

Table XXII-1  
PROSTATE CANCER (Invasive)

TRENDS IN SEER INCIDENCE<sup>a</sup> AND U.S. MORTALITY<sup>b</sup> USING THE JOINPOINT REGRESSION PROGRAM, 1973-1999  
WITH UP TO THREE JOINPOINTS BY RACE AND AGE

	<u>All Races</u>		<u>Whites</u>		<u>Blacks</u>	
	<u>Year</u>	<u>APC</u>	<u>Year</u>	<u>APC</u>	<u>Year</u>	<u>APC</u>
<u>SEER Cancer Incidence<sup>a</sup></u>						
Age - All Ages	1973-88	2.7★	1973-88	2.8★	1973-89	2.1★
	1988-92	16.2★	1988-92	16.1★	1989-92	20.6★
	1992-95	-11.7★	1992-95	-12.8★	1992-96	-5.7★
	1995-99	1.4	1995-99	1.6	1996-99	0.1
Age - Under 65	1973-85	2.8★	1973-88	3.6★	1973-89	2.0★
	1985-89	7.2★	1988-92	23.4★	1989-93	26.5★
	1989-92	26.4★	1992-99	2.4★	1993-99	2.3★
	1992-99	2.8★				
Age - 65 and Over	1973-88	2.6★	1973-88	2.7★	1973-89	2.1★
	1988-92	14.9★	1988-92	14.7★	1989-92	19.0★
	1992-95	-15.1★	1992-95	-16.1★	1992-95	-11.1★
	1995-99	0.3	1995-99	0.5	1995-99	-2.7
<u>U.S. Cancer Mortality<sup>b</sup></u>						
Age - All Ages	1973-87	0.9★	1973-87	0.8★	1973-93	2.2★
	1987-91	3.0★	1987-91	3.1★	1993-99	-2.5★
	1991-94	-0.7	1991-94	-0.9		
	1994-99	-4.3★	1994-99	-4.4★		
Age - Under 65	1973-87	0.3	1973-87	0.4★	1973-87	0.0
	1987-90	3.9	1987-90	3.9	1987-92	1.9
	1990-99	-3.6★	1990-99	-4.1★	1992-99	-2.7★
Age - 65 and Over	1973-87	0.9★	1973-87	0.8★	1973-93	2.3★
	1987-91	3.1★	1987-91	3.2★	1993-99	-2.5★
	1991-94	-0.5	1991-94	-0.7		
	1994-99	-4.3★	1994-99	-4.4★		

The APC is the Annual Percent Change based on rates age-adjusted to the 2000 U.S. standard population by 5-year age groups using the Joinpoint Regression Program.

<sup>a</sup> Trends are from the SEER 9 areas.

<sup>b</sup> Trends are from the NCHS public use data file.

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

Table XXII-2  
PROSTATE CANCER (Invasive)

SEER INCIDENCES AND U.S. DEATH<sup>â</sup> RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE

	Incidence <sup>§</sup>			US Death <sup>â</sup>		
	All Races, Males	White Males	Black Males	All Races, Males	White Males	Black Males
<u>AGE-SPECIFIC RATES, 1995-99</u>						
AGE AT DIAGNOSIS/DEATH:						
0-4	-	-	-	-	-	-
5-9	-	-	-	-	-	-
10-14	-	-	-	-	-	-
15-19	-	-	-	-	-	-
20-24	-	-	-	-	-	-
25-29	-	-	-	-	-	-
30-34	-	-	-	-	-	-
35-39	0.6	0.6	-	0.1	0.1	-
40-44	5.4	4.6	13.2	0.3	0.2	0.6
45-49	32.0	28.3	79.2	1.0	0.8	2.5
50-54	127.5	120.9	254.3	3.8	3.2	10.7
55-59	310.2	299.9	573.4	11.8	10.1	30.5
60-64	570.5	552.4	1018.1	30.1	25.2	85.3
65-69	859.2	842.3	1274.7	67.8	59.7	161.2
70-74	1070.6	1041.9	1645.3	134.8	120.2	336.6
75-79	1048.4	1006.3	1546.5	236.2	215.8	539.9
80-84	917.8	883.0	1282.3	414.1	386.0	891.8
85+	821.7	791.8	1035.1	738.9	701.5	1312.5
<u>AGE-ADJUSTED RATES, 1995-99</u>						
AGE AT DIAGNOSIS/DEATH:						
All ages	168.9	163.2	266.8	33.9	31.2	72.8
Under 65	54.9	52.7	103.2	2.4	2.0	6.5
65 and over	956.4	927.0	1397.6	251.8	233.1	530.6
All ages (world std.) <sup>⊕</sup>	110.3	106.7	180.2	14.8	13.4	33.4

§ 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.  
<sup>â</sup> 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, unless noted.  
<sup>⊕</sup> Rates are per 100,000 and are age-adjusted to the world standard population.  
 - Statistic not shown. Rate based on less than 25 cases for the time interval.

Table XXII-3  
PROSTATE CANCER (Invasive)

