

Table XXIV-1  
TESTIS CANCER (Invasive)

TRENDS IN SEER INCIDENCE<sup>a</sup> AND U.S. MORTALITY<sup>b</sup> USING THE JOINPOINT REGRESSION PROGRAM, 1975-2000  
WITH UP TO THREE JOINPOINTS BY RACE AND AGE

		<u>Joinpoint Segment 1</u>		<u>Joinpoint Segment 2</u>		<u>Joinpoint Segment 3</u>		<u>Joinpoint Segment 4</u>	
		Year	APC	Year	APC	Year	APC	Year	APC
<u>SEER Cancer Incidence<sup>a</sup></u>									
All Races	All Ages	1975-2000	1.6 <sup>c</sup>						
All Races	Under 50	1975-2000	1.8 <sup>c</sup>						
All Races	50 and Over	1975-2000	-0.3						
White	All Ages	1975-2000	1.8 <sup>c</sup>						
White	Under 50	1975-1987	3.4 <sup>c</sup>	1987-2000	1.1 <sup>c</sup>				
White	50 and Over	1975-2000	-0.3						
Black	All Ages	1975-2000	2.8 <sup>c</sup>						
Black	Under 50	1975-2000	2.5 <sup>c</sup>						
<u>U.S. Cancer Mortality<sup>b</sup></u>									
All Races	All Ages	1975-1981	-10.4 <sup>c</sup>	1981-1995	-3.2 <sup>c</sup>	1995-2000	0.8		
All Races	Under 50	1975-1982	-10.6 <sup>c</sup>	1982-2000	-2.1 <sup>c</sup>				
All Races	50 and Over	1975-1990	-5.8 <sup>c</sup>	1990-2000	-1.1				
White	All Ages	1975-1981	-11.3 <sup>c</sup>	1981-2000	-2.4 <sup>c</sup>				
White	Under 50	1975-1982	-10.7 <sup>c</sup>	1982-2000	-2.0 <sup>c</sup>				
White	50 and Over	1975-1981	-9.3 <sup>c</sup>	1981-2000	-2.9 <sup>c</sup>				
Black	All Ages	1975-2000	-2.7 <sup>c</sup>						
Black	Under 50	1975-2000	-1.5 <sup>c</sup>						
Black	50 and Over	1975-2000	-4.3 <sup>c</sup>						

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.

<sup>c</sup> The APC is significantly different from zero (p<.05).

Table XXIV-2  
TESTIS CANCER (Invasive)

SEER INCIDENCE<sup>a</sup> AND U.S. DEATH<sup>b</sup> RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE

	Incidence <sup>a</sup>			US Death <sup>b</sup>		
	All Races, Males	White Males	Black Males	All Races, Males	White Males	Black Males
<u>AGE-SPECIFIC RATES, 1996-2000</u>						
AGE AT DIAGNOSIS/DEATH:						
<1	-	-	-	-	-	-
1-4	-	-	-	-	-	-
5-9	-	-	-	-	-	-
10-14	-	-	-	-	-	-
15-19	3.1	3.7	-	0.1	0.1	-
20-24	8.7	10.5	-	0.3	0.4	-
25-29	12.1	14.7	-	0.4	0.5	-
30-34	14.0	16.6	-	0.5	0.5	-
35-39	12.6	14.6	4.2	0.5	0.6	-
40-44	9.8	11.3	-	0.4	0.5	-
45-49	6.7	7.7	-	0.3	0.4	-
50-54	3.9	4.4	-	0.2	0.2	-
55-59	2.1	2.4	-	0.2	0.3	-
60-64	1.6	1.8	-	0.2	0.3	-
65-69	-	-	-	0.2	0.2	-
70-74	-	-	-	0.2	0.2	-
75-79	-	-	-	0.3	0.3	-
80-84	-	-	-	0.5	0.5	-
85+	-	-	-	0.5	0.6	-
<u>AGE-ADJUSTED RATES, 1996-2000</u>						
AGE AT DIAGNOSIS/DEATH:						
All ages	5.5	6.4	1.4	0.3	0.3	0.2
Under 65	6.1	7.2	1.5	0.3	0.3	0.1
65 and over	0.9	1.0	-	0.3	0.3	-
All ages (world std.) <sup>c</sup>	5.0	5.9	1.3	0.2	0.2	0.1

<sup>a</sup> 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>b</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>c</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 XXIV-3  
TESTIS CANCER (Invasive)

SEER INCIDENCE<sup>a</sup> AND U.S. DEATH<sup>b</sup> RATES, AGE-ADJUSTED RATES, BY RACE AND AGE

