

Table II-1
ALL SITES (Invasive)

TRENDS IN SEER INCIDENCE^a AND U.S. MORTALITY^b USING THE JOINPOINT REGRESSION PROGRAM, 1975-2001
WITH UP TO THREE JOINPOINTS BY RACE AND SEX

		Joinpoint Segment 1		Joinpoint Segment 2		Joinpoint Segment 3		Joinpoint Segment 4	
		Year	APC	Year	APC	Year	APC	Year	APC
<u>SEER Cancer Incidence^a</u>									
All Races	Male and Female	1975-1983	0.9 ^c	1983-1991	1.8 ^c	1991-2001	-0.5 ^c		
All Races	Male	1975-1989	1.3 ^c	1989-1992	5.1 ^c	1992-1995	-4.6 ^c	1995-2001	-0.2
All Races	Female	1975-1979	-0.2	1979-1987	1.5 ^c	1987-1999	0.3 ^c	1999-2001	-1.8
White	Male and Female	1975-1982	0.9 ^c	1982-1992	1.8 ^c	1992-1995	-1.8	1995-2001	0.1
White	Male	1975-1989	1.4 ^c	1989-1992	4.9 ^c	1992-1995	-4.9 ^c	1995-2001	0.0
White	Female	1975-1979	-0.2	1979-1987	1.6 ^c	1987-2001	0.3 ^c		
Black	Male and Female	1975-1989	1.2 ^c	1989-1992	3.8	1992-2001	-1.3 ^c		
Black	Male	1975-1981	2.8 ^c	1981-1989	0.6	1989-1992	7.0 ^c	1992-2001	-2.2 ^c
Black	Female	1975-1990	1.1 ^c	1990-1999	0.1	1999-2001	-3.7		
<u>SEER Delay-Adjusted Incidence^a</u>									
All Races	Male and Female	1975-1989	1.2 ^c	1989-1992	2.8	1992-1995	-2.1	1995-2001	0.4
All Races	Male	1975-1989	1.3 ^c	1989-1992	5.2 ^c	1992-1995	-4.7 ^c	1995-2001	0.2
All Races	Female	1975-1979	-0.2	1979-1987	1.5 ^c	1987-2001	0.3 ^c		
White	Male and Female	1975-1982	0.8 ^c	1982-1992	1.8 ^c	1992-1995	-1.8	1995-2001	0.8 ^c
White	Male	1975-1989	1.4 ^c	1989-1992	5.1 ^c	1992-1995	-5.0 ^c	1995-2001	0.6 ^c
White	Female	1975-1979	-0.2	1979-1987	1.6 ^c	1987-2001	0.5 ^c		
Black	Male and Female	1975-1989	1.2 ^c	1989-1992	3.7 ^c	1992-2001	-0.9 ^c		
Black	Male	1975-1981	2.8 ^c	1981-1989	0.7	1989-1992	6.8 ^c	1992-2001	-1.7 ^c
Black	Female	1975-1991	1.2 ^c	1991-2001	0.0				
<u>U.S. Cancer Mortality^b</u>									
All Races	Male and Female	1975-1990	0.5 ^c	1990-1993	-0.3	1993-2001	-1.1 ^c		
All Races	Male	1975-1979	1.0 ^c	1979-1990	0.3 ^c	1990-1993	-0.4	1993-2001	-1.5 ^c
All Races	Female	1975-1992	0.5 ^c	1992-2001	-0.8 ^c				
White	Male and Female	1975-1990	0.4 ^c	1990-1993	-0.3	1993-2001	-1.0 ^c		
White	Male	1975-1980	0.8 ^c	1980-1992	0.2 ^c	1992-2001	-1.4 ^c		
White	Female	1975-1991	0.6 ^c	1991-2001	-0.6 ^c				
Black	Male and Female	1975-1984	1.3 ^c	1984-1993	0.4 ^c	1993-2001	-1.6 ^c		
Black	Male	1975-1982	1.8 ^c	1982-1990	1.0 ^c	1990-1994	-0.6	1994-2001	-2.2 ^c
Black	Female	1975-1991	1.0 ^c	1991-1997	-0.5 ^c	1997-2001	-1.3 ^c		

Joinpoint Regression Program Version 2.7, September 2003, National Cancer Institute. (<http://srab.cancer.gov/joinpoint/>).

^a The APC is the Annual Percent Change based on rates age-adjusted to the 2000 U.S. standard population by 5-year age groups. Trends are from the SEER 9 areas.

^b Trends are from the NCHS public use data file for the total US.

^c The APC is significantly different from zero (p<.05).

Table II-2
ALL SITES (Invasive)

SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES^a, 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>									
1975	400.2	466.4	365.8	401.9	468.2	369.5	425.7	524.3	356.0
1976	407.2	480.9	367.3	409.5	481.5	373.1	427.3	552.7	340.5
1977	407.5	486.3	363.5	409.1	486.9	367.7	442.1	577.3	351.5
1978	407.1	488.2	362.0	409.6	489.6	367.8	436.3	570.4	343.9
1979	412.3	496.3	365.2	413.8	497.3	369.3	451.4	589.9	358.8
1980	417.6	505.4	367.6	419.1	504.9	372.9	466.6	613.6	366.1
1981	425.0	510.5	376.8	427.4	510.6	383.5	472.0	633.0	362.4
1982	424.2	510.7	376.0	427.4	512.1	383.1	464.8	621.3	359.3
1983	430.8	519.6	380.4	433.9	520.4	387.6	486.4	644.9	381.8
1984	439.5	524.9	392.0	443.0	526.9	399.0	486.9	643.4	384.2
1985	448.3	530.5	402.7	452.6	532.5	410.8	487.9	641.8	387.5
1986	451.0	537.8	401.9	455.4	542.2	408.5	492.8	642.0	396.1
1987	467.7	562.8	413.0	474.4	568.1	423.0	499.9	664.9	392.9
1988	463.4	557.8	408.9	469.7	564.3	417.3	503.2	656.5	403.9
1989	467.4	566.5	408.0	474.6	572.7	418.1	491.7	659.2	384.3
1990	481.2	592.0	414.7	487.9	598.0	424.0	520.2	699.3	406.4
1991	502.2	636.6	418.0	509.2	643.2	427.3	548.4	763.8	412.1
1992	509.9	657.1	414.3	515.6	661.4	422.9	566.3	805.6	411.4
1993	492.7	621.0	407.8	495.8	618.3	416.5	565.5	814.3	401.8
1994	482.4	588.4	412.6	485.9	585.7	421.8	554.6	778.2	406.9
1995	475.2	569.4	413.5	479.9	567.3	424.3	538.1	740.2	402.7
1996	476.6	568.9	416.3	481.5	568.9	425.9	534.9	718.6	413.0
1997	483.6	571.9	426.2	490.3	572.0	438.8	532.4	726.3	405.7
1998	484.6	568.2	430.8	492.6	571.0	443.6	525.7	706.9	408.8
1999	484.9	573.3	426.1	492.1	573.8	438.8	529.7	708.3	412.7
2000	477.1	567.8	415.0	486.0	569.4	430.0	516.4	697.0	395.3
2001	468.8	552.9	410.5	478.2	556.5	425.0	490.1	652.0	380.1
<u>AGE-ADJUSTED RATES, 1997-2001</u>									
<u>AGE AT DIAGNOSIS:</u>									
All ages	479.7	566.6	421.6	487.7	568.3	435.1	518.5	697.3	400.2
Under 65	227.1	222.9	232.1	230.5	222.2	239.7	254.6	297.8	219.4
65 and over	2,225.3	2,942.3	1,730.8	2,265.9	2,961.2	1,785.6	2,342.4	3,458.7	1,649.6
All ages(IARC world std) ^b	324.9	370.3	292.2	331.0	371.3	302.6	355.5	466.6	276.6
<u>AGE-SPECIFIC RATES, 1997-2001</u>									
<u>AGE AT DIAGNOSIS:</u>									
<1	21.8	20.3	23.4	22.1	21.1	23.2	19.4	-	24.7
1-4	20.1	20.8	19.4	21.9	22.4	21.4	12.8	12.8	12.7
5-9	11.4	12.6	10.2	12.3	13.4	11.1	8.2	10.0	6.5
10-14	12.9	13.5	12.3	13.7	13.9	13.4	9.9	11.0	8.8
15-19	20.0	20.6	19.4	21.7	22.3	21.1	13.4	13.9	12.8
20-24	34.9	33.4	36.4	38.5	36.9	40.2	22.8	20.4	25.1
25-29	53.2	46.5	59.9	57.8	50.3	65.9	39.6	36.2	42.7
30-34	82.5	64.4	100.8	85.7	67.7	104.6	73.6	54.9	90.3
35-39	127.0	92.9	161.2	130.3	95.2	166.5	116.9	87.7	142.6
40-44	207.6	150.8	263.5	209.4	150.5	268.9	219.5	184.9	249.8
45-49	343.6	271.0	414.1	343.1	265.3	420.9	390.7	380.4	399.6
50-54	559.1	526.6	590.3	562.3	516.9	607.1	659.0	776.7	558.8
55-59	897.1	959.1	838.1	904.3	945.9	863.6	1,073.0	1,375.2	818.2
60-64	1,331.3	1,579.2	1,104.4	1,354.0	1,573.8	1,147.9	1,571.1	2,169.9	1,090.6
65-69	1,830.7	2,326.2	1,407.0	1,876.9	2,342.7	1,468.3	2,039.4	2,940.4	1,363.5
70-74	2,246.4	2,952.3	1,692.8	2,298.4	2,968.8	1,762.6	2,414.5	3,616.0	1,602.0
75-79	2,462.7	3,264.7	1,898.9	2,502.2	3,280.9	1,955.5	2,571.4	3,816.6	1,791.3
80-84	2,511.3	3,353.0	2,003.6	2,544.2	3,379.6	2,043.1	2,520.8	3,686.0	1,914.0
85+	2,311.7	3,249.4	1,917.6	2,327.1	3,273.9	1,941.5	2,260.2	3,396.4	1,828.6

^a SEER 9 areas. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups, unless noted.

^b SEER 9 areas. Rates are per 100,000 and are age-adjusted to the IARC world standard population.

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

Table II-3
ALL SITES (Invasive)U.S. DEATH RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES^a, 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>									
1975	199.1	258.4	160.0	196.3	254.0	159.0	235.5	320.5	174.2
1976	202.3	262.2	162.7	199.4	257.5	161.7	241.8	328.4	179.1
1977	203.0	264.2	162.9	199.7	258.8	161.6	246.4	337.9	181.6
1978	204.4	267.1	163.8	201.1	261.6	162.5	247.2	340.9	181.5
1979	204.5	268.7	163.1	201.2	263.2	161.7	249.0	344.7	182.7
1980	207.0	271.1	165.8	203.3	265.0	164.2	256.2	353.9	189.2
1981	206.4	269.8	165.9	202.6	263.3	164.6	256.8	358.6	187.5
1982	208.3	272.9	167.4	204.5	266.3	166.1	260.4	364.9	190.2
1983	209.2	274.1	168.3	205.2	267.2	166.7	263.8	369.3	193.2
1984	210.9	275.1	170.5	206.7	267.6	169.0	268.1	377.9	195.7
1985	211.3	275.7	171.0	207.3	268.2	169.6	268.1	377.8	196.3
1986	211.8	276.0	171.6	207.7	268.8	170.0	269.4	378.9	199.1
1987	211.9	276.3	171.5	207.8	269.0	169.9	271.1	383.2	199.9
1988	212.6	276.9	172.5	208.5	269.5	170.9	271.6	384.2	200.4
1989	214.3	278.5	174.3	210.0	270.2	172.9	275.9	395.3	200.9
1990	214.9	279.8	174.7	210.4	271.5	172.9	279.3	399.1	205.4
1991	215.1	279.1	175.3	210.6	271.2	173.4	279.0	395.9	207.4
1992	213.5	276.5	174.4	209.2	268.9	172.6	274.9	389.2	205.8
1993	213.4	275.9	174.5	209.2	267.9	172.8	277.1	394.8	206.3
1994	211.7	272.1	174.1	207.8	264.7	172.6	272.0	385.2	204.1
1995	209.9	268.5	173.4	206.1	261.5	171.7	269.5	379.0	204.5
1996	207.0	263.7	171.2	203.4	256.8	169.8	265.3	373.7	200.9
1997	203.6	258.1	169.0	199.9	251.6	167.3	262.1	363.2	202.5
1998	200.8	253.6	166.9	197.6	247.6	165.4	255.7	353.1	198.4
1999	200.7	252.8	167.2	197.8	247.1	165.9	253.8	349.2	197.5
2000	198.6	248.1	166.6	196.2	243.1	165.9	248.1	341.2	193.2
2001	195.6	243.5	164.1	193.3	238.8	163.2	243.8	332.0	191.7
<u>AGE-ADJUSTED RATES, 1997-2001</u>									
<u>AGE AT DEATH:</u>									
All ages	199.8	251.1	166.7	196.9	245.5	165.5	252.5	347.3	196.5
Under 65	66.9	72.1	62.2	64.7	68.9	60.7	95.5	111.9	82.3
65 and over	1,118.4	1,488.3	889.4	1,111.1	1,466.3	890.0	1,337.4	1,974.7	986.1
All ages(IARC world std) ^b	120.6	145.5	102.7	118.4	141.7	101.7	157.0	206.4	124.8
<u>AGE-SPECIFIC RATES, 1997-2001</u>									
<u>AGE AT DEATH:</u>									
<1	2.1	2.1	2.0	2.1	2.2	2.1	1.6	-	1.7
1-4	2.7	2.8	2.5	2.8	3.0	2.6	2.4	2.6	2.2
5-9	2.5	2.6	2.3	2.5	2.7	2.4	2.4	2.5	2.2
10-14	2.5	2.8	2.3	2.5	2.7	2.3	2.6	2.9	2.2
15-19	3.7	4.3	3.0	3.6	4.3	3.0	3.9	4.5	3.3
20-24	5.2	6.1	4.3	5.1	6.0	4.2	5.9	6.9	5.0
25-29	7.5	7.7	7.2	7.3	7.5	7.1	9.4	9.4	9.4
30-34	13.1	12.0	14.2	12.7	11.8	13.6	16.8	14.0	19.3
35-39	25.4	21.8	28.9	24.1	20.9	27.3	36.6	29.7	42.6
40-44	49.8	45.4	54.1	47.1	42.9	51.2	74.3	69.0	79.0
45-49	94.1	93.8	94.4	88.8	87.5	90.1	145.9	156.2	137.0
50-54	168.4	176.7	160.5	161.4	166.4	156.6	255.1	299.5	217.5
55-59	292.6	325.8	261.6	283.7	311.1	257.5	421.4	523.1	338.5
60-64	469.9	547.2	400.0	461.0	530.3	397.2	630.8	809.0	491.1
65-69	695.5	847.1	566.1	689.0	831.4	565.1	869.6	1,149.7	662.4
70-74	963.5	1,212.5	768.9	954.4	1,189.0	767.8	1,211.2	1,689.1	894.3
75-79	1,216.0	1,588.7	956.9	1,208.1	1,563.2	958.9	1,461.4	2,144.4	1,049.9
80-84	1,484.5	2,034.5	1,162.4	1,479.1	2,009.9	1,165.7	1,706.7	2,669.2	1,228.2
85+	1,779.2	2,666.7	1,419.4	1,772.5	2,643.2	1,420.7	1,988.8	3,288.1	1,499.6