## SEER INCIDENCES AND U.S. DEATH RATES, AGE-ADJUSTED RATES, BY RACE AND AGE

	All Races, Males			White Males			Black Males		
	All	<65	65+	All	<65	65+	All	<65	65+
<u>SEER INCIDENCE RATES</u>									
<u>YEAR OF DIAGNOSIS:</u>									
1973	85.3	12.5	588.3	83.7	11.8	580.8	133.3	26.9	868.8
1974	87.6	12.1	609.1	86.7	11.4	607.4	130.6	25.6	855.8
1975	94.0	13.7	649.6	92.2	13.0	640.1	141.4	27.1	931.7
1976	98.0	14.6	674.4	97.3	13.9	674.0	140.8	29.4	910.9
1977	100.5	15.0	691.2	98.6	14.4	681.0	158.9	29.1	1056.0
1978	99.4	15.2	681.6	97.7	14.7	671.4	148.2	27.0	985.8
1979	103.4	14.9	715.0	102.3	14.6	708.1	162.1	26.4	1100.6
1980	105.9	15.4	730.9	104.7	14.6	727.9	160.9	33.6	1040.3
1981	108.8	16.8	745.0	107.8	15.9	742.6	161.5	33.8	1043.5
1982	108.2	16.3	743.1	107.3	15.8	740.0	167.4	31.5	1107.3
1983	111.5	17.1	764.2	110.8	16.5	762.2	170.6	33.9	1115.2
1984	111.6	17.2	763.5	110.0	16.2	758.6	178.8	37.2	1157.1
1985	115.4	17.9	789.8	114.4	17.5	783.8	170.0	31.5	1127.4
1986	118.9	18.4	813.3	118.8	18.1	814.8	167.6	34.0	1091.0
1987	133.5	21.5	908.1	134.1	21.1	915.3	188.4	35.9	1242.6
1988	137.3	22.2	933.3	138.2	22.3	939.2	190.2	34.6	1265.8
1989	145.1	24.1	981.4	145.6	24.0	986.2	191.4	37.1	1258.0
1990	170.4	28.7	1150.0	172.0	28.7	1162.8	220.5	44.6	1436.3
1991	214.0	38.8	1425.0	215.4	39.2	1433.2	284.2	56.5	1858.2
1992	235.9	49.2	1526.7	236.4	49.2	1530.4	320.5	77.0	2003.6
1993	207.8	50.6	1294.0	202.1	49.0	1260.4	333.6	94.8	1984.0
1994	178.6	48.7	1076.4	172.3	46.7	1040.1	301.6	95.9	1723.5
1995	167.0	50.0	975.3	161.3	47.9	945.4	269.5	99.2	1446.4
1996	166.3	53.4	946.8	161.1	51.6	917.6	266.8	101.2	1411.9
1997	169.9	55.4	961.8	164.9	53.7	933.7	266.2	98.4	1426.3
1998	166.0	54.9	933.8	160.8	52.3	910.2	265.6	104.9	1376.5
1999	174.8	60.1	967.3	167.8	57.3	931.4	265.6	111.0	1334.1
1995-99	168.9	54.9	956.4	163.2	52.7	927.0	266.8	103.2	1397.6
<u>U.S. DEATH RATES</u>									
<u>YEAR OF DEATH:</u>									
1973	31.1	2.7	227.4	29.4	2.3	216.6	53.6	6.9	376.1
1974	30.9	2.7	225.8	29.1	2.3	214.4	53.7	6.8	377.6
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	229.9	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	241.2	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	284.1	35.7	2.6	264.1	77.7	7.4	563.3
1991	39.2	2.9	290.5	36.5	2.5	271.2	77.6	7.1	565.2
1992	39.1	2.9	289.5	36.2	2.4	269.5	78.9	7.7	571.1
1993	39.2	2.7	290.9	36.2	2.3	269.9	80.7	7.1	588.9
1994	38.3	2.7	284.5	35.5	2.3	264.8	78.6	6.9	574.0
1995	37.0	2.6	274.8	34.2	2.2	255.4	76.6	6.9	558.4
1996	35.7	2.5	264.9	32.8	2.2	244.6	77.0	6.7	563.4
1997	33.8	2.3	251.2	31.1	2.0	232.5	72.3	6.6	526.5
1998	32.3	2.3	239.2	29.6	1.9	221.1	70.6	6.5	513.5
1999	31.1	2.1	231.8	28.6	1.7	214.3	67.8	6.1	494.7
1995-99	33.9	2.4	251.8	31.2	2.0	233.1	72.8	6.5	530.6

SEER 9 areas. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population.  
 NCHS public use data file. Rates are per 100,000 and are age-adjusted to the 2000 U.S. 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

	<u>All Races, Males</u>			<u>White Males</u>			<u>Black Males</u>		
	All	<65	65+	All	<65	65+	All	<65	65+
<u>5-YR RELATIVE SURVIVAL RATES</u>									
YEAR OF DIAGNOSIS:									
1960-63 <sup>a</sup>	-	-	-	50	-	-	35	-	-
1970-73 <sup>a</sup>	-	-	-	63	-	-	55	-	-
1974-76 <sup>b</sup>	67.1	71.4	65.5	68.0	72.9	66.4	58.4	60.7	57.1
1977-79 <sup>b</sup>	71.1	75.8	69.4	72.2	77.5	70.3	62.6	64.5	61.7
1980-82 <sup>b</sup>	73.4	76.5	72.3	74.5	78.0	73.3	64.7	66.7	63.7
1983-85 <sup>b</sup>	74.8	75.7	74.5	76.3	77.5	75.9	63.9	64.6	63.5
1986-88 <sup>b</sup>	81.1	81.2	81.1	82.7	83.0	82.6	69.3	70.0	69.0
1989-91 <sup>b</sup>	90.5	90.0	90.7	91.8	91.2	92.0	80.6	82.1	80.0
1992-98 <sup>b</sup>	97.0 <sup>U</sup>	97.0	97.6	97.8 <sup>U</sup>	97.7	98.5	92.6 <sup>U</sup>	94.8 <sup>U</sup>	92.0 <sup>U</sup>
1992-98 <sup>b</sup>									
ALL STAGES	97.0	97.0	97.6	97.8	97.7	98.5	92.6	94.8	92.0
LOCAL/REGIONAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DISTANT	33.6	31.3	34.4	33.3	30.7	34.1	30.1	31.1	29.8
UNSTAGED	88.2	91.9	87.5	89.0	92.6	88.5	85.3	89.7	83.4
<u>STAGE DISTRIBUTION (%) 1992-98<sup>b</sup></u>									
ALL STAGES									
Number of cases	114,436	32,106	82,330	95,132	26,137	68,995	13,680	4,932	8,748
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCAL/REGIONAL	85	90	83	85	91	83	80	86	77
DISTANT	6	4	7	6	4	6	9	6	10
UNSTAGED	9	6	11	9	5	11	11	8	13
<u>5-YR RELATIVE SURVIVAL RATES, 1992-98<sup>b</sup></u>									
AGE AT DIAGNOSIS:									
<45	88.8	-	-	88.2	-	-	92.6 <sup>↑</sup>	-	-
45-54	95.3	-	-	95.5	-	-	94.8	-	-
55-64	97.7	-	-	98.4	-	-	95.2	-	-
65-74	99.7	-	-	100.0	-	-	95.7	-	-
75+	93.6	-	-	94.9	-	-	83.2	-	-
Under 65	97.0	-	-	97.7	-	-	94.8	-	-
65 and over	97.6	-	-	98.5	-	-	92.0	-	-

<sup>a</sup> Rates are based on End Results data from a series of hospital registries and one population-based registry.  
<sup>b</sup> Rates are from the SEER 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 1999.  
<sup>U</sup> The difference in rates between 1974-76 and 1992-98 is statistically significant (p<.05).  
<sup>↑</sup> The standard error of the survival rate is between 5 and 10 percentage points.  
<sup>-</sup> The standard error of the survival rate is greater than 10 percentage points.  
 - Statistic could not be calculated.

