

Table VI-1  
COLON AND RECTUM CANCER (Invasive)

TRENDS IN SEER INCIDENCE AND U.S. MORTALITY USING THE JOINTPOINT REGRESSION PROGRAM, 1973-1998  
WITH UP TO THREE JOINTPOINTS BY RACE AND SEX

	<u>All Races</u>		<u>Whites</u>		<u>Blacks</u>	
	<u>Year</u>	<u>APC</u>	<u>Year</u>	<u>APC</u>	<u>Year</u>	<u>APC</u>
<u>SEER Cancer Incidence</u>						
Sex - Male and Female	1973-85	0.8★	1973-85	0.8★	1973-80	3.6★
	1985-95	-1.8★	1985-95	-1.9★	1980-98	-0.2
	1995-98	0.5	1995-98	0.5		
Sex - Male	1973-86	1.1★	1973-86	1.0★	1973-80	4.6★
	1986-95	-2.1★	1986-95	-2.2★	1980-98	-0.1
	1995-98	0.1	1995-98	0.1		
Sex - Female	1973-84	0.5★	1973-84	0.5★	1973-80	2.9★
	1984-96	-1.6★	1984-95	-1.9★	1980-98	-0.3
	1996-98	2.5	1995-98	1.1		
<u>U.S. Cancer Mortality</u>						
Sex - Male and Female	1973-84	-0.6★	1973-84	-0.7★	1973-86	0.9★
	1984-98	-1.8★	1984-98	-1.9★	1986-98	-0.5★
Sex - Male	1973-79	0.4	1973-78	0.4	1973-90	1.2★
	1979-87	-0.6★	1978-86	-0.6★	1990-98	-0.9★
	1987-98	-2.0★	1986-98	-2.1★		
Sex - Female	1973-84	-1.1★	1973-84	-1.2★	1973-85	0.5★
	1984-98	-1.9★	1984-98	-2.1★	1985-98	-0.6★

The APC is the Annual Percent Change based on rates age-adjusted to the 1970 U.S. standard population using the Jointpoint Regression Program.

\* The APC is significantly different from zero (p<.05).

Table VI-2  
COLON CANCER (Invasive) AND RECTUM CANCER (Invasive)

TRENDS IN SEER INCIDENCE USING THE JOINTPOINT REGRESSION PROGRAM, 1973-1998  
WITH UP TO THREE JOINTPOINTS BY RACE AND SEX

	<u>All Races</u>		<u>Whites</u>		<u>Blacks</u>	
	<u>Year</u>	<u>APC</u>	<u>Year</u>	<u>APC</u>	<u>Year</u>	<u>APC</u>
<u>SEER Cancer Incidence for Colon</u>						
Sex - Male and Female	1973-85	1.1★	1973-85	1.0★	1973-80	3.8★
	1985-98	-1.5★	1985-98	-1.6★	1980-93	0.3
					1993-98	-2.3★
Sex - Male	1973-85	1.8★	1973-85	1.7★	1973-89	2.0★
	1985-98	-1.6★	1985-98	-1.7★	1989-98	-1.9★
Sex - Female	1973-83	0.8★	1973-83	0.7★	1973-80	4.1★
	1983-98	-1.3★	1983-98	-1.4★	1980-98	-0.4
<u>SEER Cancer Incidence for Rectum</u>						
Sex - Male and Female	1973-85	0.0	1973-85	0.1	1973-98	0.1
	1985-95	-2.0★	1985-95	-2.2★		
	1995-98	2.0	1995-98	1.9		
Sex - Male	1973-89	-0.1	1973-89	-0.2	1973-98	0.4
	1989-94	-3.4★	1989-94	-3.8★		
	1994-98	1.0	1994-98	0.8		
Sex - Female	1973-84	0.0	1973-84	0.1	1973-98	-0.3
	1984-95	-2.1★	1984-95	-2.3★		
	1995-98	2.9	1995-98	3.0		

The APC is the Annual Percent Change based on rates age-adjusted to the 1970 U.S. standard population using the Joinpoint Regression Program.

\* The APC is significantly different from zero (p<.05).

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>									
YEAR OF DIAGNOSIS:									
1973	46.4	53.2	41.6	46.9	54.2	41.8	42.4	42.8	41.8
1974	47.7	56.2	41.6	48.4	57.4	42.0	41.4	47.0	37.5
1975	47.4	54.1	42.7	47.9	55.1	42.9	45.4	47.6	43.5
1976	49.1	57.2	43.1	49.6	57.8	43.8	44.6	49.2	40.5
1977	49.5	58.0	43.5	50.1	58.7	44.0	48.0	58.3	41.3
1978	49.4	57.2	43.9	50.0	58.4	44.1	49.4	51.3	48.5
1979	49.4	58.3	43.0	49.7	59.0	43.2	46.8	50.0	44.5
1980	50.5	58.8	44.6	50.6	58.8	44.8	55.8	63.8	49.7
1981	50.9	59.9	44.5	51.4	60.5	45.0	50.4	58.2	45.0
1982	49.7	59.3	42.9	50.2	60.1	43.3	49.1	55.4	44.5
1983	50.4	59.9	43.6	50.8	60.6	43.9	54.0	61.1	49.2
1984	51.5	61.6	44.2	52.3	62.9	44.6	49.9	54.8	47.1
1985	52.8	63.0	45.4	53.4	63.5	46.0	52.1	60.9	45.6
1986	51.2	61.9	43.2	51.3	62.5	43.1	53.0	59.9	48.0
1987	49.8	61.2	41.5	49.7	61.5	41.3	53.4	61.3	48.1
1988	48.6	59.6	40.6	48.6	59.9	40.3	51.0	58.4	45.9
1989	48.9	59.4	41.1	48.9	59.4	41.2	52.9	64.5	45.0
1990	48.3	59.0	40.4	48.2	59.1	40.2	53.6	59.5	49.7
1991	47.3	58.0	39.3	47.1	58.1	38.9	53.0	62.2	46.3
1992	46.3	56.1	39.0	46.2	56.3	38.5	52.4	62.0	46.1
1993	45.3	54.5	38.1	44.9	54.2	37.7	52.2	62.8	44.7
1994	44.3	53.1	37.6	44.0	52.9	37.0	52.2	60.0	46.9
1995	43.1	50.5	37.3	42.7	50.1	37.0	49.5	55.5	45.3
1996	43.5	52.0	36.7	43.1	51.8	36.1	47.1	52.7	42.8
1997	44.5	53.5	37.6	44.2	52.9	37.4	52.2	61.2	45.8
1998	44.1	51.7	38.2	43.6	51.3	37.6	48.4	54.9	43.8
<u>AGE-ADJUSTED RATES, 1994-98</u>									
AGE AT DIAGNOSIS:									
All ages	43.9	52.2	37.5	43.5	51.8	37.0	49.9	56.9	44.9
Under 65	17.2	20.0	14.6	16.5	19.2	13.9	22.4	25.6	19.8
65 and over	287.5	345.3	246.3	289.9	349.3	247.6	300.7	341.9	273.9
All ages (world std.)λ	33.2	39.4	28.2	32.8	38.9	27.8	38.5	43.7	34.6
<u>AGE-SPECIFIC RATES, 1994-98</u>									
AGE AT DIAGNOSIS:									
0-4	-	-	-	-	-	-	-	-	-
5-9	-	-	-	-	-	-	-	-	-
10-14	-	-	-	-	-	-	-	-	-
15-19	-	-	-	-	-	-	-	-	-
20-24	0.7	0.7	0.7	0.5	-	-	-	-	-
25-29	1.8	1.7	1.8	1.6	1.5	1.7	-	-	-
30-34	3.7	4.0	3.4	3.3	3.5	3.0	4.9	-	5.8
35-39	6.4	7.1	5.8	6.0	6.6	5.4	7.2	8.0	6.5
40-44	12.7	13.7	11.6	11.9	12.8	10.9	16.6	18.4	15.1
45-49	24.4	26.5	22.5	22.3	24.5	20.1	35.2	36.5	34.0
50-54	48.3	55.7	41.2	44.5	51.5	37.5	71.0	80.2	63.1
55-59	84.7	98.9	71.4	82.8	97.7	68.5	109.1	120.9	99.6
60-64	135.6	163.9	109.9	133.9	159.1	110.4	164.4	203.7	133.8
65-69	193.8	239.5	155.3	194.2	240.8	154.2	204.9	224.3	189.7
70-74	267.0	318.6	226.8	267.9	319.9	227.1	298.9	343.8	267.0
75-79	338.2	406.3	290.3	341.6	411.7	292.5	360.0	411.3	326.2
80-84	430.4	512.6	382.2	433.7	519.7	384.1	444.4	523.0	401.4
85+	450.9	523.1	420.9	463.6	541.7	432.5	383.5	429.9	362.7

§ SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, unless noted.

λ SEER Program. Rates are per 100,000 and are age-adjusted to the world standard population.

- Statistic not shown. Rate based on less than 25 cases for the time interval.

