.

Table VI-5  
RECTUM CANCER (Invasive)SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES<sup>§</sup>, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
<u>YEAR OF DIAGNOSIS:</u>									
1973	14.7	18.9	11.4	14.9	19.5	11.5	11.5	11.1	11.8
1974	14.8	19.2	11.4	15.0	19.8	11.4	11.4	12.4	10.7
1975	14.8	18.6	11.9	15.0	19.0	12.0	11.8	12.9	10.8
1976	15.0	19.6	11.5	15.2	19.9	11.8	10.2	13.1	7.8
1977	14.9	19.2	11.7	15.0	19.5	11.7	12.5	14.2	11.3
1978	14.8	18.8	11.9	15.2	19.4	12.1	11.5	13.4	10.2
1979	15.1	19.2	12.0	15.2	19.4	12.2	11.4	13.6	9.9
1980	14.9	19.4	11.5	15.0	19.4	11.8	12.5	17.7	8.5
1981	15.2	19.8	11.8	15.4	20.0	12.1	12.7	17.5	9.3
1982	13.9	17.6	11.3	14.2	17.9	11.6	10.7	13.4	8.9
1983	14.4	18.6	11.2	14.6	18.9	11.4	13.7	14.6	12.9
1984	15.1	19.1	11.9	15.5	19.6	12.3	11.1	13.0	9.8
1985	15.1	19.7	11.7	15.4	20.1	12.0	11.5	13.8	9.9
1986	14.4	19.2	10.8	14.4	19.3	10.8	12.8	15.4	10.6
1987	14.3	18.8	11.0	14.5	19.2	11.0	12.1	13.7	11.1
1988	13.9	18.4	10.6	14.1	18.6	10.7	11.8	15.0	9.4
1989	14.2	18.5	10.9	14.3	18.8	10.9	12.8	15.7	10.6
1990	13.7	18.4	10.1	13.8	18.7	10.1	12.0	13.5	10.9
1991	13.1	17.4	9.9	13.1	17.4	9.9	11.7	16.0	8.5
1992	13.1	17.3	9.8	13.1	17.4	9.8	12.1	15.3	9.9
1993	12.6	16.2	9.7	12.6	16.1	9.8	11.1	14.9	8.2
1994	12.3	16.1	9.3	12.2	15.9	9.3	12.0	15.3	9.7
1995	11.7	15.2	9.0	11.7	15.1	9.0	10.5	12.9	8.6
<u>AGE-ADJUSTED RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
All ages	12.6	16.4	9.5	12.5	16.4	9.6	11.5	14.9	9.0
Under 65	5.7	7.1	4.4	5.6	6.9	4.2	6.0	7.4	4.8
65 and over	75.1	101.0	56.7	76.3	102.5	58.0	61.8	83.4	46.9
All ages (world std.) <sup>§</sup>	9.8	12.7	7.4	9.8	12.6	7.4	9.1	11.8	7.1
<u>AGE-SPECIFIC RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
0-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-14	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0
15-19	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
20-24	0.2	0.3	0.1	0.2	0.3	0.2	0.3	0.4	0.2
25-29	0.6	0.6	0.5	0.5	0.5	0.5	0.8	1.2	0.3
30-34	1.2	1.4	1.1	1.1	1.2	0.9	2.0	1.7	2.2
35-39	2.0	2.0	1.9	1.7	1.8	1.6	2.9	2.9	3.0
40-44	4.5	4.9	4.2	4.5	4.7	4.3	4.1	5.7	2.8
45-49	8.1	9.6	6.7	7.4	8.7	6.2	11.5	13.9	9.5
50-54	17.9	21.2	14.8	17.0	20.0	14.1	22.1	25.4	19.2
55-59	28.0	36.3	20.3	27.7	36.0	19.7	28.0	37.3	20.6
60-64	42.2	56.0	29.9	42.5	55.7	30.3	35.7	44.2	28.9
65-69	60.1	82.6	41.5	61.6	84.1	42.7	46.6	67.3	30.8
70-74	73.6	98.1	54.7	74.6	98.7	56.0	63.9	87.3	47.6
75-79	85.7	114.3	66.1	86.4	114.4	67.5	78.6	113.5	56.7
80-84	97.8	130.5	79.4	99.1	133.9	80.0	77.3	92.5	69.2
85+	88.4	118.6	76.5	90.6	123.6	78.1	58.2	53.4	60.3

<sup>§</sup> SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.  
<sup>§</sup> SEER Program. Rates are per 100,000 and are age-adjusted to the world standard population.

Table VI-6  
 COLON AND RECTUM CANCER (Invasive)

U.S. MORTALITY RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES\*, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
<u>YEAR OF DEATH:</u>									
1973	21.9	24.9	19.8	22.0	25.3	19.8	21.0	22.0	20.4
1974	22.2	25.8	19.7	22.3	26.0	19.8	21.2	23.6	19.5
1975	21.7	25.3	19.3	21.9	25.6	19.3	21.5	23.9	19.7
1976	22.0	25.6	19.5	22.1	25.9	19.5	22.3	24.4	20.8
1977	21.8	25.6	19.1	21.8	25.7	19.1	22.0	25.0	19.9
1978	21.9	25.9	19.2	22.0	26.1	19.2	21.9	24.4	20.2
1979	21.7	25.7	18.9	21.7	25.9	18.8	22.4	24.8	20.8
1980	21.5	25.8	18.6	21.5	25.9	18.5	22.7	26.1	20.3
1981	21.1	25.2	18.2	21.1	25.3	18.1	22.7	25.7	20.7
1982	20.9	25.2	18.0	20.8	25.2	17.8	23.0	26.4	20.6
1983	20.8	25.3	17.7	20.8	25.4	17.6	22.7	26.1	20.3
1984	21.0	25.3	18.0	20.9	25.3	17.8	23.3	27.3	20.6
1985	20.6	25.1	17.5	20.5	25.1	17.2	24.0	27.0	21.8
1986	20.1	24.5	17.0	19.9	24.5	16.7	23.3	27.5	20.6
1987	19.9	24.4	16.7	19.6	24.3	16.4	23.7	27.8	20.9
1988	19.3	23.7	16.3	19.1	23.6	16.0	22.9	27.0	20.2
1989	19.1	23.5	15.9	18.8	23.2	15.6	23.5	28.3	20.3
1990	18.8	23.4	15.6	18.4	23.1	15.2	24.0	29.2	20.7
1991	18.3	22.6	15.4	18.0	22.3	15.0	23.3	27.6	20.5
1992	18.0	22.3	15.0	17.7	22.0	14.6	23.0	27.9	19.8
1993	17.8	21.8	15.0	17.5	21.5	14.5	23.3	27.8	20.3
1994	17.6	21.6	14.6	17.2	21.3	14.3	22.8	27.8	19.4
1995	17.4	21.2	14.5	16.9	20.8	14.1	23.2	28.0	20.0
<u>AGE-ADJUSTED RATES, 1991-95</u>									
<u>AGE AT DEATH:</u>									
All ages	17.8	21.9	14.9	17.5	21.6	14.5	23.1	27.8	20.0
Under 65	6.0	7.1	4.9	5.7	6.8	4.7	8.7	10.3	7.4
65 and over	126.2	157.2	105.8	124.8	156.2	103.9	154.7	187.5	134.9
All ages (world std.)N	13.1	16.0	10.9	12.8	15.7	10.6	17.3	20.8	15.0
<u>AGE-SPECIFIC RATES, 1991-95</u>									
<u>AGE AT DEATH:</u>									
0-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
15-19	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.2	0.1
20-24	0.2	0.2	0.1	0.2	0.2	0.1	0.3	0.3	0.3
25-29	0.5	0.5	0.4	0.4	0.5	0.4	0.8	1.1	0.5
30-34	0.9	1.0	0.8	0.9	0.9	0.8	1.4	1.8	1.2
35-39	1.9	2.0	1.8	1.8	1.9	1.6	3.1	3.1	3.1
40-44	4.1	4.4	3.8	3.8	4.1	3.5	6.9	7.7	6.1
45-49	8.2	9.2	7.2	7.6	8.6	6.6	13.7	15.7	12.0
50-54	16.5	19.1	14.0	15.6	18.2	13.1	26.2	30.0	23.0
55-59	29.9	35.4	24.9	28.8	34.3	23.7	43.6	51.4	37.4
60-64	48.4	59.9	38.3	47.4	58.6	37.2	64.0	79.2	52.4
65-69	72.8	91.9	57.1	71.3	90.7	55.2	96.2	115.8	81.8
70-74	104.4	130.5	84.5	102.5	128.9	82.2	136.9	164.6	118.3
75-79	144.2	180.5	119.9	142.9	179.4	118.2	175.4	215.8	151.2
80-84	201.9	251.8	174.5	200.6	251.6	172.6	240.3	292.3	213.6
85+	291.4	352.8	267.5	292.2	355.1	268.1	306.9	371.9	280.1

\* NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.

