

Table XXIII-1
PROSTATE CANCER (Invasive)

TRENDS IN SEER INCIDENCE^a AND U.S. MORTALITY^b USING THE JOINTPOINT REGRESSION PROGRAM, 1975-2004
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
<u>SEER Cancer Incidence^a</u>									
All Races	All Ages	1975-1988	2.6*	1988-1992	16.2*	1992-1995	-10.1*	1995-2004	0.1
All Races	Under 65	1975-1988	3.1*	1988-1992	23.4*	1992-2002	3.2*	2002-2004	-4.5
All Races	65 and Over	1975-1988	2.5*	1988-1992	14.8*	1992-1995	-13.5*	1995-2004	-0.8
White	All Ages	1975-1988	2.8*	1988-1992	16.0*	1992-1995	-11.0*	1995-2004	0.3
White	Under 65	1975-1988	3.5*	1988-1992	23.1*	1992-2002	3.0*	2002-2004	-4.6
White	65 and Over	1975-1987	2.2*	1987-1992	12.6*	1992-1995	-13.9*	1995-2004	-0.6
Black	All Ages	1975-1989	2.1*	1989-1992	19.5*	1992-2004	-2.2*		
Black	Under 65	1975-1989	2.0*	1989-1993	25.8*	1993-2002	2.6*	2002-2004	-6.1
Black	65 and Over	1975-1989	2.0*	1989-1992	20.0*	1992-1995	-9.0	1995-2004	-2.9*
<u>SEER Delay-Adjusted Incidence^a</u>									
All Races	All Ages	1975-1988	2.6*	1988-1992	16.2*	1992-1995	-10.2*	1995-2004	0.4
All Races	Under 65	1975-1988	3.1*	1988-1992	23.4*	1992-2002	3.3*	2002-2004	-3.6
All Races	65 and Over	1975-1988	2.5*	1988-1992	14.9*	1992-1995	-13.6*	1995-2004	-0.5
White	All Ages	1975-1988	2.8*	1988-1992	16.1*	1992-1995	-11.1*	1995-2004	0.8
White	Under 65	1975-1988	3.5*	1988-1992	23.1*	1992-2002	3.3*	2002-2004	-3.0
White	65 and Over	1975-1987	2.3*	1987-1992	12.7*	1992-1995	-14.0*	1995-2004	0.0
Black	All Ages	1975-1989	2.0*	1989-1992	21.9*	1992-1995	-5.1	1995-2004	-0.8
Black	Under 65	1975-1989	2.0*	1989-1993	25.8*	1993-2002	3.0*	2002-2004	-4.1
Black	65 and Over	1975-1989	2.0*	1989-1992	20.2*	1992-1995	-9.0	1995-2004	-2.2*
<u>U.S. Cancer Mortality^b</u>									
All Races	All Ages	1975-1987	0.9*	1987-1991	3.0*	1991-1994	-0.5	1994-2004	-4.1*
All Races	Under 65	1975-1987	0.5*	1987-1990	3.4	1990-2004	-3.8*		
All Races	65 and Over	1975-1987	0.9*	1987-1991	3.1*	1991-1994	-0.3	1994-2004	-4.1*
White	All Ages	1975-1987	0.8*	1987-1991	3.1*	1991-1994	-0.9	1994-2004	-4.1*
White	Under 65	1975-1987	0.7*	1987-1990	3.7	1990-2001	-4.4*	2001-2004	-1.5
White	65 and Over	1975-1987	0.8*	1987-1991	3.2*	1991-1994	-0.6	1994-2004	-4.1*
Black	All Ages	1975-1988	1.9*	1988-1993	3.3*	1993-2001	-2.7*	2001-2004	-6.0*
Black	Under 65	1975-1992	0.5*	1992-2004	-3.0*				
Black	65 and Over	1975-1988	2.1*	1988-1993	3.5*	1993-2001	-2.6*	2001-2004	-6.3*

Joinpoint Regression Program Version 3.0, April 2005, National Cancer Institute. (<http://srab.cancer.gov/joinpoint/>).

The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^a Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

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

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

Table XXIII-2
PROSTATE CANCER (Invasive)

AGE ADJUSTED SEER INCIDENCE^a RATES BY YEAR, RACE AND AGE

	All Races, Males			White Males			Black Males		
	All	<65	65+	All	<65	65+	All	<65	65+
<u>SEER INCIDENCE RATES</u>									
YEAR OF DIAGNOSIS:									
1975	94.0	13.6	649.5	92.2	13.0	639.6	141.0	26.8	930.5
1976	97.9	14.6	674.1	97.3	13.9	673.9	140.8	29.4	910.9
1977	100.5	15.0	691.0	98.6	14.4	680.7	159.2	29.2	1,057.2
1978	99.4	15.2	681.2	97.7	14.8	671.1	148.1	26.8	986.4
1979	103.4	14.9	715.3	102.3	14.6	708.4	162.2	26.2	1,102.1
1980	106.0	15.5	731.7	104.9	14.6	729.1	161.0	33.6	1,041.4
1981	108.9	16.8	745.5	107.9	15.9	743.6	161.7	34.4	1,041.9
1982	108.2	16.3	743.3	107.3	15.7	740.1	167.6	31.3	1,109.8
1983	111.6	17.1	764.6	110.8	16.6	762.2	170.8	34.1	1,116.4
1984	111.7	17.2	764.4	110.1	16.2	759.0	178.8	37.1	1,158.1
1985	115.5	17.8	790.5	114.6	17.5	785.6	170.2	31.4	1,129.4
1986	119.0	18.5	813.8	119.0	18.2	815.2	168.0	33.8	1,095.3
1987	133.6	21.5	908.7	134.4	21.1	917.8	189.2	36.1	1,247.6
1988	137.6	22.2	935.3	138.7	22.3	943.1	190.1	34.6	1,264.9
1989	145.3	24.1	983.0	146.0	23.9	989.7	192.0	37.3	1,261.3
1990	170.8	28.7	1,153.0	172.6	28.8	1,166.7	221.4	44.3	1,446.0
1991	214.6	38.8	1,429.5	216.1	39.2	1,439.3	288.5	57.2	1,887.7
1992	237.1	49.3	1,534.6	237.8	49.4	1,540.2	327.9	77.0	2,062.0
1993	209.1	50.4	1,306.3	204.1	49.0	1,276.2	343.1	93.6	2,067.8
1994	180.0	48.5	1,088.9	174.0	46.8	1,053.5	311.5	94.2	1,813.6
1995	168.6	49.9	989.5	163.7	48.0	963.6	279.8	97.7	1,538.1
1996	168.6	53.2	966.5	164.1	51.7	941.1	281.1	100.1	1,532.6
1997	172.7	55.0	986.6	169.0	53.8	965.2	279.7	96.1	1,548.9
1998	169.8	54.7	965.8	166.0	52.8	948.9	282.1	101.6	1,529.9
1999	182.5	60.6	1,024.8	177.7	58.8	1,000.0	286.7	110.4	1,505.6
2000	181.3	61.4	1,009.9	177.5	59.5	993.5	287.9	112.7	1,498.8
2001	182.8	63.8	1,005.4	180.8	61.9	1,002.4	265.8	113.0	1,322.1
2002	179.6	64.5	975.5	176.5	62.7	963.1	282.2	115.1	1,437.4
2003	166.6	60.6	898.9	162.3	58.1	882.5	252.2	113.4	1,211.8
2004	159.5	59.5	850.8	155.3	57.4	832.2	238.2	100.8	1,187.6
1975-2004	150.7	37.3	934.9	147.9	35.7	923.3	232.4	69.8	1,356.4

^a SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XXIII-3
PROSTATE CANCER (Invasive)