Table VI-4  
COLON 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>									
YEAR OF DIAGNOSIS:									
1973	31.7	34.3	30.2	32.0	34.8	30.3	30.9	31.7	30.0
1974	33.0	37.0	30.2	33.4	37.7	30.5	30.0	34.6	26.7
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	34.4	36.0	32.7
1977	34.6	38.8	31.8	35.1	39.2	32.3	35.5	44.0	30.0
1978	34.6	38.4	32.1	34.8	39.0	32.0	37.9	37.9	38.3
1979	34.3	39.1	31.0	34.5	39.6	31.0	35.3	36.4	34.6
1980	35.6	39.4	33.0	35.6	39.5	33.0	43.2	46.1	41.1
1981	35.7	40.1	32.6	35.9	40.4	32.9	37.7	40.7	35.8
1982	35.8	41.7	31.7	36.0	42.1	31.8	38.3	42.0	35.6
1983	36.0	41.3	32.4	36.2	41.6	32.5	40.3	46.4	36.5
1984	36.5	42.5	32.3	36.8	43.3	32.4	38.8	41.8	37.3
1985	37.7	43.2	33.7	37.9	43.4	34.1	40.7	47.1	35.8
1986	36.8	42.7	32.5	36.8	43.1	32.3	40.2	44.6	37.3
1987	35.4	42.4	30.5	35.2	42.3	30.3	41.2	47.6	36.8
1988	34.7	41.2	30.0	34.5	41.3	29.6	39.2	43.3	36.4
1989	34.6	40.9	30.2	34.6	40.6	30.3	40.1	48.8	34.3
1990	34.6	40.6	30.3	34.4	40.4	30.1	41.8	46.3	38.9
1991	34.2	40.7	29.5	33.9	40.6	29.0	41.4	46.4	37.8
1992	33.2	38.9	29.1	33.0	39.0	28.7	40.2	46.7	36.1
1993	32.7	38.4	28.4	32.2	38.1	27.9	41.2	47.8	36.6
1994	32.1	37.1	28.2	31.8	37.0	27.7	40.1	44.7	37.2
1995	31.2	35.1	28.2	30.8	34.7	27.8	38.7	42.1	36.6
1996	30.8	35.5	27.0	30.4	35.5	26.4	35.5	37.9	33.7
1997	32.0	37.4	27.9	31.7	36.9	27.8	39.5	46.5	34.3
1998	31.2	35.2	28.2	30.8	35.1	27.6	36.1	39.1	34.3
<u>AGE-ADJUSTED RATES, 1994-98</u>									
AGE AT DIAGNOSIS:									
All ages	31.4	36.0	27.9	31.1	35.9	27.5	38.0	42.1	35.2
Under 65	11.3	12.6	10.0	10.8	12.1	9.5	15.9	17.5	14.7
65 and over	215.6	250.2	191.1	217.0	252.9	191.5	239.3	266.0	222.4
All ages (world std.) <sup>λ</sup>	23.4	26.8	20.8	23.1	26.5	20.3	29.0	31.9	26.9
<u>AGE-SPECIFIC RATES, 1994-98</u>									
AGE AT DIAGNOSIS:									
0-4	-	-	-	-	-	-	-	-	-
5-9	-	-	-	-	-	-	-	-	-
10-14	-	-	-	-	-	-	-	-	-
15-19	-	-	-	-	-	-	-	-	-
20-24	0.4	-	-	-	-	-	-	-	-
25-29	1.1	1.1	1.2	1.0	1.0	1.0	-	-	-
30-34	2.2	2.4	2.0	2.0	2.3	1.6	3.2	-	4.0
35-39	4.1	4.4	3.8	3.8	4.1	3.5	4.9	4.5	5.2
40-44	7.9	8.5	7.3	7.2	7.8	6.6	12.0	13.3	11.0
45-49	14.8	14.7	14.9	13.6	14.0	13.2	22.5	20.6	24.1
50-54	30.7	33.6	27.9	27.9	30.8	25.0	50.5	55.9	45.9
55-59	55.4	62.3	49.0	54.1	61.5	46.9	76.6	81.6	72.6
60-64	92.8	107.9	79.1	90.9	104.2	78.6	122.6	147.4	103.3
65-69	136.1	162.8	113.6	135.5	163.2	111.7	158.3	167.7	150.9
70-74	196.6	224.9	174.6	196.6	225.6	173.9	235.7	260.0	218.4
75-79	257.8	301.1	227.3	259.9	304.7	228.6	285.8	317.2	265.1
80-84	335.9	389.7	304.4	339.2	395.2	306.8	363.0	433.2	324.6
85+	363.0	405.3	345.4	373.7	419.9	355.4	321.6	360.2	304.3

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

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

- Statistic not shown. Rate based on less than 25 cases for the time interval.

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>									
YEAR OF DIAGNOSIS:									
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	19.7	11.4	11.4	12.4	10.7
1975	14.8	18.6	11.9	15.0	19.1	12.0	11.8	12.9	10.8
1976	15.0	19.5	11.5	15.2	19.9	11.8	10.2	13.1	7.8
1977	14.9	19.3	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	19.5	12.2	11.4	13.6	9.9
1980	14.9	19.4	11.5	15.0	19.4	11.8	12.6	17.7	8.6
1981	15.3	19.8	11.9	15.5	20.1	12.1	12.7	17.5	9.3
1982	13.9	17.6	11.2	14.2	18.0	11.5	10.7	13.4	8.9
1983	14.4	18.6	11.2	14.6	18.9	11.4	13.7	14.8	12.8
1984	15.0	19.1	11.9	15.5	19.6	12.2	11.1	13.0	9.8
1985	15.1	19.8	11.7	15.4	20.1	12.0	11.4	13.8	9.8
1986	14.4	19.2	10.8	14.5	19.3	10.8	12.8	15.4	10.7
1987	14.3	18.8	11.0	14.5	19.2	11.0	12.2	13.7	11.3
1988	13.9	18.4	10.6	14.1	18.6	10.7	11.8	15.0	9.5
1989	14.2	18.5	10.9	14.3	18.8	10.9	12.8	15.7	10.7
1990	13.6	18.4	10.1	13.8	18.7	10.1	11.8	13.2	10.8
1991	13.1	17.4	9.8	13.2	17.4	9.9	11.6	15.8	8.5
1992	13.1	17.2	9.9	13.1	17.3	9.8	12.2	15.2	10.0
1993	12.5	16.2	9.7	12.6	16.2	9.8	11.0	15.0	8.1
1994	12.3	16.0	9.3	12.2	15.9	9.2	12.0	15.4	9.7
1995	11.9	15.4	9.1	11.9	15.4	9.1	10.8	13.4	8.7
1996	12.7	16.5	9.7	12.6	16.3	9.7	11.6	14.8	9.1
1997	12.6	16.1	9.7	12.5	16.0	9.6	12.7	14.7	11.4
1998	12.9	16.5	10.0	12.8	16.3	10.0	12.3	15.9	9.5
<u>AGE-ADJUSTED RATES, 1994-98</u>									
AGE AT DIAGNOSIS:									
All ages	12.5	16.1	9.6	12.4	16.0	9.5	11.9	14.8	9.7
Under 65	6.0	7.5	4.5	5.8	7.1	4.5	6.5	8.1	5.1
65 and over	71.9	95.1	55.3	72.9	96.4	56.1	61.5	75.9	51.5
All ages (world std.) <sup>λ</sup>	9.8	12.6	7.5	9.7	12.4	7.5	9.5	11.9	7.7
<u>AGE-SPECIFIC RATES, 1994-98</u>									
AGE AT DIAGNOSIS:									
0-4	-	-	-	-	-	-	-	-	-
5-9	-	-	-	-	-	-	-	-	-
10-14	-	-	-	-	-	-	-	-	-
15-19	-	-	-	-	-	-	-	-	-
20-24	-	-	-	-	-	-	-	-	-
25-29	0.7	0.7	0.6	0.6	-	-	-	-	-
30-34	1.5	1.5	1.4	1.3	1.2	1.4	-	-	-
35-39	2.4	2.7	2.0	2.2	2.5	2.0	2.3	-	-
40-44	4.8	5.3	4.4	4.6	5.1	4.2	4.6	5.1	4.1
45-49	9.6	11.7	7.6	8.8	10.6	6.9	12.7	15.9	9.9
50-54	17.6	22.1	13.3	16.6	20.6	12.6	20.4	24.2	17.2
55-59	29.3	36.6	22.4	28.8	36.2	21.6	32.5	39.3	26.9
60-64	42.8	56.0	30.9	42.9	54.9	31.8	41.8	56.4	30.5
65-69	57.6	76.6	41.6	58.7	77.6	42.5	46.6	56.5	38.8
70-74	70.4	93.7	52.2	71.3	94.4	53.3	63.2	83.8	48.5
75-79	80.4	105.1	63.0	81.7	107.0	63.9	74.2	94.1	61.1
80-84	94.5	123.0	77.8	94.6	124.5	77.3	81.4	89.9	76.8
85+	87.9	117.8	75.5	89.8	121.8	77.2	61.9	-	58.4

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

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

- Statistic not shown. Rate based on less than 25 cases for the time interval.