N NCHS public use tape. Rates are per 100,000 and are age-adjusted to the world standard population.

Table VI-7  
COLON AND RECTUM CANCER (Invasive)

SURVIVAL RATES, BY RACE, SEX, DIAGNOSIS YEAR, STAGE AND AGE

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>5-YR RELATIVE SURVIVAL RATES</u>									
YEAR OF DIAGNOSIS:									
1960-63 <sup>a</sup>	-	-	-	-	-	-	-	-	-
1970-73 <sup>a</sup>	-	-	-	-	-	-	-	-	-
1974-76 <sup>b</sup>	49.5	48.6	50.4	49.8	48.9	50.6	44.7	41.4	47.5
1977-79 <sup>b</sup>	51.9	50.7	53.0	52.2	51.2	53.2	45.7	43.7	47.3
1980-82 <sup>b</sup>	54.3	53.8	54.9	54.8	54.5	55.2	46.5	43.4	49.2
1983-85 <sup>b</sup>	57.5	57.6	57.4	58.4	58.6	58.2	48.0	46.9	48.9
1986-88 <sup>b</sup>	61.2	61.8	60.6	62.1	62.9	61.3	52.4	50.7	53.8
1989-94 <sup>b</sup>	62.1S	62.4S	61.8S	63.0S	63.4S	62.7S	52.5S	51.9S	53.1S
1989-94 <sup>b</sup>									
ALL STAGES	62.1	62.4	61.8	63.0	63.4	62.7	52.5	51.9	53.1
LOCALIZED	91.4	91.6	91.2	92.5	92.6	92.4	83.8	84.4	83.4
REGIONAL	66.1	65.8	66.4	66.7	66.5	66.8	61.2	59.9	62.3
DISTANT	8.5	8.2	8.7	8.6	7.9	9.2	6.5	8.5	4.6
UNSTAGED	34.5	39.4	29.6	34.6	40.5	28.6	37.0	32.8↑	40.9↑
<u>STAGE DISTRIBUTION (%) 1989-94<sup>b</sup></u>									
ALL STAGES									
Number of cases	61,674	31,427	30,247	52,731	26,838	25,893	5,283	2,520	2,763
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	37	38	36	37	38	36	32	32	33
REGIONAL	37	36	38	37	36	38	35	34	36
DISTANT	20	20	20	20	20	20	25	26	24
UNSTAGED	6	6	6	6	6	6	7	7	7
<u>5-YR RELATIVE SURVIVAL RATES, 1989-94<sup>b</sup></u>									
AGE AT DIAGNOSIS:									
<45	57.9	56.7	59.0	59.6	58.6	60.6	51.0	48.4	53.2
45-54	63.0	61.9	64.5	63.8	62.3	65.6	56.5	56.4	56.6
55-64	63.5	63.6	63.5	63.9	64.2	63.5	57.0	56.3	57.6
65-74	64.2	65.1	63.1	65.5	66.4	64.6	52.0	51.3	52.6
75+	59.1	58.7	59.4	60.1	59.8	60.3	46.0	44.0	47.3
Under 65	62.6	62.2	63.0	63.2	63.0	63.6	55.7	54.8	56.5
65 and over	61.8	62.6	61.2	63.0	63.8	62.3	49.8	48.9	50.5

<sup>a</sup> Rates are based on End Results data from a series of hospital registries and one population-based registry.  
<sup>b</sup> Rates are from the SEER Program. They are based on data from population-based registries in Connecticut, New Mexico, Utah, Iowa, Hawaii, Atlanta, Detroit, Seattle-Puget Sound and San Francisco-Oakland. Rates are based on follow-up of patients through 1995.  
**S** The difference in rates between 1974-76 and 1989-94 is statistically significant ( $p < .05$ ).  
**↑** The standard error of the survival rate is between 5 and 10 percentage points.  
**↑↑** The standard error of the survival rate is greater than 10 percentage points.  
**-** Statistic could not be calculated.

Table VI-8  
COLON CANCER (Invasive)

SURVIVAL RATES, BY RACE, SEX, DIAGNOSIS YEAR, STAGE AND AGE

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>5-YR RELATIVE SURVIVAL RATES</u>									
YEAR OF DIAGNOSIS:									
1960-63 <sup>a</sup>	-	-	-	43	42	44	34	32	35
1970-73 <sup>a</sup>	-	-	-	49	47	50	37	36	38
1974-76 <sup>b</sup>	50.1	49.3	50.9	50.4	49.6	51.0	45.7	44.1	46.9
1977-79 <sup>b</sup>	52.8	51.6	53.7	52.9	51.9	53.8	48.0	45.7	49.9
1980-82 <sup>b</sup>	55.4	55.6	55.2	55.7	56.0	55.4	49.2	46.4	51.3
1983-85 <sup>b</sup>	58.3	58.9	57.8	59.2	59.9	58.5	49.2	48.3	50.0
1986-88 <sup>b</sup>	62.0	63.1	61.0	62.8	64.1	61.7	52.8	52.0	53.4
1989-94 <sup>b</sup>	62.7S	63.5S	62.1S	63.8S	64.6S	63.1S	52.3S	51.4S	53.1S
1989-94 <sup>b</sup>									
ALL STAGES	62.7	63.5	62.1	63.8	64.6	63.1	52.3	51.4	53.1
LOCALIZED	93.6	94.2	93.0	94.7	95.4	94.1	85.3	83.5	86.8
REGIONAL	69.3	69.2	69.5	69.8	69.6	70.0	65.2	65.4	64.9
DISTANT	9.2	9.4	8.9	9.4	9.2	9.5	6.5	8.6	4.5
UNSTAGED	30.3	36.7	25.0	30.7	38.8	24.1	32.3	28.6†	34.9†
<u>STAGE DISTRIBUTION (%) 1989-94<sup>b</sup></u>									
ALL STAGES									
Number of cases	44,160	21,507	22,653	37,654	18,295	19,359	4,056	1,877	2,179
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	35	37	34	35	37	34	30	31	30
REGIONAL	38	37	39	38	37	40	35	34	36
DISTANT	22	22	21	21	22	21	28	29	26
UNSTAGED	5	5	6	5	5	5	7	6	7
<u>5-YR RELATIVE SURVIVAL RATES, 1989-94<sup>b</sup></u>									
AGE AT DIAGNOSIS:									
<45	57.4	57.9	56.7	58.7	59.7	57.6	52.7	52.1†	53.0
45-54	62.2	61.1	63.4	63.2	61.7	65.2	55.4	56.3	54.5
55-64	64.0	65.1	62.6	64.1	65.7	62.2	57.1	55.9	58.2
65-74	64.9	66.4	63.4	66.4	67.9	64.9	51.7	49.9	53.1
75+	60.7	60.1	61.1	61.7	61.0	62.2	46.0	43.7	47.5
Under 65	62.6	63.1	61.9	63.1	63.8	62.3	55.8	55.2	56.3
65 and over	62.9	63.8	62.2	64.2	65.1	63.4	49.6	47.8	50.8

<sup>a</sup> Rates are based on End Results data from a series of hospital registries and one population-based registry.  
<sup>b</sup> Rates are from the SEER Program. They are based on data from population-based registries in Connecticut, New Mexico, Utah, Iowa, Hawaii, Atlanta, Detroit, Seattle-Puget Sound and San Francisco-Oakland. Rates are based on follow-up of patients through 1995.  
**S** The difference in rates between 1974-76 and 1989-94 is statistically significant ( $p < .05$ ).  
<sup>†</sup> The standard error of the survival rate is between 5 and 10 percentage points.  
<sup>†</sup> The standard error of the survival rate is greater than 10 percentage points.  
<sup>-</sup> Statistic could not be calculated.