^a NCHS public use data file for the total US. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups, unless noted.

^b NCHS public use data file for the total US. Rates are per 100,000 and are age-adjusted to the IARC world standard population.

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

Table II-4
ALL SITES (Invasive)

SURVIVAL RATES, BY RACE, SEX, DIAGNOSIS YEAR 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:									
1960-1963 ^a	-	-	-	39	-	-	27	-	-
1970-1973 ^a	-	-	-	43	-	-	31	-	-
1974-1976 ^b	49.6	41.1	57.1	50.6	42.2	57.8	39.2	31.7	47.2
1977-1979 ^b	50.1	43.3	56.3	51.2	44.7	57.1	39.3	32.4	46.8
1980-1982 ^b	51.0	45.3	56.3	52.1	46.7	57.1	39.8	34.4	46.1
1983-1985 ^b	52.5	46.9	57.8	53.9	48.6	58.9	39.8	34.5	45.6
1986-1988 ^b	55.3	50.1	60.4	56.8	51.9	61.5	42.7	37.8	47.9
1989-1991 ^b	58.8	56.1	61.6	60.3	57.8	62.8	46.2	43.5	49.2
1992-1994 ^b	62.3	62.1	62.6	63.8	63.8	63.9	52.0	53.3	50.4
1995-2000 ^b	64.1 ^c	64.0 ^c	64.3 ^c	65.5 ^c	65.5 ^c	65.5 ^c	55.2 ^c	57.5 ^c	52.7 ^c
<u>5-YR RELATIVE SURVIVAL RATES, 1995-2000^b</u>									
AGE AT DIAGNOSIS:									
<45	75.5	68.6	80.3	78.2	72.1	82.6	58.9	49.1	65.7
45-54	69.3	61.6	75.2	71.5	63.9	77.2	56.3	52.3	60.3
55-64	65.9	65.4	66.5	67.4	66.9	67.9	57.8	60.9	53.1
65-74	63.0	66.7	58.3	64.1	67.7	59.5	56.6	64.5	45.2
75+	53.1	57.6	49.2	54.2	58.6	50.5	44.1	52.3	36.8
Under 65	69.4	65.0	73.4	71.4	67.2	75.1	57.6	55.7	59.7
65 and over	59.0	63.4	54.1	60.0	64.4	55.3	52.0	60.6	41.6

- ^a Rates are based on End Results data from a series of hospital registries and one population-based registry.
- ^b Rates are from the SEER 9 areas. 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 into 2001.
- ^c The difference in rates between 1974-1976 and 1995-2000 is statistically significant ($p < .05$).
- ^d The standard error of the survival rate is between 5 and 10 percentage points.
- ^e The standard error of the survival rate is greater than 10 percentage points.
- Statistic could not be calculated.

Table II-5
ALL SITES (Invasive)

SURVIVAL RATES^a

By Year of Diagnosis

All Races, Males and Females

Year of Diagnosis

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Relative Survival Rates (SEER ^b)																		
1-year	70.0	71.6	73.1	73.5	74.2	74.2	74.7	75.7	77.3	77.8	77.3	77.0	77.1	77.5	78.2	78.5	79.1	79.2
2-year	60.3	62.1	63.8	64.1	65.2	65.4	66.2	67.2	69.2	70.4	70.0	69.6	69.8	70.7	71.4	71.9	72.5	
3-year	55.4	57.1	58.9	59.5	60.5	61.0	61.7	63.0	65.2	66.7	66.3	66.1	66.4	67.4	68.1	68.6		
4-year	52.2	53.8	55.7	56.5	57.7	58.2	58.8	60.3	62.7	64.4	64.0	63.7	64.2	65.2	66.0			
5-year	50.0	51.4	53.4	54.3	55.5	56.2	56.7	58.5	60.8	62.6	62.3	62.2	62.7	63.7				
6-year	48.3	49.6	51.8	52.7	53.9	54.5	55.2	57.0	59.3	61.3	61.1	60.9	61.5					
7-year	47.0	48.1	50.4	51.3	52.3	53.1	53.9	55.7	58.1	60.0	59.9	59.9						
8-year	45.9	46.9	49.3	50.3	51.3	52.1	52.8	54.6	57.0	59.1	59.0							
9-year	45.0	45.9	48.3	49.4	50.3	51.1	52.0	53.7	56.2	58.3								
10-year	44.2	45.1	47.5	48.6	49.7	50.4	51.3	52.9	55.5									
11-year	43.5	44.4	46.8	48.0	48.9	49.8	50.7	52.1										
12-year	43.0	43.9	46.3	47.5	48.3	49.0	50.0											
13-year	42.6	43.4	45.9	47.0	47.6	48.3												
14-year	42.2	43.0	45.4	46.5	47.2													
15-year	41.8	42.7	44.9	45.9														
16-year	41.5	42.3	44.5															
17-year	41.4	42.0																
18-year	41.2																	
19-year	41.2																	
20-year	41.1																	

^a Survival rates are relative rates expressed as percents.
^b Rates are from the SEER 9 areas.