Table VI-6  
COLON AND RECTUM CANCER (Invasive)

U.S. MORTALITY 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>									
YEAR OF DEATH:									
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	15.3	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	21.2	14.2	22.8	27.8	19.4
1995	17.3	21.1	14.5	16.9	20.7	14.1	23.2	28.0	20.0
1996	16.8	20.4	14.0	16.3	20.0	13.6	22.4	26.8	19.5
1997	16.4	20.1	13.7	16.0	19.6	13.3	22.5	27.2	19.2
1998	16.3	19.6	13.7	15.8	19.2	13.2	22.2	26.2	19.4
<u>AGE-ADJUSTED RATES, 1994-98</u>									
AGE AT DEATH:									
All ages	16.9	20.5	14.1	16.4	20.1	13.7	22.6	27.2	19.5
Under 65	5.6	6.7	4.6	5.4	6.4	4.4	8.6	10.4	7.2
65 and over	119.2	146.6	100.4	117.6	145.4	98.4	150.4	180.2	131.6
All ages (world std.) <sup>¶</sup>	12.4	15.1	10.3	12.1	14.8	10.0	17.0	20.4	14.5
<u>AGE-SPECIFIC RATES, 1994-98</u>									
AGE AT DEATH:									
0-4	-	-	-	-	-	-	-	-	-
5-9	-	-	-	-	-	-	-	-	-
10-14	-	-	-	-	-	-	-	-	-
15-19	0.1	0.1	0.1	0.1	0.1	-	-	-	-
20-24	0.2	0.3	0.1	0.2	0.2	0.1	0.2	-	-
25-29	0.5	0.5	0.4	0.4	0.4	0.4	0.7	1.0	0.5
30-34	1.0	1.1	0.9	0.9	0.9	0.8	1.8	2.3	1.3
35-39	1.9	2.0	1.7	1.7	1.8	1.5	3.3	3.5	3.2
40-44	3.9	4.2	3.6	3.6	3.8	3.3	6.5	7.2	5.8
45-49	8.1	9.0	7.1	7.4	8.4	6.5	13.7	15.5	12.2
50-54	15.4	18.2	12.8	14.5	17.2	11.9	25.3	30.0	21.5
55-59	27.8	33.1	22.9	26.6	31.7	21.9	41.7	51.5	34.1
60-64	46.0	57.0	36.1	44.5	55.3	34.6	65.5	81.4	53.5
65-69	69.1	87.5	53.7	67.7	86.4	51.9	90.0	108.6	76.1
70-74	99.3	124.5	80.0	97.1	122.0	77.6	137.5	170.4	115.0
75-79	133.8	164.4	112.4	132.2	163.1	110.6	167.0	200.7	146.0
80-84	190.4	233.6	165.6	188.3	232.5	162.8	236.8	281.8	213.6
85+	278.6	323.8	260.5	279.1	326.8	260.1	303.5	341.5	287.8

<sup>§</sup> NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, unless noted.  
<sup>¶</sup> NCHS public use tape. Rates are per 100,000 and are age-adjusted to the world standard population.  
 - Statistic not shown. Rate based on less than 25 cases for the time interval.

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>	49.8	48.9	50.6	50.1	49.2	50.8	45.1	41.9	47.8
1977-79 <sup>b</sup>	51.9	50.7	53.1	52.3	51.2	53.2	45.8	43.7	47.5
1980-82 <sup>b</sup>	54.4	53.9	54.9	54.9	54.5	55.2	46.6	43.6	49.1
1983-85 <sup>b</sup>	56.9	56.8	56.9	57.7	57.7	57.6	48.0	47.0	48.8
1986-88 <sup>b</sup>	60.2	60.4	59.9	60.8	61.2	60.3	52.5	50.9	53.8
1989-91 <sup>b</sup>	61.7	61.9	61.6	62.3	62.6	62.0	53.8	54.2	53.6
1992-97 <sup>b</sup>	61.1 $\Omega$	61.4 $\Omega$	60.8 $\Omega$	62.0 $\Omega$	62.3 $\Omega$	61.6 $\Omega$	51.5 $\Omega$	51.2 $\Omega$	51.7 $\Omega$
1992-97 <sup>b</sup>									
ALL STAGES	61.1	61.4	60.8	62.0	62.3	61.6	51.5	51.2	51.7
LOCALIZED	89.7	90.1	89.4	90.6	91.1	90.0	82.7	81.3	83.7
REGIONAL	64.4	64.2	64.7	65.3	64.9	65.6	56.2	57.2	55.4
DISTANT	8.3	8.1	8.6	8.5	8.4	8.7	7.1	4.9	9.1
UNSTAGED	34.9	40.5	29.5	35.5	41.3	29.6	33.6	40.4 $\uparrow$	28.2
<u>STAGE DISTRIBUTION (%) 1992-97<sup>b</sup></u>									
ALL STAGES									
Number of cases	61,487	31,104	30,383	51,559	26,082	25,477	5,450	2,552	2,898
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	37	38	36	37	38	36	33	33	33
REGIONAL	38	37	39	38	37	39	36	35	36
DISTANT	20	20	19	20	20	19	24	24	24
UNSTAGED	6	5	6	6	5	6	7	7	8
<u>5-YR RELATIVE SURVIVAL RATES, 1992-97<sup>b</sup></u>									
AGE AT DIAGNOSIS:									
<45	59.1	57.7	60.8	60.0	58.6	61.8	52.6	51.1	53.8
45-54	62.9	61.4	64.9	63.7	61.8	66.2	57.7	56.3	59.1
55-64	62.4	63.0	61.7	63.6	64.0	63.0	52.3	53.2	51.3
65-74	62.9	63.0	62.9	63.7	63.8	63.7	52.5	51.2	54.0
75+	58.1	58.9	57.6	59.0	59.8	58.4	45.1	45.7	44.9
Under 65	62.0	61.7	62.4	63.1	62.7	63.7	54.0	53.8	54.2
65 and over	60.7	61.4	60.1	61.5	62.3	60.8	49.4	49.2	49.7

<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 1997.  
 $\Omega$  The difference in rates between 1974-76 and 1992-97 is statistically significant ( $p < .05$ ).  
 $\uparrow$  The standard error of the survival rate is between 5 and 10 percentage points.  
 $\uparrow$  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>	50.4	49.6	51.1	50.6	49.9	51.2	46.2	44.7	47.3
1977-79 <sup>b</sup>	52.9	51.7	53.8	53.0	52.0	53.9	48.2	45.8	50.1
1980-82 <sup>b</sup>	55.4	55.6	55.2	55.7	56.0	55.4	49.2	46.7	51.1
1983-85 <sup>b</sup>	57.7	58.1	57.3	58.4	58.9	58.0	49.4	48.3	50.2
1986-88 <sup>b</sup>	60.9	61.6	60.1	61.5	62.4	60.7	52.8	52.5	53.1
1989-91 <sup>b</sup>	62.5	63.0	62.0	63.1	63.7	62.5	53.7	53.8	53.7
1992-97 <sup>b</sup>	61.2 $\Omega$	61.9 $\Omega$	60.5 $\Omega$	62.1 $\Omega$	62.9 $\Omega$	61.5 $\Omega$	51.3 $\Omega$	51.4 $\Omega$	51.2 $\Omega$
1992-97 <sup>b</sup>									
ALL STAGES	61.2	61.9	60.5	62.1	62.9	61.5	51.3	51.4	51.2
LOCALIZED	91.3	92.4	90.2	92.0	93.4	90.6	84.6	83.7	85.2
REGIONAL	67.1	67.5	66.7	68.0	68.0	67.9	58.1	60.4	56.4
DISTANT	8.5	8.2	8.9	8.7	8.5	9.0	7.0	5.2	8.5
UNSTAGED	31.8	38.4	26.1	32.7	39.9	26.3	31.2	35.1 $\uparrow$	28.1 $\uparrow$
<u>STAGE DISTRIBUTION (%) 1992-97<sup>b</sup></u>									
ALL STAGES									
Number of cases	44,072	21,275	22,797	36,942	17,861	19,081	4,144	1,865	2,279
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	35	36	34	35	37	34	31	31	31
REGIONAL	39	37	40	39	37	40	37	36	37
DISTANT	21	22	21	21	22	21	26	26	25
UNSTAGED	5	5	6	5	5	5	7	7	7
<u>5-YR RELATIVE SURVIVAL RATES, 1992-97<sup>b</sup></u>									
AGE AT DIAGNOSIS:									
<45	56.6	56.5	56.8	56.9	56.1	58.0	51.2	54.9 $\uparrow$	48.1
45-54	61.4	59.8	63.3	62.2	59.6	65.7	56.3	56.6	55.9
55-64	61.5	62.6	60.2	62.8	64.0	61.5	50.0	49.2	50.6
65-74	63.2	64.1	62.3	64.0	64.9	63.0	53.6	53.2	54.3
75+	59.8	60.9	59.1	60.7	62.0	59.9	47.1	47.3	47.1
Under 65	60.7	60.9	60.5	61.8	61.7	62.0	52.1	52.5	51.7
65 and over	61.6	62.8	60.6	62.4	63.8	61.3	50.8	51.1	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 1997.