Table XXII-5  
PROSTATE CANCER (Invasive)

INCIDENCE, DEATH, AND SURVIVAL RATES\*

By Year of Diagnosis/Death

All Races, Males

Year of Diagnosis/Death

	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Incidence																					
SEER <sup>a</sup>	94.0	105.9	108.8	108.2	111.5	111.6	115.4	118.9	133.5	137.3	145.1	170.4	214.0	235.9	207.8	178.6	167.0	166.3	169.9	166.0	174.8
Mortality																					
U.S. <sup>b</sup>	31.0	33.1	33.2	33.4	33.9	34.1	33.9	34.9	35.1	35.9	37.1	38.6	39.2	39.1	39.2	38.3	37.0	35.7	33.8	32.3	31.1
SEER <sup>a</sup>	31.8	33.4	33.5	34.1	34.6	33.4	34.2	35.1	35.7	35.3	36.8	36.9	38.8	38.9	37.7	37.5	35.4	34.7	31.6	31.1	30.4
Relative Survival Rates (SEER <sup>a</sup> )																					
1-year	90.7	93.4	94.1	94.2	94.6	94.8	95.2	94.9	95.5	96.4	97.0	97.7	98.9	99.8	99.6	99.4	99.2	99.6	99.8	100.0	
2-year	83.8	87.7	88.3	88.1	89.1	89.2	88.8	89.3	91.5	92.8	93.9	94.9	97.6	98.7	98.6	98.5	98.3	98.9	99.6		
3-year	77.2	81.5	82.6	83.1	83.7	83.3	83.9	84.2	87.2	89.0	90.5	92.7	96.4	98.3	97.6	97.6	98.0	98.7			
4-year	72.4	76.9	77.5	78.0	78.3	79.0	79.4	80.5	83.8	86.3	88.1	90.9	95.3	98.0	97.5	96.9	97.8				
5-year	67.3	72.3	74.1	73.7	74.1	74.3	75.9	77.8	81.0	83.9	85.7	89.7	94.2	97.6	96.9	96.6					
6-year	63.4	68.6	70.9	69.4	70.7	71.8	73.1	74.8	78.8	81.8	83.8	88.5	93.2	96.8	96.6						
7-year	60.2	64.8	66.8	65.7	66.9	70.1	70.9	72.8	76.3	79.0	82.3	86.8	93.0	96.4							
8-year	57.1	61.4	64.4	63.0	63.6	67.7	68.6	71.3	74.4	77.4	81.1	85.7	92.4								
9-year	54.2	59.1	62.1	60.7	62.0	65.7	66.6	69.0	72.9	76.2	79.9	84.9									
10-year	51.6	56.6	59.7	59.5	60.7	64.5	64.6	67.1	71.6	74.9	79.4										
11-year	50.5	55.2	57.1	57.5	59.1	62.3	62.3	66.0	70.3	74.6											
12-year	48.2	53.0	55.3	56.1	57.8	60.4	60.1	64.3	69.6												
13-year	46.5	51.6	54.3	54.1	56.6	59.0	59.4	63.3													
14-year	45.4	50.8	52.9	52.8	54.8	57.9	57.2														
15-year	45.1	50.1	51.8	52.4	54.2	56.9															
16-year	43.3	49.3	50.9	50.6	52.3																
17-year	42.7	48.4	50.9	48.5																	
18-year	41.7	47.3	50.9																		
19-year	41.7	46.0																			
20-year	41.1																				
21-year	37.9																				
22-year	37.0																				
23-year	36.1																				
24-year	36.1																				

<sup>a</sup> Rates are from the SEER 9 areas.

<sup>b</sup> Rates are from the NCHS public use data file.

\* Incidence and death rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.

Survival rates are relative rates expressed as percents.

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

1997-1999

All Races

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.00	0.00	16.67
10	0.00	0.00	0.00	16.83
20	0.00	0.00	0.19	16.92
30	0.00	0.19	2.21	17.14
40	0.19	2.24	8.09	17.44
50	2.13	8.20	14.67	17.90
60	6.69	13.83	16.86	17.40

Lifetime Risk of Being Diagnosed = 16.67%  
 Lifetime Risk of Dying = 3.13%

Whites

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.00	0.00	16.22
10	0.00	0.00	0.00	16.35
20	0.00	0.00	0.17	16.44
30	0.00	0.17	2.13	16.63
40	0.17	2.16	7.92	16.90
50	2.06	8.02	14.27	17.29
60	6.53	13.38	16.20	16.69

Lifetime Risk of Being Diagnosed = 16.22%  
 Lifetime Risk of Dying = 2.95%

Blacks

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.00	0.00	19.19
10	0.00	0.00	0.01	19.57
20	0.00	0.01	0.43	19.76
30	0.01	0.44	3.81	20.30
40	0.45	3.93	11.56	20.99
50	3.78	12.05	19.18	22.28
60	10.10	18.79	21.93	22.58

Lifetime Risk of Being Diagnosed = 19.19%  
 Lifetime Risk of Dying = 4.78%

Table XXII-7  
PROSTATE CANCER (Invasive)