Table II-6
ALL SITES (Invasive)

SURVIVAL RATES^a

By Year of Diagnosis

All Races, Males

Year of Diagnosis

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Relative Survival Rates (SEER ^b)																			
1-year	64.5	67.6	69.1	69.7	70.9	71.1	72.0	73.8	76.3	77.5	76.6	76.2	75.9	76.8	77.4	77.3	78.5	78.8	
2-year	53.9	57.2	58.9	59.3	61.1	61.4	62.8	64.6	68.1	70.0	69.3	68.4	68.5	70.0	70.7	70.8	71.9		
3-year	48.5	51.9	53.7	54.2	56.0	56.5	58.0	60.3	64.2	66.6	65.8	65.1	65.3	66.9	67.8	67.8			
4-year	45.1	48.4	50.1	50.9	52.8	53.3	54.8	57.4	61.6	64.4	63.7	62.8	63.3	64.8	65.9				
5-year	42.7	45.8	47.7	48.7	50.6	51.1	52.5	55.4	59.7	62.8	62.1	61.4	61.9	63.6					
6-year	40.8	43.9	46.0	46.8	48.9	49.2	50.8	53.8	58.1	61.4	61.1	60.3	60.8						
7-year	39.3	42.2	44.4	45.3	47.1	47.5	49.3	52.3	56.8	60.2	59.9	59.3							
8-year	38.0	40.9	43.2	44.1	45.7	46.2	48.0	51.1	55.6	59.1	59.1								
9-year	36.9	39.8	42.1	42.9	44.6	45.2	47.0	50.1	54.8	58.2									
10-year	35.9	38.9	41.1	42.1	43.7	44.3	46.1	49.1	53.9										
11-year	34.9	38.1	40.4	41.3	42.9	43.7	45.3	48.2											
12-year	34.2	37.4	39.6	40.7	42.1	42.7	44.5												
13-year	33.6	36.9	39.1	40.0	41.5	41.8													
14-year	33.1	36.4	38.4	39.4	41.0														
15-year	32.6	36.1	37.8	38.7															
16-year	32.1	35.6	37.4																
17-year	31.8	35.3																	
18-year	31.6																		
19-year	31.5																		
20-year	31.4																		

^a Survival rates are relative rates expressed as percents.
^b Rates are from the SEER 9 areas.

Table II-7
ALL SITES (Invasive)

SURVIVAL RATES^a

By Year of Diagnosis

All Races, Females

Year of Diagnosis

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Relative Survival Rates (SEER ^b)																			
1-year	75.3	75.7	77.0	77.3	77.5	77.4	77.6	77.7	78.3	78.2	78.0	78.0	78.4	78.3	79.0	79.7	79.7	79.6	
2-year	66.6	66.9	68.6	69.0	69.4	69.5	69.6	70.1	70.5	70.9	70.7	70.9	71.2	71.5	72.1	72.9	73.1		
3-year	61.9	62.1	64.0	64.6	65.0	65.6	65.5	65.9	66.3	66.8	66.8	67.2	67.5	68.0	68.5	69.5			
4-year	58.8	59.0	61.0	61.8	62.4	63.1	62.9	63.4	63.8	64.3	64.3	64.7	65.2	65.6	66.1				
5-year	56.6	56.7	58.8	59.7	60.3	61.1	61.0	61.7	62.0	62.4	62.5	63.0	63.5	63.8					
6-year	55.0	54.9	57.2	58.2	58.6	59.6	59.5	60.2	60.6	61.1	61.2	61.6	62.2						
7-year	53.7	53.5	55.8	56.9	57.3	58.3	58.4	59.0	59.5	59.9	60.0	60.4							
8-year	52.7	52.3	54.8	55.9	56.4	57.4	57.3	58.1	58.5	59.1	58.8								
9-year	51.8	51.3	53.7	55.1	55.5	56.5	56.7	57.2	57.7	58.5									
10-year	51.0	50.5	52.9	54.3	54.9	55.9	56.1	56.4	57.1										
11-year	50.4	49.7	52.3	53.7	54.2	55.2	55.5	55.7											
12-year	49.8	49.2	51.8	53.2	53.6	54.5	54.8												
13-year	49.4	48.7	51.4	52.7	52.8	53.8													
14-year	49.0	48.2	51.0	52.2	52.3														
15-year	48.6	47.9	50.5	51.6															
16-year	48.3	47.4	49.9																
17-year	48.0	47.0																	
18-year	47.8																		
19-year	47.6																		
20-year	47.4																		

^a Survival rates are relative rates expressed as percents.
^b Rates are from the SEER 9 areas.

Table II-8
ALL SITES (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 (12 SEER Areas) With Cancer and
 Lifetime Risk (Percent) of Dying (Total U.S.) From Cancer

1999-2001

All Races

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.17	0.34	0.70	45.59	0.15	0.31	0.76	38.18
10	0.17	0.54	1.26	46.10	0.16	0.62	1.84	38.51
20	0.37	1.10	3.05	46.26	0.45	1.68	4.70	38.49
30	0.74	2.72	9.07	46.58	1.24	4.28	10.17	38.35
40	2.03	8.52	22.44	46.88	3.10	9.10	18.37	37.82
50	6.82	21.45	37.40	47.13	6.28	15.96	26.81	36.30
60	16.57	34.63	43.92	45.66	10.62	22.51	30.82	32.91

Lifetime Risk of Being Diagnosed = 45.59%
 Lifetime Risk of Dying = 23.66%

Lifetime Risk of Being Diagnosed = 38.18%
 Lifetime Risk of Dying = 19.99%

Whites

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.18	0.36	0.76	46.02	0.17	0.34	0.83	39.55
10	0.18	0.58	1.33	46.45	0.18	0.67	1.95	39.81
20	0.40	1.16	3.11	46.57	0.49	1.77	4.86	39.78
30	0.77	2.75	9.06	46.82	1.29	4.41	10.53	39.62
40	2.02	8.47	22.58	47.06	3.17	9.41	19.16	39.04
50	6.76	21.55	37.62	47.21	6.52	16.70	27.96	37.47
60	16.67	34.78	43.93	45.59	11.16	23.50	31.88	33.92

Lifetime Risk of Being Diagnosed = 46.02%
 Lifetime Risk of Dying = 23.71%

Lifetime Risk of Being Diagnosed = 39.55%
 Lifetime Risk of Dying = 20.22%

Blacks

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.10	0.22	0.46	42.45	0.11	0.23	0.54	31.76
10	0.12	0.37	1.05	43.51	0.12	0.44	1.50	32.38
20	0.25	0.95	3.46	43.86	0.32	1.38	4.20	32.40
30	0.72	3.30	11.89	44.83	1.07	3.92	9.30	32.41
40	2.69	11.61	27.05	45.82	2.91	8.42	16.74	32.10
50	9.77	26.68	40.67	47.23	5.86	14.70	23.81	31.02
60	21.10	38.55	45.44	46.74	9.98	20.27	26.78	28.41

Lifetime Risk of Being Diagnosed = 42.45%
 Lifetime Risk of Dying = 24.34%

Lifetime Risk of Being Diagnosed = 31.76%
 Lifetime Risk of Dying = 19.47%

Table II-9
ALL SITES (Invasive)