Table VI-9  
RECTUM CANCER (Invasive)

## SURVIVAL RATES, BY RACE, SEX, DIAGNOSIS YEAR, STAGE AND AGE

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<b>5-YR RELATIVE SURVIVAL RATES</b>									
YEAR OF DIAGNOSIS:									
1960-63 <sup>a</sup>	-	-	-	38	36	41	27	28	27
1970-73 <sup>a</sup>	-	-	-	45	43	48	30	20	40
1974-76 <sup>b</sup>	48.3	47.4	49.4	48.6	47.8	49.6	41.9	34.6	49.1
1977-79 <sup>b</sup>	49.9	48.9	51.0	50.7	50.0	51.6	38.8	38.4	39.2
1980-82 <sup>b</sup>	52.0	50.3	53.9	53.0	51.5	54.6	38.2	36.1	40.8
1983-85 <sup>b</sup>	55.6	55.1	56.2	56.5	56.0	57.1	44.1	42.8	45.3
1986-88 <sup>b</sup>	59.5	59.3	59.7	60.3	60.3	60.2	51.1	47.1	55.2
1989-94 <sup>b</sup>	60.5S	60.1S	60.9S	61.2S	61.0S	61.6S	53.3S	53.3S	53.2
1989-94 <sup>b</sup>									
ALL STAGES	60.5	60.1	60.9	61.2	61.0	61.6	53.3	53.3	53.2
LOCALIZED	87.1	87.0	87.3	88.0	87.7	88.4	80.3	86.4	74.6
REGIONAL	57.7	58.6	56.6	58.7	60.1	56.9	48.6	45.5†	51.8†
DISTANT	6.0	5.1	7.5	6.0	4.5	8.1	6.5	7.8	4.9
UNSTAGED	40.8	42.4	38.5	40.1	42.4	36.9	47.7†	40.2†	54.0†
<b>STAGE DISTRIBUTION (%) 1989-94<sup>b</sup></b>									
ALL STAGES									
Number of cases	17,514	9,920	7,594	15,077	8,543	6,534	1,227	643	584
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	42	41	43	42	41	43	39	37	41
REGIONAL	35	35	35	35	35	35	34	36	33
DISTANT	16	16	15	16	16	15	17	18	17
UNSTAGED	8	8	8	8	8	8	10	10	10
<b>5-YR RELATIVE SURVIVAL RATES, 1989-94<sup>b</sup></b>									
AGE AT DIAGNOSIS:									
<45	58.7	54.4	63.6	61.1	56.5	66.3	46.1†	41.1†	52.7†
45-54	64.6	63.1	66.6	64.7	63.5	66.3	58.9	56.9†	61.6†
55-64	62.7	61.0	65.6	63.6	61.8	66.8	56.7	57.3†	56.0†
65-74	62.5	62.5	62.6	63.4	63.2	63.7	53.3	55.7†	49.9†
75+	54.0	55.1	53.1	54.9	56.6	53.7	46.0†	45.7†	46.5†
Under 65	62.6	60.6	65.5	63.4	61.4	66.5	55.4	53.9	57.2
65 and over	59.1	59.9	58.1	59.9	60.8	58.9	50.7	52.5	48.8

<sup>a</sup><sup>b</sup>

Rates are based on End Results data from a series of hospital registries and one population-based registry. Rates are from the SEER Program. They are based on data from population-based registries in Connecticut, New Mexico, Utah, Iowa, Hawaii, Atlanta, Detroit, Seattle-Puget Sound and San Francisco-Oakland. Rates are based on follow-up of patients through 1995.

S

The difference in rates between 1974-76 and 1989-94 is statistically significant ( $p < .05$ ).

†

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

↑

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

-

Statistic could not be calculated.

Table VI-10  
COLON AND RECTUM CANCER (Invasive)

INCIDENCE, MORTALITY, AND SURVIVAL RATES

By Year of Diagnosis/Death

All Races, Males and Females

Year of Diagnosis/Death

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Incidence																					
SEER	47.4	49.1	49.5	49.4	49.3	50.4	50.9	49.7	50.4	51.5	52.8	51.2	49.8	48.6	48.8	48.3	47.4	46.4	45.4	44.5	42.7
Mortality																					
U.S.	21.7	22.0	21.8	21.9	21.7	21.5	21.1	20.9	20.8	21.0	20.6	20.1	19.9	19.3	19.1	18.8	18.3	18.0	17.8	17.6	17.4
SEER	22.0	22.1	22.2	22.0	21.8	21.1	20.6	20.7	19.6	20.3	20.8	19.2	19.0	18.4	18.7	17.8	17.3	17.0	16.9	17.0	16.2
Relative Survival Rates (SEER)																					
1-year	73.1	74.7	74.6	74.9	76.0	75.6	78.5	78.5	78.3	79.2	80.1	81.5	81.2	80.7	81.5	82.1	82.7	82.0	81.1	81.8	
2-year	61.4	62.9	63.6	64.6	65.6	65.4	68.6	68.1	67.8	69.0	71.2	72.5	72.4	72.4	72.8	73.8	74.3	73.6	72.8		
3-year	55.8	56.7	57.3	58.3	58.9	58.6	62.0	62.2	61.7	62.8	65.5	67.2	67.0	67.1	68.2	69.1	68.9	68.2			
4-year	51.8	53.0	53.8	54.4	55.2	54.8	57.6	58.3	58.0	59.3	62.0	63.6	63.2	63.8	64.4	65.0	65.5				
5-year	49.2	51.1	51.2	51.6	52.8	52.2	55.4	55.3	56.0	56.5	59.8	61.4	60.9	61.4	61.9	62.8					
6-year	47.3	49.5	49.4	49.8	51.2	50.5	53.7	53.6	54.1	54.9	58.2	59.5	59.4	59.9	60.6						
7-year	46.3	48.6	48.4	48.8	49.8	49.4	52.2	52.5	52.8	53.6	57.1	58.1	57.7	58.6							
8-year	45.5	48.0	47.3	48.2	48.9	48.4	51.6	51.4	51.8	53.3	56.4	57.1	57.2								
9-year	45.2	47.5	46.5	47.8	48.6	48.0	51.0	51.1	51.1	52.5	55.5	56.5									
10-year	44.4	47.1	46.2	47.3	48.1	47.6	50.6	51.1	50.5	51.6	55.0										
11-year	44.1	46.8	46.2	46.9	47.5	47.2	50.6	50.7	49.6	51.2											
12-year	44.1	46.2	46.0	46.9	47.1	47.1	50.6	50.3	49.5												
13-year	43.9	45.8	46.0	46.8	47.1	47.1	50.6	50.3													
14-year	43.6	45.6	45.5	46.3	46.9	47.0	50.4														
15-year	43.0	45.3	45.3	46.3	46.9	47.0															
16-year	42.5	45.2	44.9	46.3	46.7																
17-year	42.3	45.2	44.5	46.2																	
18-year	42.1	45.2	44.0																		
19-year	42.1	45.2																			
20-year	42.1																				

Note: Incidence and mortality rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
 Survival rates are relative rates expressed as percents.