AGE ADJUSTED U.S. DEATH^a RATES BY YEAR, RACE AND AGE

	All Races, Males			White Males			Black Males		
	All	<65	65+	All	<65	65+	All	<65	65+
<u>U.S. DEATH RATES</u>									
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	34.2	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	226.1	27.7	1.7	207.7	68.7	5.4	505.9
2001	29.2	1.9	217.4	26.7	1.6	199.7	66.5	5.4	489.0
2002	28.2	1.9	209.7	25.9	1.6	193.9	63.0	5.4	461.3
2003	26.6	1.9	197.0	24.5	1.6	182.7	58.0	5.4	421.4
2004	25.4	1.8	188.7	23.4	1.6	174.6	56.1	5.0	409.5
1975-2004	33.6	2.5	248.4	31.1	2.2	231.0	68.4	6.5	496.7

^a NCHS public use data file for the total US. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XXIII-4
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
<u>AGE-ADJUSTED RATES, 2000-2004</u>						
AGE AT DIAGNOSIS/DEATH:						
All ages	168.0	161.4	255.5	27.9	25.6	62.3
Under 65	58.5	56.1	103.3	1.9	1.6	5.3
65 and over	924.6	889.3	1,307.4	207.2	191.3	456.1
All ages(IARC world std) ^c	112.1	108.0	175.3	12.0	10.8	28.1
<u>AGE-SPECIFIC RATES, 2000-2004</u>						
AGE AT DIAGNOSIS/DEATH:						
<1	-	-	-	-	-	-
1-4	-	-	-	-	-	-
5-9	-	-	-	-	-	-
10-14	-	-	-	-	-	-
15-19	-	-	-	-	-	-
20-24	-	-	-	-	-	-
25-29	-	-	-	-	-	-
30-34	-	-	-	-	-	-
35-39	0.7	0.6	1.6	0.0	-	-
40-44	8.2	7.1	20.7	0.2	0.2	0.5
45-49	39.2	35.4	87.0	0.9	0.7	2.7
50-54	137.9	131.0	259.7	3.3	2.7	9.5
55-59	334.5	320.3	602.0	9.2	7.7	26.0
60-64	584.9	568.4	945.9	24.0	20.4	65.5
65-69	905.4	883.0	1,353.6	52.0	45.2	134.3
70-74	1,021.2	992.9	1,428.3	102.3	90.5	265.7
75-79	1,018.0	972.4	1,397.7	191.1	173.2	465.0
80-84	837.0	780.3	1,145.6	337.3	312.3	762.5
85+	707.6	671.5	987.0	643.5	612.8	1,188.9

^a SEER 17 areas. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130), unless noted.

^b NCHS public use data file for the total US. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130), 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 16 cases for the time interval.

Table XXIII-5
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+
<u>5-YR RELATIVE SURVIVAL RATES</u>									
YEAR OF DIAGNOSIS:									
1960-1963 ^a	-	-	-	50	-	-	35	-	-
1970-1973 ^a	-	-	-	63	-	-	55	-	-
1975-1977 ^b	68.9	73.4	67.2	69.8	75.2	67.8	61.3	61.9	61.0
1978-1980 ^b	72.0	75.7	70.6	73.2	77.2	71.8	62.8	65.3	61.5
1981-1983 ^b	73.8	76.4	72.8	75.0	78.0	73.9	63.7	65.4	62.9
1984-1986 ^b	76.1	77.4	75.6	77.3	79.1	76.8	66.3	67.3	65.8
1987-1989 ^b	83.9	83.3	84.0	85.4	84.8	85.6	72.2	72.7	72.0
1990-1992 ^b	94.2	93.4	94.4	95.3	94.4	95.5	85.5	86.9	84.8
1993-1995 ^b	95.4	95.8	95.2	96.1	96.5	96.0	91.4	92.9	90.3
1996-2003 ^b	98.5 ^e	99.0 ^e	98.6 ^e	99.0 ^e	99.4 ^e	99.1 ^e	95.3 ^e	97.8 ^e	93.6 ^e
<u>5-YR PERIOD SURVIVAL RATES^{cd}</u>									
YEAR OF DIAGNOSIS:									
1996-2003	99.4	99.0	99.6	99.8	99.4	99.7	95.8	97.6	93.9
<u>STAGE DISTRIBUTION (%) 1996-2003^c</u>									
All Stages									
Number of cases	277,571	99,627	177,944	221,200	77,891	143,309	34,802	15,983	18,819
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized/Regional	91	95	89	92	95	90	89	93	85
Distant	5	3	5	4	3	5	6	5	8
Unstaged	4	2	6	4	2	5	5	3	7
<u>5-YR RELATIVE SURVIVAL RATES, 1996-2003^c</u>									
AGE AT DIAGNOSIS:									
<45	93.6	-	-	93.2	-	-	94.4	-	-
45-54	97.3	-	-	97.5	-	-	96.0	-	-
55-64	99.3	-	-	99.6	-	-	97.8	-	-
65-74	100.0	-	-	100.0	-	-	96.2	-	-
75+	94.8	-	-	95.2	-	-	85.7	-	-
Under 65	98.7	-	-	99.1	-	-	97.2	-	-
65 and over	98.7	-	-	99.2	-	-	93.2	-	-
STAGE:									
All Stages	98.4	98.7	98.7	98.9	99.1	99.2	94.9	97.2	93.2
Localized/Regional	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Distant	31.9	32.3	31.8	30.7	32.4	30.2	29.8	27.7	31.2
Unstaged	79.1	88.3	76.5	78.2	89.1	75.3	72.6	82.8	67.9

^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 (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Rates are based on follow-up of patients into 2004.

^c Rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey contribute cases for diagnosis years 2000-2003. The remaining 13 SEER Areas contribute cases for the entire period 1996-2003. Rates are based on follow-up of patients into 2004.

^d Period survival provides a more up-to-date estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three calendar year blocks (2001-2003: 0-1 year survival), (2000-2002: 1-2 year survival), (1999-2001: 2-3 year survival), (1998-2000: 3-4 year survival), (1997-1999: 4-5 years survival).

^e The difference in rates between 1975-1977 and 1996-2003 is statistically significant ($p < .05$).

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

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

- Statistic could not be calculated due to fewer than 16 cases during the time period.

Table XXIII-6
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	2001	2002	2003
Relative Survival Rates (SEER ^b)																					
1-year	91.9	94.2	95.0	95.0	95.6	96.4	97.0	97.7	99.0	99.6	99.6	99.5	99.0	99.1	99.3	99.5	99.7	99.9	100.0	99.9	99.9
2-year	85.2	88.5	88.7	89.5	91.6	92.9	93.9	95.0	97.7	98.8	98.8	98.5	97.7	97.9	98.7	98.9	99.6	99.6	100.0	99.9	
3-year	79.1	82.8	83.7	84.4	87.4	89.1	90.6	92.9	96.6	98.5	97.6	97.0	96.8	97.2	98.3	98.4	99.6	99.3	100.0		
4-year	74.2	77.9	79.3	80.6	84.1	86.4	88.3	91.1	95.5	98.0	96.8	95.7	96.1	96.6	97.9	98.3	99.3	99.2			
5-year	70.1	73.6	75.8	78.0	81.2	84.1	85.9	90.0	94.1	96.9	95.7	94.9	95.5	96.3	97.6	98.3	99.3				
6-year	67.0	70.2	73.0	75.0	79.0	82.0	84.0	88.6	92.4	95.5	94.8	94.1	95.2	96.0	97.5	98.3					
7-year	63.8	66.8	70.9	73.0	76.6	79.2	82.2	86.1	91.5	94.3	93.6	93.2	94.9	95.5	97.5						
8-year	60.9	64.0	68.6	71.6	74.8	77.4	80.4	84.4	90.2	93.0	93.0	92.7	94.8	95.4							
9-year	58.4	62.0	66.7	69.3	73.0	75.5	78.5	83.1	89.1	92.1	91.8	92.1	94.7								
10-year	56.1	60.4	64.7	67.2	71.1	73.7	77.2	81.3	88.2	91.1	91.0	91.9									
11-year	53.7	58.5	62.2	65.4	69.1	72.8	75.9	79.8	86.9	90.6	90.8										
12-year	51.7	56.7	59.6	63.2	67.8	70.6	74.4	79.0	86.3	90.1											
13-year	50.1	55.2	58.3	61.8	66.3	68.7	72.6	78.5	85.5												
14-year	48.6	53.7	55.7	60.5	65.1	68.3	71.2	77.6													
15-year	47.7	52.6	53.8	58.4	64.0	67.3	69.6														
16-year	46.2	50.7	51.5	57.1	63.0	66.2															
17-year	44.8	49.6	50.7	57.1	62.6																
18-year	43.5	48.4	50.0	56.6																	
19-year	42.9	47.2	49.6																		
20-year	42.0	45.8																			

^a

Survival rates are relative rates expressed as percents.