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

By Race/Ethnicity and Sex

Incidence<sup>i</sup>

RACE/ETHNICITY	Rate 1992-1999	Trend 1992-1999
	Rate per 100,000 persons	EAPC (%)
	Males	Males
All Races	178.9	-4.2★
White	172.9	-4.7★
White Hispanic	132.5	-3.5★
White Non-Hispanic	172.9	-4.6★
Black	275.3	-3.5★
Asian/Pacific Islander	107.2	-3.1★
Amer Ind/Alaska Nat	60.7	-5.7
Hispanic <sup>⊗</sup>	127.6	-3.4★

Mortality<sup>❖</sup>

RACE/ETHNICITY	Rate 1992-1999	Trend 1992-1999
	Rate per 100,000 persons	EAPC (%)
	Males	Males
All Races	35.7	-3.5★
White	32.9	-3.6★
White Hispanic	23.4	-3.8★
White Non-Hispanic	33.4	-3.5★
Black	75.1	-2.3★
Asian/Pacific Islander	15.1	-4.4★
Amer Ind/Alaska Nat	18.8	-6.2★
Hispanic <sup>⊗</sup>	22.6	-3.8★

- The EAPC is the Estimated Annual Percent Change over the time interval.
- Statistic not shown. Rate based on less than 25 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.
- <sup>i</sup> 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).
- <sup>⊗</sup> Hispanic is not mutually exclusive from whites, blacks, Asian Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics does not include cases from Detroit, Hawaii and Alaska Native Registry. For mortality, information is included for all states except Connecticut, Oklahoma, New York, and New Hampshire.
- <sup>❖</sup> Mortality data are analyzed from a public use file provided by the National Center for Health Statistics (NCHS).
- <sup>★</sup> The EAPC is significantly different from zero (p<.05).

Table XXII-8  
PROSTATE CANCER (Invasive)AGE-ADJUSTED SEER INCIDENCE RATES§ AND SEER DEATH RATESâ  
By Registry and Race

	All Races, Males			White Males			Black Males		
	All	<65	65+	All	<65	65+	All	<65	65+
<u>SEER INCIDENCE RATES§, 1995-99</u>									
REGISTRY									
11 registries	165.5	54.0	936.6	158.7	51.9	896.8	257.3	101.1	1336.4
9 registries	168.9	54.9	956.4	163.2	52.7	927.0	266.8	103.2	1397.6
San Francisco-Oakland	160.7	51.6	914.8	156.7	53.6	869.4	202.7	80.5	1047.5
Connecticut	165.6	57.0	916.7	157.5	52.9	880.3	245.6	93.5	1296.6
Metropolitan Detroit	205.6	68.6	1152.8	182.7	58.1	1043.8	295.9	112.0	1567.0
Hawaii	124.1	29.2	780.1	172.9	49.2	1028.4	121.7	-	-
Iowa	152.1	44.6	895.4	149.2	43.7	877.8	269.4	90.3	1507.1
New Mexico	147.0	45.3	850.1	150.5	46.7	867.3	139.6	55.9	718.8
Seattle-Puget Sound	166.7	53.6	948.6	168.3	54.3	956.5	228.9	88.8	1197.5
Utah	172.8	53.2	999.5	174.5	54.1	1006.7	228.4	-	1443.0
Metropolitan Atlanta	192.6	72.3	1024.4	165.4	58.9	901.4	312.7	125.0	1610.1
San Jose-Monterey	155.0	52.3	865.4	146.8	52.7	797.5	211.4	95.1	1015.4
Los Angeles	157.5	51.5	889.7	146.0	48.9	817.4	236.7	96.5	1205.2
<u>SEER DEATH RATESâ, 1995-99</u>									
REGISTRY									
11 registries	31.2	2.2	231.7	30.2	1.9	226.0	62.4	6.6	447.9
9 registries	32.6	2.1	243.3	31.5	1.8	236.8	64.5	6.3	467.1
San Francisco-Oakland	30.8	2.3	227.5	30.8	2.2	228.4	61.2	5.9	443.3
Connecticut	31.0	2.2	229.7	29.5	1.8	221.1	67.5	8.2	477.2
Metropolitan Detroit	35.9	2.5	266.7	30.6	1.8	229.4	59.1	5.6	429.0
Hawaii	22.7	1.2	171.3	32.5	-	246.1	-	-	-
Iowa	33.1	1.7	250.2	32.9	1.7	248.3	81.5	-	597.2
New Mexico	33.4	2.1	249.9	33.7	2.1	252.1	-	-	-
Seattle-Puget Sound	30.4	1.5	230.2	30.3	1.5	229.3	64.2	-	480.9
Utah	37.0	2.1	278.1	36.9	2.0	277.8	-	-	-
Metropolitan Atlanta	41.3	3.1	305.2	31.7	1.8	238.0	88.3	8.2	641.9
San Jose-Monterey	26.8	1.9	199.2	29.2	2.1	216.5	43.1	-	-
Los Angeles	27.6	2.4	201.7	25.9	2.0	190.8	58.0	7.6	406.6

Note: San Jose-Monterey and Los Angeles are new SEER areas as of 1992 and their data are only used in tables where indicated.  
 § SEER 9 areas. Incidence rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.  
 â NCHS public use data file. 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 XXII-9  
PROSTATE CANCER (Invasive)AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH<sup>ä</sup> RATES BY STATE, 1995-99