Table VI-11  
COLON AND RECTUM CANCER (Invasive)

INCIDENCE, MORTALITY, AND SURVIVAL RATES

By Year of Diagnosis/Death

All Races, Males

Year of Diagnosis/Death

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Incidence																					
SEER	54.1	57.3	58.0	57.2	58.3	58.7	59.9	59.2	59.8	61.6	63.0	61.9	61.2	59.5	59.4	58.9	58.0	56.4	54.6	53.3	50.3
Mortality																					
U.S.	25.3	25.6	25.6	25.9	25.7	25.8	25.2	25.2	25.3	25.3	25.1	24.5	24.4	23.7	23.5	23.4	22.6	22.3	21.8	21.6	21.2
SEER	25.8	25.9	25.8	26.6	26.0	24.9	24.1	24.8	23.8	24.3	25.8	23.1	22.6	22.6	22.9	21.7	21.3	21.3	20.1	21.3	19.6
Relative Survival Rates (SEER)																					
1-year	72.6	74.8	74.5	74.9	76.2	76.4	79.6	79.6	79.5	79.3	81.3	82.8	82.2	81.5	82.4	83.3	83.6	83.2	81.8	83.0	
2-year	61.8	62.6	63.0	65.1	65.6	66.1	69.1	68.5	69.0	68.5	72.7	73.8	73.8	74.0	73.9	74.8	75.4	74.7	73.5		
3-year	55.6	56.3	56.3	57.9	58.2	59.2	62.2	62.7	62.6	61.7	67.2	68.3	68.1	68.3	69.2	70.3	70.0	69.2			
4-year	51.5	52.5	52.7	53.4	53.9	55.0	57.6	58.0	58.8	57.9	63.2	64.6	63.8	63.9	65.3	65.8	66.1				
5-year	48.5	50.1	50.1	50.7	51.2	51.9	54.8	54.7	56.8	55.4	60.6	62.2	61.6	61.8	62.8	63.1					
6-year	46.2	48.2	48.0	48.5	49.3	50.1	52.7	53.0	54.7	53.4	58.9	59.9	60.4	60.2	61.4						
7-year	44.8	46.9	47.0	47.5	48.0	48.9	50.9	51.8	53.1	52.1	57.4	58.8	58.6	59.0							
8-year	43.9	46.1	46.1	47.0	46.8	47.9	50.7	50.7	51.4	51.6	57.0	58.1	58.0								
9-year	43.7	45.4	44.6	46.8	46.8	47.3	50.4	50.7	50.6	50.5	56.1	57.5									
10-year	42.7	44.9	44.4	46.0	46.1	47.2	49.9	50.5	49.9	49.8	55.7										
11-year	42.7	44.7	44.1	45.5	46.0	47.1	49.5	50.0	49.2	49.4											
12-year	42.6	44.1	43.9	45.5	45.2	46.9	49.5	49.6	49.2												
13-year	42.6	43.3	43.9	45.5	45.2	46.9	49.5	49.6													
14-year	42.6	42.9	43.2	44.9	45.0	46.9	49.5														
15-year	42.5	42.9	43.2	44.9	45.0	46.9															
16-year	42.3	42.9	42.7	44.8	44.8																
17-year	42.3	42.9	42.7	44.4																	
18-year	42.3	42.9	42.5																		
19-year	42.3	42.9																			
20-year	42.3																				

Note: Incidence and mortality rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
 Survival rates are relative rates expressed as percents.

Table VI-12  
COLON AND RECTUM CANCER (Invasive)

INCIDENCE, MORTALITY, AND SURVIVAL RATES

By Year of Diagnosis/Death

All Races, Females

Year of Diagnosis/Death

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Incidence																					
SEER	42.7	43.2	43.5	43.9	43.0	44.5	44.5	42.9	43.6	44.2	45.3	43.3	41.6	40.7	41.1	40.5	39.4	39.0	38.3	37.7	36.9
Mortality																					
U.S.	19.3	19.5	19.1	19.2	18.9	18.6	18.2	18.0	17.7	18.0	17.5	17.0	16.7	16.3	15.9	15.6	15.4	15.0	15.0	14.6	14.5
SEER	19.4	19.4	19.8	18.8	18.9	18.5	18.2	18.0	16.8	17.5	17.3	16.4	16.6	15.4	15.8	15.2	14.5	14.0	14.6	14.0	13.6
Relative Survival Rates (SEER)																					
1-year	73.5	74.5	74.7	74.9	75.8	74.8	77.4	77.3	77.1	79.0	78.8	80.2	80.1	79.8	80.6	80.8	81.8	80.7	80.3	80.5	
2-year	61.0	63.1	64.2	64.1	65.6	64.7	68.2	67.7	66.7	69.4	69.8	71.2	70.9	70.7	71.6	72.9	73.2	72.5	72.2		
3-year	55.9	57.1	58.3	58.7	59.7	58.0	61.9	61.7	60.9	63.9	64.0	66.1	65.8	65.9	67.2	67.8	67.9	67.2			
4-year	52.0	53.5	54.8	55.3	56.5	54.6	57.7	58.6	57.3	60.6	61.0	62.6	62.5	63.7	63.6	64.1	64.9				
5-year	49.8	52.0	52.1	52.3	54.4	52.5	56.1	56.0	55.3	57.6	59.1	60.6	60.3	61.0	60.9	62.4					
6-year	48.3	50.7	50.6	50.9	52.9	50.9	54.7	54.2	53.6	56.4	57.6	59.1	58.4	59.6	59.8						
7-year	47.6	50.2	49.6	49.9	51.5	49.9	53.4	53.1	52.5	55.0	56.8	57.5	56.9	58.2							
8-year	46.9	49.7	48.3	49.2	50.9	48.9	52.5	52.1	52.1	54.8	55.9	56.1	56.4								
9-year	46.5	49.3	48.2	48.7	50.2	48.6	51.4	51.5	51.6	54.4	55.0	55.5									
10-year	45.8	49.0	47.7	48.3	49.9	47.9	51.2	51.5	50.9	53.1	54.4										
11-year	45.2	48.5	47.7	48.2	48.9	47.2	51.2	51.4	50.0	52.8											
12-year	45.2	48.0	47.7	48.2	48.8	47.2	51.2	50.9	49.8												
13-year	44.7	48.0	47.7	48.0	48.7	47.1	51.2	50.9													
14-year	44.3	47.9	47.5	47.5	48.6	46.8	51.2														
15-year	43.4	47.2	47.1	47.5	48.6	46.8															
16-year	42.6	46.8	46.6	47.5	48.3																
17-year	42.3	46.8	46.0	47.5																	
18-year	41.7	46.8	45.2																		
19-year	41.7	46.8																			
20-year	41.6																				

Note: Incidence and mortality rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
 Survival rates are relative rates expressed as percents.

Table VI-13  
COLON AND RECTUM CANCER (Invasive)

Percent Diagnosed With Cancer In 10, 20 and 30 Years and In Remaining Lifetime,  
 Given Cancer Free At Current Age By Race and Sex

Lifetime Risk (Percent) of Being Diagnosed With Cancer and  
 Lifetime Risk (Percent) of Dying From Cancer

SEER Areas, 1993-95

All Races

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.00	0.01	5.69	0.00	0.00	0.01	5.62
10	0.00	0.01	0.06	5.75	0.00	0.01	0.05	5.67
20	0.01	0.06	0.23	5.79	0.01	0.05	0.21	5.69
30	0.05	0.23	0.90	5.88	0.04	0.20	0.70	5.71
40	0.18	0.87	2.41	5.99	0.16	0.67	1.81	5.72
50	0.72	2.33	4.42	6.07	0.52	1.69	3.50	5.69
60	1.76	4.05	5.59	5.85	1.23	3.14	4.94	5.45
	Lifetime Risk of Being Diagnosed = 5.69%				Lifetime Risk of Being Diagnosed = 5.62%			
	Lifetime Risk of Dying = 2.49%				Lifetime Risk of Dying = 2.49%			

Whites

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.00	0.01	5.80	0.00	0.00	0.01	5.68
10	0.00	0.01	0.05	5.85	0.00	0.01	0.05	5.71
20	0.01	0.05	0.21	5.89	0.01	0.04	0.18	5.73
30	0.05	0.21	0.86	5.96	0.03	0.17	0.65	5.75
40	0.17	0.84	2.41	6.06	0.14	0.62	1.77	5.76
50	0.70	2.33	4.45	6.12	0.49	1.66	3.50	5.72
60	1.77	4.07	5.63	5.88	1.23	3.17	4.99	5.49
	Lifetime Risk of Being Diagnosed = 5.80%				Lifetime Risk of Being Diagnosed = 5.68%			
	Lifetime Risk of Dying = 2.55%				Lifetime Risk of Dying = 2.49%			

Blacks

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.00	0.02	4.23	0.00	0.00	0.01	5.09
10	0.00	0.02	0.08	4.33	0.00	0.01	0.09	5.18
20	0.02	0.07	0.32	4.40	0.01	0.09	0.32	5.20
30	0.06	0.32	1.09	4.56	0.08	0.31	1.03	5.25
40	0.28	1.10	2.32	4.79	0.23	0.97	2.18	5.29
50	0.91	2.28	3.93	5.02	0.77	2.05	3.72	5.31
60	1.65	3.65	4.84	4.97	1.41	3.26	4.63	5.03
	Lifetime Risk of Being Diagnosed = 4.23%				Lifetime Risk of Being Diagnosed = 5.09%			
	Lifetime Risk of Dying = 2.18%				Lifetime Risk of Dying = 2.65%			