^b

Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Table XXIII-7
PROSTATE CANCER (Invasive)

Risk of Being Diagnosed With Cancer in 10, 20 and 30 Years, Lifetime Risk of Being Diagnosed with Cancer, and
Lifetime Risk of Dying from Cancer Given Cancer Free At Current Age
2002-2004 By Race/Ethnicity

Race/ Ethnicity	Current Age	Risk of Being Diagnosed with Cancer						Risk of Dying from Cancer	
		+10 yrs		+20 yrs		+30 yrs		Eventually	
		Percent (95% C.I.)		Percent (95% C.I.)		Percent (95% C.I.)		Percent (95% C.I.)	
All Races	0	0.00 (0.00, 0.00)		0.00 (0.00, 0.00)		0.00 (0.00, 0.00)		16.72 (16.63, 16.81)	2.87 (2.85, 2.89)
	10	0.00 (0.00, 0.00)		0.00 (0.00, 0.00)		0.01 (0.01, 0.01)		16.95 (16.86, 17.04)	2.92 (2.90, 2.94)
	20	0.00 (0.00, 0.00)		0.01 (0.01, 0.01)		0.29 (0.29, 0.30)		17.04 (16.95, 17.13)	2.94 (2.92, 2.96)
	30	0.01 (0.01, 0.01)		0.30 (0.29, 0.30)		2.51 (2.49, 2.53)		17.27 (17.18, 17.36)	2.98 (2.96, 3.00)
	40	0.29 (0.29, 0.30)		2.54 (2.52, 2.57)		8.49 (8.43, 8.54)		17.55 (17.46, 17.65)	3.03 (3.01, 3.05)
	50	2.34 (2.32, 2.36)		8.52 (8.46, 8.58)		14.86 (14.78, 14.94)		17.94 (17.85, 18.04)	3.14 (3.12, 3.16)
	60	6.83 (6.78, 6.88)		13.84 (13.76, 13.92)		16.71 (16.62, 16.81)		17.25 (17.15, 17.35)	3.34 (3.31, 3.36)
	70	8.98 (8.91, 9.05)		12.66 (12.57, 12.76)		- (- , -)		13.36 (13.25, 13.46)	3.60 (3.57, 3.63)
	80	6.26 (6.18, 6.34)		- (- , -)		- (- , -)		7.44 (7.34, 7.54)	3.82 (3.78, 3.85)
White	0	0.00 (0.00, 0.00)		0.00 (0.00, 0.00)		0.00 (0.00, 0.00)		16.15 (16.06, 16.25)	2.70 (2.68, 2.72)
	10	0.00 (0.00, 0.00)		0.00 (0.00, 0.00)		0.01 (0.01, 0.01)		16.34 (16.25, 16.44)	2.73 (2.71, 2.75)
	20	0.00 (0.00, 0.00)		0.01 (0.01, 0.01)		0.27 (0.26, 0.27)		16.43 (16.34, 16.53)	2.75 (2.73, 2.77)
	30	0.01 (0.01, 0.01)		0.27 (0.26, 0.28)		2.39 (2.37, 2.42)		16.63 (16.53, 16.73)	2.78 (2.76, 2.80)
	40	0.27 (0.26, 0.27)		2.42 (2.40, 2.45)		8.23 (8.17, 8.29)		16.89 (16.79, 16.99)	2.83 (2.81, 2.85)
	50	2.24 (2.21, 2.26)		8.27 (8.20, 8.33)		14.39 (14.30, 14.47)		17.25 (17.15, 17.35)	2.93 (2.90, 2.95)
	60	6.63 (6.57, 6.69)		13.37 (13.27, 13.46)		16.03 (15.92, 16.13)		16.52 (16.41, 16.62)	3.10 (3.08, 3.12)
	70	8.58 (8.50, 8.66)		11.97 (11.87, 12.07)		- (- , -)		12.59 (12.49, 12.70)	3.34 (3.32, 3.37)
	80	5.75 (5.67, 5.84)		- (- , -)		- (- , -)		6.81 (6.71, 6.92)	3.57 (3.54, 3.61)
Black	0	0.00 (0.00, 0.00)		0.00 (0.00, 0.00)		0.00 (0.00, 0.00)		19.43 (19.13, 19.74)	4.50 (4.43, 4.58)
	10	0.00 (0.00, 0.00)		0.00 (0.00, 0.00)		0.02 (0.02, 0.03)		19.95 (19.64, 20.27)	4.63 (4.55, 4.71)
	20	0.00 (0.00, 0.00)		0.02 (0.02, 0.03)		0.61 (0.58, 0.63)		20.13 (19.82, 20.45)	4.67 (4.59, 4.75)
	30	0.02 (0.02, 0.03)		0.62 (0.59, 0.65)		4.30 (4.20, 4.40)		20.63 (20.31, 20.96)	4.78 (4.70, 4.86)
	40	0.62 (0.59, 0.65)		4.41 (4.31, 4.52)		12.23 (12.02, 12.44)		21.28 (20.95, 21.61)	4.93 (4.85, 5.01)
	50	4.08 (3.97, 4.18)		12.46 (12.24, 12.68)		19.30 (18.99, 19.61)		22.18 (21.83, 22.53)	5.24 (5.16, 5.33)
	60	10.13 (9.91, 10.35)		18.39 (18.05, 18.72)		21.31 (20.94, 21.69)		21.86 (21.47, 22.26)	5.87 (5.77, 5.97)
	70	12.32 (12.00, 12.66)		16.69 (16.28, 17.11)		- (- , -)		17.52 (17.07, 17.97)	6.69 (6.57, 6.82)
	80	9.07 (8.64, 9.52)		- (- , -)		- (- , -)		10.78 (10.25, 11.35)	7.33 (7.15, 7.52)

Devcan Version 6.2.0, April 2006, National Cancer Institute (<http://srab.cancer.gov/devcan/>).

Source: Incidence data are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Mortality data are from the NCHS public use data file for the total US.

- Statistic could not be calculated.

A percent or confidence interval value of 0.00 represents a value that is below 0.005.

Table XXIII-7 - continued
PROSTATE CANCER (Invasive)

Risk of Being Diagnosed With Cancer in 10, 20 and 30 Years, Lifetime Risk of Being Diagnosed with Cancer, and
 Lifetime Risk of Dying from Cancer Given Cancer Free At Current Age
 2002-2004 By Race/Ethnicity