	All Races, Males			White Males			Black Males		
	All	<50	50+	All	<50	50+	All	<50	50+
<u>SEER INCIDENCE RATES</u>									
YEAR OF DIAGNOSIS:									
1975	3.7	4.2	2.4	4.1	4.7	2.6	-	-	-
1976	3.4	4.2	1.5	3.8	4.5	1.7	-	-	-
1977	4.3	5.1	2.2	4.9	5.8	2.4	-	-	-
1978	3.6	4.2	1.8	3.9	4.6	2.1	-	-	-
1979	3.9	4.5	2.2	4.3	5.1	2.3	-	-	-
1980	4.4	5.3	1.9	4.9	6.0	2.1	-	-	-
1981	4.2	5.1	1.8	4.8	5.8	2.1	-	-	-
1982	4.4	5.2	2.3	5.0	6.0	2.4	-	-	-
1983	4.6	5.5	2.2	5.2	6.3	2.5	-	-	-
1984	4.4	5.3	1.9	5.0	6.1	2.1	-	-	-
1985	4.5	5.5	1.8	5.2	6.3	2.1	-	-	-
1986	4.8	5.8	2.2	5.6	6.8	2.3	-	-	-
1987	5.0	6.3	1.9	5.6	7.1	1.9	-	-	-
1988	4.6	5.8	1.5	5.4	6.9	1.7	-	-	-
1989	5.5	6.7	2.2	6.3	7.8	2.5	-	-	-
1990	5.1	6.3	2.1	6.0	7.4	2.3	-	-	-
1991	5.1	6.2	2.1	5.7	7.1	2.3	-	-	-
1992	5.2	6.4	1.9	6.1	7.6	2.1	-	-	-
1993	5.1	6.4	1.6	6.0	7.5	1.9	-	-	-
1994	5.5	6.7	2.1	6.3	7.8	2.3	-	-	-
1995	4.6	5.6	1.8	5.3	6.5	2.1	-	-	-
1996	5.2	6.6	1.7	6.2	7.8	1.9	-	-	-
1997	5.4	6.5	2.4	6.3	7.7	2.7	-	-	-
1998	5.5	7.1	1.6	6.5	8.4	1.7	-	-	-
1999	5.4	6.8	1.8	6.3	7.9	2.0	1.7	-	-
2000	5.7	7.1	2.0	6.6	8.3	2.3	1.6	-	-
1996-2000	5.5	6.8	1.9	6.4	8.0	2.1	1.4	1.6	-
<u>U.S. DEATH RATES</u>									
YEAR OF DEATH:									
1975	0.7	0.7	0.7	0.8	0.8	0.8	-	-	-
1976	0.7	0.7	0.7	0.8	0.8	0.7	0.4	-	-
1977	0.6	0.7	0.6	0.7	0.7	0.6	-	-	-
1978	0.6	0.6	0.5	0.6	0.6	0.6	0.2	-	-
1979	0.5	0.5	0.6	0.5	0.5	0.6	0.4	-	-
1980	0.5	0.4	0.5	0.5	0.5	0.5	-	-	-
1981	0.4	0.4	0.4	0.4	0.4	0.4	-	-	-
1982	0.4	0.4	0.4	0.4	0.4	0.4	-	-	-
1983	0.4	0.4	0.4	0.4	0.4	0.4	-	-	-
1984	0.3	0.3	0.4	0.4	0.4	0.4	-	-	-
1985	0.4	0.3	0.4	0.4	0.4	0.4	-	-	-
1986	0.3	0.3	0.3	0.3	0.3	0.4	-	-	-
1987	0.3	0.3	0.3	0.4	0.4	0.3	-	-	-
1988	0.3	0.3	0.4	0.3	0.3	0.4	-	-	-
1989	0.3	0.3	0.3	0.3	0.3	0.3	0.2	-	-
1990	0.3	0.3	0.2	0.3	0.3	0.2	-	-	-
1991	0.3	0.3	0.3	0.3	0.3	0.3	-	-	-
1992	0.3	0.3	0.3	0.3	0.3	0.3	-	-	-
1993	0.3	0.3	0.3	0.3	0.3	0.3	-	-	-
1994	0.3	0.3	0.2	0.3	0.3	0.2	-	-	-
1995	0.2	0.2	0.2	0.3	0.3	0.2	-	-	-
1996	0.3	0.3	0.3	0.3	0.3	0.3	-	-	-
1997	0.2	0.2	0.2	0.3	0.3	0.3	-	-	-
1998	0.3	0.3	0.3	0.3	0.3	0.3	-	-	-
1999	0.3	0.3	0.3	0.3	0.3	0.3	-	-	-
2000	0.2	0.3	0.2	0.3	0.3	0.2	0.2	-	-
1996-2000	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	-

