Table XXII-1
PROSTATE CANCER (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 AGE

		Joinpoint Segment 1		Joinpoint Segment 2		Joinpoint Segment 3		Joinpoint Segment 4	
		Year	APC	Year	APC	Year	APC	Year	APC
SEER Cancer Incidence[a]									
All Races	All Ages	1975-1988	2.6[c]	1988-1992	16.4[c]	1992-1995	-11.4[c]	1995-2001	1.4[c]
All Races	Under 65	1975-1985	2.4[c]	1985-1989	7.6[c]	1989-1992	25.8[c]	1992-2001	3.0[c]
All Races	65 and Over	1975-1988	2.5[c]	1988-1992	15.1[c]	1992-1995	-14.7[c]	1995-2001	0.4
White	All Ages	1975-1988	2.8[c]	1988-1992	16.2[c]	1992-1995	-12.4[c]	1995-2001	1.7[c]
White	Under 65	1975-1985	2.5[c]	1985-1989	8.8[c]	1989-1992	24.7[c]	1992-2001	2.8[c]
White	65 and Over	1975-1988	2.7[c]	1988-1992	14.8[c]	1992-1995	-15.7[c]	1995-2001	0.8
Black	All Ages	1975-1989	2.1[c]	1989-1992	19.5[c]	1992-2001	-2.6[c]		
Black	Under 65	1975-1989	2.0[c]	1989-1993	25.9[c]	1993-2001	2.2[c]		
Black	65 and Over	1975-1989	2.0[c]	1989-1992	19.9[c]	1992-1995	-9.5	1995-2001	-2.8[c]
SEER Delay-Adjusted Incidence[a]									
All Races	All Ages	1975-1988	2.6[c]	1988-1992	16.5[c]	1992-1995	-11.5[c]	1995-2001	2.0[c]
White	All Ages	1975-1988	2.8[c]	1988-1992	16.4[c]	1992-1995	-12.4[c]	1995-2001	2.6[c]
Black	All Ages	1975-1989	2.0[c]	1989-1992	22.1[c]	1992-1995	-5.6	1995-2001	-0.1
U.S. Cancer Mortality[b]									
All Races	All Ages	1975-1987	0.9[c]	1987-1991	3.0[c]	1991-1994	-0.6	1994-2001	-4.1[c]
All Races	Under 65	1975-1987	0.5[c]	1987-1990	3.0	1990-1995	-3.0[c]	1995-2001	-5.0[c]
All Races	65 and Over	1975-1987	0.9[c]	1987-1991	3.1[c]	1991-1994	-0.4	1994-2001	-4.0[c]
White	All Ages	1975-1987	0.8[c]	1987-1991	3.1[c]	1991-1994	-0.8	1994-2001	-4.2[c]
White	Under 65	1975-1987	0.7[c]	1987-1990	3.7	1990-2001	-4.5[c]		
White	65 and Over	1975-1987	0.8[c]	1987-1991	3.2[c]	1991-1994	-0.6	1994-2001	-4.2[c]
Black	All Ages	1975-1988	1.9[c]	1988-1993	3.3[c]	1993-2001	-2.7[c]		
Black	Under 65	1975-1992	0.6[c]	1992-2001	-3.1[c]				
Black	65 and Over	1975-1988	2.1[c]	1988-1993	3.5[c]	1993-2001	-2.6[c]		

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

The APC is the Annual Percent Change based on rates age-adjusted to the 2000 U.S. standard population by 5-year age groups.
[a] 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 XXII-2
PROSTATE CANCER (Invasive)

SEER INCIDENCE[a] AND U.S. DEATH[b] RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE

	Incidence[a]			US Death[b]		
	All Races, Males	White Males	Black Males	All Races, Males	White Males	Black Males
AGE-SPECIFIC RATES, 1997-2001						
AGE AT DIAGNOSIS/DEATH:						
<1	–	–	–	–	–	–
1-4	–	–	–	–	–	–
5-9	–	–	–	–	–	–
10-14	–	–	–	–	–	–
15-19	–	–	–	–	–	–
20-24	–	–	–	–	–	–
25-29	–	–	–	–	–	–
30-34	–	–	–	–	–	–
35-39	0.7	0.7	–	0.0	–	–
40-44	7.7	6.6	20.3	0.2	0.2	0.7
45-49	36.6	32.4	89.3	1.0	0.8	2.7
50-54	137.6	132.6	259.4	3.4	2.8	9.7
55-59	331.8	321.5	580.0	10.4	8.8	28.3
60-64	600.6	587.3	1,009.6	26.4	22.1	73.4
65-69	921.0	910.4	1,401.6	60.0	52.4	152.0
70-74	1,090.4	1,072.5	1,622.4	118.4	104.6	313.6
75-79	1,083.4	1,053.2	1,580.9	217.3	197.5	519.0
80-84	910.7	883.6	1,259.9	382.1	354.8	848.1
85+	801.7	779.5	1,148.0	717.8	677.2	1,354.1
AGE-ADJUSTED RATES, 1997-2001						
AGE AT DIAGNOSIS/DEATH:						
All ages	175.5	171.2	274.3	31.5	28.8	70.4
Under 65	58.8	56.8	105.0	2.1	1.8	5.8
65 and over	982.2	961.8	1,444.3	234.5	215.9	516.8
All ages(IARC world std)[c]	115.7	113.0	185.6	13.6	12.2	31.8

[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]   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.
[c]   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 XXII-3
PROSTATE CANCER (Invasive)