All Races, Males

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	33.9	0.09							
High Five States									
District of Columbia	53.7 <sup>⊕*</sup>	2.36	(01)	58.4					
Mississippi	46.0 <sup>⊕*</sup>	1.02	(02)	35.7					
South Carolina	43.2 <sup>⊕*</sup>	0.90	(03)	27.4					
Louisiana	42.1 <sup>⊕*</sup>	0.81	(04)	24.2					
Alabama	41.9 <sup>⊕*</sup>	0.77	(05)	23.6					
Low Five States									
Arizona	29.9 <sup>⊕*</sup>	0.59	(47)	-11.8					
California	29.3 <sup>⊕*</sup>	0.24	(48)	-13.6					
Nebraska	29.2 <sup>⊕*</sup>	0.92	(49)	-13.9					
Hawaii	22.7 <sup>⊕*</sup>	0.96	(50)	-33.0					
Alaska	22.6 <sup>⊕*</sup>	2.43	(51)	-33.3					
Alabama	41.9 <sup>⊕*</sup>	0.77	(05)	23.6	Montana	36.0	1.42	(15)	6.2
Alaska	22.6 <sup>⊕*</sup>	2.43	(51)	-33.3	Nebraska	29.2 <sup>⊕*</sup>	0.92	(49)	-13.9
Arizona	29.9 <sup>⊕*</sup>	0.59	(47)	-11.8	Nevada	32.8	1.20	(37)	-3.2
Arkansas	37.4 <sup>⊕*</sup>	0.86	(11)	10.3	New Hampshire	32.9	1.31	(36)	-2.9
California	29.3 <sup>⊕*</sup>	0.24	(48)	-13.6	New Jersey	34.2	0.48	(30)	0.9
Colorado	30.8 <sup>⊕</sup>	0.76	(44)	-9.1	New Mexico	33.4	1.11	(33)	-1.5
Connecticut	31.0 <sup>⊕</sup>	0.69	(43)	-8.6	New York	32.2 <sup>⊕</sup>	0.31	(38)	-5.0
Delaware	38.8 <sup>*</sup>	1.82	(09)	14.5	North Carolina	39.9 <sup>⊕*</sup>	0.60	(07)	17.7
District of Columbia	53.7 <sup>⊕*</sup>	2.36	(01)	58.4	North Dakota	35.5	1.54	(19)	4.7
Florida	30.1 <sup>⊕*</sup>	0.28	(46)	-11.2	Ohio	34.6	0.42	(28)	2.1
Georgia	41.6 <sup>⊕*</sup>	0.68	(06)	22.7	Oklahoma	31.2 <sup>⊕</sup>	0.71	(42)	-8.0
Hawaii	22.7 <sup>⊕*</sup>	0.96	(50)	-33.0	Oregon	35.1	0.73	(22)	3.5
Idaho	35.0	1.28	(23)	3.2	Pennsylvania	34.6	0.37	(27)	2.1
Illinois	34.9	0.41	(24)	2.9	Rhode Island	33.9	1.28	(31)	0.0
Indiana	35.9	0.61	(17)	5.9	South Carolina	43.2 <sup>⊕*</sup>	0.90	(03)	27.4
Iowa	33.1	0.72	(34)	-2.4	South Dakota	34.9	1.46	(25)	2.9
Kansas	31.6	0.78	(41)	-6.8	Tennessee	37.1 <sup>⊕</sup>	0.66	(13)	9.4
Kentucky	35.2	0.74	(21)	3.8	Texas	34.3	0.36	(29)	1.2
Louisiana	42.1 <sup>⊕*</sup>	0.81	(04)	24.2	Utah	37.0	1.17	(14)	9.1
Maine	33.4	1.18	(32)	-1.5	Vermont	36.0	1.89	(16)	6.2
Maryland	38.2 <sup>⊕*</sup>	0.72	(10)	12.7	Virginia	39.1 <sup>⊕*</sup>	0.65	(08)	15.3
Massachusetts	33.0	0.53	(35)	-2.7	Washington	30.4 <sup>⊕*</sup>	0.56	(45)	-10.3
Michigan	34.7	0.46	(26)	2.4	West Virginia	31.9	0.94	(40)	-5.9
Minnesota	35.3	0.64	(20)	4.1	Wisconsin	35.5	0.60	(18)	4.7
Mississippi	46.0 <sup>⊕*</sup>	1.02	(02)	35.7	Wyoming	37.3 <sup>*</sup>	2.18	(12)	10.0
Missouri	32.2	0.56	(39)	-5.0					

<sup>ä</sup> 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.

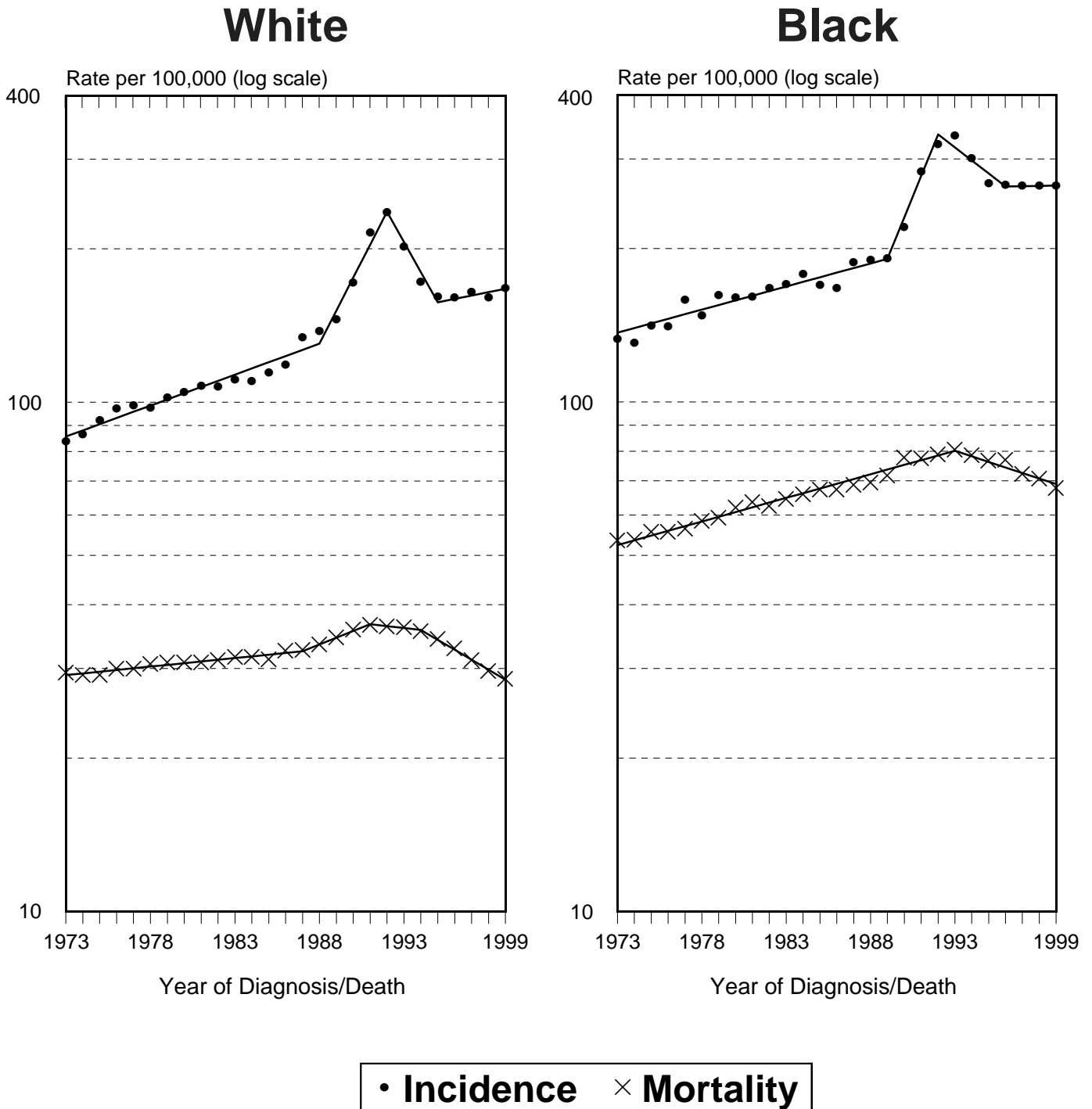
SE Standard error of the rate.