Race/ Ethnicity	Current Age	Risk of Being Diagnosed with Cancer						Risk of Dying from Cancer			
		+10 yrs		+20 yrs		+30 yrs		Eventually		Eventually	
		Percent	(95% C.I.)	Percent	(95% C.I.)	Percent	(95% C.I.)	Percent	(95% C.I.)	Percent	(95% C.I.)
Asian/ Pacific Islander	0	0.00	(0.00, 0.00)	0.00	(0.00, 0.00)	0.00	(0.00, 0.00)	12.52	(12.18, 12.88)	2.29	(2.10, 2.50)
	10	0.00	(0.00, 0.00)	0.00	(0.00, 0.00)	0.00	(0.00, 0.01)	12.65	(12.30, 13.01)	2.31	(2.12, 2.52)
	20	0.00	(0.00, 0.00)	0.00	(0.00, 0.01)	0.09	(0.08, 0.11)	12.69	(12.35, 13.05)	2.32	(2.13, 2.53)
	30	0.00	(0.00, 0.01)	0.09	(0.08, 0.11)	0.93	(0.89, 0.98)	12.77	(12.43, 13.13)	2.33	(2.14, 2.54)
	40	0.09	(0.08, 0.10)	0.94	(0.89, 0.99)	4.33	(4.19, 4.47)	12.87	(12.52, 13.23)	2.35	(2.15, 2.56)
	50	0.86	(0.82, 0.91)	4.32	(4.18, 4.47)	9.35	(9.11, 9.59)	13.02	(12.66, 13.39)	2.38	(2.19, 2.60)
	60	3.64	(3.51, 3.77)	8.93	(8.69, 9.18)	11.90	(11.59, 12.22)	12.79	(12.43, 13.18)	2.45	(2.25, 2.68)
	70	6.10	(5.89, 6.32)	9.53	(9.22, 9.85)	-	(- , -)	10.55	(10.17, 10.96)	2.59	(2.36, 2.83)
80	4.82	(4.55, 5.11)	-	(- , -)	-	(- , -)	6.27	(5.86, 6.72)	2.72	(2.44, 3.03)	
American Indian/ Alaska Native ^a	0	0.00	(0.00, 0.04)	0.00	(0.00, 0.04)	0.00	(0.00, 0.04)	6.99	(6.14, 8.15)	2.18	(1.82, 2.62)
	10	0.00	(0.00, 0.02)	0.00	(0.00, 0.02)	0.00	(0.00, 0.03)	7.13	(6.26, 8.32)	2.22	(1.86, 2.68)
	20	0.00	(0.00, 0.02)	0.00	(0.00, 0.03)	0.09	(0.05, 0.14)	7.20	(6.33, 8.41)	2.25	(1.88, 2.71)
	30	0.00	(0.00, 0.03)	0.09	(0.05, 0.14)	0.93	(0.76, 1.13)	7.38	(6.48, 8.61)	2.31	(1.93, 2.78)
	40	0.09	(0.05, 0.15)	0.96	(0.78, 1.17)	3.40	(2.96, 3.89)	7.65	(6.72, 8.92)	2.40	(2.00, 2.89)
	50	0.92	(0.74, 1.12)	3.49	(3.03, 4.00)	6.03	(5.33, 6.81)	7.96	(6.98, 9.30)	2.55	(2.13, 3.07)
	60	2.83	(2.40, 3.33)	5.63	(4.90, 6.45)	7.28	(6.34, 8.34)	7.76	(6.71, 9.21)	2.79	(2.33, 3.38)
	70	3.45	(2.82, 4.18)	5.47	(4.53, 6.59)	-	(- , -)	6.07	(4.97, 7.71)	3.14	(2.58, 3.86)
80	3.16	(2.24, 4.37)	-	(- , -)	-	(- , -)	4.08	(2.83, 6.30)	3.41	(2.62, 4.47)	
Hispanic ^b	0	0.00	(0.00, 0.00)	0.00	(0.00, 0.00)	0.00	(0.00, 0.00)	16.25	(15.90, 16.62)	3.19	(3.05, 3.33)
	10	0.00	(0.00, 0.00)	0.00	(0.00, 0.00)	0.00	(0.00, 0.01)	16.45	(16.10, 16.82)	3.23	(3.09, 3.37)
	20	0.00	(0.00, 0.00)	0.00	(0.00, 0.01)	0.17	(0.16, 0.19)	16.55	(16.19, 16.92)	3.25	(3.11, 3.39)
	30	0.00	(0.00, 0.01)	0.18	(0.16, 0.19)	1.67	(1.61, 1.72)	16.74	(16.38, 17.12)	3.28	(3.15, 3.43)
	40	0.17	(0.16, 0.19)	1.68	(1.63, 1.74)	6.76	(6.61, 6.92)	16.97	(16.61, 17.36)	3.33	(3.19, 3.48)
	50	1.56	(1.50, 1.61)	6.80	(6.65, 6.96)	13.20	(12.95, 13.46)	17.34	(16.96, 17.73)	3.43	(3.28, 3.58)
	60	5.68	(5.53, 5.83)	12.61	(12.35, 12.88)	16.01	(15.68, 16.35)	17.09	(16.69, 17.51)	3.61	(3.45, 3.77)
	70	8.46	(8.22, 8.70)	12.61	(12.27, 12.97)	-	(- , -)	13.93	(13.49, 14.39)	3.85	(3.68, 4.04)
80	6.40	(6.07, 6.75)	-	(- , -)	-	(- , -)	8.42	(7.90, 8.99)	4.07	(3.84, 4.32)	

Devcan Version 6.2.0, April 2006, National Cancer Institute (<http://srab.cancer.gov/devcan/>).

Source: Incidence data are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Mortality data are from the NCHS public use data file for the total US.

^a Underlying incidence and mortality data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

^b Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Underlying incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. Underlying mortality data for Hispanics exclude deaths from Minnesota, New Hampshire and North Dakota.

- Statistic could not be calculated.

A percent or confidence interval value of 0.00 represents a value that is below 0.005.

Table XXIII-8
PROSTATE CANCER (Invasive)

SEER INCIDENCE AND U.S. MORTALITY
AGE-ADJUSTED RATES AND TRENDS^a
By Race/Ethnicity

SEER Incidence

RACE/ETHNICITY	Rate 2000-2004 ^b Rate per 100,000 persons	Trend 1995-2004 ^c APC (%)
	Males	Males
All Races	168.0	-0.2
White	161.4	-0.1
White Hispanic ^d	139.7	-0.2
White Non-Hispanic ^d	166.6	0.0
Black	255.5	-1.4*
Asian/Pacific Islander	96.5	0.2
Amer Ind/Alaska Nat ^e	68.2	-2.9
Hispanic ^d	140.8	-0.4

U.S. Mortality^f

RACE/ETHNICITY	Rate 2000-2004 Rate per 100,000 persons	Trend 1995-2004 APC (%)
	Males	Males
All Races	27.9	-4.1*
White	25.6	-4.1*
White Hispanic ^d	21.7	-3.4*
White Non-Hispanic ^d	25.6	-4.1*
Black	62.3	-3.7*
Asian/Pacific Islander	11.3	-5.0*
Amer Ind/Alaska Nat		
Total U.S.	18.0	-4.5*
CHSDA Counties	21.5	-2.3
Non-CHSDA Counties	13.3	-8.2*
Hispanic ^d	21.2	-3.5*

- The APC is the Annual Percent Change over the time interval.
Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.
- ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- ^b Incidence data used in calculating the rates are from the 17 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).
- ^c Incidence data used in calculating the trends are from the 13 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia).
- ^d 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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2000-2004 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1995-2004 Hispanic and Non-Hispanic mortality trends exclude deaths from Maine, Minnesota, New Hampshire, North Dakota, and Oklahoma.
- ^e Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- ^f Mortality data are analyzed from a public use file provided by the National Center for Health Statistics (NCHS).
- * The APC is significantly different from zero (p<.05).