<sup>a</sup> 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>b</sup> NCHS public use data file. 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 XXIV-4  
TESTIS CANCER (Invasive)

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

	All Races, Males			White Males			Black Males		
	All	<50	50+	All	<50	50+	All	<50	50+
<u>5-YR RELATIVE SURVIVAL RATES</u>									
YEAR OF DIAGNOSIS:									
1960-1963 <sup>a</sup>	-	-	-	63	-	-	-	-	-
1970-1973 <sup>a</sup>	-	-	-	72	-	-	-	-	-
1974-1976 <sup>b</sup>	78.7	78.1	82.9	78.8	78.2	83.3	75.9 <sup>d</sup>	-	-
1977-1979 <sup>b</sup>	87.4	88.5	77.1	87.8	88.9	78.1	66.2 <sup>e</sup>	-	-
1980-1982 <sup>b</sup>	91.8	91.9	91.8	92.1	92.0	92.7	89.7 <sup>d</sup>	89.2 <sup>d</sup>	-
1983-1985 <sup>b</sup>	91.0	91.8	82.3	91.3	92.3	80.7	87.9 <sup>d</sup>	84.3 <sup>d</sup>	-
1986-1988 <sup>b</sup>	95.1	95.2	93.4	95.6	95.7	94.3	-	-	-
1989-1991 <sup>b</sup>	95.4	95.4	93.8	95.8	95.8	94.8	89.3 <sup>d</sup>	93.3 <sup>d</sup>	-
1992-1999 <sup>b</sup>	95.5 <sup>c</sup>	95.8 <sup>c</sup>	89.8	95.8 <sup>c</sup>	96.1 <sup>c</sup>	90.4	86.9	87.4	-
1992-1999 <sup>b</sup>									
ALL STAGES	95.5	95.8	89.8	95.8	96.1	90.4	86.9	87.4	-
LOCALIZED	99.1	99.0	97.2	99.1	99.0	98.0	98.5	98.2	-
REGIONAL	95.0	95.8	85.4 <sup>d</sup>	95.4	96.3	85.5 <sup>d</sup>	79.1 <sup>e</sup>	78.7 <sup>e</sup>	-
DISTANT	73.1	75.3	47.4 <sup>d</sup>	73.8	76.3	43.4 <sup>d</sup>	-	-	-
UNSTAGED	90.4	90.8	-	91.2	91.7	-	-	-	-
<u>STAGE DISTRIBUTION (%) 1992-1999<sup>b</sup></u>									
ALL STAGES									
Number of cases	5,359	4,958	401	4,974	4,600	374	132	125	7
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	69	70	65	70	70	66	60	61	43
REGIONAL	19	18	19	19	18	19	21	21	14
DISTANT	11	10	13	10	10	12	18	17	43
UNSTAGED	2	2	3	2	2	3	2	2	-
<u>5-YR RELATIVE SURVIVAL RATES, 1992-1999<sup>b</sup></u>									
AGE AT DIAGNOSIS:									
<45	95.7	-	-	96.0	-	-	87.6	-	-
45-54	96.0	-	-	96.3	-	-	-	-	-
55-64	88.0	-	-	88.3	-	-	-	-	-
65-74	76.2 <sup>d</sup>	-	-	77.0 <sup>d</sup>	-	-	-	-	-
75+	85.4 <sup>e</sup>	-	-	-	-	-	-	-	-
Under 65	95.7	-	-	96.0	-	-	86.9	-	-
65 and over	78.8 <sup>d</sup>	-	-	80.6 <sup>d</sup>	-	-	-	-	-

- <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 2000.
- <sup>c</sup> The difference in rates between 1974-1976 and 1992-1999 is statistically significant (p<.05).
- <sup>d</sup> The standard error of the survival rate is between 5 and 10 percentage points.
- <sup>e</sup> The standard error of the survival rate is greater than 10 percentage points.
- Statistic could not be calculated.

Table XXIV-5  
TESTIS CANCER (Invasive)