$\Omega$  The difference in rates between 1974-76 and 1992-97 is statistically significant ( $p < .05$ ).

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

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

- 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
<u>5-YR RELATIVE SURVIVAL RATES</u>									
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>	48.5	47.7	49.5	48.9	48.1	49.8	42.0	34.7	49.3
1977-79 <sup>b</sup>	49.9	48.8	51.1	50.7	49.8	51.6	39.0	38.4	39.5
1980-82 <sup>b</sup>	52.1	50.5	54.0	53.0	51.7	54.6	38.4	36.1	41.3
1983-85 <sup>b</sup>	55.0	54.4	55.8	55.9	55.2	56.7	43.7	43.1	44.2
1986-88 <sup>b</sup>	58.5	57.9	59.3	59.1	58.8	59.5	51.4	46.6	56.2
1989-91 <sup>b</sup>	60.0	59.7	60.4	60.5	60.3	60.7	54.1	55.3	53.0
1992-97 <sup>b</sup>	60.8 $\Omega$	60.2 $\Omega$	61.5 $\Omega$	61.5 $\Omega$	61.0 $\Omega$	62.1 $\Omega$	51.9 $\Omega$	50.7 $\Omega$	53.4
1992-97 <sup>b</sup>									
ALL STAGES	60.8	60.2	61.5	61.5	61.0	62.1	51.9	50.7	53.4
LOCALIZED	86.7	86.0	87.6	87.7	86.9	88.7	77.9	76.4 $\uparrow$	79.4
REGIONAL	57.4	57.2	57.6	58.2	58.3	58.0	49.4	48.3	50.9 $\uparrow$
DISTANT	7.7	7.8	7.6	7.8	8.1	7.3	7.5	3.2	12.1
UNSTAGED	39.4	42.9	35.5	39.5	42.7	35.7	38.3 $\uparrow$	49.8 $\uparrow$	28.5 $\uparrow$
<u>STAGE DISTRIBUTION (%) 1992-97<sup>b</sup></u>									
ALL STAGES									
Number of cases	17,415	9,829	7,586	14,617	8,221	6,396	1,306	687	619
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	43	42	44	43	42	44	40	38	41
REGIONAL	35	35	34	35	36	34	32	34	31
DISTANT	16	16	15	15	16	15	18	20	17
UNSTAGED	7	7	8	7	7	8	10	9	12
<u>5-YR RELATIVE SURVIVAL RATES, 1992-97<sup>b</sup></u>									
AGE AT DIAGNOSIS:									
<45	63.5	59.7	68.4	65.4	62.8	68.6	55.9 $\uparrow$	43.9 $\uparrow$	70.3 $\uparrow$
45-54	65.4	63.7	68.0	66.1	65.2	67.3	60.9	55.9 $\uparrow$	66.5 $\uparrow$
55-64	64.3	63.6	65.4	65.1	64.2	66.8	59.0	63.8 $\uparrow$	53.2 $\uparrow$
65-74	62.3	60.6	64.8	63.1	61.4	65.6	48.4	45.1 $\uparrow$	53.3 $\uparrow$
75+	52.2	53.0	51.6	53.1	53.4	52.9	36.6 $\uparrow$	40.3 $\uparrow$	33.8 $\uparrow$
Under 65	64.4	63.0	66.7	65.4	64.2	67.2	59.1	56.8	61.9
65 and over	58.2	58.1	58.4	59.0	58.8	59.3	43.5	43.3	44.1

<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 1997.

$\Omega$   
 $\uparrow$   
 $\uparrow$   
-

The difference in rates between 1974-76 and 1992-97 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	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Incidence																				
SEER	47.4	50.5	50.9	49.7	50.4	51.5	52.8	51.2	49.8	48.6	48.9	48.3	47.3	46.3	45.3	44.3	43.1	43.5	44.5	44.1
Mortality																				
U.S.	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	17.3	16.8	16.4	16.3
SEER	22.0	21.1	20.6	20.7	19.6	20.3	20.8	19.2	19.0	18.4	18.7	17.8	17.3	16.9	16.8	16.9	16.1	15.7	15.6	15.2
Relative Survival Rates (SEER)																				
1-year	73.4	75.7	78.6	78.4	78.3	79.3	80.0	81.3	80.8	80.3	81.3	81.8	82.5	81.7	80.9	81.7	80.2	81.9	80.9	
2-year	61.7	65.5	68.7	68.1	67.9	69.1	71.0	72.0	71.8	71.8	72.4	73.4	73.9	73.3	72.7	73.0	72.1	74.0		
3-year	56.0	58.7	62.2	62.2	61.8	62.7	65.1	66.5	66.2	66.4	67.6	68.4	68.4	67.7	67.7	68.1	66.5			
4-year	52.0	55.0	57.8	58.3	57.8	58.9	61.3	62.7	62.2	62.9	63.6	64.1	64.8	64.2	63.8	64.0				
5-year	49.4	52.4	55.6	55.2	55.6	55.9	59.0	60.3	59.8	60.3	60.8	61.8	62.5	62.0	61.1					
6-year	47.5	50.7	53.6	53.3	53.5	54.2	57.2	58.2	58.1	58.7	59.5	60.5	60.6	60.5						
7-year	46.5	49.4	51.9	51.9	52.0	52.7	55.9	56.7	56.4	57.3	58.1	59.0	59.1							
8-year	45.7	48.3	51.1	50.8	50.8	52.2	55.1	55.5	55.7	56.4	56.9	57.6								
9-year	45.4	47.6	50.3	50.3	50.0	51.3	54.1	54.9	55.0	55.6	56.1									
10-year	44.6	47.1	49.7	50.0	49.2	50.2	53.4	54.5	54.3	54.8										
11-year	44.4	46.5	49.5	49.5	48.2	49.7	53.0	54.3	54.2											
12-year	44.1	46.3	49.4	48.9	48.0	49.0	52.7	54.3												
13-year	43.8	46.3	49.2	48.9	47.2	48.9	52.3													
14-year	43.3	45.9	48.9	48.6	46.5	48.5														
15-year	42.5	45.9	48.5	48.5	46.0															
16-year	41.8	45.7	47.8	47.1																
17-year	41.4	45.4	47.6																	
18-year	41.1	44.9																		
19-year	41.1																			
20-year	40.9																			
21-year	40.7																			
22-year	40.3																			
23-year	39.5																			

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	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Incidence																				
SEER	54.1	58.8	59.9	59.3	59.9	61.6	63.0	61.9	61.2	59.6	59.4	59.0	58.0	56.1	54.5	53.1	50.5	52.0	53.5	51.7
Mortality																				
U.S.	25.3	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	21.1	20.4	20.1	19.6
SEER	25.8	24.9	24.1	24.8	23.8	24.3	25.8	23.1	22.6	22.6	22.9	21.7	21.3	21.2	20.0	21.1	19.4	18.7	19.1	18.2
Relative Survival Rates (SEER)																				
1-year	73.0	76.5	79.8	79.5	79.5	79.4	81.3	82.4	81.7	81.1	82.0	83.0	83.3	82.8	81.7	82.8	81.7	83.4	82.0	
2-year	62.2	66.2	69.3	68.5	69.0	68.6	72.4	73.1	73.0	73.3	73.3	74.2	74.9	74.2	73.3	73.9	73.3	75.7		
3-year	56.0	59.4	62.5	62.7	62.6	61.5	66.5	67.2	67.1	67.4	68.4	69.5	69.2	68.4	68.3	69.3	67.6			
4-year	51.9	55.2	57.9	58.0	58.5	57.4	62.3	63.4	62.5	62.7	64.2	64.9	65.0	64.4	64.0	64.4				
5-year	48.8	52.1	55.0	54.5	56.2	54.6	59.5	60.7	60.0	60.4	61.4	62.0	62.3	62.0	61.1					
6-year	46.5	50.3	52.6	52.6	53.8	52.5	57.6	58.2	58.6	58.6	59.8	60.5	59.8	60.5						
7-year	45.1	48.9	50.5	51.2	52.1	51.0	55.8	57.0	56.7	57.3	58.5	58.7	57.9							
8-year	44.2	47.7	50.1	50.0	50.2	50.2	55.2	56.1	55.9	56.3	57.8	57.4								
9-year	44.0	46.7	49.6	49.6	49.2	49.0	54.2	55.3	55.2	55.5	56.7									
10-year	43.0	46.5	48.8	49.1	48.3	48.1	53.6	55.3	54.8	55.1										
11-year	43.0	46.1	48.1	48.5	47.4	47.5	53.3	55.1	54.6											
12-year	42.6	45.7	47.9	47.9	47.2	47.2	53.1	54.9												
13-year	42.6	45.7	47.9	47.9	46.7	47.0	52.7													
14-year	42.2	45.7	47.4	47.6	45.9	46.6														
15-year	41.9	45.7	47.4	47.4	45.7															
16-year	41.5	45.7	47.2	46.1																
17-year	41.2	45.4	47.0																	
18-year	41.2	44.5																		
19-year	41.0																			
20-year	41.0																			
21-year	40.7																			
22-year	40.3																			
23-year	39.7																			