Table XXIII-9
PROSTATE CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES^a
By Registry, Race/Ethnicity and Age

	All Races			Whites			Blacks		
	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+
<u>SEER INCIDENCE RATES^a, 2000-2004</u>									
REGISTRY									
Atlanta & Rural Georgia	176.7	70.0	914.3	154.6	58.9	815.7	258.0	104.8	1317.1
Atlanta	177.3	70.2	917.2	155.6	59.3	821.3	260.4	105.6	1330.2
Rural Georgia	167.7	65.1	876.7	140.3	52.5	747.5	228.4	91.0	1178.3
California	156.9	53.9	868.5	152.3	53.2	837.5	234.3	102.9	1142.5
Greater Bay Area	162.7	57.8	888.3	169.9	60.8	923.5	213.2	99.6	998.6
San Francisco-Oakland	162.5	59.1	877.2	166.8	60.9	898.4	214.2	101.4	994.1
San Jose-Monterey	163.6	55.2	912.6	175.8	60.7	971.7	211.8	88.3	1065.1
Los Angeles	160.3	53.8	896.5	149.2	50.8	829.3	247.4	107.4	1215.4
Greater California	153.1	52.5	848.9	148.3	51.7	816.1	231.9	100.1	1143.4
Connecticut	174.2	65.1	928.5	169.0	61.4	912.9	241.4	112.2	1134.0
Detroit	218.7	80.4	1174.6	196.0	69.2	1071.8	307.6	123.5	1579.6
Hawaii	131.8	35.9	795.1	149.6	48.8	846.1	180.6	77.0	896.8
Iowa	151.1	49.6	852.8	147.3	47.8	834.9	185.5	87.1	866.1
Kentucky	149.2	49.7	836.8	140.5	45.7	796.1	236.6	94.2	1221.1
Louisiana	179.7	60.5	1003.3	161.0	52.8	909.1	240.0	84.3	1316.1
New Jersey	192.5	68.9	1046.7	181.0	64.6	985.7	280.1	108.7	1465.5
New Mexico	150.7	51.2	838.6	156.4	53.3	869.1	167.8	79.3	779.2
Seattle-Puget Sound	175.5	60.6	970.2	178.8	61.9	986.7	254.5	104.6	1290.6
Utah	186.3	62.7	1040.3	188.3	63.7	1049.5	196.9	110.1	797.0
9 SEER Areas ^b	173.8	61.9	947.0	170.3	59.8	933.8	264.6	110.8	1328.2
11 SEER Areas ^b	170.2	59.7	933.8	166.3	58.0	914.5	258.9	109.4	1292.3
13 SEER Areas ^b	170.0	59.6	932.7	166.2	58.0	914.0	258.5	109.2	1290.8
17 SEER Areas ^b	168.0	58.5	924.6	161.4	56.1	889.3	255.5	103.3	1307.4

^a Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130)

^b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XXIII-10
PROSTATE CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES^a
By Registry, Race/Ethnicity and Age

	All Races			Whites			Blacks		
	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+
<u>SEER DEATH RATES^a, 2000-2004</u>									
REGISTRY									
Atlanta & Rural Georgia	31.5	2.1	234.6	23.3	1.0	178.0	61.4	5.1	450.8
Atlanta	30.9	2.0	230.2	23.5	1.0	179.3	59.5	5.0	436.4
Rural Georgia	39.1	-	291.0	20.8	-	161.3	77.2	-	560.1
California	25.4	1.8	188.8	25.5	1.7	190.3	57.5	5.8	415.0
Greater Bay Area	24.3	1.4	182.4	25.0	1.4	187.9	60.6	4.7	446.9
San Francisco-Oakland	25.2	1.6	188.5	25.3	1.5	189.3	61.9	4.7	457.5
San Jose-Monterey	22.5	1.1	170.3	24.5	1.2	185.8	47.2	-	337.1
Los Angeles	24.6	2.0	181.2	23.9	1.7	177.0	56.2	6.0	402.7
Greater California	26.2	1.9	194.5	26.4	1.8	196.0	57.2	6.2	409.4
Connecticut	26.4	1.7	197.3	25.5	1.5	191.0	51.0	3.9	376.7
Detroit	29.3	2.1	217.2	24.4	1.6	182.0	52.3	4.3	383.9
Hawaii	19.6	1.2	146.7	31.4	1.9	235.7	-	-	-
Iowa	28.4	1.7	212.3	28.2	1.7	211.3	53.2	-	390.6
Kentucky	28.6	1.9	213.7	27.0	1.7	202.1	61.1	5.7	443.9
Louisiana	33.5	2.4	248.6	25.8	1.5	193.4	61.0	5.2	446.8
New Jersey	27.0	1.8	201.0	24.5	1.5	183.6	61.7	5.1	452.8
New Mexico	27.7	1.7	207.4	27.7	1.7	206.9	70.2	-	545.4
Seattle-Puget Sound	26.6	1.6	199.6	27.0	1.5	202.9	44.6	-	321.7
Utah	27.6	1.8	205.6	27.7	1.7	206.9	-	-	-
9 SEER Areas ^b	27.0	1.7	201.4	26.3	1.6	197.0	55.1	4.5	404.8
11 SEER Areas ^b	26.2	1.8	195.3	25.7	1.6	192.3	55.2	4.9	403.2
13 SEER Areas ^b	26.3	1.8	195.6	25.7	1.6	192.4	55.5	4.9	405.5
17 SEER Areas ^b	26.9	1.8	199.8	25.8	1.6	192.6	57.9	5.2	422.9
Total U.S.	27.9	1.9	207.2	25.6	1.6	191.3	62.3	5.3	456.1

^a NCHS public use data file for the total US. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XXIII-11
PROSTATE CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH^a RATES BY STATE, ALL RACES, 2000-2004

Males

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	27.9	0.07			Montana	29.0	1.21	(21)	3.9
High Five States					Nebraska	25.7	0.84	(46)	-7.9
District of Columbia	46.5 ^b	2.18	(01)	66.7 ^c	Nevada	27.7	0.92	(33)	-0.7
Mississippi	39.2 ^b	0.93	(02)	40.5 ^c	New Hampshire	29.2	1.13	(18)	4.7
Alabama	35.6 ^b	0.68	(03)	27.6 ^c	New Jersey	27.0	0.40	(39)	-3.2
South Carolina	34.5 ^b	0.73	(04)	23.7 ^c	New Mexico	27.7	0.92	(30)	-0.7
Louisiana	33.5 ^b	0.69	(05)	20.1 ^c	New York	27.2	0.27	(37)	-2.5
Low Five States					North Carolina	32.4 ^b	0.50	(07)	16.1 ^c
Missouri	25.6 ^b	0.48	(47)	-8.2	North Dakota	29.3	1.36	(17)	5.0
California	25.4 ^b	0.21	(48)	-9.0	Ohio	28.4	0.36	(25)	1.8
Arizona	25.3 ^b	0.49	(49)	-9.3	Oklahoma	26.5	0.64	(43)	-5.0
Florida	23.7 ^b	0.23	(50)	-15.1 ^c	Oregon	28.3	0.62	(26)	1.4
Hawaii	19.6 ^b	0.83	(51)	-29.7 ^c	Pennsylvania	27.7	0.31	(31)	-0.7
Alabama	35.6 ^b	0.68	(03)	27.6 ^c	Rhode Island	26.7	1.07	(42)	-4.3
Alaska	28.2	2.53	(27)	1.1	South Carolina	34.5 ^b	0.73	(04)	23.7 ^c
Arizona	25.3 ^b	0.49	(49)	-9.3	South Dakota	30.1	1.30	(14)	7.9
Arkansas	30.5	0.76	(10)	9.3	Tennessee	31.1 ^b	0.57	(09)	11.5 ^c
California	25.4 ^b	0.21	(48)	-9.0	Texas	27.0	0.30	(38)	-3.2
Colorado	27.3	0.66	(36)	-2.2	Utah	27.6	0.94	(34)	-1.1
Connecticut	26.4	0.59	(44)	-5.4	Vermont	28.1	1.54	(28)	0.7
Delaware	28.1	1.36	(29)	0.7	Virginia	31.2 ^b	0.52	(08)	11.8 ^c
District of Columbia	46.5 ^b	2.18	(01)	66.7 ^c	Washington	27.0	0.50	(40)	-3.2
Florida	23.7 ^b	0.23	(50)	-15.1 ^c	West Virginia	26.9	0.84	(41)	-3.6
Georgia	32.7 ^b	0.56	(06)	17.2 ^c	Wisconsin	29.6	0.52	(16)	6.1
Hawaii	19.6 ^b	0.83	(51)	-29.7 ^c	Wyoming	30.4	1.87	(11)	9.0
Idaho	30.1	1.11	(12)	7.9					
Illinois	29.2 ^b	0.36	(19)	4.7					
Indiana	29.1	0.52	(20)	4.3					
Iowa	28.4	0.64	(24)	1.8					
Kansas	25.9	0.68	(45)	-7.2					
Kentucky	28.6	0.65	(22)	2.5					
Louisiana	33.5 ^b	0.69	(05)	20.1 ^c					
Maine	28.5	1.02	(23)	2.2					
Maryland	29.9 ^b	0.58	(15)	7.2					
Massachusetts	27.4	0.46	(35)	-1.8					
Michigan	27.7	0.39	(32)	-0.7					
Minnesota	30.1 ^b	0.56	(13)	7.9					
Mississippi	39.2 ^b	0.93	(02)	40.5 ^c					
Missouri	25.6 ^b	0.48	(47)	-8.2					

^a NCHS public use data file. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^b Difference between state rate and total U.S. rate is statistically significant ($p \leq .0002$).