SEER INCIDENCE[a] AND U.S. DEATH[b] RATES, AGE-ADJUSTED RATES, BY RACE AND AGE

	All Races, Males			White Males			Black Males		
	All	<65	65+	All	<65	65+	All	<65	65+
SEER INCIDENCE RATES									
YEAR OF DIAGNOSIS:									
1975	94.0	13.7	649.4	92.2	13.0	639.7	141.1	27.1	929.2
1976	97.9	14.6	674.0	97.3	13.9	673.7	140.8	29.4	910.9
1977	100.4	15.0	690.8	98.6	14.4	680.6	159.0	29.1	1,057.2
1978	99.4	15.2	681.2	97.7	14.8	671.2	148.0	26.8	985.3
1979	103.4	14.9	714.9	102.3	14.6	708.2	162.0	26.4	1,100.0
1980	105.9	15.4	730.9	104.8	14.6	728.2	160.9	33.6	1,040.3
1981	108.8	16.8	744.9	107.8	15.9	742.9	161.4	34.1	1,041.4
1982	108.2	16.3	743.1	107.3	15.8	739.9	167.6	31.5	1,108.4
1983	111.5	17.1	764.1	110.7	16.6	761.5	170.9	33.9	1,118.2
1984	111.6	17.2	763.7	110.0	16.2	758.2	178.9	37.3	1,158.1
1985	115.4	17.9	789.8	114.5	17.5	784.8	169.8	31.5	1,125.8
1986	118.9	18.5	813.2	118.9	18.2	814.8	167.8	34.0	1,093.3
1987	133.5	21.5	908.0	134.3	21.1	917.3	188.7	35.9	1,244.4
1988	137.4	22.2	933.6	138.4	22.3	941.0	190.3	34.8	1,265.8
1989	145.2	24.1	982.1	145.9	24.0	988.6	191.9	37.3	1,260.5
1990	170.5	28.7	1,150.8	172.2	28.7	1,163.6	221.8	44.4	1,447.7
1991	214.5	38.8	1,428.9	216.1	39.2	1,438.8	287.0	57.0	1,877.0
1992	236.9	49.3	1,533.6	237.5	49.3	1,538.4	326.3	76.8	2,051.0
1993	208.9	50.4	1,304.7	203.7	48.9	1,273.2	341.4	93.6	2,054.2
1994	179.8	48.5	1,087.6	173.6	46.6	1,051.2	310.3	94.3	1,803.4
1995	168.3	49.8	987.5	163.1	47.8	959.7	277.9	96.9	1,528.7
1996	168.0	53.1	962.2	163.3	51.6	935.1	278.4	99.1	1,517.5
1997	172.1	54.9	982.1	168.0	53.7	958.2	276.7	95.2	1,531.6
1998	169.1	54.4	961.6	165.0	52.4	943.1	278.2	99.9	1,510.5
1999	180.5	60.3	1,010.9	175.2	58.3	983.0	281.9	108.3	1,481.6
2000	178.9	61.0	993.3	174.2	58.8	971.9	283.3	111.4	1,472.2
2001	176.8	62.6	966.6	173.5	60.3	955.9	251.9	108.7	1,241.2
1997-2001	175.5	58.8	982.2	171.2	56.8	961.8	274.3	105.0	1,444.3
U.S. DEATH RATES									
YEAR OF DEATH:									
1975	31.0	2.5	227.5	29.1	2.2	214.9	55.5	6.6	394.0
1976	31.8	2.7	232.9	29.9	2.3	220.8	55.6	6.9	392.2
1977	31.8	2.7	233.3	29.9	2.3	220.6	56.4	6.9	398.7
1978	32.7	2.6	240.3	30.6	2.2	226.8	58.5	6.8	416.1
1979	32.8	2.6	242.1	30.8	2.2	228.2	59.2	6.6	422.9
1980	33.1	2.7	243.1	30.8	2.3	227.4	62.0	6.6	445.0
1981	33.2	2.7	244.0	30.8	2.3	227.5	63.6	7.1	454.4
1982	33.4	2.7	245.5	31.1	2.3	229.8	62.4	6.6	447.7
1983	33.9	2.8	249.3	31.6	2.4	233.2	64.6	7.0	462.5
1984	34.1	2.7	250.8	31.6	2.4	233.5	65.9	6.7	475.1
1985	33.9	2.7	249.4	31.3	2.3	231.3	67.3	7.2	482.7
1986	34.9	2.8	257.0	32.5	2.5	239.7	67.4	6.6	487.4
1987	35.1	2.7	259.1	32.6	2.4	241.3	68.9	6.7	499.0
1988	35.9	2.8	264.4	33.4	2.5	247.1	69.6	7.0	502.3
1989	37.1	3.0	273.0	34.5	2.6	255.2	71.7	7.1	518.5
1990	38.6	3.0	284.2	35.7	2.6	264.0	78.0	7.4	565.6
1991	39.3	2.9	291.1	36.5	2.5	271.4	78.2	7.1	570.2
1992	39.2	2.9	290.6	36.3	2.4	270.3	79.8	7.7	578.7
1993	39.3	2.7	292.5	36.3	2.3	270.8	81.9	7.0	599.1
1994	38.5	2.7	286.5	35.6	2.3	266.0	80.0	6.8	585.9
1995	37.3	2.6	277.2	34.4	2.2	256.9	78.2	6.7	572.5
1996	36.0	2.5	267.6	33.0	2.1	246.4	78.8	6.5	579.2
1997	34.1	2.3	254.3	31.3	1.9	234.6	74.3	6.3	544.2
1998	32.6	2.3	242.5	29.9	1.9	223.4	72.8	6.3	532.4
1999	31.6	2.1	235.5	28.9	1.7	216.9	70.1	5.8	514.8
2000	30.3	2.0	225.9	27.7	1.7	207.5	68.7	5.4	506.6
2001	29.1	1.9	216.5	26.6	1.6	198.9	66.4	5.4	488.5
1997-2001	31.5	2.1	234.5	28.8	1.8	215.9	70.4	5.8	516.8