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	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Incidence																				
SEER	42.7	44.6	44.5	42.9	43.6	44.2	45.4	43.2	41.5	40.6	41.1	40.4	39.3	39.0	38.1	37.6	37.3	36.7	37.6	38.2
Mortality																				
U.S.	19.3	18.6	18.2	18.0	17.7	18.0	17.5	17.0	16.7	16.3	15.9	15.6	15.3	15.0	15.0	14.6	14.5	14.0	13.7	13.7
SEER	19.4	18.5	18.2	18.0	16.8	17.5	17.3	16.4	16.6	15.4	15.8	15.1	14.5	13.9	14.5	13.8	13.5	13.4	13.0	13.0
Relative Survival Rates (SEER)																				
1-year	73.7	74.9	77.5	77.4	77.1	79.1	78.8	80.1	79.8	79.5	80.5	80.6	81.6	80.6	80.1	80.5	78.7	80.5	79.8	
2-year	61.3	64.8	68.3	67.7	66.8	69.6	69.6	70.8	70.6	70.3	71.4	72.5	72.9	72.3	72.0	72.0	70.8	72.1		
3-year	56.0	58.1	61.9	61.8	61.0	63.9	63.6	65.7	65.4	65.4	66.8	67.2	67.6	67.0	67.1	66.9	65.4			
4-year	52.1	54.7	57.7	58.6	57.2	60.4	60.4	62.0	62.0	63.0	63.1	63.3	64.6	63.9	63.5	63.6				
5-year	49.9	52.6	56.1	55.9	55.0	57.2	58.5	59.9	59.7	60.2	60.3	61.6	62.7	62.1	61.0					
6-year	48.5	51.1	54.5	53.9	53.2	55.8	56.9	58.2	57.7	58.8	59.2	60.5	61.4	60.4						
7-year	47.8	49.9	53.1	52.6	51.9	54.3	56.0	56.5	56.1	57.4	57.7	59.3	60.2							
8-year	47.1	48.8	52.0	51.5	51.4	54.0	54.9	55.0	55.6	56.4	56.1	57.9								
9-year	46.6	48.4	50.8	50.9	50.8	53.4	54.0	54.5	54.8	55.8	55.4									
10-year	46.0	47.7	50.5	50.9	50.0	52.1	53.3	53.8	53.9	54.6										
11-year	45.4	46.9	50.5	50.5	49.0	51.8	52.7	53.5	53.9											
12-year	45.4	46.8	50.5	49.8	48.7	50.7	52.4	53.5												
13-year	44.6	46.5	50.4	49.8	47.6	50.7	52.0													
14-year	44.1	46.1	50.2	49.4	47.0	50.2														
15-year	43.0	46.1	49.2	49.4	46.3															
16-year	42.0	45.4	48.3	48.1																
17-year	41.6	45.4	48.1																	
18-year	41.0	45.2																		
19-year	41.0																			
20-year	40.8																			
21-year	40.7																			
22-year	40.3																			
23-year	39.5																			

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 (11 SEER Areas) With Cancer and  
 Lifetime Risk (Percent) of Dying (Total U.S.) From Cancer

1996-1998

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	5.95	0.00	0.00	0.01	5.63	
10	0.00	0.01	0.07	6.00	0.00	0.01	0.06	5.67	
20	0.01	0.07	0.25	6.04	0.01	0.06	0.22	5.69	
30	0.05	0.24	0.91	6.11	0.05	0.21	0.73	5.70	
40	0.19	0.87	2.39	6.18	0.17	0.69	1.78	5.71	
50	0.71	2.29	4.38	6.22	0.53	1.65	3.40	5.66	
60	1.72	3.99	5.64	5.99	1.17	3.02	4.83	5.40	
Lifetime Risk of Being Diagnosed =				5.95%	Lifetime Risk of Being Diagnosed =				5.63%
Lifetime Risk of Dying =				2.43%	Lifetime Risk of Dying =				2.40%

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	6.00	0.00	0.00	0.01	5.64	
10	0.00	0.01	0.06	6.05	0.00	0.01	0.05	5.68	
20	0.01	0.06	0.23	6.08	0.01	0.05	0.21	5.69	
30	0.05	0.22	0.87	6.15	0.04	0.20	0.68	5.70	
40	0.18	0.84	2.35	6.21	0.15	0.65	1.73	5.70	
50	0.68	2.25	4.37	6.24	0.50	1.61	3.38	5.65	
60	1.69	3.99	5.67	6.01	1.16	3.02	4.85	5.41	
Lifetime Risk of Being Diagnosed =				6.00%	Lifetime Risk of Being Diagnosed =				5.64%
Lifetime Risk of Dying =				2.45%	Lifetime Risk of Dying =				2.38%

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	4.73	0.00	0.00	0.02	5.31	
10	0.00	0.02	0.07	4.83	0.00	0.01	0.07	5.40	
20	0.01	0.07	0.31	4.88	0.01	0.07	0.28	5.42	
30	0.06	0.30	1.06	5.01	0.05	0.27	0.97	5.45	
40	0.26	1.05	2.53	5.15	0.22	0.94	2.19	5.50	
50	0.86	2.47	4.12	5.32	0.75	2.06	3.82	5.52	
60	1.91	3.85	4.99	5.27	1.44	3.38	4.77	5.25	
Lifetime Risk of Being Diagnosed =				4.73%	Lifetime Risk of Being Diagnosed =				5.31%
Lifetime Risk of Dying =				2.34%	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>x</sup>

RACE/ETHNICITY	Rate 1992-1998 Rate per 100,000 persons			Trend 1992-1998 EAPC (%)		
	Total	Males	Females	Total	Males	Females
All Races	43.3	51.8	36.8	-0.6	-1.0	-0.3
White	42.9	51.4	36.3	-0.8	-1.3*	-0.4
White Hispanic	30.0	37.4	24.4	-0.2	0.4	-1.2
White Non-Hispanic	44.1	52.7	37.4	-0.8	-1.4*	-0.2
Black	50.1	57.7	44.7	-0.6	-1.1	-0.3
Asian/Pacific Islander	38.2	47.3	31.0	0.1	0.7	-0.4
Amer Ind/Alask Nat	28.6	33.5	24.6	1.4	-1.5	4.0
Hispanic <sup>o</sup>	28.4	35.2	23.2	-0.3	0.3	-1.1

Mortality<sup>❖</sup>

RACE/ETHNICITY	Rate 1992-1998 Rate per 100,000 persons			Trend 1992-1998 EAPC (%)		
	Total	Males	Females	Total	Males	Females
All Races	17.1	20.9	14.3	-1.8*	-2.1*	-1.7*
White	16.8	20.6	13.9	-2.0*	-2.3*	-1.9*
White Hispanic	10.8	13.8	8.5	-0.6	-0.1	-1.4
White Non-Hispanic	17.0	20.8	14.1	-1.8*	-2.2*	-1.7*
Black	22.8	27.3	19.6	-0.6*	-0.9*	-0.6
Asian/Pacific Islander	10.7	12.9	8.9	-1.7*	-1.8	-1.6
Amer Ind/Alask Nat	10.3	11.9	8.9	4.7*	7.2*	2.4
Hispanic <sup>o</sup>	10.2	13.0	8.0	-0.7	-0.2	-1.6*

- The EAPC is the Estimated Annual Percent Change over the time interval.
- Statistic not shown. Rate based on less than 25 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.
- x Incidence data are from the 11 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, and Los Angeles) and Alaska. Unless specified, other tables use data from 9 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- o Hispanic is not mutually exclusive from whites, blacks, Asian Pacific Islanders, and American Indians/Native Alaskans. 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).
- \* 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<sup>x</sup>

RACE/ETHNICITY	Rate 1992-1998 Rate per 100,000 persons			Trend 1992-1998 EAPC (%)		
	Total	Males	Females	Total	Males	Females
All Races	31.0	35.9	27.3	-0.9	-1.3	-0.5
White	30.7	35.6	26.9	-1.0*	-1.5*	-0.6
White Hispanic	20.2	24.1	17.3	-0.1	1.1	-1.6
White Non-Hispanic	31.6	36.7	27.8	-1.0*	-1.6*	-0.5
Black	38.3	42.5	35.4	-1.0	-1.6	-0.6
Asian/Pacific Islander	25.6	30.3	22.0	0.2	0.3	0.4
Amer Ind/Alask Nat	20.2	23.2	17.8	0.7	-2.4	3.3
Hispanic <sup>⊗</sup>	19.2	22.7	16.5	-0.1	1.0	-1.5