^c Absolute percent difference between state rate and total U.S. rate is 10% or more.

SE Standard error of the rate.

PD Percent difference between state rate and total U.S. rate.

Table XXIII-12
PROSTATE CANCER (Invasive)

Estimated United States Cancer Prevalence Counts^a on January 1, 2004
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 <14 ^e	0 to <29 ^e	>=29 ^g	Complete ^h
<u>Race</u>									
All Races ^b	942,369	618,932	358,847	73,754	20,826	1,889,390	2,020,336	4,153	2,024,489
White ^b	786,788	524,932	319,277	67,060	19,019	1,603,095	1,722,113	4,475	1,726,588
Black ^b	120,665	75,526	32,102	5,690	1,569	225,930	236,062	363	236,425
Asian/Pacific Islander ^c	15,620	8,169	+	+	+	27,161	+	+	+
Hispanic ^d	43,918	25,606	+	+	+	79,891	+	+	+

Estimated prevalence percent^a on January 1, 2004, of the SEER 11 population diagnosed in the previous 10 years
By Age at Prevalence and Race/Ethnicity

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</u>											
All Races ^c	0.9320%	-	-	0.0002%	0.0011%	0.0630%	0.8682%	4.1465%	8.6580%	7.7814%	1.1823%
White ^c	0.9691%	-	-	-	0.0010%	0.0561%	0.8380%	4.1273%	8.6232%	7.4719%	1.1639%
Black ^c	1.0358%	-	-	-	0.0018%	0.1570%	1.7295%	7.0469%	12.8348%	10.2270%	1.8386%
Asian/Pacific Islander ^c	0.4695%	-	-	-	-	0.0170%	0.2626%	1.6149%	4.9266%	5.9176%	0.6398%
Hispanic ^d	0.3185%	-	-	-	-	0.0303%	0.4931%	2.9006%	7.0766%	6.7356%	0.9225%

- ^a US 2004 cancer prevalence counts are based on 2004 cancer prevalence proportions from the SEER registries and 1/1/2004 US population estimates based on the average of 2003 and 2004 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 and Rural Georgia (d) NHIA for Hispanic for SEER 11 Areas and Rural Georgia.
- ^e Maximum limited-duration prevalence: 29 years for 1975-2004 SEER 9 data; 14 years for 1990-2004 SEER 11 data (used to calculate prevalence for Hispanics and Asian Pacific Islanders).
- ^f Percentages are age-adjusted to the 2000 US Standard Population (19 age groups - Census P25-1130) by 5-year age groups.
- ^{g h} (g) Cases diagnosed more than 29 years 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 <29 and >=29.
- 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^a Prostate Cancer, by Race

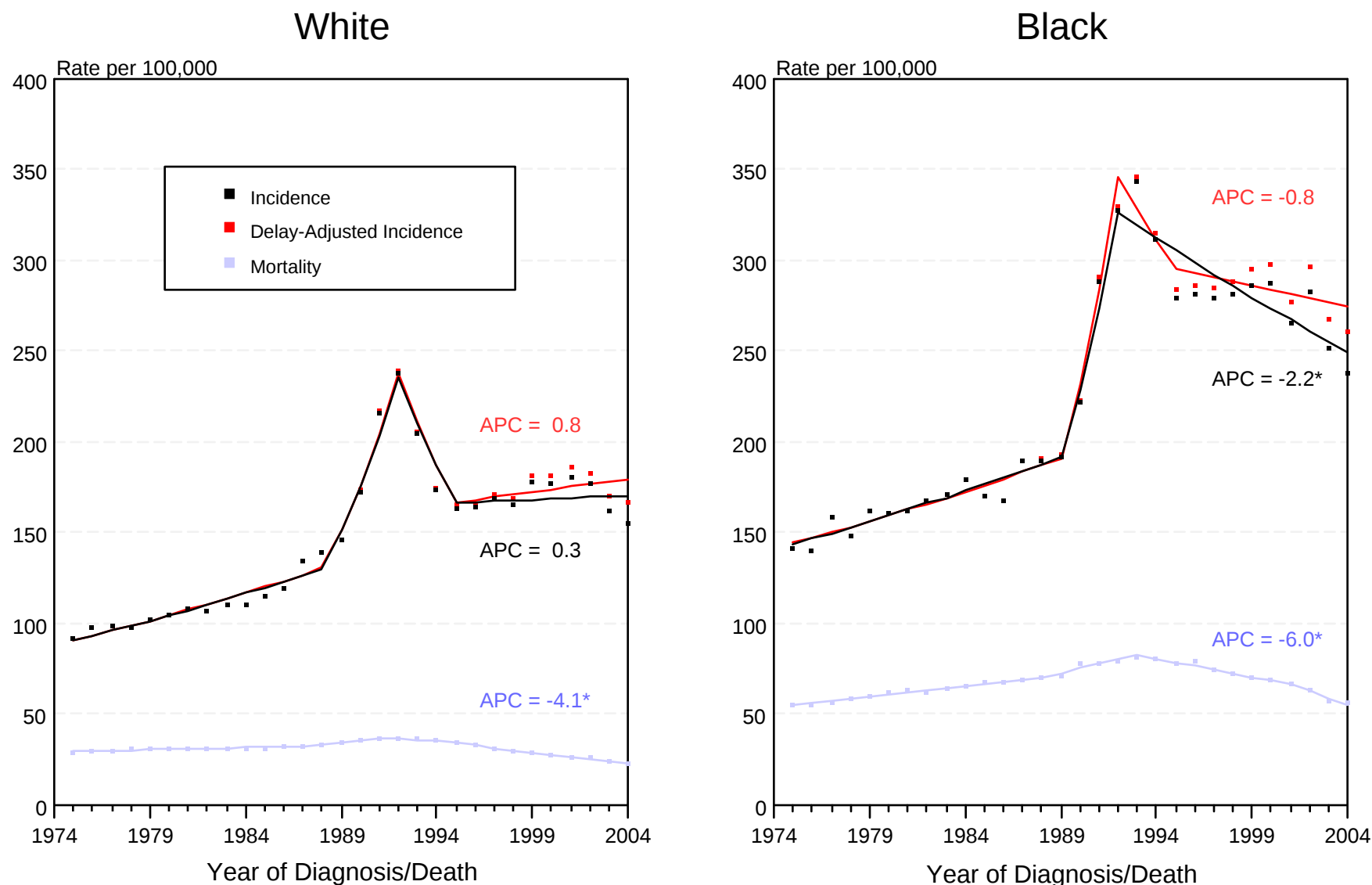


Figure XXII-1

^a Source: SEER 9 areas and NCHS public use data file for the total US. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.0, April 2005, 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, Delay Adjusted Incidence and US Death Rates^a Prostate Cancer, by Age and Race