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

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

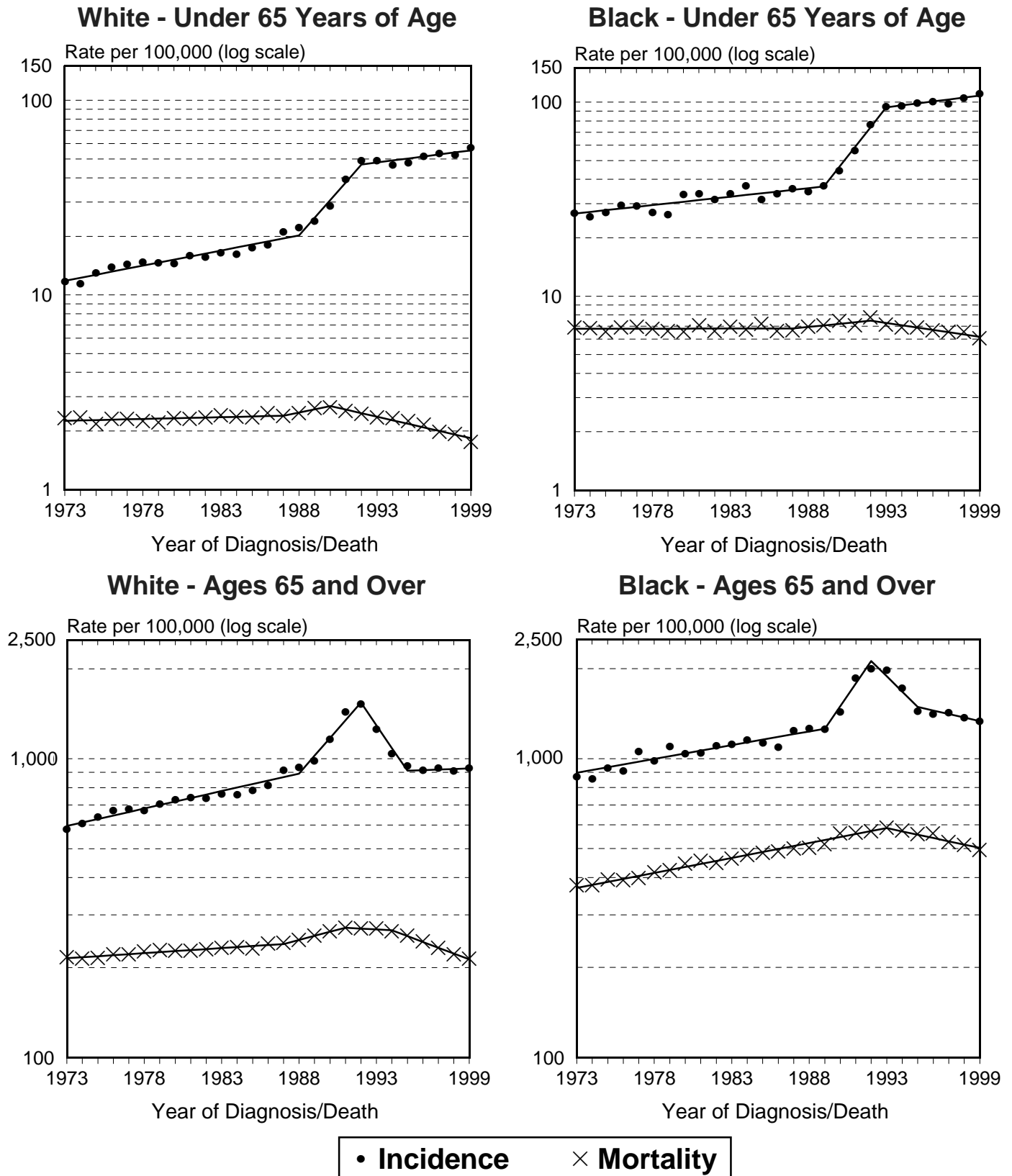
⊕ Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