[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]   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 XXII-4
PROSTATE CANCER (Invasive)

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

	All Races, Males			White Males			Black Males		
	All	<65	65+	All	<65	65+	All	<65	65+
5-YR RELATIVE SURVIVAL RATES									
YEAR OF DIAGNOSIS:									
1960-1963[a]	–	–	–	50	–	–	35	–	–
1970-1973[a]	–	–	–	63	–	–	55	–	–
1974-1976[b]	67.1	71.5	65.5	68.1	73.0	66.4	58.4	60.7	57.0
1977-1979[b]	71.1	75.8	69.4	72.2	77.5	70.3	62.6	64.4	61.7
1980-1982[b]	73.4	76.4	72.3	74.5	78.0	73.3	64.8	66.7	63.8
1983-1985[b]	74.8	75.7	74.5	76.2	77.5	75.8	63.9	64.6	63.5
1986-1988[b]	81.2	81.3	81.2	82.7	83.1	82.6	69.3	69.8	69.1
1989-1991[b]	90.7	90.2	90.8	92.0	91.3	92.2	80.8	82.3	80.2
1992-1994[b]	97.3	96.3	97.7	98.1	97.0	98.6	92.4	93.4	91.9
1995-2000[b]	99.3[c]	99.1	99.7	100.0[c]	99.5	100.0	96.0[c]	98.1	95.1[c]
1995-2000[b]									
ALL STAGES	99.3	99.1	99.7	100.0	99.5	100.0	96.0	98.1	95.1
LOCAL/REGIONAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DISTANT	33.5	30.5	34.6	32.7	30.3	33.6	29.0	31.1	28.0
UNSTAGED	81.4	89.3	79.4	82.8	91.3	80.9	75.5	82.6	72.4
STAGE DISTRIBUTION (%) 1995-2000[b]									
ALL STAGES									
Number of cases	96,225	31,566	64,659	79,055	25,380	53,675	12,044	5,094	6,950
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCAL/REGIONAL	90	94	88	91	95	89	88	92	85
DISTANT	5	3	6	5	3	6	7	5	8
UNSTAGED	5	3	6	5	2	5	5	3	7
5-YR RELATIVE SURVIVAL RATES, 1995-2000[b]									
AGE AT DIAGNOSIS:									
<45	91.7	–	–	91.3	–	–	95.4	–	–
45-54	97.2	–	–	97.5	–	–	96.8	–	–
55-64	99.7	–	–	100.0	–	–	98.4	–	–
65-74	100.0	–	–	100.0	–	–	98.1	–	–
75+	94.8	–	–	96.0	–	–	87.5	–	–
Under 65	99.1	–	–	99.5	–	–	98.1	–	–
65 and over	99.7	–	–	100.0	–	–	95.1	–	–

[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 XXII-5
PROSTATE CANCER (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	91.9	94.2	95.2	95.0	95.5	96.4	97.0	97.7	99.0	99.8	99.6	99.5	99.2	99.6	99.8	100.0	100.0	100.0
2-year	85.2	88.5	88.8	89.4	91.5	92.8	93.9	94.9	97.7	98.8	98.7	98.6	98.4	98.9	99.8	99.8	100.0	
3-year	79.0	82.9	83.9	84.3	87.2	89.0	90.6	92.8	96.5	98.4	97.8	97.8	98.2	98.8	99.8	99.8		
4-year	74.2	78.0	79.4	80.6	83.9	86.3	88.2	91.0	95.4	98.2	97.6	97.1	98.0	98.7	99.8			
5-year	70.0	73.7	75.9	77.9	81.1	84.0	85.8	89.9	94.4	97.7	97.1	96.9	97.9	98.7				
6-year	66.9	70.4	73.2	74.9	78.9	81.8	83.9	88.7	93.4	97.0	96.8	96.7	97.9					
7-year	63.8	67.0	71.0	72.9	76.4	79.1	82.4	87.1	93.2	96.6	96.3	96.5						
8-year	60.9	64.1	68.6	71.5	74.5	77.5	81.2	85.9	92.7	95.9	96.3							
9-year	58.5	62.1	66.7	69.3	73.0	76.4	80.1	85.3	92.3	95.7								
10-year	56.1	60.4	64.7	67.5	71.7	75.1	79.5	84.1	92.1									
11-year	53.8	58.4	62.4	66.3	70.4	74.8	78.9	83.3										
12-year	51.7	56.8	60.3	64.7	69.7	73.2	77.9											
13-year	50.1	55.3	59.5	63.8	68.8	71.8												
14-year	48.6	54.1	57.4	63.0	68.2													
15-year	47.7	53.3	55.9	61.4														
16-year	46.1	51.9	54.1															
17-year	44.8	51.3																
18-year	43.7																	
19-year	43.2																	
20-year	42.6																	

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

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                            Table XXII-6
                        PROSTATE CANCER (Invasive)

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

              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
                 +10 yrs     +20 yrs     +30 yrs    Eventually