Table VI-14  
COLON AND RECTUM CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE AND U.S. MORTALITY RATES

By Race/Ethnicity and Sex

Incidence<sup>i</sup>

RACE/ETHNICITY	Rate 1990-1995 Rate per 100,000 persons			Trend 1990-1995 EAPC (%)		
	Total	Males	Females	Total	Males	Females
	All Races	44.6	54.0	37.6	-2.3*	-2.8*
White	44.3	53.8	37.2	-2.4*	-3.1*	-1.9*
White Hispanic	30.6	37.4	25.6	-2.3*	-3.0	-1.7*
White Non-Hispanic	45.5	55.2	38.2	-2.4*	-3.1*	-1.9*
Black	51.2	59.4	45.5	-2.0*	-1.8	-2.0
Asian/Pacific Islander <sup>‡</sup>	38.3	47.2	31.2	-1.0	-0.6	-1.2
American Indian	16.4	21.9	-	0.3	0.0	-
Hispanic <sup>⊙</sup>	29.1	35.6	24.3	-2.4*	-3.2	-1.7*

Mortality<sup>❖</sup>

RACE/ETHNICITY	Rate 1990-1995 Rate per 100,000 persons			Trend 1990-1995 EAPC (%)		
	Total	Males	Females	Total	Males	Females
	All Races	18.0	22.1	15.0	-1.5*	-1.9*
White	17.6	21.8	14.6	-1.6*	-2.0*	-1.5*
White Hispanic	11.1	13.9	8.9	-0.9	-0.6	-1.4
White Non-Hispanic	18.0	22.2	14.9	-1.6*	-2.0*	-1.4*
Black	23.3	28.0	20.1	-0.6	-0.6	-0.9
Asian/Pacific Islander <sup>‡</sup>	11.0	13.6	9.0	-0.3	-0.9	0.5
American Indian	9.6	10.5	8.7	1.6	1.2	1.0
Hispanic <sup>⊙</sup>	10.5	13.2	8.5	-1.1	-0.8	-1.7

- The EAPC is the Estimated Annual Percent Change over the time interval.
- Statistic not shown. Rate based on less than 10 cases per year within the time interval.
- <sup>i</sup> Incidence data are from the 11 SEER areas (San Francisco, Connecticut, Detroit, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, and Los Angeles). Unless specified, other tables use data from 9 SEER areas (San Francisco, Connecticut, Detroit, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- <sup>⊙</sup> Hispanic is not mutually exclusive from whites, blacks, Asian Pacific Islanders, and American Indians. For incidence, all 11 SEER areas are included. For mortality, information is included for all states except Connecticut, Oklahoma, Louisiana, and New Hampshire.
- <sup>❖</sup> Mortality data are analyzed from a public-use file provided by the National Center for Health Statistics (NCHS).
- <sup>‡</sup> Population estimates for the Asian Pacific Islanders rates are adjusted Census Bureau estimates. The population estimates used in Wingo PA, Ries LAG, Rosenberg HM, Miller DS, Edwards BK. Cancer Incidence and mortality, 1973-1995. Cancer 82:1197-207, 1998 were unadjusted.
- \* The EAPC is significantly different from zero (p<.05).

Table VI-15  
COLON CANCER (Invasive) and RECTUM CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE

By Race/Ethnicity and Sex

Colon Incidence

RACE/ETHNICITY	Rate 1990-1995			Trend 1990-1995		
	Rate per 100,000 persons			EAPC (%)		
	Total	Males	Females	Total	Males	Females
All Races	32.1	37.5	28.1	-2.1★	-2.7★	-1.6★
White	31.8	37.4	27.7	-2.3★	-3.0★	-1.7★
White Hispanic	20.7	24.0	18.3	-1.5	-2.2	-0.8
White Non-Hispanic	32.8	38.6	28.5	-2.3★	-2.9★	-1.8★
Black	39.2	44.2	35.9	-1.9★	-2.2★	-1.5
Asian/Pacific Islander <sup>‡</sup>	25.7	30.7	21.7	-0.5	-0.3	-0.4
American Indian	11.0	14.3	-	2.5	-1.2	-
Hispanic <sup>⊙</sup>	19.7	23.0	17.4	-1.6	-2.5	-0.7

Rectum Incidence

RACE/ETHNICITY	Rate 1990-1995			Trend 1990-1995		
	Rate per 100,000 persons			EAPC (%)		
	Total	Males	Females	Total	Males	Females
All Races	12.6	16.5	9.6	-2.8★	-3.0★	-2.9★
White	12.5	16.4	9.5	-2.9★	-3.5★	-2.6★
White Hispanic	9.9	13.4	7.3	-3.9★	-4.0	-4.2★
White Non-Hispanic	12.7	16.7	9.7	-2.8★	-3.4★	-2.4★
Black	11.9	15.1	9.6	-2.2★	-0.6	-4.0
Asian/Pacific Islander <sup>‡</sup>	12.6	16.6	9.5	-2.1	-1.2	-3.3
American Indian	-	-	-	-	-	-
Hispanic <sup>⊙</sup>	9.4	12.7	6.9	-4.1★	-4.2	-4.2★

- The EAPC is the Estimated Annual Percent Change over the time interval.
- Statistic not shown. Rate based on less than 10 cases per year within the time interval.
- i Incidence data are from the 11 SEER areas (San Francisco, Connecticut, Detroit, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, and Los Angeles). Unless specified, other tables use data from 9 SEER areas (San Francisco, Connecticut, Detroit, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- ⊙ Hispanic is not mutually exclusive from whites, blacks, Asian Pacific Islanders, and American Indians. For incidence, all 11 SEER areas are included. For mortality, information is included for all states except Connecticut, Oklahoma, Louisiana, and New Hampshire.
- ❖ Mortality data are analyzed from a public-use file provided by the National Center for Health Statistics (NCHS).
- ‡ Population estimates for the Asian Pacific Islanders rates are adjusted Census Bureau estimates. The population estimates used in Wingo PA, Ries LAG, Rosenberg HM, Miller DS, Edwards BK. Cancer Incidence and mortality, 1973-1995. Cancer 82:1197-207, 1998 were unadjusted.
- ★ The EAPC is significantly different from zero (p<.05).

Table VI-16  
COLON AND RECTUM CANCER (Invasive)AGE-ADJUSTED SEER INCIDENCE RATES§ AND SEER MORTALITY RATES\*  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES§, 1991-95</u>									
REGISTRY									
11 registries	44.2	53.3	37.2	43.9	53.1	36.8	50.8	59.5	44.7
9 registries	45.2	54.5	38.2	44.9	54.2	37.7	51.5	60.1	45.6
San Francisco-Oakland	43.8	53.4	36.4	44.2	53.7	36.8	50.5	62.1	41.9
Connecticut	48.8	59.3	41.1	48.7	59.4	40.8	51.4	62.6	44.7
Metropolitan Detroit	49.1	60.7	40.8	47.8	60.6	38.7	52.3	59.8	47.0
Hawaii	45.5	55.9	36.3	50.6	60.3	41.2	-	-	-
Iowa	50.1	59.1	43.3	50.1	59.0	43.3	-	-	-
New Mexico	33.8	40.5	28.4	34.7	41.6	29.0	-	-	-
Seattle-Puget Sound	42.8	50.8	36.4	42.5	50.2	36.3	50.1	69.2	32.8
Utah	34.1	41.6	27.9	33.9	41.4	27.7	-	-	-
Metropolitan Atlanta	45.2	52.9	40.0	42.7	50.7	37.0	52.6	58.8	49.2
San Jose-Monterey	42.1	49.2	36.7	42.9	50.0	37.5	44.1	55.2	35.5
Los Angeles	41.4	50.8	34.3	40.6	50.0	33.4	49.4	58.2	43.1
<u>SEER MORTALITY RATES*, 1991-95</u>									
REGISTRY									
11 registries	16.6	20.3	13.9	16.4	20.2	13.7	22.5	26.7	19.7
9 registries	16.9	20.7	14.1	16.7	20.6	13.9	22.5	26.6	19.7
San Francisco-Oakland	16.2	19.6	13.8	16.3	19.8	13.9	22.4	26.7	19.0
Connecticut	17.7	22.1	14.5	17.7	22.2	14.5	17.4	20.2	15.5
Metropolitan Detroit	19.0	24.1	15.6	17.8	23.4	14.2	23.7	27.5	21.1
Hawaii	14.8	18.6	11.4	17.2	21.5	13.2	-	-	-
Iowa	18.5	22.5	15.6	18.5	22.5	15.7	-	-	-
New Mexico	14.1	17.3	11.6	14.4	17.5	11.8	-	-	-
Seattle-Puget Sound	15.9	19.0	13.5	15.8	18.8	13.5	20.2	27.5	14.1
Utah	13.7	17.0	11.2	13.7	17.0	11.2	-	-	-
Metropolitan Atlanta	16.6	20.0	14.4	14.9	18.2	12.5	23.5	27.9	21.4
San Jose-Monterey	15.6	18.8	13.1	16.1	19.2	13.6	23.4	32.1	17.4
Los Angeles	15.9	19.2	13.5	15.6	18.9	13.1	22.5	26.6	19.7