INCIDENCE, DEATH, AND SURVIVAL RATES<sup>c</sup>

By Year of Diagnosis/Death

All Races, Males

Year of Diagnosis/Death

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Incidence																			
SEER <sup>a</sup>	3.8	4.4	4.5	4.8	5.0	4.6	5.5	5.1	5.1	5.2	5.1	5.5	4.6	5.2	5.4	5.5	5.4	5.7	
Mortality																			
U.S. <sup>b</sup>	0.6	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.2	
SEER <sup>a</sup>	0.7	0.4	0.3	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.2	
Relative Survival Rates (SEER <sup>a</sup> )																			
1-year	93.3	96.1	97.1	98.1	98.1	98.9	98.2	98.2	98.4	97.9	96.9	97.7	98.3	97.9	97.4	98.2	96.9		
2-year	88.5	92.7	94.0	96.6	97.3	96.6	95.7	96.7	96.8	96.7	95.9	96.4	97.5	96.4	95.6	96.5			
3-year	86.5	92.1	93.4	96.5	96.2	95.8	95.0	96.2	95.7	95.6	95.3	95.9	96.4	95.9	95.1				
4-year	85.5	91.5	92.8	95.8	95.5	95.0	94.8	96.2	95.3	95.6	95.3	95.9	96.4	95.9					
5-year	85.0	91.1	92.5	95.5	95.2	94.6	94.7	96.2	95.3	95.3	95.3	95.6	96.3						
6-year	84.7	90.9	92.3	95.4	94.5	94.4	94.6	96.0	95.1	95.0	95.3	95.6							
7-year	84.6	90.8	92.3	95.4	94.4	94.2	94.2	95.8	95.0	94.9	95.3								
8-year	84.5	90.5	91.5	95.4	94.4	93.2	94.1	95.8	94.7	94.1									
9-year	84.4	90.0	91.5	95.1	94.4	93.2	93.7	95.8	94.4										
10-year	83.7	89.8	91.4	94.6	94.4	93.1	93.7	95.8											
11-year	83.2	89.7	90.6	94.6	94.3	92.9	93.6												
12-year	83.0	89.6	90.6	94.1	94.2	92.9													
13-year	82.7	89.1	89.9	94.1	93.4														
14-year	82.0	88.6	89.1	93.7															
15-year	81.9	88.3	88.9																
16-year	81.4	87.7																	
17-year	80.8																		
18-year	80.3																		
19-year	79.8																		
20-year	79.5																		

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

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

<sup>c</sup> 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 XXIV-6  
TESTIS 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

1998-2000

All Races

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.02	0.11	0.35
10	0.02	0.11	0.23	0.36
20	0.10	0.21	0.29	0.34
30	0.12	0.20	0.23	0.25
40	0.08	0.11	0.12	0.13
50	0.03	0.04	0.05	0.05
60	0.01	0.02	0.02	0.02

Lifetime Risk of Being Diagnosed = 0.35%  
 Lifetime Risk of Dying = 0.02%

Whites

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.03	0.14	0.42
10	0.02	0.14	0.27	0.42
20	0.11	0.25	0.35	0.40
30	0.14	0.23	0.27	0.29
40	0.09	0.13	0.14	0.15
50	0.04	0.05	0.06	0.06
60	0.01	0.02	0.03	0.03

Lifetime Risk of Being Diagnosed = 0.42%  
 Lifetime Risk of Dying = 0.02%

Blacks

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.01	0.03	0.10
10	0.01	0.03	0.06	0.10
20	0.02	0.05	0.07	0.09
30	0.03	0.05	0.07	0.07
40	0.02	0.04	0.04	0.04
50	0.01	0.02	0.02	0.02
60	0.01	0.01	0.01	0.01

Lifetime Risk of Being Diagnosed = 0.10%  
 Lifetime Risk of Dying = 0.01%

Table XXIV-7  
TESTIS CANCER (Invasive)

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

By Race/Ethnicity and Sex

Incidence<sup>a</sup>

RACE/ETHNICITY	Rate 1996-2000	Trend 1992-2000
	Rate per 100,000 persons	APC (%)
	<u>Males</u>	<u>Males</u>
All Races	5.2	1.3 <sup>d</sup>
White	6.1	1.3 <sup>d</sup>
White Hispanic <sup>b</sup>	3.6	1.1
White Non-Hispanic <sup>b</sup>	6.8	1.8 <sup>d</sup>
Black	1.4	7.9 <sup>d</sup>
Asian/Pacific Islander	2.1	2.4
Amer Ind/Alaska Nat	2.6	-
Hispanic <sup>b</sup>	3.5	1.6

Mortality<sup>c</sup>

RACE/ETHNICITY	Rate 1996-2000	Trend 1992-2000
	Rate per 100,000 persons	APC (%)
	<u>Males</u>	<u>Males</u>
All Races	0.3	-1.0
White	0.3	-1.1
White Hispanic <sup>b</sup>	0.2	-4.6
White Non-Hispanic <sup>b</sup>	0.3	-0.3
Black	0.2	2.5
Asian/Pacific Islander	-	-
Amer Ind/Alaska Nat	-	-
Hispanic <sup>b</sup>	0.2	-4.4

- 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.
- <sup>a</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>b</sup> 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, Oklahoma, New York, and New Hampshire.
- <sup>c</sup> Mortality data are analyzed from a public use file provided by the National Center for Health Statistics (NCHS).
- <sup>d</sup> The APC is significantly different from zero (p<.05).