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

By Race/Ethnicity and Sex

Incidence^a

RACE/ETHNICITY	Rate 1997-2001			Trend 1992-2001		
	Rate per 100,000 persons			APC (%)		
	Total	Males	Females	Total	Males	Females
All Races	470.3	554.3	414.4	-0.7 ^d	-1.6 ^d	0.1
White	479.6	556.5	429.8	-0.5 ^d	-1.5 ^d	0.3
White Hispanic ^b	360.2	429.1	318.5	-0.8 ^d	-1.4 ^d	-0.3
White Non-Hispanic ^b	490.9	563.2	443.7	-0.4	-1.4 ^d	0.4
Black	515.8	689.2	400.1	-1.2 ^d	-1.9 ^d	-0.4
Asian/Pacific Islander	336.6	385.9	302.8	-0.7 ^d	-1.3 ^d	0.2
Amer Ind/Alaska Nat	237.7	263.2	222.5	-2.8 ^d	-3.9 ^d	-1.7 ^d
Hispanic ^b	351.3	419.8	309.9	-0.6 ^d	-1.2 ^d	-0.1

Mortality^c

RACE/ETHNICITY	Rate 1997-2001			Trend 1992-2001		
	Rate per 100,000 persons			APC (%)		
	Total	Males	Females	Total	Males	Females
All Races	199.8	251.1	166.7	-1.0 ^d	-1.5 ^d	-0.7 ^d
White	196.9	245.5	165.5	-0.9 ^d	-1.4 ^d	-0.7 ^d
White Hispanic ^b	139.7	177.8	114.4	-0.6 ^d	-0.8 ^d	-0.4 ^d
White Non-Hispanic ^b	200.1	249.7	167.9	-0.8 ^d	-1.3 ^d	-0.6 ^d
Black	252.5	347.3	196.5	-1.4 ^d	-1.9 ^d	-0.8 ^d
Asian/Pacific Islander	122.0	151.2	100.5	-1.6 ^d	-1.9 ^d	-1.1 ^d
Amer Ind/Alaska Nat	134.9	167.0	113.4	-0.5	-0.7	-0.4
Hispanic ^b	136.5	174.0	111.6	-0.5 ^d	-0.8 ^d	-0.3 ^d

The APC is the 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.

^a Incidence data are from the 12 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, and Alaska Native Registry).

^b Hispanic and Non-Hispanic are not mutually exclusive from Whites, Blacks, Asian Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics do not include cases from Detroit, Hawaii and Alaska Native Registry. For mortality, information is included for all states except Connecticut, Maine, Maryland, Oklahoma, New York, New Hampshire, North Dakota and Vermont.

^c Mortality data are analyzed from a public use file provided by the National Center for Health Statistics (NCHS).

^d The APC is significantly different from zero (p<.05).

Table II-10
ALL SITES (Invasive)AGE-ADJUSTED SEER INCIDENCE RATES^a AND SEER DEATH RATES^b
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES^a, 1997-2001</u>									
REGISTRY									
12 registries	470.3	554.3	414.4	479.6	556.5	429.8	515.8	689.2	400.1
11 registries	470.3	554.3	414.3	479.6	556.5	429.8	515.8	689.2	400.1
9 registries	479.7	566.6	421.6	487.7	568.3	435.1	518.5	697.3	400.2
San Francisco-Oakland	460.7	533.9	411.9	485.3	548.7	444.7	487.1	624.5	391.7
Connecticut	507.2	595.2	450.4	508.0	590.5	455.7	483.3	644.5	380.8
Metropolitan Detroit	539.4	671.2	453.2	533.8	647.5	462.3	570.2	774.7	433.9
Hawaii	426.2	483.7	384.4	515.1	587.9	454.0	340.9	410.9	260.3
Iowa	474.3	557.2	421.9	471.6	552.5	420.9	527.8	687.8	412.4
New Mexico	402.9	470.7	352.9	415.1	483.5	364.6	390.4	525.5	283.6
Seattle-Puget Sound	505.0	580.5	454.9	516.8	590.0	468.5	526.7	675.7	403.8
Utah	401.8	478.1	346.1	406.3	482.5	350.8	394.8	568.6	247.7
Metropolitan Atlanta	468.9	571.4	403.5	471.8	550.2	423.5	481.8	670.4	371.5
San Jose-Monterey	436.9	496.3	399.3	460.0	517.9	424.4	419.6	527.2	324.7
Los Angeles	449.0	529.5	395.8	456.9	524.9	413.7	514.0	678.0	403.4
<u>SEER DEATH RATES^b, 1997-2001</u>									
REGISTRY									
12 registries	185.2	226.8	158.5	186.0	225.9	160.8	243.0	320.7	196.5
11 registries	185.1	226.8	158.4	186.0	226.0	160.7	243.1	320.9	196.6
9 registries	188.4	232.3	160.3	188.3	230.6	161.7	243.6	324.5	195.1
San Francisco-Oakland	183.6	221.8	159.2	189.5	224.1	168.3	252.2	332.3	203.7
Connecticut	191.5	234.7	165.5	190.7	232.4	165.5	225.0	313.8	177.0
Metropolitan Detroit	211.6	264.7	179.3	202.8	252.0	173.4	251.9	327.1	204.9
Hawaii	158.0	195.7	127.7	185.6	223.4	153.0	120.0	122.2	118.4
Iowa	189.7	241.2	157.4	189.1	240.3	157.0	277.9	380.1	214.2
New Mexico	171.9	209.0	145.7	174.0	211.0	147.9	207.4	256.3	179.3
Seattle-Puget Sound	194.8	235.2	167.8	197.4	236.9	171.4	250.0	318.4	200.0
Utah	151.0	187.3	126.3	150.6	186.6	126.2	242.3	333.0	174.0
Metropolitan Atlanta	195.9	249.9	164.6	184.9	229.6	158.6	235.2	332.6	184.8
San Jose-Monterey	165.7	197.2	145.4	174.3	206.3	154.5	226.3	267.6	189.6
Los Angeles	179.0	215.7	155.3	180.2	214.2	158.9	243.5	315.0	201.5

Note: San Jose-Monterey and Los Angeles are new SEER areas as of 1992 and their data are only used in tables where indicated.
^a SEER 9 areas. Incidence rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.
^b NCHS public use data file for the total US. Death rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.

- Statistic could not be calculated or populations are inadequate.