Note: San Jose-Monterey and Los Angeles are new SEER areas as of 1992 and their data are only used in tables where indicated.  
 § SEER Program. Incidence rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
 \* NCHS public use tape. Mortality rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
 - Statistic could not be calculated or populations are inadequate.



Table VI-17  
COLON AND RECTUM CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER MORTALITY\* RATES BY STATE, 1991-95

All Races, Males and Females

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	17.8	0.03							
High Five States									
District of Columbia	21.5*	0.78	(01)	20.8					
New Jersey	21.0*	0.20	(02)	18.0					
Maryland	20.5*	0.28	(03)	15.2					
Maine	20.4*	0.51	(04)	14.6					
Massachusetts	20.4*	0.23	(05)	14.6					
Low Five States									
Wyoming	15.1*	0.77	(47)	-15.2					
Hawaii	14.8*	0.48	(48)	-16.9					
Idaho	14.2*	0.48	(49)	-20.2					
New Mexico	14.1*	0.41	(50)	-20.8					
Utah	13.7*	0.41	(51)	-23.0					
Alabama	15.2*	0.24	(45)	-14.6	Montana	16.3	0.56	(37)	-8.4
Alaska	18.8	1.17	(16)	5.6	Nebraska	18.2	0.43	(21)	2.2
Arizona	15.1*	0.25	(46)	-15.2	Nevada	16.8	0.47	(32)	-5.6
Arkansas	17.4	0.33	(29)	-2.2	New Hampshire	19.6*	0.56	(11)	10.1
California	15.6*	0.10	(41)	-12.4	New Jersey	21.0*	0.20	(02)	18.0
Colorado	15.3*	0.29	(44)	-14.0	New Mexico	14.1*	0.41	(50)	-20.8
Connecticut	17.7	0.29	(26)	-0.6	New York	19.7*	0.13	(09)	10.7
Delaware	20.2*	0.71	(07)	13.5	North Carolina	17.2	0.21	(31)	-3.4
District of Columbia	21.5*	0.78	(01)	20.8	North Dakota	17.9	0.66	(23)	0.6
Florida	16.6*	0.13	(34)	-6.7	Ohio	19.7*	0.17	(10)	10.7
Georgia	15.9*	0.21	(40)	-10.7	Oklahoma	16.3*	0.28	(38)	-8.4
Hawaii	14.8*	0.48	(48)	-16.9	Oregon	15.5*	0.29	(42)	-12.9
Idaho	14.2*	0.48	(49)	-20.2	Pennsylvania	20.2*	0.16	(06)	13.5
Illinois	19.8*	0.17	(08)	11.2	Rhode Island	19.6*	0.54	(12)	10.1
Indiana	19.2*	0.24	(14)	7.9	South Carolina	17.9	0.30	(24)	0.6
Iowa	18.5	0.31	(18)	3.9	South Dakota	17.7	0.62	(27)	-0.6
Kansas	16.7	0.33	(33)	-6.2	Tennessee	17.6	0.24	(28)	-1.1
Kentucky	19.5*	0.29	(13)	9.6	Texas	16.4*	0.13	(36)	-7.9
Louisiana	18.8	0.28	(17)	5.6	Utah	13.7*	0.41	(51)	-23.0
Maine	20.4*	0.51	(04)	14.6	Vermont	17.8	0.73	(25)	0.0
Maryland	20.5*	0.28	(03)	15.2	Virginia	18.1	0.23	(22)	1.7
Massachusetts	20.4*	0.23	(05)	14.6	Washington	15.5*	0.23	(43)	-12.9
Michigan	18.3	0.18	(20)	2.8	West Virginia	18.8	0.38	(15)	5.6
Minnesota	16.3*	0.25	(39)	-8.4	Wisconsin	17.2	0.23	(30)	-3.4
Mississippi	16.6	0.33	(35)	-6.7	Wyoming	15.1*	0.77	(47)	-15.2
Missouri	18.4	0.23	(19)	3.4					

\* NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
 SE Standard error of the rate.  
 PD Percent difference between state rate and total U.S. rate.  
 \* Absolute difference between state rate and total U.S. rate is 10% or more.  
 ⊕ Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

Table VI-18  
COLON AND RECTUM CANCER (Invasive)

## AVERAGE ANNUAL AGE-ADJUSTED CANCER MORTALITY\* RATES BY STATE, 1991-95

All Races, Males

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	21.9	0.06							
High Five States									
New Jersey	26.2⊕*	0.36	(01)	19.6					
District of Columbia	25.8*	1.37	(02)	17.8					
Massachusetts	25.7⊕*	0.41	(03)	17.4					
Pennsylvania	25.1⊕*	0.27	(04)	14.6					
Rhode Island	25.1*	0.95	(05)	14.6					
Low Five States									
Colorado	18.3⊕*	0.49	(47)	-16.4					
New Mexico	17.3⊕*	0.68	(48)	-21.0					
Idaho	17.2⊕*	0.78	(49)	-21.5					
Wyoming	17.1*	1.26	(50)	-21.9					
Utah	17.0⊕*	0.70	(51)	-22.4					
Alabama	18.7⊕*	0.43	(42)	-14.6	Montana	20.1	0.93	(37)	-8.2
Alaska	21.4	1.85	(28)	-2.3	Nebraska	23.4	0.73	(13)	6.8
Arizona	18.4⊕*	0.42	(46)	-16.0	Nevada	20.2	0.78	(35)	-7.8
Arkansas	21.8	0.57	(26)	-0.5	New Hampshire	23.3	0.94	(15)	6.4
California	18.8⊕*	0.17	(41)	-14.2	New Jersey	26.2⊕*	0.36	(01)	19.6
Colorado	18.3⊕*	0.49	(47)	-16.4	New Mexico	17.3⊕*	0.68	(48)	-21.0
Connecticut	22.1	0.50	(23)	0.9	New York	24.3⊕*	0.23	(10)	11.0
Delaware	24.5*	1.21	(09)	11.9	North Carolina	20.9	0.36	(32)	-4.6
District of Columbia	25.8*	1.37	(02)	17.8	North Dakota	22.3	1.09	(21)	1.8
Florida	20.2⊕	0.21	(36)	-7.8	Ohio	24.6⊕*	0.30	(08)	12.3
Georgia	19.6⊕*	0.38	(40)	-10.5	Oklahoma	19.8	0.48	(39)	-9.6
Hawaii	18.6*	0.79	(43)	-15.1	Oregon	18.5⊕*	0.47	(44)	-15.5
Idaho	17.2⊕*	0.78	(49)	-21.5	Pennsylvania	25.1⊕*	0.27	(04)	14.6
Illinois	24.9⊕*	0.30	(07)	13.7	Rhode Island	25.1*	0.95	(05)	14.6
Indiana	23.3	0.41	(14)	6.4	South Carolina	22.3	0.53	(22)	1.8
Iowa	22.5	0.52	(20)	2.7	South Dakota	21.4	1.02	(30)	-2.3
Kansas	21.4	0.56	(29)	-2.3	Tennessee	21.6	0.42	(27)	-1.4
Kentucky	24.0	0.50	(12)	9.6	Texas	20.3⊕	0.23	(33)	-7.3
Louisiana	22.9	0.49	(17)	4.6	Utah	17.0⊕*	0.70	(51)	-22.4
Maine	24.1*	0.86	(11)	10.0	Vermont	21.2	1.24	(31)	-3.2
Maryland	25.1⊕*	0.48	(06)	14.6	Virginia	22.0	0.40	(24)	0.5
Massachusetts	25.7⊕*	0.41	(03)	17.4	Washington	18.4⊕*	0.38	(45)	-16.0
Michigan	22.8	0.32	(19)	4.1	West Virginia	22.9	0.66	(18)	4.6
Minnesota	19.8	0.42	(38)	-9.6	Wisconsin	21.9	0.40	(25)	0.0
Mississippi	20.3	0.57	(34)	-7.3	Wyoming	17.1*	1.26	(50)	-21.9
Missouri	22.9	0.40	(16)	4.6					

\* NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
SE Standard error of the rate.  
PD Percent difference between state rate and total U.S. rate.  
\* Absolute difference between state rate and total U.S. rate is 10% or more.  
⊕ Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

Table VI-19  
COLON AND RECTUM CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER MORTALITY\* RATES BY STATE, 1991-95

All Races, Females

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	14.9	0.04							
High Five States									
District of Columbia	18.6*	0.95	(01)	24.8					
Maine	17.6*	0.63	(02)	18.1					
New Jersey	17.3⊕*	0.24	(03)	16.1					
Maryland	17.2⊕*	0.33	(04)	15.4					
Delaware	17.0*	0.86	(05)	14.1					
Low Five States									
Arizona	12.4⊕*	0.31	(47)	-16.8					
Idaho	11.9*	0.60	(48)	-20.1					
New Mexico	11.6⊕*	0.49	(49)	-22.1					
Hawaii	11.4⊕*	0.58	(50)	-23.5					
Utah	11.2⊕*	0.50	(51)	-24.8					
Alabama	12.9⊕*	0.30	(46)	-13.4	Montana	13.2*	0.67	(43)	-11.4
Alaska	16.2	1.48	(13)	8.7	Nebraska	14.2	0.51	(29)	-4.7
Arizona	12.4⊕*	0.31	(47)	-16.8	Nevada	13.9	0.59	(31)	-6.7
Arkansas	14.2	0.40	(30)	-4.7	New Hampshire	16.9*	0.69	(06)	13.4
California	13.3⊕*	0.12	(40)	-10.7	New Jersey	17.3⊕*	0.24	(03)	16.1
Colorado	13.0⊕*	0.35	(45)	-12.8	New Mexico	11.6⊕*	0.49	(49)	-22.1
Connecticut	14.5	0.34	(28)	-2.7	New York	16.7⊕*	0.16	(09)	12.1
Delaware	17.0*	0.86	(05)	14.1	North Carolina	14.6	0.25	(27)	-2.0
District of Columbia	18.6*	0.95	(01)	24.8	North Dakota	14.8	0.83	(23)	-0.7
Florida	13.8⊕	0.16	(35)	-7.4	Ohio	16.3⊕	0.20	(11)	9.4
Georgia	13.4⊕*	0.26	(39)	-10.1	Oklahoma	13.9	0.35	(33)	-6.7
Hawaii	11.4⊕*	0.58	(50)	-23.5	Oregon	13.3*	0.35	(41)	-10.7
Idaho	11.9*	0.60	(48)	-20.1	Pennsylvania	16.8⊕*	0.19	(08)	12.8
Illinois	16.2⊕	0.20	(14)	8.7	Rhode Island	16.1	0.65	(15)	8.1
Indiana	16.3	0.29	(12)	9.4	South Carolina	14.7	0.35	(26)	-1.3
Iowa	15.6	0.38	(18)	4.7	South Dakota	14.8	0.76	(25)	-0.7
Kansas	13.2*	0.39	(44)	-11.4	Tennessee	14.8	0.29	(24)	-0.7
Kentucky	16.4*	0.35	(10)	10.1	Texas	13.5⊕	0.16	(38)	-9.4
Louisiana	15.8	0.34	(17)	6.0	Utah	11.2⊕*	0.50	(51)	-24.8
Maine	17.6*	0.63	(02)	18.1	Vermont	15.4	0.90	(19)	3.4
Maryland	17.2⊕*	0.33	(04)	15.4	Virginia	15.4	0.28	(20)	3.4
Massachusetts	16.9⊕*	0.27	(07)	13.4	Washington	13.3⊕*	0.29	(42)	-10.7
Michigan	15.1	0.22	(22)	1.3	West Virginia	15.9	0.46	(16)	6.7
Minnesota	13.7	0.30	(37)	-8.1	Wisconsin	13.9	0.28	(34)	-6.7
Mississippi	13.7	0.39	(36)	-8.1	Wyoming	13.9	1.01	(32)	-6.7
Missouri	15.1	0.28	(21)	1.3					

\* NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
SE Standard error of the rate.  
PD Percent difference between state rate and total U.S. rate.  
\* Absolute difference between state rate and total U.S. rate is 10% or more.  
⊕ Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

# SEER Incidence and U.S. Mortality Colon & Rectum, Male By Race

## White

## Black

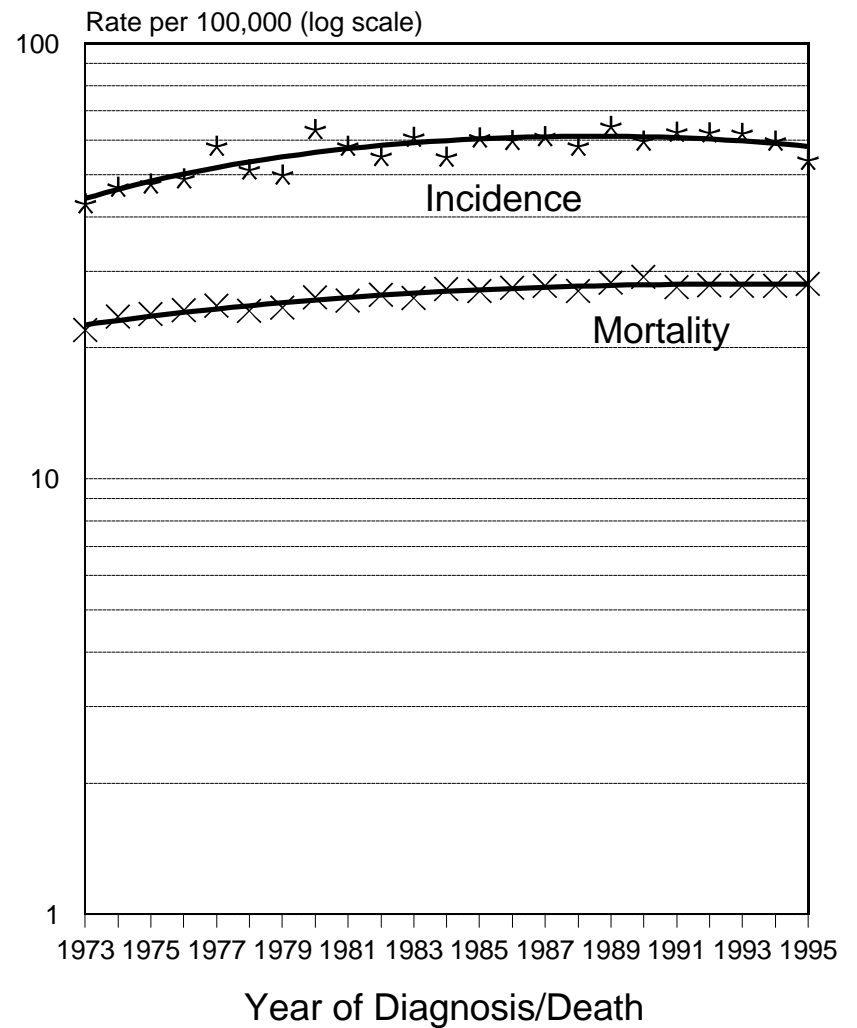
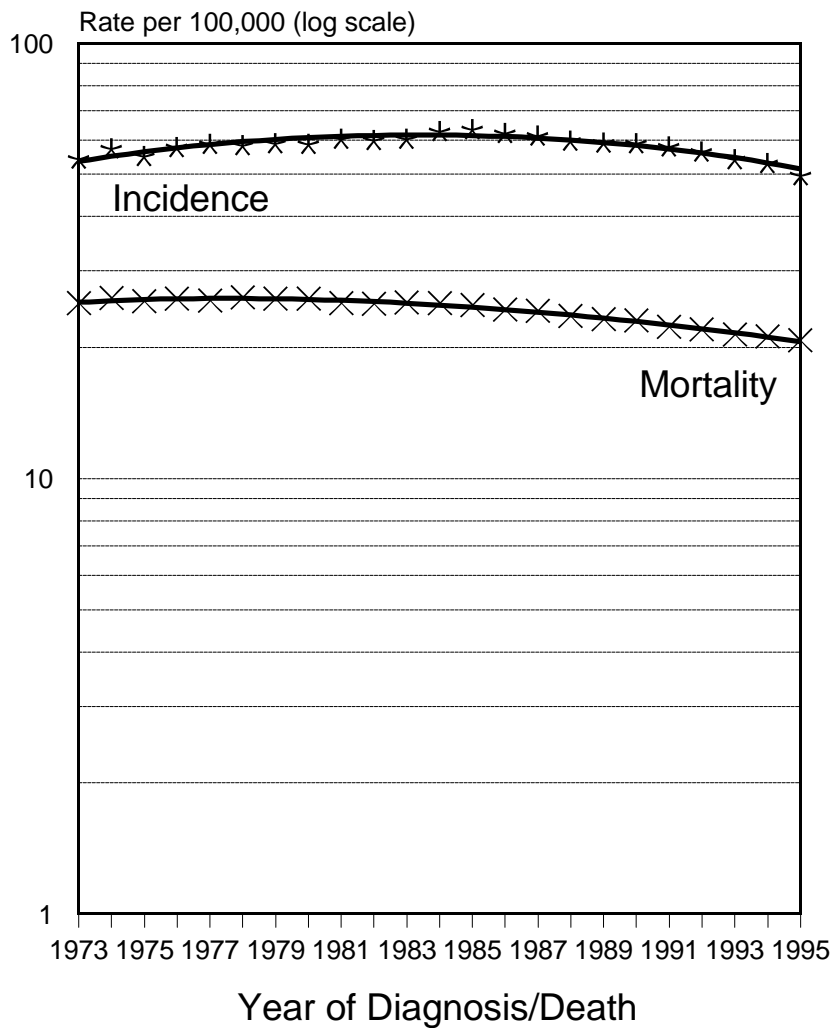