Table XXIV-8  
TESTIS CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup> AND SEER DEATH RATES<sup>b</sup>  
 By Registry and Race

	All Races, Males			White Males			Black Males		
	All	<50	50+	All	<50	50+	All	<50	50+
<u>SEER INCIDENCE RATES<sup>a</sup>, 1996-2000</u>									
REGISTRY									
12 registries	5.2	6.4	1.9	6.1	7.6	2.1	1.4	1.6	-
11 registries	5.2	6.4	1.9	6.1	7.6	2.1	1.4	1.6	-
9 registries	5.5	6.8	1.9	6.4	8.0	2.1	1.4	1.6	-
San Francisco-Oakland	5.4	6.6	2.1	6.6	8.1	2.5	2.6	-	-
Connecticut	6.1	7.6	1.9	6.7	8.4	2.0	-	-	-
Metropolitan Detroit	5.1	6.3	2.1	6.4	7.9	2.5	-	-	-
Hawaii	4.4	5.7	-	7.6	9.7	-	-	-	-
Iowa	6.0	7.5	2.1	6.2	7.7	2.1	-	-	-
New Mexico	5.2	6.4	-	5.5	6.8	-	-	-	-
Seattle-Puget Sound	6.4	8.1	2.0	7.1	9.1	2.1	-	-	-
Utah	5.6	7.3	-	5.8	7.6	-	-	-	-
Metropolitan Atlanta	4.0	5.0	-	5.5	6.9	-	1.4	1.7	-
San Jose-Monterey	5.0	6.0	2.2	5.8	7.0	2.5	-	-	-
Los Angeles	4.4	5.4	1.7	5.3	6.6	1.9	1.4	1.4	-
<u>SEER DEATH RATES<sup>b</sup>, 1996-2000</u>									
REGISTRY									
12 registries	0.3	0.3	0.2	0.3	0.3	0.2	-	-	-
11 registries	0.3	0.3	0.2	0.3	0.3	0.2	-	-	-
9 registries	0.2	0.2	0.2	0.3	0.3	0.2	-	-	-
San Francisco-Oakland	-	-	-	-	-	-	-	-	-
Connecticut	-	-	-	-	-	-	-	-	-
Metropolitan Detroit	0.3	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-
Iowa	-	-	-	-	-	-	-	-	-
New Mexico	-	-	-	-	-	-	-	-	-
Seattle-Puget Sound	0.3	-	-	0.3	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-	-
Metropolitan Atlanta	-	-	-	-	-	-	-	-	-
San Jose-Monterey	-	-	-	-	-	-	-	-	-
Los Angeles	0.3	0.3	-	0.3	0.4	-	-	-	-

Note: San Jose-Monterey and Los Angeles are new SEER areas as of 1992 and their data are only used in tables where indicated.

<sup>a</sup> 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.

<sup>b</sup> 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 XXIV-9  
TESTIS CANCER (Invasive)AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH<sup>a</sup> RATES BY STATE, 1996-2000