Table II-11
ALL SITES (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH^a RATES BY STATE, ALL RACES, 1997-2001

Males and Females

State	Rate	SE	Rank	PD
TOTAL U.S.	199.8	0.12		
High Five States				
District of Columbia	241.2 ^{bc}	2.95	(01)	20.7
Louisiana	230.4 ^{bc}	1.06	(02)	15.3
Kentucky	227.0 ^{bc}	1.07	(03)	13.6
West Virginia	223.3 ^{bc}	1.45	(04)	11.8
Mississippi	222.3 ^{bc}	1.29	(05)	11.3
Low Five States				
Arizona	176.5 ^{bc}	0.84	(47)	-11.7
Colorado	172.2 ^{bc}	1.01	(48)	-13.8
New Mexico	171.9 ^{bc}	1.45	(49)	-14.0
Hawaii	158.0 ^{bc}	1.61	(50)	-20.9
Utah	151.0 ^{bc}	1.41	(51)	-24.4

Males

State	Rate	SE	Rank	PD
TOTAL U.S.	251.1	0.21		
High Five States				
District of Columbia	310.7 ^{bc}	5.44	(01)	23.7
Mississippi	306.7 ^{bc}	2.43	(02)	22.1
Louisiana	303.8 ^{bc}	1.97	(03)	21.0
Kentucky	298.9 ^{bc}	1.97	(04)	19.0
Alabama	290.4 ^{bc}	1.84	(05)	15.7
Low Five States				
Arizona	212.3 ^{bc}	1.41	(47)	-15.5
Colorado	210.9 ^{bc}	1.79	(48)	-16.0
New Mexico	209.0 ^{bc}	2.47	(49)	-16.8
Hawaii	195.7 ^{bc}	2.66	(50)	-22.1
Utah	187.3 ^{bc}	2.45	(51)	-25.4

Females

State	Rate	SE	Rank	PD
TOTAL U.S.	199.8	0.12		
High Five States				
District of Columbia	198.7 ^{bc}	3.47	(01)	19.2
Delaware	186.6 ^{bc}	2.90	(02)	11.9
West Virginia	186.0 ^{bc}	1.76	(03)	11.6
Louisiana	183.5 ^{bc}	1.25	(04)	10.1
Kentucky	180.9 ^{bc}	1.26	(05)	8.5
Low Five States				
Arizona	150.5 ^{bc}	1.05	(47)	-9.7
Colorado	148.0 ^{bc}	1.24	(48)	-11.2
New Mexico	145.7 ^{bc}	1.78	(49)	-12.6
Hawaii	127.7 ^{bc}	1.97	(50)	-23.4
Utah	126.3 ^{bc}	1.72	(51)	-24.2

For additional detailed cancer statistics by state, please visit the State Cancer Profiles website. <http://statecancerprofiles.cancer.gov/>

- ^a NCHS public use data file. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.
^b Absolute percent difference between state rate and total U.S. rate is 5% or more.
^c Difference between state rate and total U.S. rate is statistically significant (p<=.0002).
SE Standard error of the rate.
PD Percent difference between state rate and total U.S. rate.

Table II-12
ALL SITES (Invasive)Estimated United States Cancer Prevalence Counts^a on January 1, 2001
By Race/Ethnicity, Sex and Years Since Diagnosis

Years Since Diagnosis	0 to <5	5 to <10	10 to <15	15 to <20	20 to <25	0 to <11 ^e	0 to <26 ^e	>=26 ^g	Complete ^h
<u>Race/Sex</u>									
All Races ^b	3,765,929	2,409,640	1,410,983	832,269	542,570	6,522,090	9,048,822	760,218	9,809,040
Males	1,898,532	1,213,034	572,801	293,261	163,916	3,264,449	4,163,637	157,484	4,321,121
Females	1,867,397	1,196,606	838,182	539,008	378,654	3,257,641	4,885,185	602,734	5,487,919
White ^b	3,280,511	2,140,626	1,280,741	758,890	496,384	5,734,878	8,037,307	674,680	8,711,987
Males	1,641,392	1,071,727	522,570	268,582	151,104	2,852,303	3,675,672	145,211	3,820,883
Females	1,639,119	1,068,899	758,171	490,308	345,280	2,882,575	4,361,635	529,469	4,891,104
Black ^b	342,611	191,200	89,855	50,405	31,011	557,030	709,908	41,802	751,710
Males	185,889	104,653	35,472	16,917	8,403	300,563	352,415	5,205	357,620
Females	156,722	86,547	54,383	33,488	22,608	256,467	357,493	36,597	394,090
Asian/Pacific Islander ^c	79,924	42,826	+	+	+	128,513	+	+	+
Males	35,024	17,614	+	+	+	54,697	+	+	+
Females	44,900	25,212	+	+	+	73,816	+	+	+
Hispanic ^d	175,950	100,089	+	+	+	290,276	+	+	+
Males	84,529	46,015	+	+	+	136,143	+	+	+
Females	91,421	54,074	+	+	+	154,133	+	+	+

Estimated prevalence percent^a on January 1, 2001, of the SEER 11 population diagnosed in the previous 10 years
By Age at Prevalence, Race/Ethnicity and Sex

Age at Prevalence	Age Specific (Crude)										Age-Adjusted ^f
	All Ages	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	All Ages
<u>Race/Sex</u>											
All Races ^c	1.9251%	0.0759%	0.0994%	0.2014%	0.5219%	1.2325%	2.9832%	6.5481%	10.5728%	10.4983%	2.1054%
Males	1.9471%	0.0810%	0.1033%	0.1875%	0.4121%	0.8204%	2.4413%	7.5631%	14.6265%	15.6310%	2.4508%
Females	1.9037%	0.0706%	0.0954%	0.2160%	0.6347%	1.6377%	3.4978%	5.6497%	7.5352%	7.7750%	1.9058%
White ^c	2.0992%	0.0822%	0.1079%	0.2228%	0.5644%	1.2894%	3.0870%	6.8604%	10.9466%	10.6539%	2.1861%
Males	2.0946%	0.0878%	0.1109%	0.2096%	0.4534%	0.8637%	2.4918%	7.7550%	14.8675%	15.6128%	2.5002%
Females	2.1038%	0.0764%	0.1046%	0.2371%	0.6826%	1.7215%	3.6673%	6.0484%	7.9756%	8.0679%	2.0136%
Black ^c	1.3984%	0.0493%	0.0739%	0.1346%	0.3801%	1.0500%	2.9712%	6.8665%	10.6346%	9.1821%	2.0285%
Males	1.5986%	0.0509%	0.0797%	0.1163%	0.2588%	0.7471%	3.0449%	9.6854%	17.4957%	16.3750%	2.8247%
Females	1.2169%	0.0477%	0.0679%	0.1513%	0.4879%	1.3147%	2.9094%	4.6359%	6.1102%	5.8783%	1.5363%
Asian/Pacific Islander ^c	1.1940%	0.0640%	0.0730%	0.1198%	0.3279%	0.9177%	2.0300%	3.7514%	6.6994%	8.0337%	1.3926%
Males	1.1052%	0.0689%	0.0769%	0.1014%	0.2179%	0.4745%	1.2609%	3.7775%	9.0317%	11.6043%	1.4820%
Females	1.2769%	0.0588%	0.0688%	0.1376%	0.4312%	1.3140%	2.7052%	3.7301%	4.9490%	5.5513%	1.3560%
Hispanic ^d	0.7392%	0.0720%	0.0899%	0.1335%	0.3598%	0.8659%	1.9391%	4.2548%	7.6086%	7.8589%	1.4766%
Males	0.6686%	0.0757%	0.0931%	0.1250%	0.2624%	0.4589%	1.4142%	4.8558%	11.0489%	11.9357%	1.7297%
Females	0.8133%	0.0681%	0.0866%	0.1436%	0.4698%	1.2760%	2.4194%	3.7616%	5.1579%	5.6525%	1.3525%

^a US 2001 cancer prevalence counts are based on 2001 cancer prevalence proportions from the SEER registries and 1/1/2001 US population estimates based on the average of 2000 and 2001 population estimates from the US Bureau of the Census. Prevalence was calculated using the First Malignant Primary Only for a person.