Rectum Incidence<sup>x</sup>

RACE/ETHNICITY	Rate 1992-1998 Rate per 100,000 persons			Trend 1992-1998 EAPC (%)		
	Total	Males	Females	Total	Males	Females
All Races	12.3	16.0	9.4	-0.1	-0.4	0.2
White	12.2	15.8	9.4	-0.2	-0.8	0.3
White Hispanic	9.8	13.3	7.1	-0.4	-0.7	-0.1
White Non-Hispanic	12.4	16.0	9.6	-0.2	-0.8	0.4
Black	11.9	15.2	9.4	0.5	0.2	0.6
Asian/Pacific Islander	12.6	17.1	9.0	-0.2	1.3	-2.2
Amer Ind/Alask Nat	8.4	10.3	6.8	2.8	-	-
Hispanic <sup>⊗</sup>	9.2	12.5	6.7	-0.5	-0.9	-0.2

- The EAPC is the Estimated Annual Percent Change over the time interval.
- Statistic not shown. Rate based on less than 25 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.
- x Incidence data are from the 11 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, and Los Angeles) and Alaska. Unless specified, other tables use data from 9 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- ⊗ Hispanic is not mutually exclusive from whites, blacks, Asian Pacific Islanders, and American Indians/Native Alaskans. 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).
- \* 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§, 1994-98</u>									
REGISTRY									
11 registries	42.8	51.0	36.4	42.3	50.5	35.9	49.7	56.7	44.6
9 registries	43.9	52.2	37.5	43.5	51.8	37.0	49.9	56.9	44.9
San Francisco-Oakland	42.1	50.4	35.6	42.7	50.7	36.3	44.4	53.1	37.5
Connecticut	48.1	57.2	41.3	47.6	56.8	40.7	51.1	60.1	45.3
Metropolitan Detroit	46.2	56.2	38.9	44.8	55.7	36.9	51.7	59.1	46.3
Hawaii	44.0	55.4	34.1	46.1	58.1	34.6	-	-	-
Iowa	50.1	59.1	43.0	50.1	59.2	43.0	-	-	-
New Mexico	34.9	41.2	29.7	35.4	41.8	30.0	-	-	-
Seattle-Puget Sound	41.6	49.3	35.4	41.3	48.9	35.2	49.3	59.3	40.5
Utah	33.7	38.9	29.3	33.9	39.2	29.4	-	-	-
Metropolitan Atlanta	42.2	48.0	38.0	39.1	45.7	34.2	52.3	56.7	49.9
San Jose-Monterey	39.7	47.2	33.7	40.4	48.3	34.2	37.6	51.0	27.5
Los Angeles	40.0	48.1	33.7	38.7	46.6	32.5	49.7	56.5	44.7
<u>SEER MORTALITY RATES§, 1994-98</u>									
REGISTRY									
11 registries	15.5	18.7	13.0	15.2	18.6	12.7	21.6	25.1	19.0
9 registries	15.9	19.3	13.3	15.7	19.2	13.0	22.1	25.5	19.7
San Francisco-Oakland	15.7	19.3	12.9	15.9	19.9	12.9	20.7	24.0	18.2
Connecticut	16.2	19.9	13.4	16.1	19.8	13.3	18.5	22.9	15.3
Metropolitan Detroit	17.4	21.6	14.5	16.3	21.0	13.0	22.4	25.0	20.5
Hawaii	13.2	16.9	10.1	15.6	19.6	11.8	-	-	-
Iowa	17.9	21.4	15.3	17.9	21.3	15.4	-	-	-
New Mexico	14.2	17.5	11.6	14.3	17.7	11.5	-	-	-
Seattle-Puget Sound	14.9	18.0	12.4	14.9	17.9	12.5	22.0	29.8	15.0
Utah	12.7	14.5	11.2	12.6	14.3	11.2	-	-	-
Metropolitan Atlanta	16.0	18.5	14.3	13.8	16.2	12.0	25.1	29.3	22.8
San Jose-Monterey	14.1	16.8	12.0	14.5	17.3	12.3	21.7	30.1	-
Los Angeles	14.3	17.4	12.0	13.9	16.8	11.6	20.4	23.9	17.5

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<sup>d</sup> RATES BY STATE, 1994-98

All Races, Males and Females

State	Rate	SE	Rank	PD
TOTAL U.S.	16.9	0.03		
High Five States				
District of Columbia	20.1 <sup>3/4</sup>	0.76	(01)	18.9
New Jersey	19.4 <sup>3/4</sup>	0.19	(02)	14.8
Maryland	19.2 <sup>3/4</sup>	0.26	(03)	13.6
Pennsylvania	19.0 <sup>3/4</sup>	0.15	(04)	12.4
Delaware	19.0 <sup>1</sup>	0.66	(05)	12.4
Low Five States				
New Mexico	14.2 <sup>3/4</sup>	0.39	(47)	-16.0
Colorado	14.2 <sup>3/4</sup>	0.27	(48)	-16.0
Idaho	14.0 <sup>3/4</sup>	0.46	(49)	-17.2
Hawaii	13.2 <sup>3/4</sup>	0.44	(50)	-21.9
Utah	12.7 <sup>3/4</sup>	0.38	(51)	-24.9

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	15.2 <sup>3/4</sup>	0.24	(42)	-10.1	Montana	14.9 <sup>3/4</sup>	0.51	(43)	-11.8
Alaska	16.6	1.00	(29)	-1.8	Nebraska	17.7	0.41	(19)	4.7
Arizona	14.4 <sup>3/4</sup>	0.23	(46)	-14.8	Nevada	17.6	0.45	(20)	4.1
Arkansas	16.5	0.32	(31)	-2.4	New Hampshire	18.9 <sup>3/4</sup>	0.54	(06)	11.8
California	14.6 <sup>3/4</sup>	0.09	(45)	-13.6	New Jersey	19.4 <sup>3/4</sup>	0.19	(02)	14.8
Colorado	14.2 <sup>3/4</sup>	0.27	(48)	-16.0	New Mexico	14.2 <sup>3/4</sup>	0.39	(47)	-16.0
Connecticut	16.2	0.27	(34)	-4.1	New York	18.4 <sup>3/4</sup>	0.13	(14)	8.9
Delaware	19.0 <sup>1</sup>	0.66	(05)	12.4	North Carolina	16.6	0.19	(30)	-1.8
District of Columbia	20.1 <sup>3/4</sup>	0.76	(01)	18.9	North Dakota	16.9	0.64	(28)	0.0
Florida	15.8 <sup>3/4</sup>	0.12	(37)	-6.5	Ohio	18.5 <sup>3/4</sup>	0.16	(12)	9.5
Georgia	15.3 <sup>3/4</sup>	0.20	(41)	-9.5	Oklahoma	16.0	0.28	(35)	-5.3
Hawaii	13.2 <sup>3/4</sup>	0.44	(50)	-21.9	Oregon	15.3 <sup>3/4</sup>	0.28	(40)	-9.5
Idaho	14.0 <sup>3/4</sup>	0.46	(49)	-17.2	Pennsylvania	19.0 <sup>3/4</sup>	0.15	(04)	12.4
Illinois	18.3 <sup>3/4</sup>	0.16	(15)	8.3	Rhode Island	18.6 <sup>1</sup>	0.53	(09)	10.1
Indiana	18.2 <sup>3/4</sup>	0.23	(16)	7.7	South Carolina	17.0	0.28	(25)	0.6
Iowa	17.9	0.30	(18)	5.9	South Dakota	17.3	0.61	(22)	2.4
Kansas	15.6 <sup>3/4</sup>	0.31	(38)	-7.7	Tennessee	17.3	0.23	(23)	2.4
Kentucky	18.7 <sup>3/4</sup>	0.28	(08)	10.7	Texas	15.9 <sup>3/4</sup>	0.13	(36)	-5.9
Louisiana	18.5 <sup>3/4</sup>	0.28	(13)	9.5	Utah	12.7 <sup>3/4</sup>	0.38	(51)	-24.9
Maine	18.6 <sup>3/4</sup>	0.48	(11)	10.1	Vermont	18.9 <sup>1</sup>	0.74	(07)	11.8
Maryland	19.2 <sup>3/4</sup>	0.26	(03)	13.6	Virginia	17.2	0.22	(24)	1.8
Massachusetts	18.6 <sup>3/4</sup>	0.22	(10)	10.1	Washington	14.9 <sup>3/4</sup>	0.22	(44)	-11.8
Michigan	17.0	0.17	(27)	0.6	West Virginia	18.1	0.37	(17)	7.1
Minnesota	15.5 <sup>3/4</sup>	0.24	(39)	-8.3	Wisconsin	16.4	0.23	(32)	-3.0
Mississippi	16.4	0.32	(33)	-3.0	Wyoming	17.0	0.79	(26)	0.6
Missouri	17.4	0.23	(21)	3.0					

d 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.  
<sup>3/4</sup> 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<sup>d</sup> RATES BY STATE, 1994-98