             0       0.00        0.00        0.00       17.81
            10       0.00        0.00        0.01       18.06
            20       0.00        0.01        0.28       18.16
            30       0.01        0.28        2.55       18.37
            40       0.28        2.58        8.85       18.67
            50       2.39        8.90       15.77       19.10
            60       7.18       14.76       17.91       18.44

            Lifetime Risk of Being Diagnosed =   17.81%
            Lifetime Risk of Dying =              3.01%



                                Whites
            Current
            Age
                 +10 yrs     +20 yrs     +30 yrs    Eventually

             0       0.00        0.00        0.00       17.58
            10       0.00        0.00        0.01       17.78
            20       0.00        0.01        0.26       17.87
            30       0.01        0.26        2.46       18.06
            40       0.26        2.49        8.74       18.33
            50       2.32        8.79       15.55       18.72
            60       7.10       14.51       17.51       17.99

            Lifetime Risk of Being Diagnosed =   17.58%
            Lifetime Risk of Dying =              2.82%



                                Blacks
            Current
            Age
                 +10 yrs     +20 yrs     +30 yrs    Eventually

             0       0.00        0.00        0.00       20.58
            10       0.00        0.00        0.02       21.13
            20       0.00        0.02        0.64       21.33
            30       0.02        0.66        4.49       21.89
            40       0.66        4.62       13.03       22.60
            50       4.29       13.40       20.80       23.76
            60      11.07       20.06       23.08       23.66

            Lifetime Risk of Being Diagnosed =   20.58%
            Lifetime Risk of Dying =              4.73%
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Devcan Version 5.2, April 2004, National Cancer Institute (http://srab.cancer.gov/devcan/).

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                              Table XXII-7
                       PROSTATE CANCER (Invasive)

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

                        By Race/Ethnicity and Sex
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Incidence[a]

	Rate 1997-2001 Rate per 100,000 persons	Trend 1992-2001 APC (%)
	Males	Males
RACE/ETHNICITY		
All Races	172.3	-2.5[d]
White	167.4	-2.6[d]
White Hispanic[b]	141.6	-1.3[d]
White Non-Hispanic[b]	166.7	-2.6[d]
Black	271.3	-2.3[d]
Asian/Pacific Islander	100.7	-1.9
Amer Ind/Alaska Nat	51.2	-7.9[d]
Hispanic[b]	140.0	-1.1[d]

Mortality[c]

	Rate 1997-2001 Rate per 100,000 persons	Trend 1992-2001 APC (%)
	Males	Males
RACE/ETHNICITY		
All Races	31.5	-3.6[d]
White	28.8	-3.7[d]
White Hispanic[b]	23.8	-2.3[d]
White Non-Hispanic[b]	29.1	-3.7[d]
Black	70.4	-2.3[d]
Asian/Pacific Islander	13.0	-4.8[d]
Amer Ind/Alaska Nat	20.2	-3.9[d]
Hispanic[b]	23.5	-2.3[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 XXII-8
PROSTATE CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES[a] AND SEER DEATH RATES[b]
By Registry and Race

	All Races, Males			White Males			Black Males		
	All	<65	65+	All	<65	65+	All	<65	65+
SEER INCIDENCE RATES[a], 1997-2001									
REGISTRY									
12 registries	172.3	57.4	966.8	167.4	55.7	939.8	271.3	106.0	1413.7
11 registries	172.5	57.5	967.6	167.4	55.7	939.8	271.3	106.0	1413.7
9 registries	175.5	58.8	982.2	171.2	56.8	961.8	274.3	105.0	1444.3
San Francisco-Oakland	164.9	54.8	926.0	165.5	56.6	918.0	224.3	89.2	1158.1
Connecticut	174.1	61.9	949.2	167.5	58.0	924.4	248.3	104.1	1245.6
Metropolitan Detroit	224.7	77.2	1244.2	202.5	67.6	1134.4	313.1	115.9	1676.5
Hawaii	131.6	34.6	802.1	154.9	45.5	910.7	169.9	79.0	-
Iowa	153.2	47.1	886.4	150.7	46.2	873.3	227.2	86.7	1198.4
New Mexico	146.5	47.2	833.0	150.4	48.5	854.9	216.8	96.1	1050.9
Seattle-Puget Sound	176.7	56.8	1005.4	179.3	57.9	1018.4	254.6	96.7	1346.3
Utah	180.0	56.1	1036.6	181.9	57.1	1045.0	272.6	-	1525.0
Metropolitan Atlanta	185.6	72.3	968.7	164.3	62.2	869.4	268.8	105.8	1395.4
San Jose-Monterey	157.7	51.7	890.5	162.6	55.5	902.9	179.4	79.9	867.6
Los Angeles	166.5	54.9	937.9	154.8	51.6	868.1	268.6	110.4	1362.0
SEER DEATH RATES[b], 1997-2001									
REGISTRY									
12 registries	29.2	1.9	217.8	28.4	1.7	213.0	63.0	5.7	459.6
11 registries	29.2	1.9	218.0	28.4	1.7	213.2	63.2	5.7	460.5
9 registries	30.3	1.9	226.7	29.3	1.7	219.9	65.0	5.2	478.1
San Francisco-Oakland	28.1	1.8	209.8	28.3	1.7	212.6	63.6	5.5	465.8
Connecticut	28.6	1.8	214.0	27.3	1.6	204.7	66.3	-	492.8
Metropolitan Detroit	35.3	2.4	262.9	29.4	1.8	220.5	62.9	5.1	462.0
Hawaii	21.2	1.3	158.9	31.4	-	235.7	-	-	-
Iowa	31.2	1.6	235.9	31.0	1.6	234.2	79.6	-	611.6
New Mexico	29.7	1.9	221.7	29.8	2.0	221.8	62.5	-	-
Seattle-Puget Sound	28.4	1.6	213.8	28.4	1.5	213.9	64.9	-	479.3
Utah	33.1	1.8	248.8	33.0	1.7	249.4	-	-	-
Metropolitan Atlanta	36.4	2.5	270.8	27.9	1.5	210.9	71.6	5.7	527.0
San Jose-Monterey	25.5	1.4	191.9	28.5	1.6	214.5	31.2	-	-
Los Angeles	26.5	2.2	194.6	25.4	1.9	187.9	59.9	6.8	426.4

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.