^{b c d} Statistics based on (b) SEER 9 Areas (c) SEER 11 Areas (d) SEER 11 Areas excluding Hawaii and Detroit.

^e Maximum limited-duration prevalence: 26 years for 1975-2001 SEER 9 data; 11 years for 1990-2001 SEER 11 data (used to calculate prevalence for Hispanics and Asian Pacific Islanders).

^f Percentages are age-adjusted to the 2000 US standard population by 5-year age groups.

^{g h} (g) Cases diagnosed 26 years or more ago were estimated using the completeness index method (Capocaccia et. al. 1997, Merrill et. al. 2000). (h) Complete prevalence is obtained by summing 0 to <26 and >=26.

- Statistic not shown. Statistic based on fewer than 5 cases estimated alive in SEER for the time interval.

+ Not available.

SEER Incidence, Delay Adjusted Incidence and US Death Rates+ All Cancer Sites, by Race and Sex

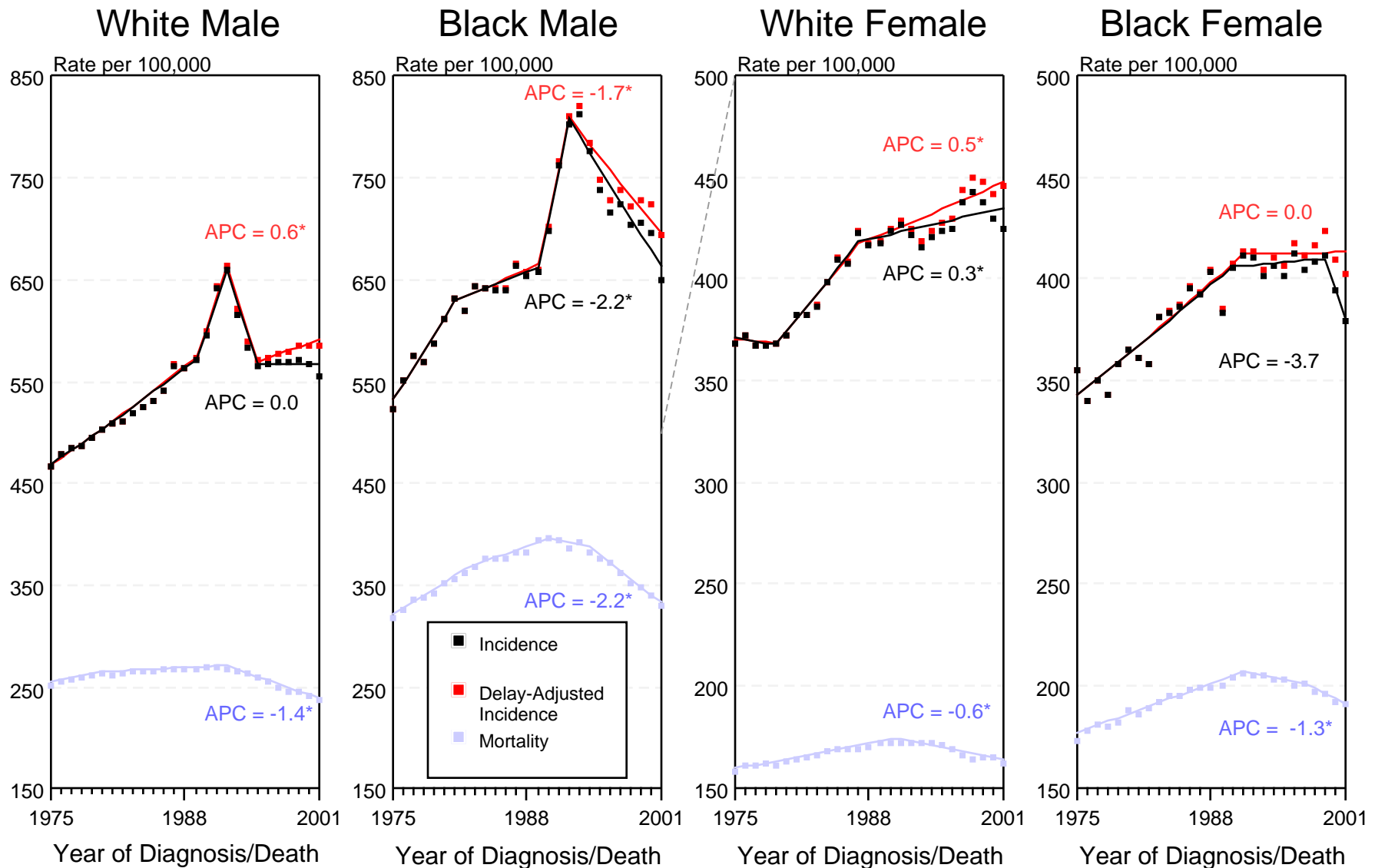


Figure II-1

+ Source: SEER 9 areas and NCHS public use data file for the total US. Rates are age-adjusted to the 2000 US standard million population by 5-year age groups. Regression lines and APCs are calculated using the Joinpoint Regression Program Version 2.7, September 2003, National Cancer Institute.

The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

SEER Incidence and US Death Rates+ All Cancer Sites, Under 65 Years of Age, by Race and Sex