All Races, Males

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	0.3	0.01							
High Five States									
Montana	0.4 <sup>b</sup>	0.14	(01)	33.3	Montana	0.4 <sup>b</sup>	0.14	(01)	33.3
Wyoming	0.4 <sup>b</sup>	0.20	(02)	33.3	Nebraska	0.2 <sup>b</sup>	0.08	(30)	-33.3
Vermont	0.4 <sup>b</sup>	0.17	(03)	33.3	Nevada	0.3	0.09	(08)	0.0
Massachusetts	0.4 <sup>b</sup>	0.05	(04)	33.3	New Hampshire	0.3	0.10	(09)	0.0
Rhode Island	0.4 <sup>b</sup>	0.12	(05)	33.3	New Jersey	0.2 <sup>b</sup>	0.03	(44)	-33.3
Low Five States					New Mexico	0.3	0.08	(28)	0.0
Delaware	0.2 <sup>b</sup>	0.09	(47)	-33.3	New York	0.2 <sup>b</sup>	0.02	(31)	-33.3
Alaska	0.2 <sup>b</sup>	0.09	(48)	-33.3	North Carolina	0.2 <sup>b</sup>	0.03	(42)	-33.3
Georgia	0.2 <sup>b</sup>	0.03	(49)	-33.3	North Dakota	0.2 <sup>b</sup>	0.11	(43)	-33.3
Utah	0.2 <sup>b</sup>	0.05	(50)	-33.3	Ohio	0.3	0.03	(19)	0.0
Missouri	0.2 <sup>b</sup>	0.03	(51)	-33.3	Oklahoma	0.3	0.06	(27)	0.0
Alabama	0.2 <sup>b</sup>	0.04	(40)	-33.3	Oregon	0.3	0.06	(07)	0.0
Alaska	0.2 <sup>b</sup>	0.09	(48)	-33.3	Pennsylvania	0.3	0.03	(29)	0.0
Arizona	0.3	0.05	(18)	0.0	Rhode Island	0.4 <sup>b</sup>	0.12	(05)	33.3
Arkansas	0.3	0.07	(15)	0.0	South Carolina	0.3	0.05	(20)	0.0
California	0.3	0.02	(17)	0.0	South Dakota	0.3	0.13	(16)	0.0
Colorado	0.2 <sup>b</sup>	0.05	(37)	-33.3	Tennessee	0.2 <sup>b</sup>	0.04	(41)	-33.3
Connecticut	0.2 <sup>b</sup>	0.05	(45)	-33.3	Texas	0.3	0.02	(25)	0.0
Delaware	0.2 <sup>b</sup>	0.09	(47)	-33.3	Utah	0.2 <sup>b</sup>	0.05	(50)	-33.3
District of Columbia	0.2 <sup>b</sup>	0.12	(46)	-33.3	Vermont	0.4 <sup>b</sup>	0.17	(03)	33.3
Florida	0.3	0.03	(06)	0.0	Virginia	0.2 <sup>b</sup>	0.04	(36)	-33.3
Georgia	0.2 <sup>b</sup>	0.03	(49)	-33.3	Washington	0.3	0.05	(13)	0.0
Hawaii	0.2 <sup>b</sup>	0.08	(38)	-33.3	West Virginia	0.3	0.09	(10)	0.0
Idaho	0.3	0.09	(26)	0.0	Wisconsin	0.3	0.05	(21)	0.0
Illinois	0.2 <sup>b</sup>	0.03	(35)	-33.3	Wyoming	0.4 <sup>b</sup>	0.20	(02)	33.3
Indiana	0.2 <sup>b</sup>	0.04	(33)	-33.3					
Iowa	0.3	0.07	(12)	0.0					
Kansas	0.3	0.07	(24)	0.0					
Kentucky	0.2 <sup>b</sup>	0.05	(32)	-33.3					
Louisiana	0.2 <sup>b</sup>	0.04	(39)	-33.3					
Maine	0.2 <sup>b</sup>	0.09	(34)	-33.3					
Maryland	0.3	0.05	(22)	0.0					
Massachusetts	0.4 <sup>b</sup>	0.05	(04)	33.3					
Michigan	0.3	0.04	(14)	0.0					
Minnesota	0.3	0.05	(23)	0.0					
Mississippi	0.3	0.07	(11)	0.0					
Missouri	0.2 <sup>b</sup>	0.03	(51)	-33.3					

<sup>a</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.

<sup>b</sup> Absolute percent difference between state rate and total U.S. rate is 15% or more.

<sup>c</sup> Difference between state rate and total U.S. rate is statistically significant ( $p \leq .0002$ ).

SE Standard error of the rate.

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

Table XXIV-10  
TESTIS CANCER (Invasive)

Estimated United States Cancer Prevalence Counts<sup>a</sup> on January 1, 2000  
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 <10	0 to <25	>=25 <sup>f</sup>	Complete <sup>g</sup>
<u>Race</u>									
All Races <sup>b</sup>	34,721	32,106	27,686	21,014	14,087	66,827	129,614	21,237 <sup>h</sup>	150,851
White <sup>b</sup>	32,680	30,633	26,610	20,278	13,525	63,313	123,726	19,583 <sup>h</sup>	143,309
Black <sup>b</sup>	962	496	469	342	-	1,458	2,506	+	+
Asian/Pacific Islander <sup>c</sup>	531	467	+	+	+	998	+	+	+
Hispanic <sup>d</sup>	2,928	2,271	+	+	+	5,199	+	+	+

Estimated prevalence percent<sup>a</sup> on January 1, 2000, 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 <sup>e</sup>
	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 <sup>c</sup>	0.0465%	0.0022%	0.0041%	0.0481%	0.1083%	0.0938%	0.0420%	0.0182%	0.0103%	0.0065%	0.0448%
White <sup>c</sup>	0.0558%	0.0022%	0.0045%	0.0584%	0.1305%	0.1107%	0.0493%	0.0211%	0.0121%	-	0.0533%
Black <sup>c</sup>	0.0093%	-	-	-	0.0193%	0.0241%	-	-	-	-	0.0094%
Asian/Pacific Islander <sup>c</sup>	0.0175%	-	-	0.0180%	0.0361%	0.0367%	0.0141%	-	-	-	0.0166%
Hispanic <sup>d</sup>	0.0297%	-	0.0041%	0.0388%	0.0698%	0.0566%	0.0221%	-	-	-	0.0289%

<sup>a</sup> US 2000 cancer prevalence counts are based on 2000 cancer prevalence proportions from the SEER registries and 1/1/2000 US population estimates based on the average of 1999 and 2000 population estimates from the US Bureau of the Census. Prevalence was calculated using the First Malignant Primary Only for a person.