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                                Table XXII-9
                          PROSTATE CANCER (Invasive)

        AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATHᵃ RATES BY STATE, ALL RACES, 1997-2001


                                   All Ages

        State                        Rate      SE      Rank      PD
        TOTAL U.S.                   31.5      0.08
        High Five States
             District of Columbia    49.9ᵇᶜ    2.30     (01)     58.4
             Mississippi             43.2ᵇᶜ    0.98     (02)     37.1
             Alabama                 40.1ᵇᶜ    0.74     (03)     27.3
             South Carolina          40.1ᵇᶜ    0.83     (04)     27.3
             Louisiana               38.1ᵇᶜ    0.76     (05)     21.0
        Low Five States
             California              28.0ᵇᶜ    0.23     (47)    -11.1
             Florida                 26.9ᵇᶜ    0.25     (48)    -14.6
             Arizona                 26.7ᵇᶜ    0.53     (49)    -15.2
             Alaska                  25.1ᵇ     2.48     (50)    -20.3
             Hawaii                  21.2ᵇᶜ    0.91     (51)    -32.7


                                   Ages <65

        State                        Rate      SE      Rank      PD
        TOTAL U.S.                    2.1      0.02
        High Five States
             Mississippi              3.1ᵇᶜ    0.23     (01)     47.6
             Louisiana                3.0ᵇᶜ    0.18     (02)     42.9
             District of Columbia     3.0ᵇ     0.51     (03)     42.9
             Alabama                  2.7ᵇ     0.17     (04)     28.6
             South Carolina           2.6ᵇ     0.17     (05)     23.8
        Low Five States
             New Hampshire            1.6ᵇ     0.24     (47)    -23.8
             Washington               1.6ᵇᶜ    0.11     (48)    -23.8
             Colorado                 1.4ᵇᶜ    0.13     (49)    -33.3
             Nebraska                 1.4ᵇᶜ    0.20     (50)    -33.3
             Hawaii                   1.3ᵇᶜ    0.23     (51)    -38.1