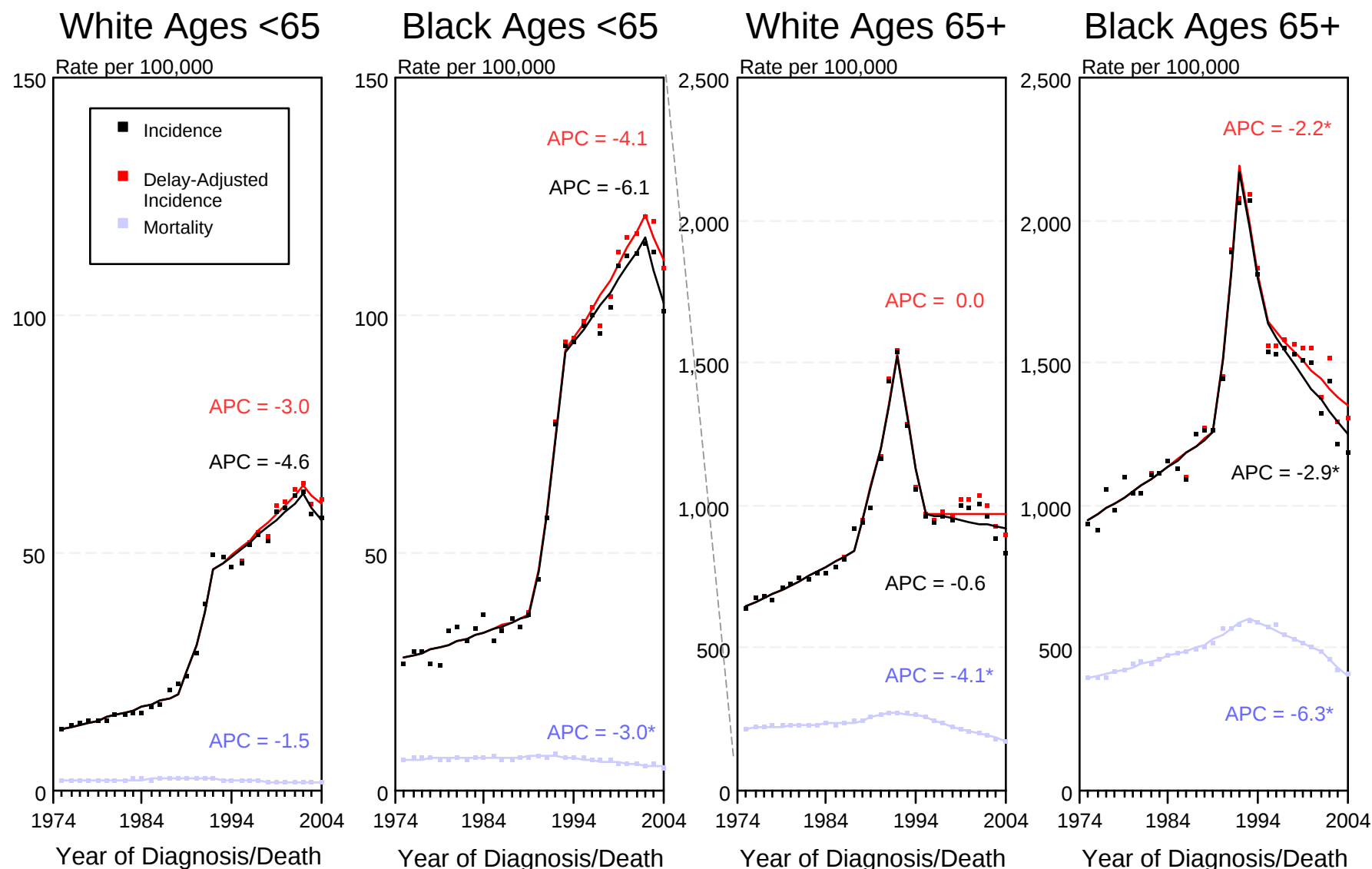


Figure XXII-2

^a Source: SEER 9 areas and NCHS public use data file for the total US. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.0, April 2005, 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^a Prostate Cancer

Joinpoint Analyses for Whites and Blacks from 1975-2004
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2004

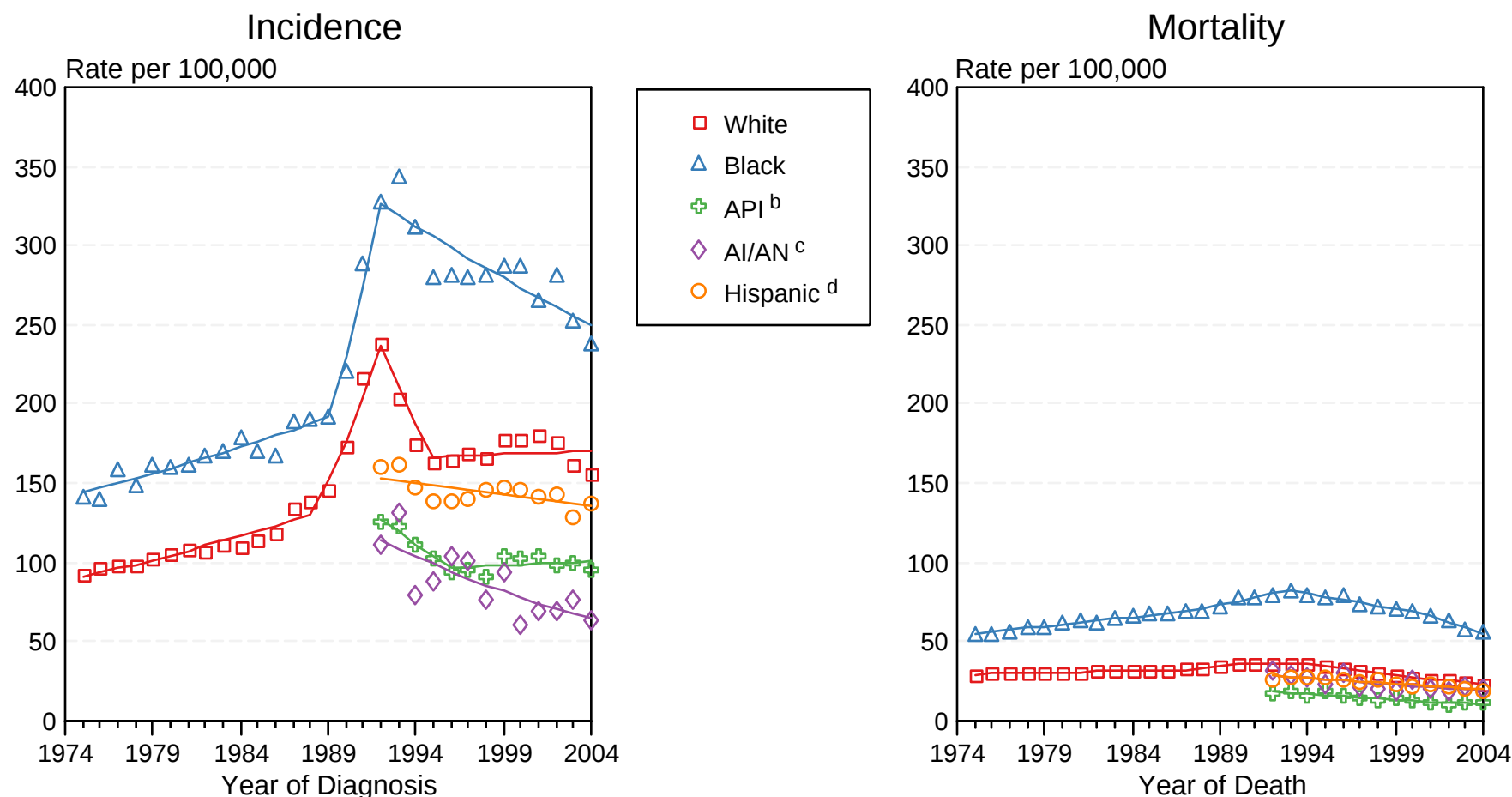


Figure XXIII-3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from NCHS public use data file for the total US.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.0, April 2005, National Cancer Institute.