# SEER Incidence and U.S. Death Rates<sup>+</sup> Prostate By Race



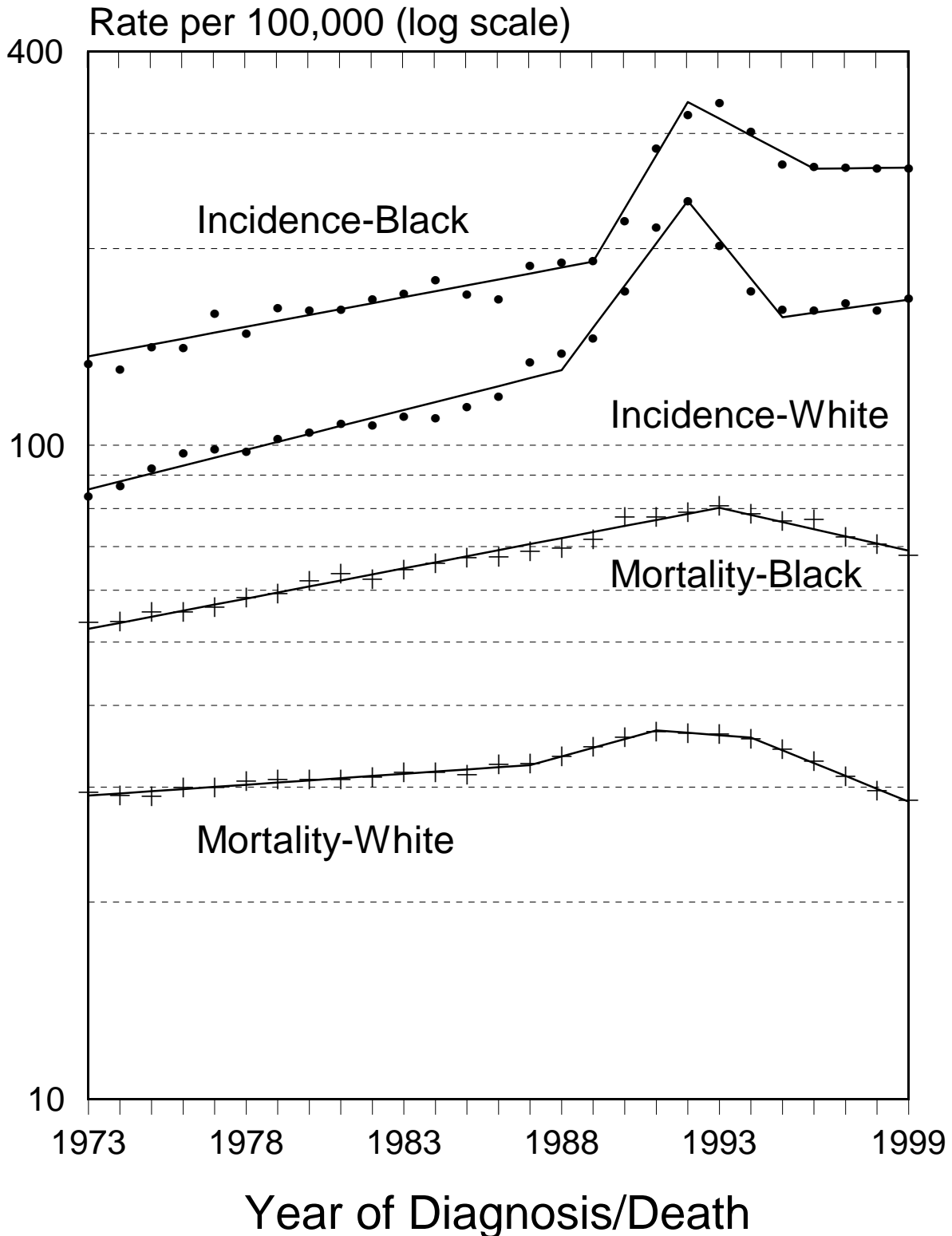
<sup>+</sup> Source: SEER 9 areas and NCHS public use data file. Rates are age-adjusted to the 2000 U.S. standard million population by 5-year age groups. Regression lines are calculated using the Joinpoint Regression Program.

# SEER Incidence and U.S. Death Rates<sup>+</sup> Prostate Cancer, By Age and Race



<sup>+</sup> Source: SEER 9 areas and NCHS public use data file. Rates are age-adjusted to the 2000 U.S. standard million population by 5-year age groups. Regression lines are calculated using the Joinpoint Regression Program.

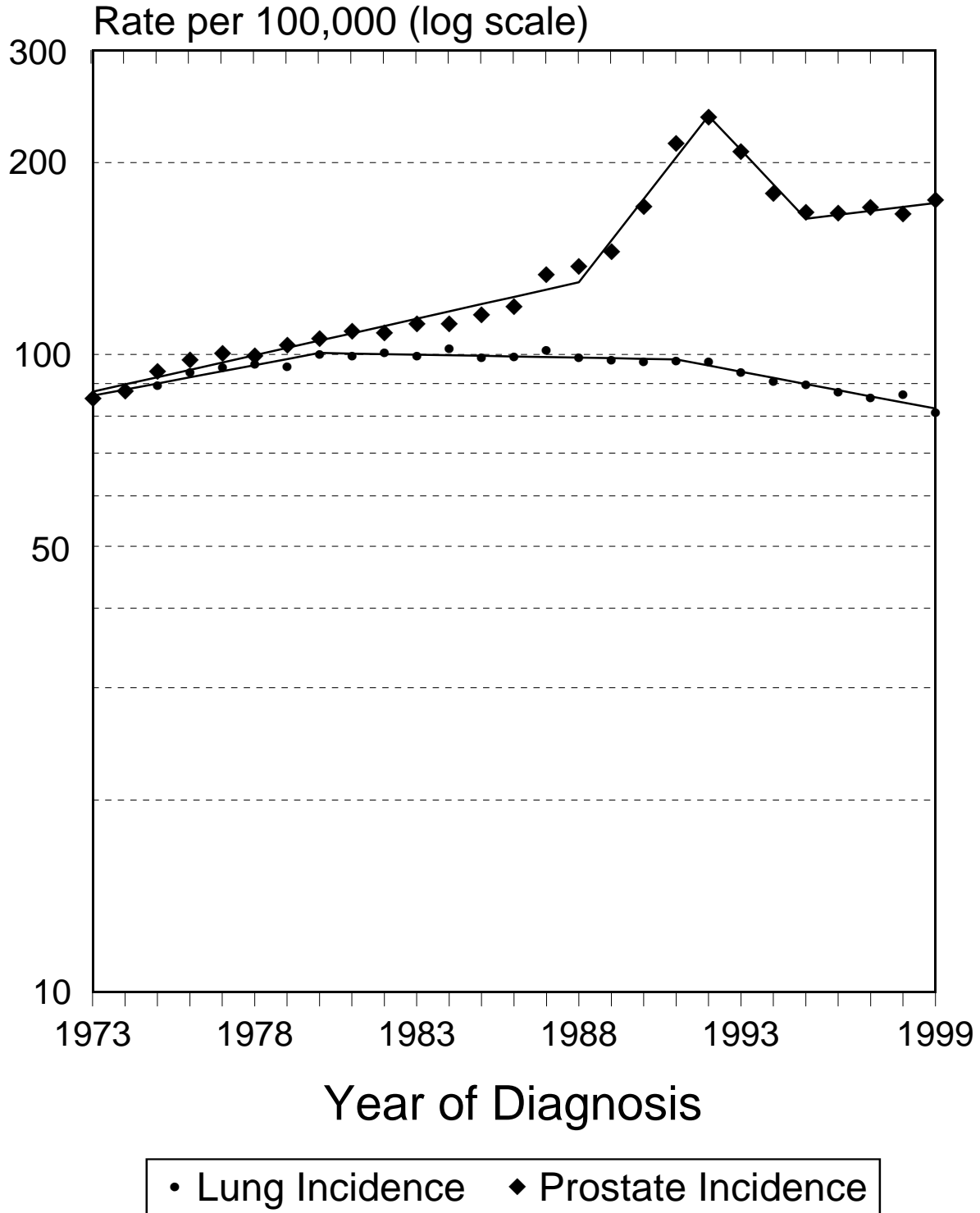
# Cancer of the Prostate SEER Incidence & U.S. Mortality, 1973-1999