                                   Ages 65+

        State                        Rate      SE      Rank      PD
        TOTAL U.S.                   234.5      0.62
        High Five States
             District of Columbia    374.4ᵇᶜ   17.85    (01)     59.7
             Mississippi             320.5ᵇᶜ    7.56    (02)     36.7
             South Carolina          299.4ᵇᶜ    6.49    (03)     27.7
             Alabama                 299.1ᵇᶜ    5.73    (04)     27.5
             Georgia                 283.7ᵇᶜ    4.91    (05)     21.0
        Low Five States
             California              207.6ᵇᶜ    1.79    (47)    -11.5
             Arizona                 197.5ᵇᶜ    4.08    (48)    -15.8
             Florida                 197.4ᵇᶜ    1.92    (49)    -15.8
             Alaska                  186.6ᵇ    19.47    (50)    -20.4
             Hawaii                  158.9ᵇᶜ    7.01    (51)    -32.2
```

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 10% 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 XXII-10
PROSTATE CANCER (Invasive)

Estimated United States Cancer Prevalence Counts[a] on January 1, 2001
By Race/Ethnicity 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]
Race									
All Races[b]	854,021	616,832	182,507	49,579	16,895	1,531,453	1,721,366	6,481	1,727,847
White[b]	714,334	533,805	165,767	44,467	15,196	1,303,231	1,474,940	6,764	1,481,704
Black[b]	109,319	67,353	14,006	4,447	1,550	181,277	196,813	561	197,374
Asian/Pacific Islander[c]	12,286	6,931	+	+	+	19,761	+	+	+
Hispanic[d]	35,737	20,470	+	+	+	57,990	+	+	+

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

Age at Prevalence	All Ages	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+	
Race											
All Races[c]	0.9028%	0.0002%	0.0002%	0.0002%	0.0008%	0.0477%	0.7545%	3.9101%	8.7396%	9.0628%	1.1958%
White[c]	0.9465%	–	–	0.0003%	0.0008%	0.0419%	0.7351%	3.9010%	8.7085%	8.7840%	1.1798%
Black[c]	0.9585%	–	–	–	0.0018%	0.1226%	1.4371%	6.5504%	12.9982%	12.0044%	1.8322%
Asian/Pacific Islander[c]	0.4350%	–	–	–	–	0.0134%	0.2221%	1.4682%	4.7206%	6.5065%	0.6327%
Hispanic[d]	0.2823%	–	–	–	–	0.0201%	0.4200%	2.5868%	7.0666%	7.4846%	0.9163%

[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+
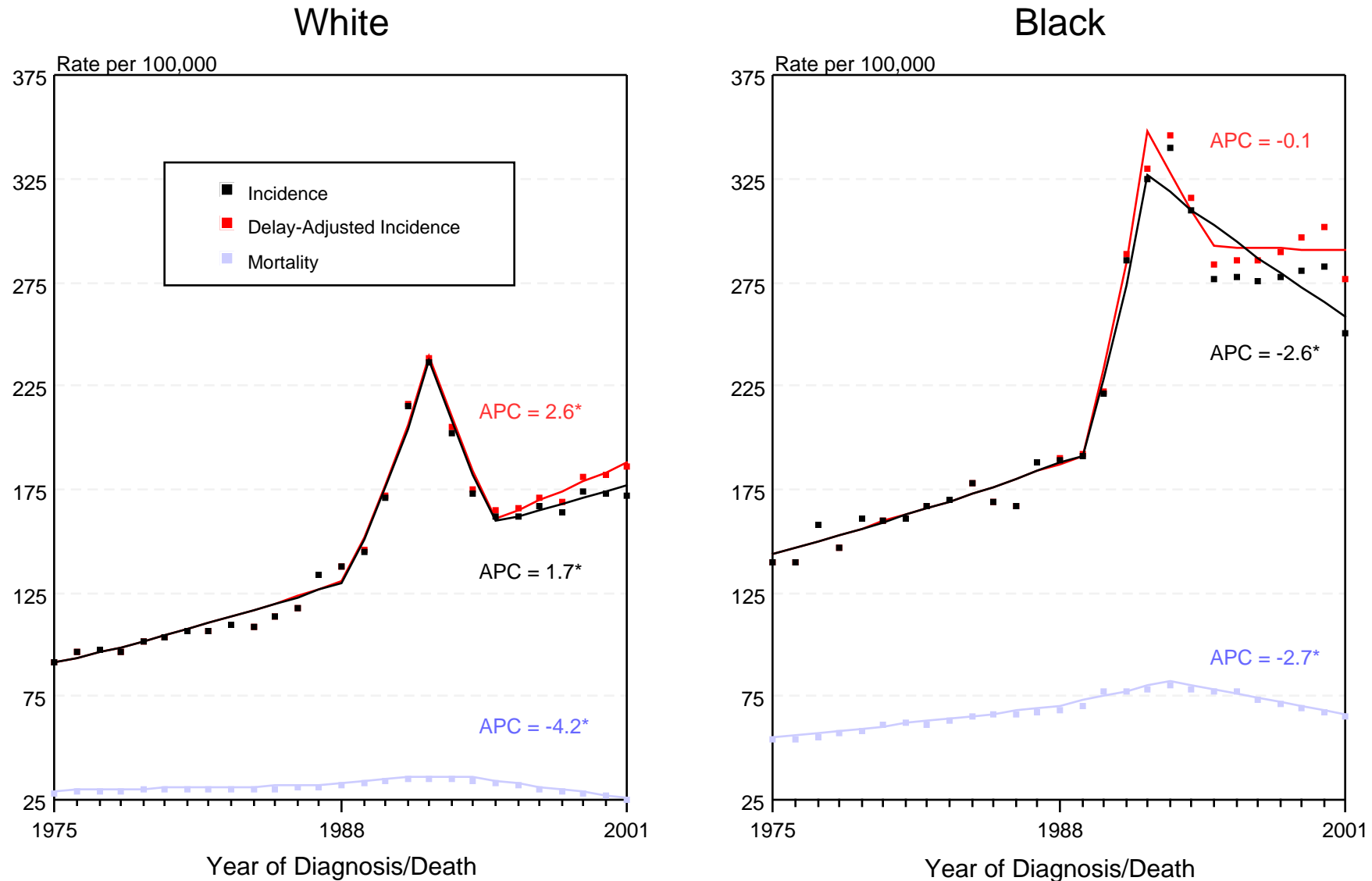## Prostate Cancer, by Race

White

Rate per 100,000

- ■ Incidence