All Races, Males

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	20.5	0.06							
High Five States									
Rhode Island	24.4 <sup>3/4</sup> '	0.94	(01)	19.0					
District of Columbia	23.9'	1.32	(02)	16.6					
New Jersey	23.9 <sup>3/4</sup> '	0.33	(03)	16.6					
Maryland	23.5 <sup>3/4</sup> '	0.45	(04)	14.6					
Pennsylvania	23.3 <sup>3/4</sup> '	0.26	(05)	13.7					
Low Five States									
Arizona	17.4 <sup>3/4</sup> '	0.38	(47)	-15.1					
Colorado	17.1 <sup>3/4</sup> '	0.45	(48)	-16.6					
Idaho	17.0 <sup>3/4</sup> '	0.75	(49)	-17.1					
Hawaii	16.9 <sup>3/4</sup> '	0.72	(50)	-17.6					
Utah	14.5 <sup>3/4</sup> '	0.61	(51)	-29.3					
Alabama	18.7 <sup>3/4</sup>	0.41	(39)	-8.8	Montana	18.8	0.86	(38)	-8.3
Alaska	18.3'	1.55	(43)	-10.7	Nebraska	22.3	0.70	(12)	8.8
Arizona	17.4 <sup>3/4</sup> '	0.38	(47)	-15.1	Nevada	21.5	0.73	(18)	4.9
Arkansas	19.7	0.53	(33)	-3.9	New Hampshire	21.7	0.88	(16)	5.9
California	17.6 <sup>3/4</sup> '	0.16	(45)	-14.1	New Jersey	23.9 <sup>3/4</sup> '	0.33	(03)	16.6
Colorado	17.1 <sup>3/4</sup> '	0.45	(48)	-16.6	New Mexico	17.5 <sup>3/4</sup> '	0.65	(46)	-14.6
Connecticut	19.9	0.47	(31)	-2.9	New York	22.6 <sup>3/4</sup> '	0.22	(11)	10.2
Delaware	21.6	1.09	(17)	5.4	North Carolina	20.0	0.34	(30)	-2.4
District of Columbia	23.9'	1.32	(02)	16.6	North Dakota	21.5	1.06	(19)	4.9
Florida	19.1 <sup>3/4</sup>	0.20	(37)	-6.8	Ohio	22.8 <sup>3/4</sup> '	0.28	(09)	11.2
Georgia	18.4 <sup>3/4</sup> '	0.35	(42)	-10.2	Oklahoma	19.4	0.47	(34)	-5.4
Hawaii	16.9 <sup>3/4</sup> '	0.72	(50)	-17.6	Oregon	18.5 <sup>3/4</sup>	0.46	(41)	-9.8
Idaho	17.0 <sup>3/4</sup> '	0.75	(49)	-17.1	Pennsylvania	23.3 <sup>3/4</sup> '	0.26	(05)	13.7
Illinois	22.8 <sup>3/4</sup> '	0.28	(10)	11.2	Rhode Island	24.4 <sup>3/4</sup> '	0.94	(01)	19.0
Indiana	21.7	0.38	(15)	5.9	South Carolina	21.3	0.49	(22)	3.9
Iowa	21.4	0.50	(21)	4.4	South Dakota	20.8	1.00	(26)	1.5
Kansas	19.2	0.52	(35)	-6.3	Tennessee	21.2	0.40	(24)	3.4
Kentucky	22.9 <sup>3/4</sup> '	0.48	(08)	11.7	Texas	19.7	0.22	(32)	-3.9
Louisiana	23.1 <sup>3/4</sup> '	0.48	(07)	12.7	Utah	14.5 <sup>3/4</sup> '	0.61	(51)	-29.3
Maine	22.2	0.80	(13)	8.3	Vermont	22.1	1.23	(14)	7.8
Maryland	23.5 <sup>3/4</sup> '	0.45	(04)	14.6	Virginia	20.5	0.37	(27)	0.0
Massachusetts	23.1 <sup>3/4</sup> '	0.38	(06)	12.7	Washington	17.8 <sup>3/4</sup> '	0.36	(44)	-13.2
Michigan	21.2	0.30	(23)	3.4	West Virginia	21.4	0.63	(20)	4.4
Minnesota	19.1 <sup>3/4</sup>	0.40	(36)	-6.8	Wisconsin	20.2	0.38	(29)	-1.5
Mississippi	20.4	0.56	(28)	-0.5	Wyoming	18.5	1.25	(40)	-9.8
Missouri	21.1	0.38	(25)	2.9					

d 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.  
<sup>3/4</sup> 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<sup>d</sup> RATES BY STATE, 1994-98

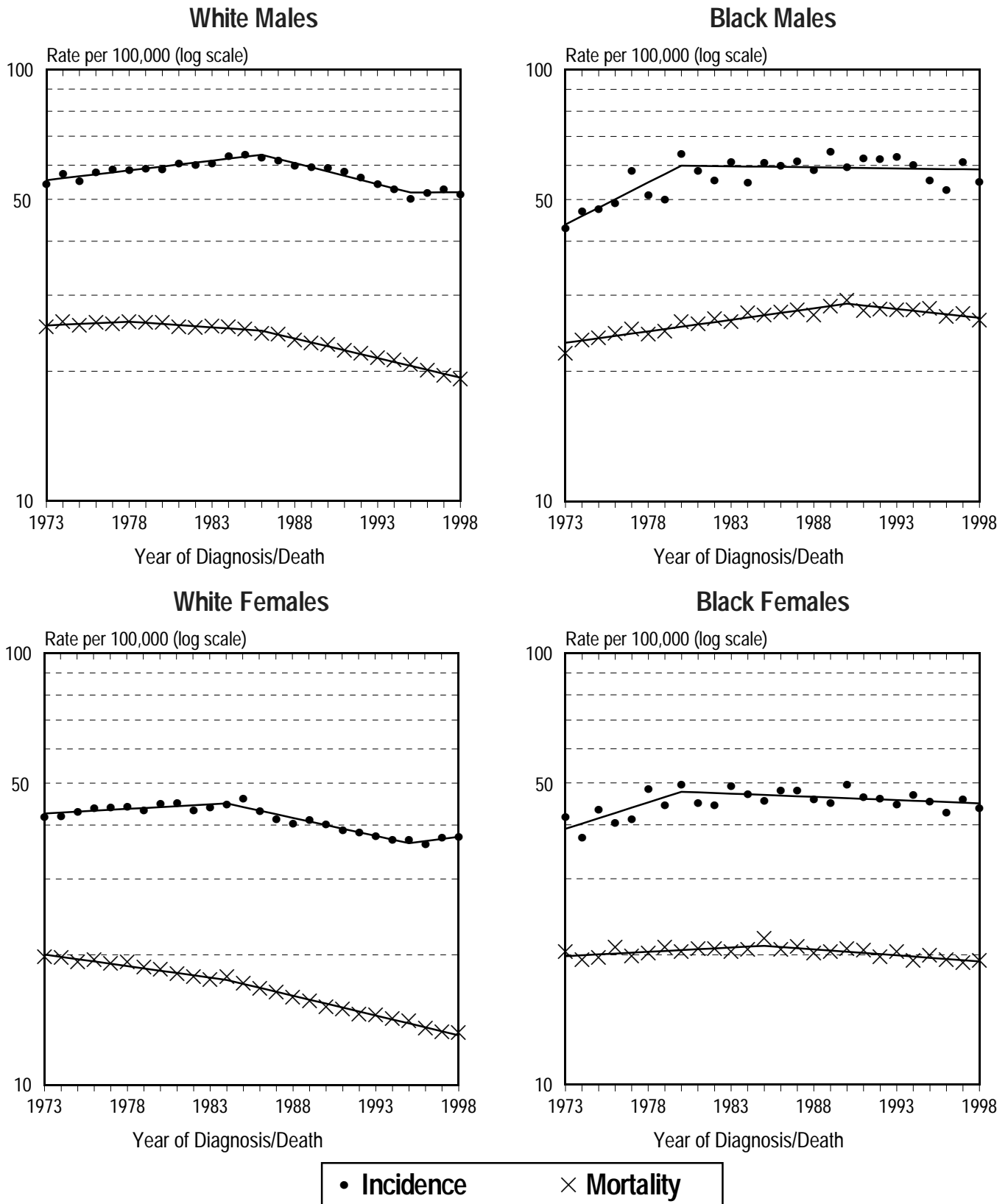
All Races, Females

State	Rate	SE	Rank	PD
TOTAL U.S.	14.1	0.04		
High Five States				
District of Columbia	17.5 <sup>3/4</sup> '	0.93	(01)	24.1
Delaware	16.8 <sup>'</sup>	0.83	(02)	19.1
New Hampshire	16.6 <sup>3/4</sup> '	0.67	(03)	17.7
Vermont	16.4 <sup>'</sup>	0.91	(04)	16.3
New Jersey	16.1 <sup>3/4</sup> '	0.23	(05)	14.2
Low Five States				
Idaho	11.7 <sup>3/4</sup> '	0.57	(47)	-17.0
Montana	11.7 <sup>3/4</sup> '	0.62	(48)	-17.0
New Mexico	11.6 <sup>3/4</sup> '	0.47	(49)	-17.7
Utah	11.2 <sup>3/4</sup> '	0.48	(50)	-20.6
Hawaii	10.1 <sup>3/4</sup> '	0.52	(51)	-28.4