Source: SEER 9 areas and NCHS public use data file.

Rates are age-adjusted to the 2000 U.S. standard million population by 5-year age groups. Regression lines are calculated using the Joinpoint Regression Program.

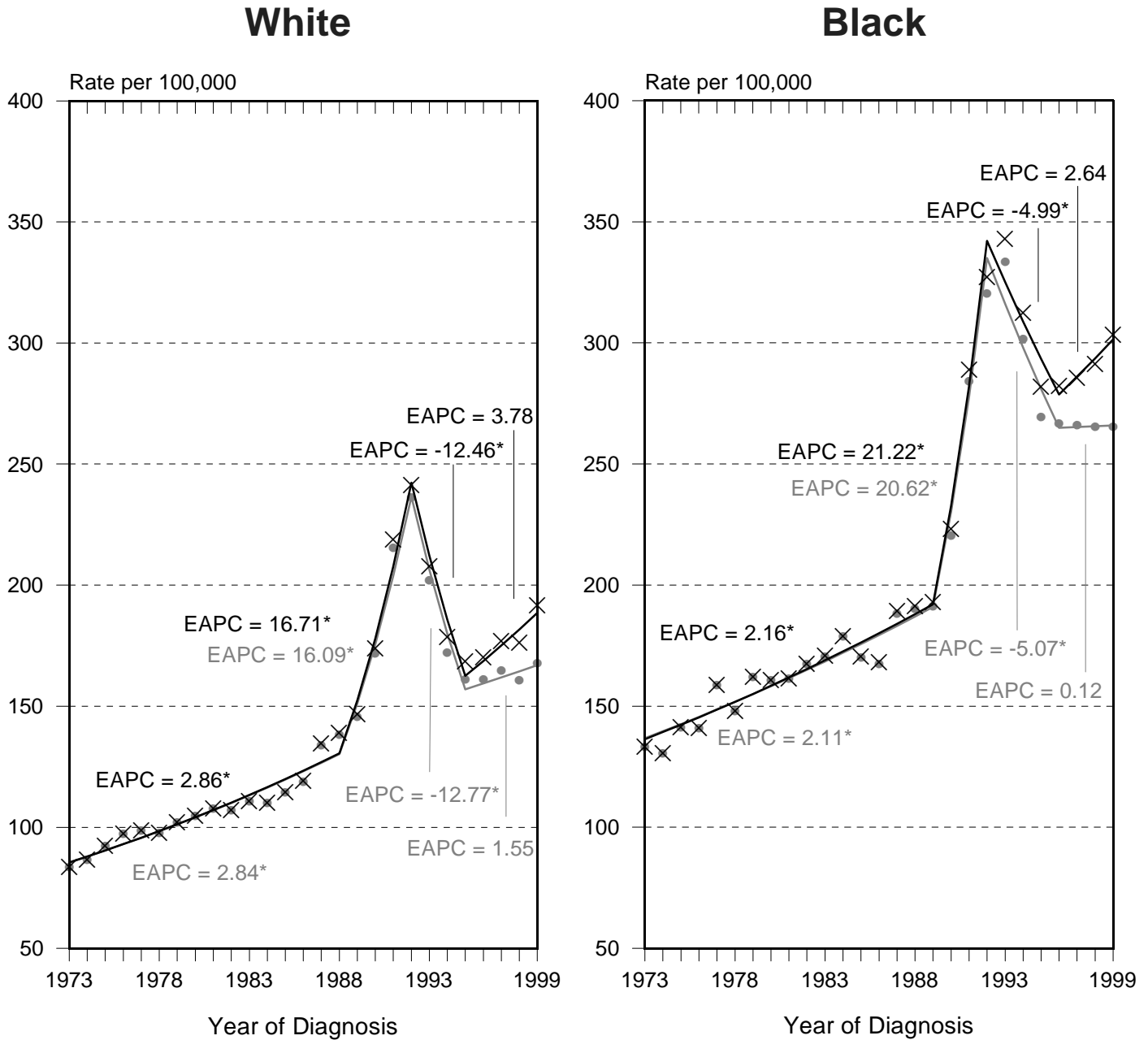
# Prostate vs. Lung Cancer Incidence All Races, Males 1973-1999



Source: SEER 9 areas.

Rates are age-adjusted to the 2000 U.S. standard million population by 5-year age groups. Regression lines are calculated using the Joinpoint Regression Program.

# SEER Incidence and Delay Adjusted Incidence Rates<sup>+</sup> Prostate By Race



Source: SEER 9 areas.

<sup>+</sup> Rates are age-adjusted to the 2000 U.S. standard million population by 5-year age groups. Regression lines are calculated using the Joinpoint Regression Program. The EAPC is the Estimated Annual Percent Change for the regression line segments. The EAPC is calculated by the Joinpoint Regression Program.

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