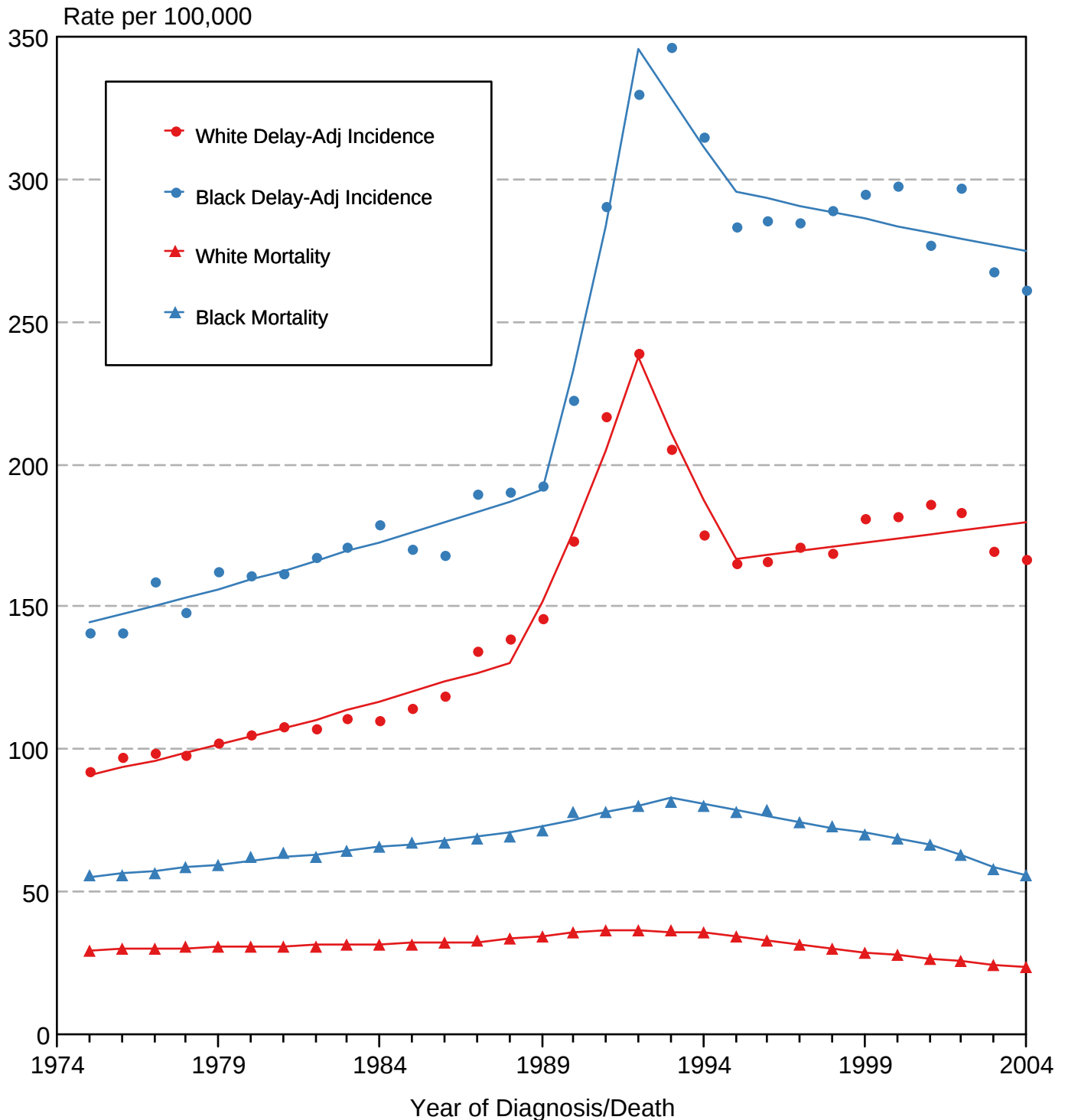
^b API = Asian/Pacific Islander.

^c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

^d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Prostate Cancer

Delay-Adjusted SEER Incidence & US Mortality 1975-2004

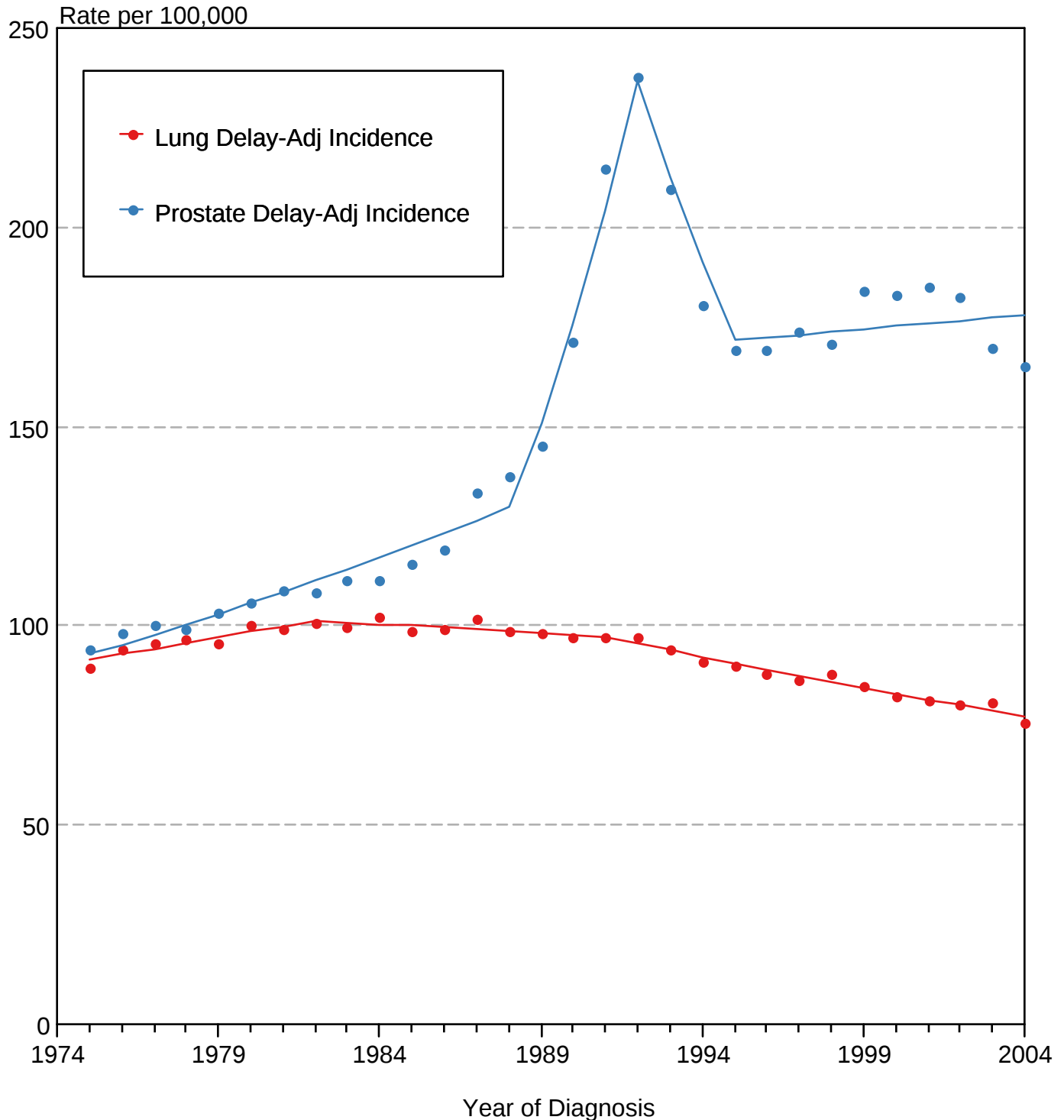


Source: SEER 9 areas and NCHS public use data file for the total US.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.0, April 2005, National Cancer Institute.

Prostate vs Lung Cancer Delay-Adjusted Incidence All Races, Males 1975-2004



Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines are calculated using the Joinpoint Regression Program Version 3.0, April 2005, National Cancer Institute.