Figure VI-1

# SEER Incidence and U.S. Mortality Colon & Rectum, Female By Race

## White

## Black

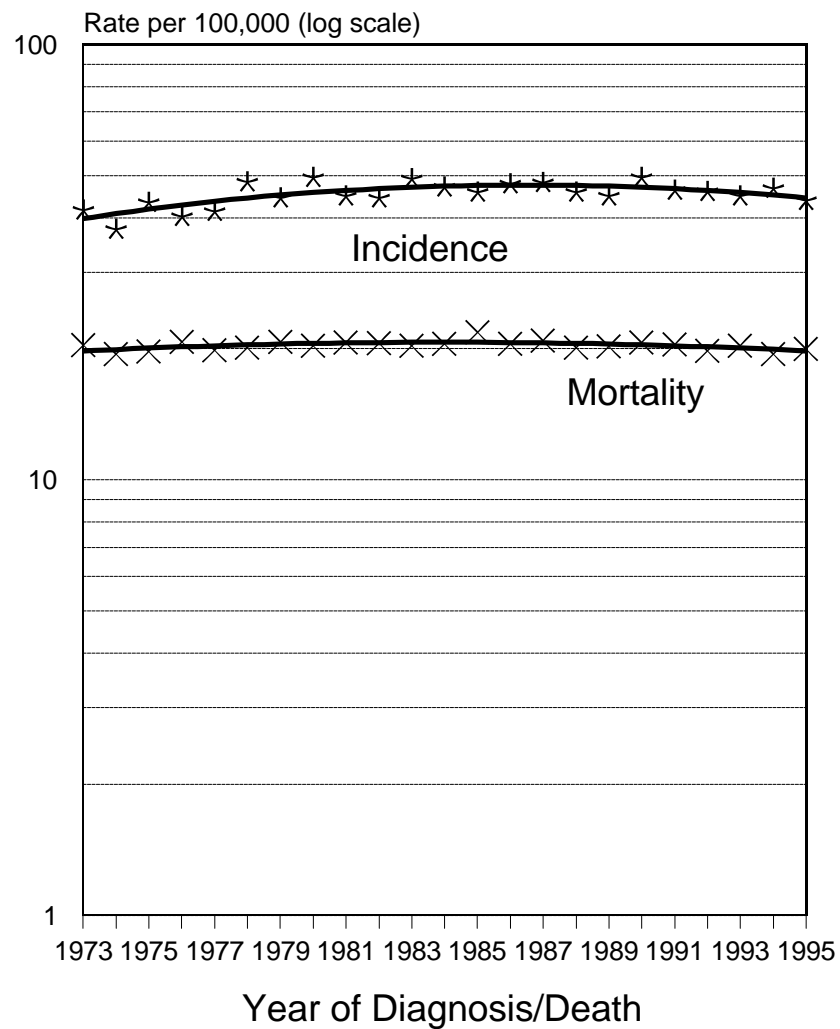
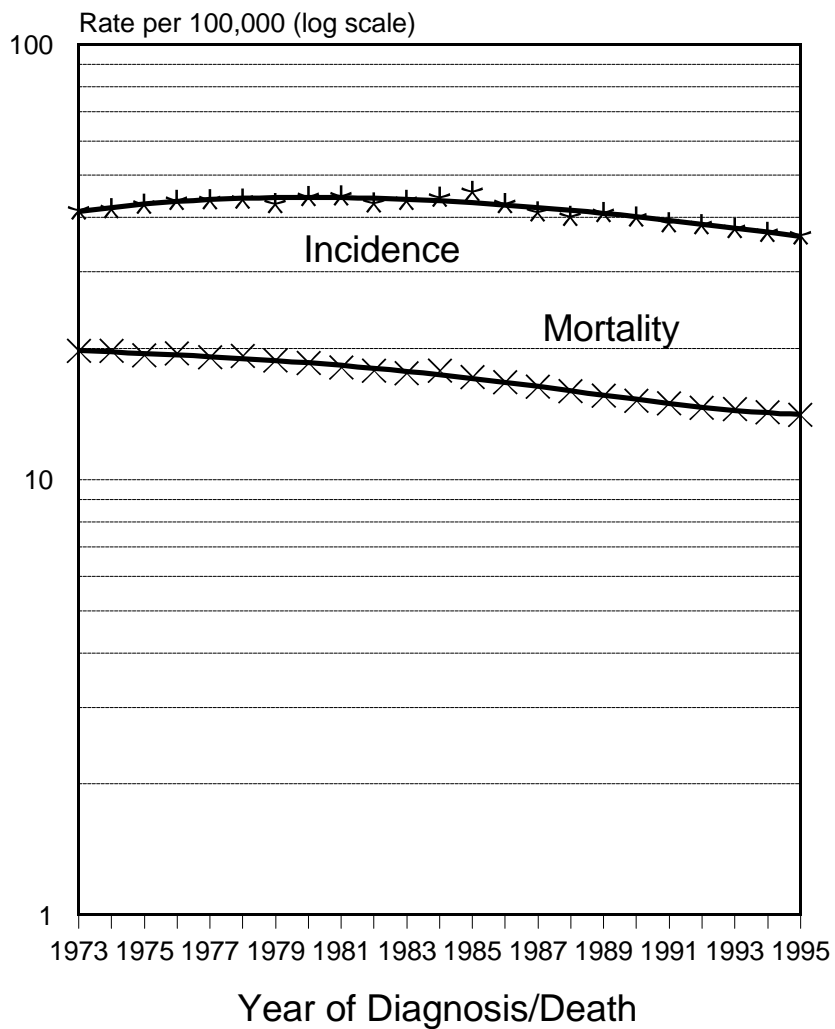


Figure VI-2