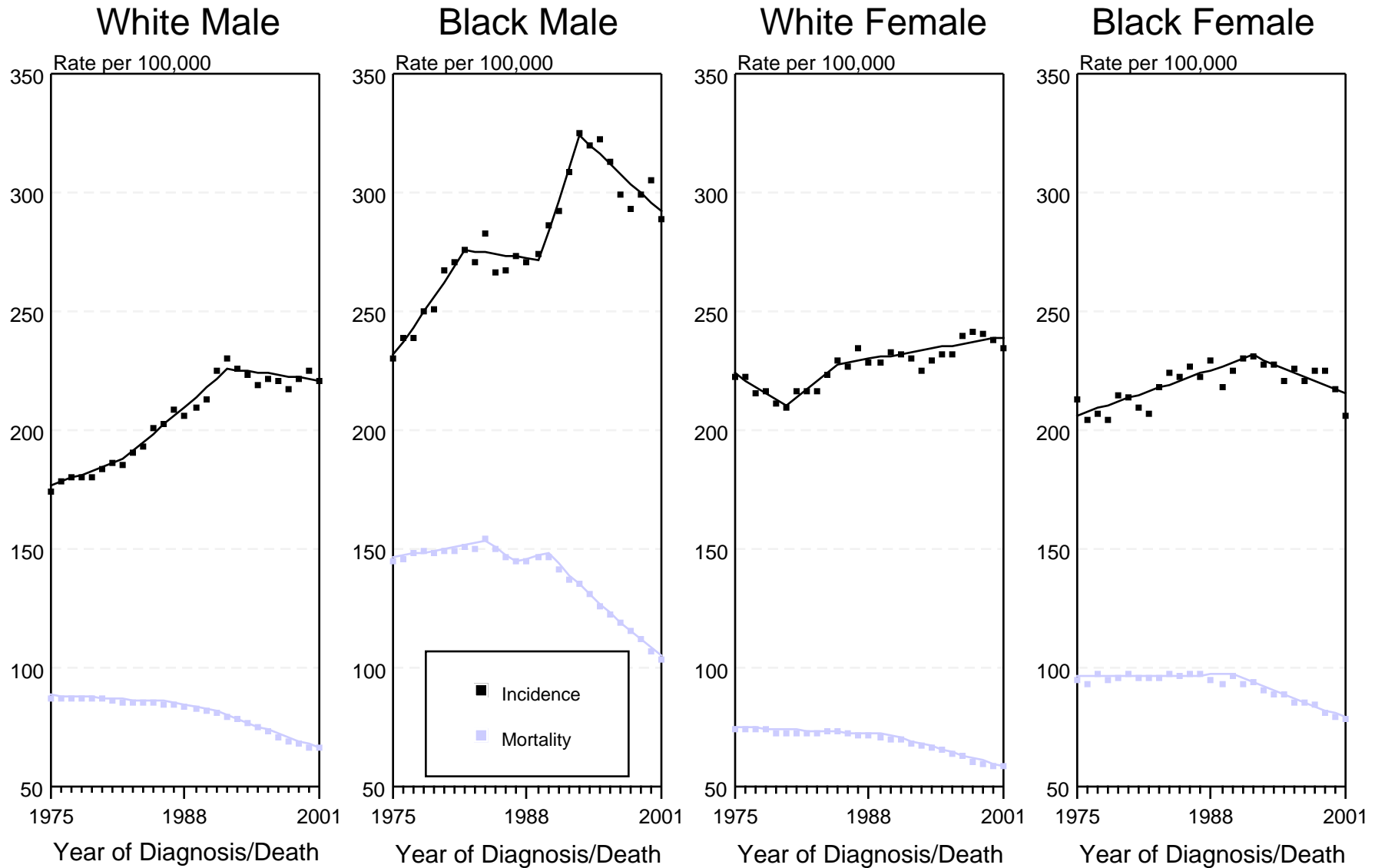


Figure II-2

+ Source: SEER 9 areas and NCHS public use data file for the total US. Rates are age-adjusted to the 2000 US standard million population by 5-year age groups. Regression lines are calculated using the Joinpoint Regression Program Version 2.7, September 2003, National Cancer Institute.

SEER Incidence and US Death Rates+ All Cancer Sites, Ages 65 and Over, by Race and Sex

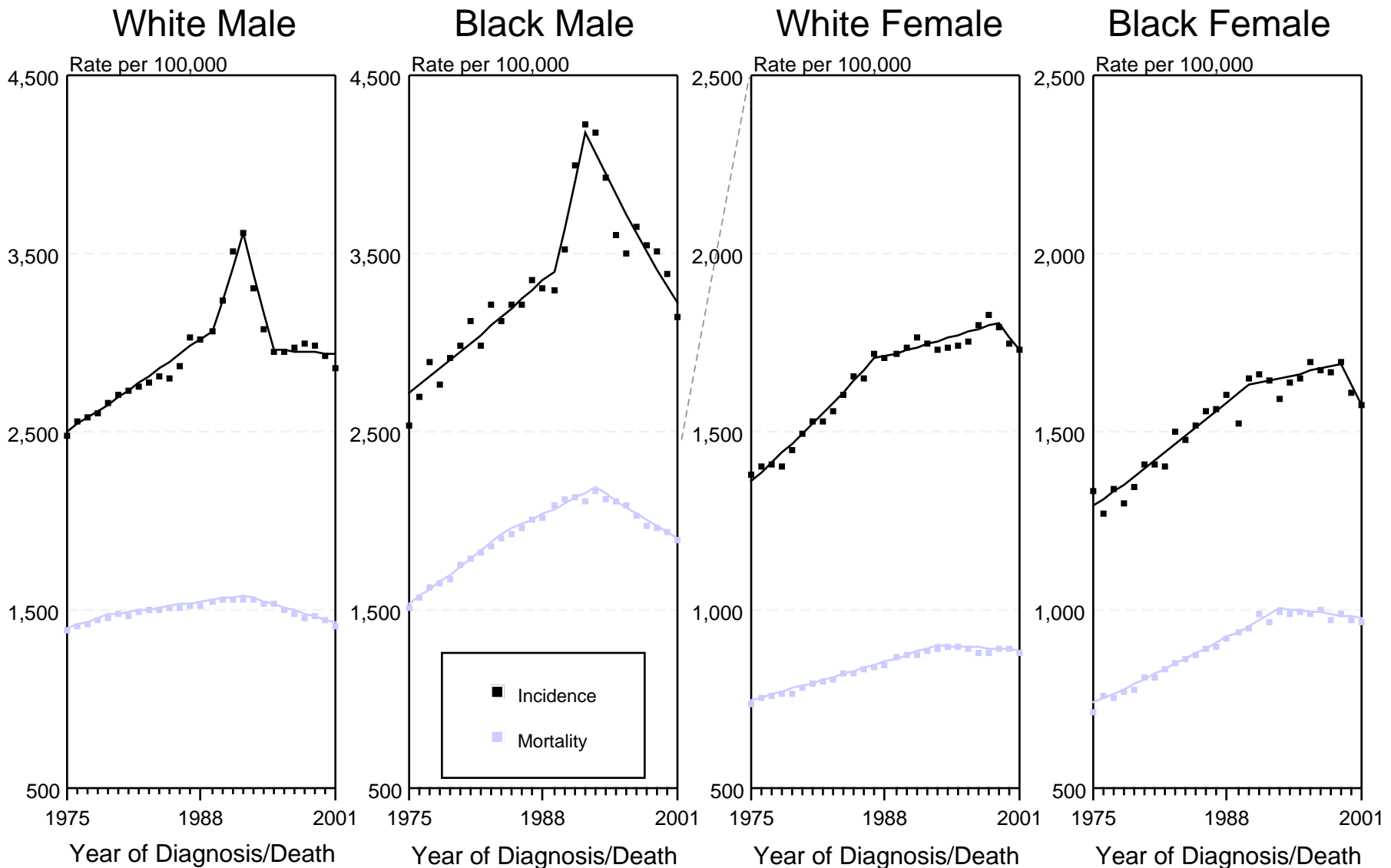


Figure II-3

+ Source: SEER 9 areas and NCHS public use data file for the total US. Rates are age-adjusted to the 2000 US standard million population by 5-year age groups. Regression lines are calculated using the Joinpoint Regression Program Version 2.7, September 2003, National Cancer Institute.