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	12.7 <sup>3/4</sup>	0.29	(40)	-9.9	Montana	11.7 <sup>3/4</sup> '	0.62	(48)	-17.0
Alaska	14.7	1.29	(21)	4.3	Nebraska	14.3	0.51	(25)	1.4
Arizona	11.9 <sup>3/4</sup> '	0.28	(45)	-15.6	Nevada	14.2	0.55	(26)	0.7
Arkansas	14.1	0.39	(28)	0.0	New Hampshire	16.6 <sup>3/4</sup> '	0.67	(03)	17.7
California	12.3 <sup>3/4</sup> '	0.11	(44)	-12.8	New Jersey	16.1 <sup>3/4</sup> '	0.23	(05)	14.2
Colorado	11.8 <sup>3/4</sup> '	0.32	(46)	-16.3	New Mexico	11.6 <sup>3/4</sup> '	0.47	(49)	-17.7
Connecticut	13.4	0.33	(34)	-5.0	New York	15.5 <sup>3/4</sup>	0.15	(15)	9.9
Delaware	16.8 <sup>'</sup>	0.83	(02)	19.1	North Carolina	14.1	0.24	(27)	0.0
District of Columbia	17.5 <sup>3/4</sup> '	0.93	(01)	24.1	North Dakota	13.4	0.77	(35)	-5.0
Florida	13.2 <sup>3/4</sup>	0.15	(36)	-6.4	Ohio	15.5 <sup>3/4</sup>	0.20	(13)	9.9
Georgia	13.0 <sup>3/4</sup>	0.25	(37)	-7.8	Oklahoma	13.4	0.34	(33)	-5.0
Hawaii	10.1 <sup>3/4</sup> '	0.52	(51)	-28.4	Oregon	12.6 <sup>3/4</sup> '	0.34	(42)	-10.6
Idaho	11.7 <sup>3/4</sup> '	0.57	(47)	-17.0	Pennsylvania	15.9 <sup>3/4</sup> '	0.18	(08)	12.8
Illinois	15.1 <sup>3/4</sup>	0.19	(18)	7.1	Rhode Island	14.7	0.62	(20)	4.3
Indiana	15.6 <sup>3/4</sup> '	0.28	(10)	10.6	South Carolina	13.9	0.33	(29)	-1.4
Iowa	15.3	0.38	(16)	8.5	South Dakota	14.7	0.76	(23)	4.3
Kansas	12.9	0.38	(39)	-8.5	Tennessee	14.5	0.28	(24)	2.8
Kentucky	15.6 <sup>3/4</sup> '	0.34	(11)	10.6	Texas	12.9 <sup>3/4</sup>	0.15	(38)	-8.5
Louisiana	15.1	0.33	(17)	7.1	Utah	11.2 <sup>3/4</sup> '	0.48	(50)	-20.6
Maine	16.0 <sup>'</sup>	0.59	(06)	13.5	Vermont	16.4 <sup>'</sup>	0.91	(04)	16.3
Maryland	16.0 <sup>3/4</sup> '	0.31	(07)	13.5	Virginia	14.8	0.27	(19)	5.0
Massachusetts	15.5 <sup>3/4</sup>	0.26	(14)	9.9	Washington	12.6 <sup>3/4</sup> '	0.27	(43)	-10.6
Michigan	13.9	0.21	(30)	-1.4	West Virginia	15.7 <sup>'</sup>	0.46	(09)	11.3
Minnesota	12.7 <sup>3/4</sup>	0.29	(41)	-9.9	Wisconsin	13.5	0.27	(31)	-4.3
Mississippi	13.5	0.38	(32)	-4.3	Wyoming	15.6 <sup>'</sup>	1.02	(12)	10.6
Missouri	14.7	0.27	(22)	4.3					

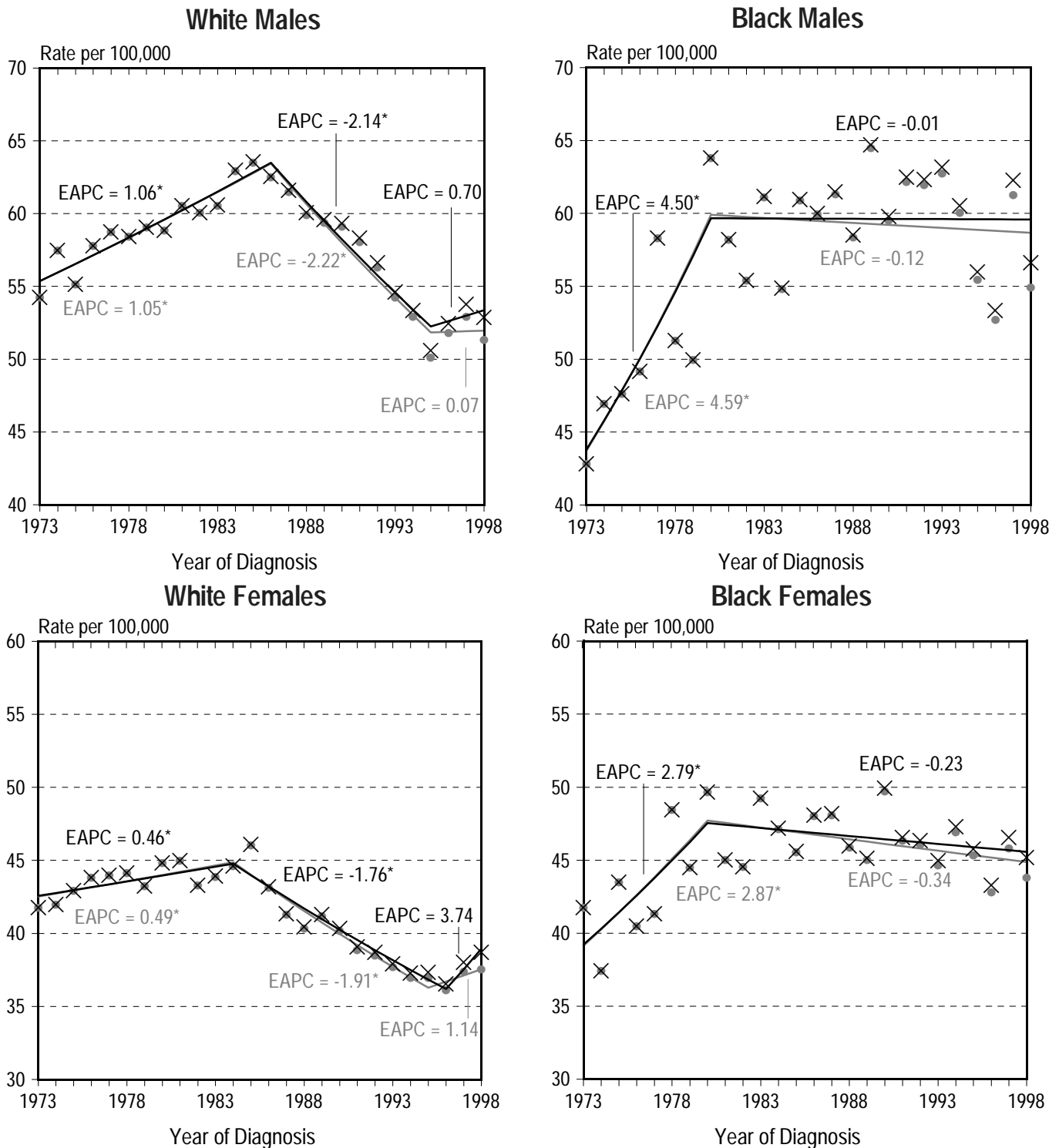
d NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
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 ' Absolute difference between state rate and total U.S. rate is 10% or more.  
<sup>3/4</sup> Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

# SEER Incidence and U.S. Mortality Rates<sup>+</sup> Colon & Rectum



<sup>+</sup> Rates are age-adjusted to the 1970 U.S. standard million population. Regression lines are calculated using the Joinpoint Regression Program.

# SEER Incidence and Delay Adjusted Incidence Rates<sup>+</sup> Colon & Rectum By Race and Sex



<sup>+</sup> Rates are age-adjusted to the 1970 U.S. standard million population. Regression lines are calculated using the Joinpoint Regression Program. The EAPC is the Estimated Annual Percent Change for the regression line segments. The EAPC is calculated by the Joinpoint Regression Program.

\* The EAPC is significantly different from zero ( $p < 0.05$ ).