- ■ Delay-Adjusted Incidence
- ■ Mortality

APC = 2.6*

APC = 1.7*

APC = -4.2*

Year of Diagnosis/Death

Black

Rate per 100,000

APC = -0.1

APC = -2.6*
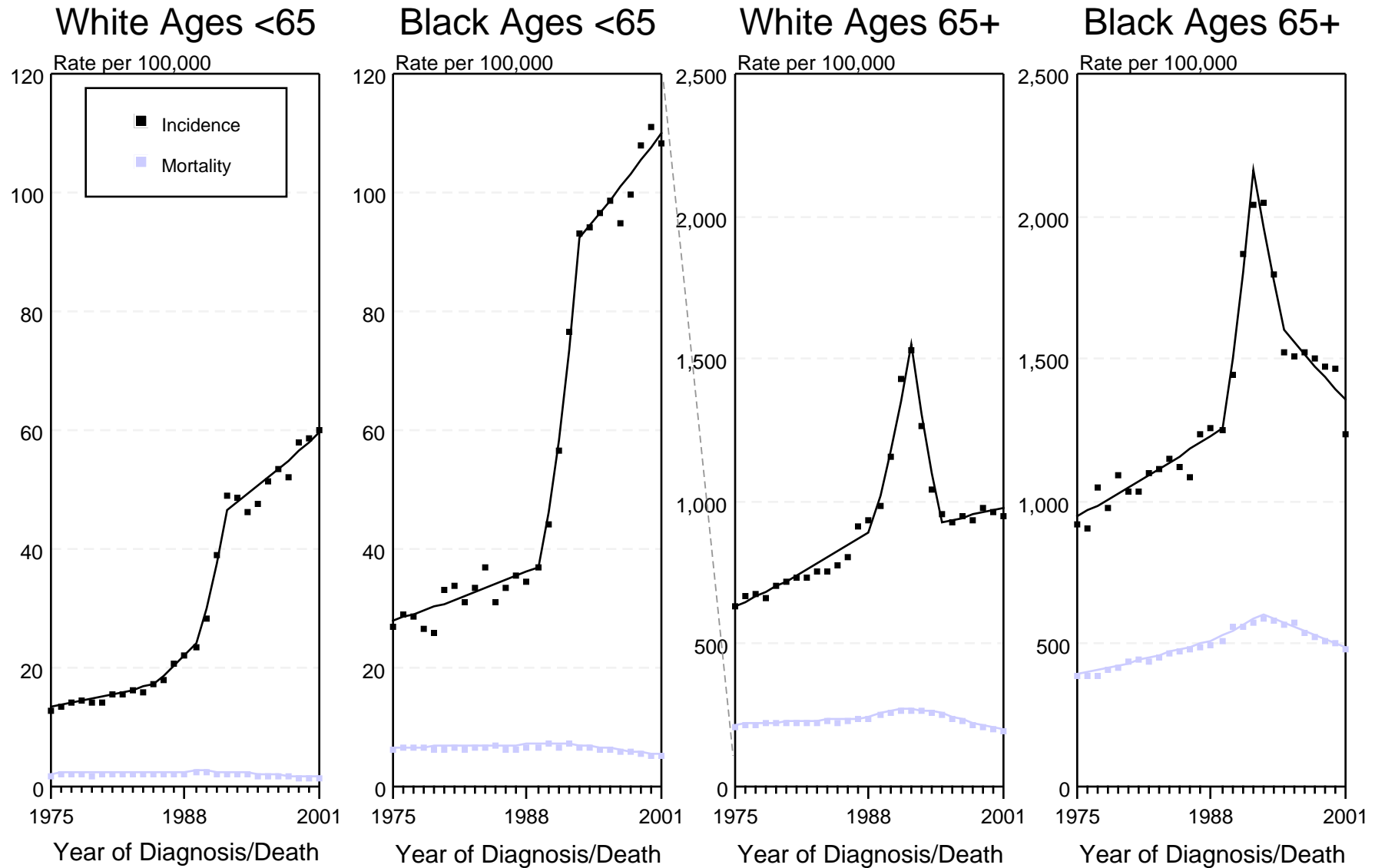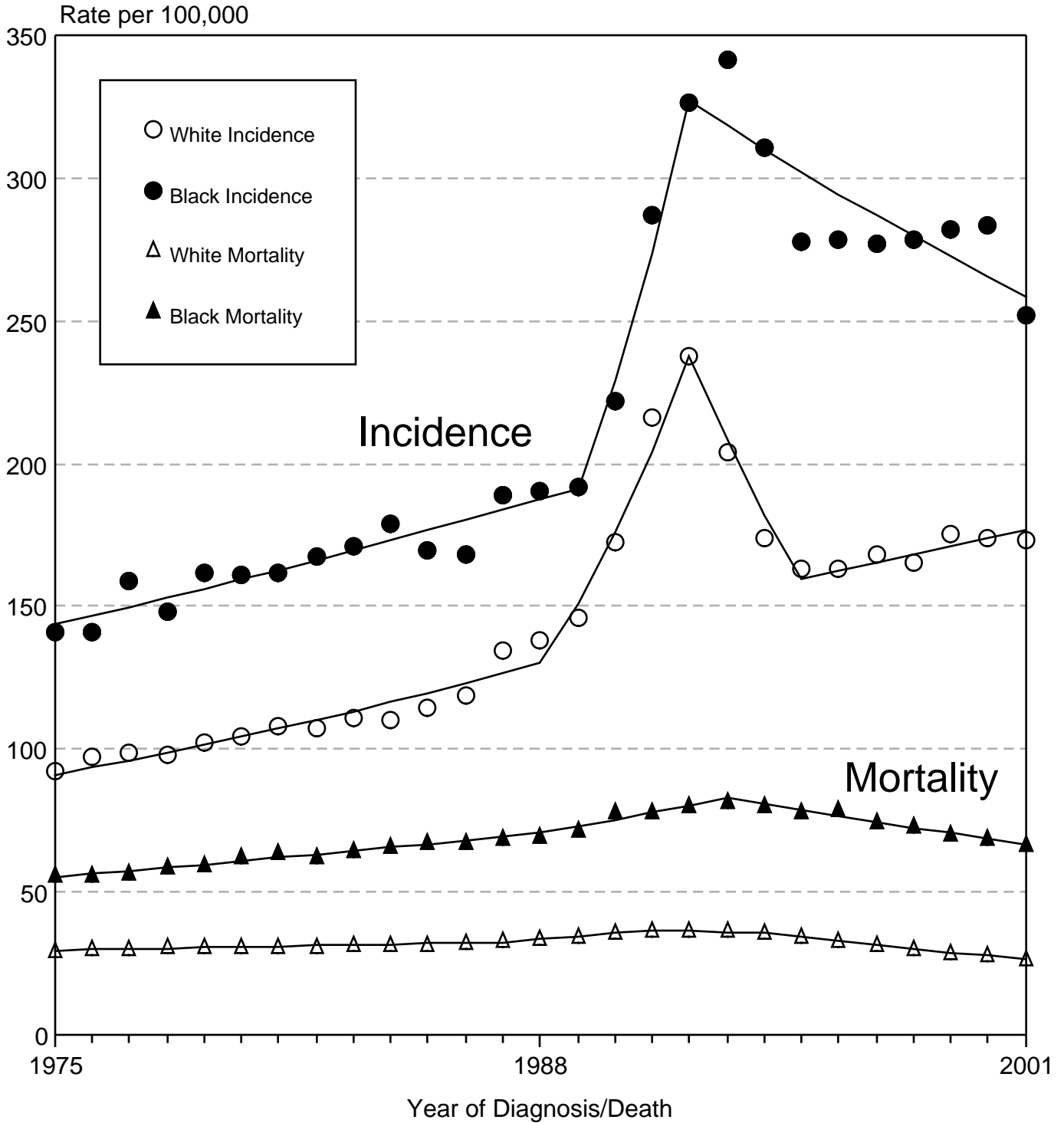
APC = -2.7*

Year of Diagnosis/Death

Figure XXII-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+
Prostate Cancer, by Age and Race

White Ages <65
Rate per 100,000

Black Ages <65
Rate per 100,000

White Ages 65+
Rate per 100,000

Black Ages 65+
Rate per 100,000

Legend:
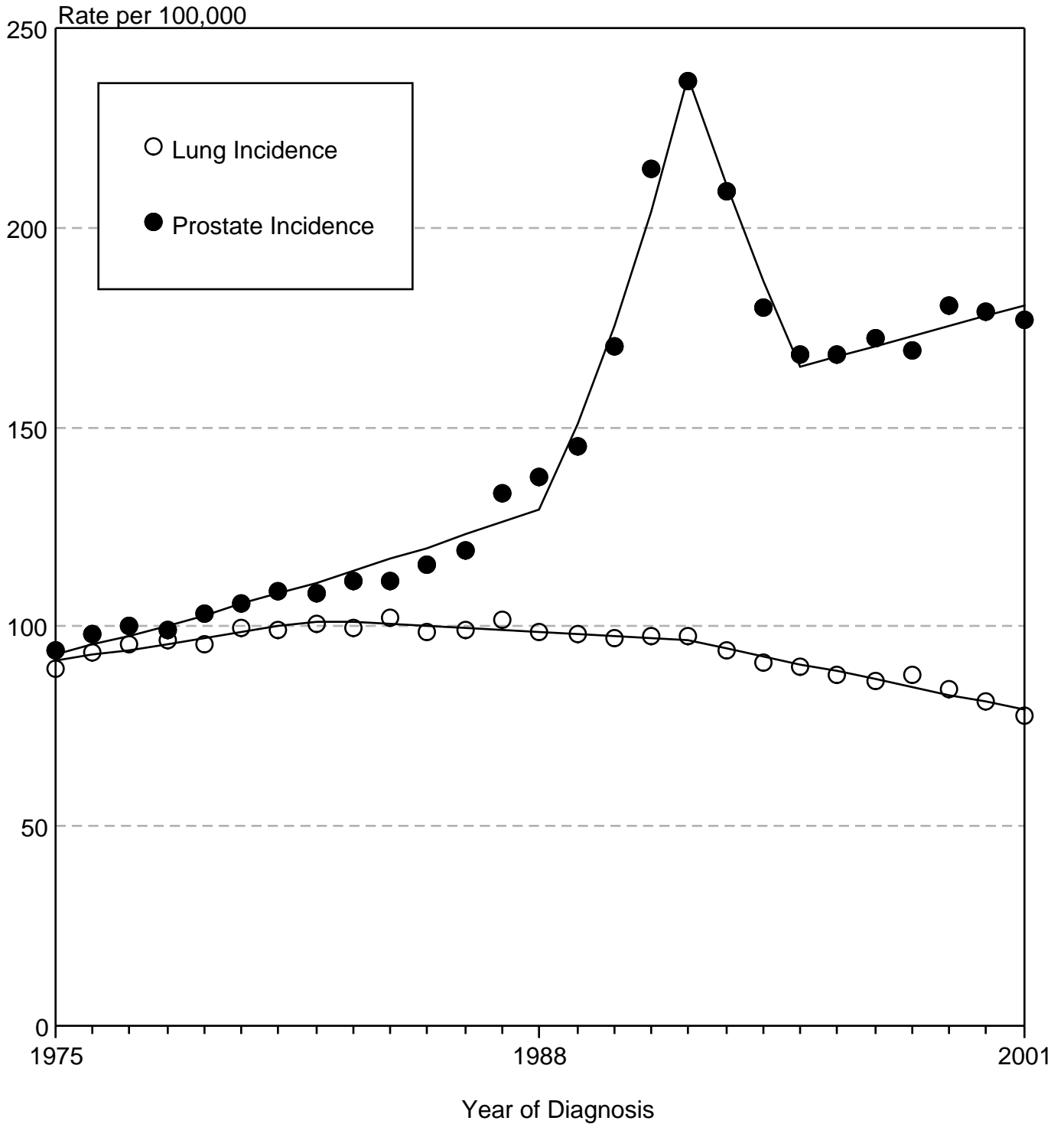- ■ Incidence
- ■ Mortality

Year of Diagnosis/Death

+ 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.

Figure XXII-3

Prostate Cancer
SEER Incidence & US Mortality
1975-2001

Rate per 100,000

White Incidence

Black Incidence

White Mortality

Black Mortality

Incidence

Mortality

1975

1988

2001

Year of Diagnosis/Death

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.

Figure XXII-4

Prostate vs Lung Cancer Incidence
All Races, Males
1975-2001

Rate per 100,000

○ Lung Incidence

● Prostate Incidence

Year of Diagnosis

Source: SEER 9 areas. 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.