<sup>b c d</sup> Statistics based on b) SEER 9 Areas c) SEER 11 Areas d) SEER 11 Areas excluding Hawaii and Detroit.

<sup>e</sup> Percentages are age-adjusted to the 2000 US standard population by 5-year age groups.

<sup>f g</sup> (f) Cases diagnosed 25 years or more ago were estimated using the completeness index method (Capocaccia et. al. 1997, Merrill et. al. 2000). (g) Complete prevalence is obtained by summing 0 to <25 with >=25.

- Statistics not shown. Rate based on less than 25 cases estimated alive for the time interval.

+ Not available.

## SEER Incidence and US Death Rates+ Testis Cancer, by Race

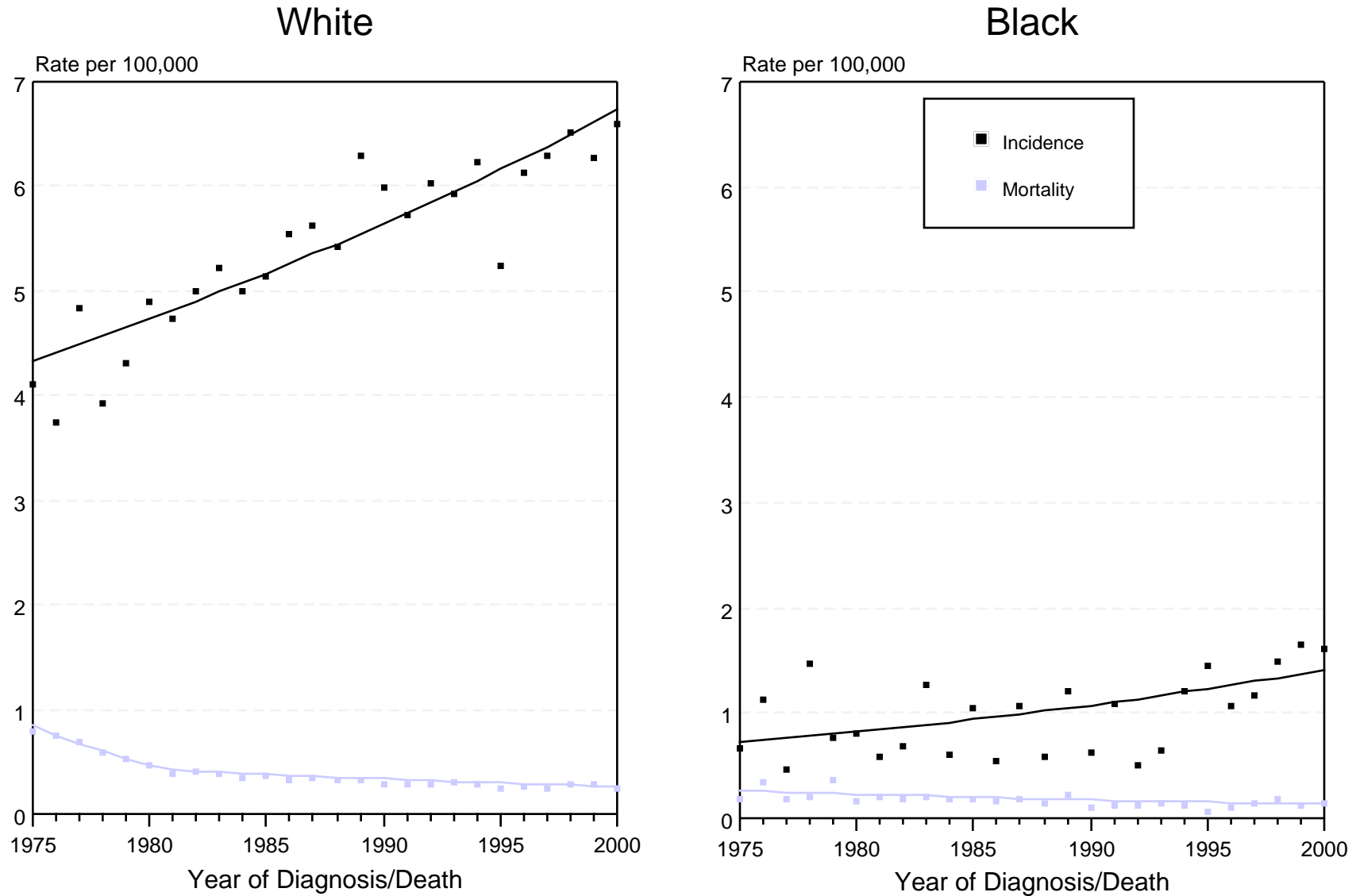


Figure XXIV-1

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

## SEER Incidence and US Death Rates+ Testis Cancer, by Age and Race

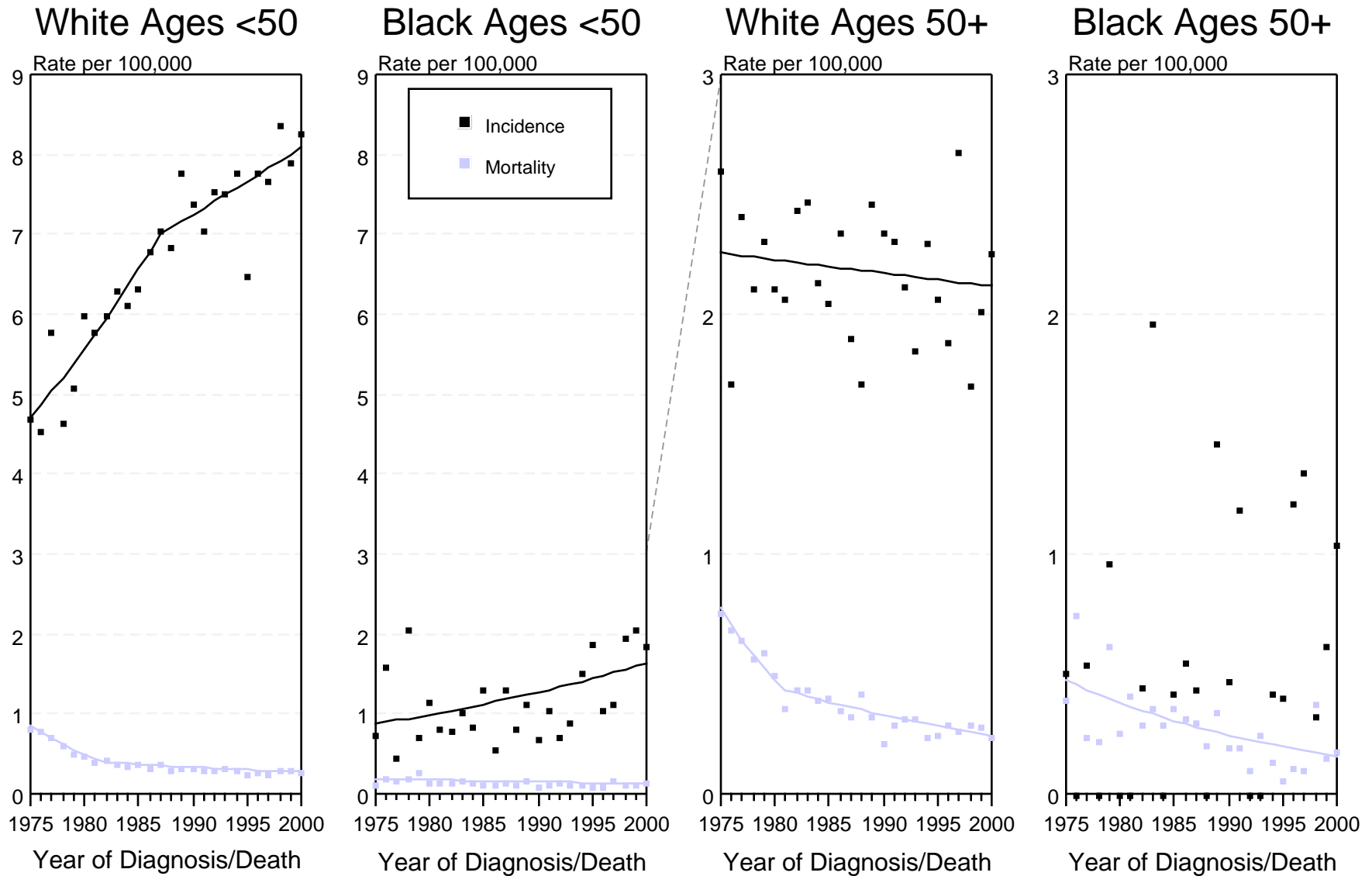


Figure XXIV-2

+ Source: SEER 9 areas and NCHS public use data file. 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.  
Regression line could not be calculated for the Black Male 50+ Incidence Rates due to years with a rate of zero.