

Table XXV-1
TESTIS CANCER (Invasive)

TRENDS IN SEER INCIDENCE^a AND U.S. MORTALITY^b USING THE JOINPOINT REGRESSION PROGRAM, 1975-2003
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>	
		<u>Year</u>	<u>APC</u>	<u>Year</u>	<u>APC</u>	<u>Year</u>	<u>APC</u>	<u>Year</u>	<u>APC</u>
<u>SEER Cancer Incidence^a</u>									
All Races	All Ages	1975-1989	2.4*	1989-2003	0.6				
All Races	Under 50	1975-1989	2.8*	1989-2003	0.7				
All Races	50 and Over	1975-2003	-0.3						
White	All Ages	1975-1989	2.6*	1989-2003	0.8*				
White	Under 50	1975-1987	3.4*	1987-2003	1.1*				
White	50 and Over	1975-2003	-0.2						
Black	All Ages	1975-2003	2.5*						
Black	Under 50	1975-2003	2.4*						
<u>SEER Delay-Adjusted Incidence^a</u>									
All Races	All Ages	1975-2003	1.4*						
All Races	Under 50	1975-1989	2.7*	1989-2003	0.8*				
All Races	50 and Over	1975-2003	-0.2						
White	All Ages	1975-2003	1.7*						
White	Under 50	1975-1987	3.4*	1987-2003	1.2*				
White	50 and Over	1975-2003	-0.1						
Black	All Ages	1975-2003	2.6*						
Black	Under 50	1975-2003	2.5*						
<u>U.S. Cancer Mortality^b</u>									
All Races	All Ages	1975-1981	-10.5*	1981-1995	-3.1*	1995-2003	0.2		
All Races	Under 50	1975-1982	-10.7*	1982-2003	-1.9*				
All Races	50 and Over	1975-1994	-5.2*	1994-2003	2.0				
White	All Ages	1975-1981	-10.8*	1981-1995	-2.9*	1995-2003	0.1		
White	Under 50	1975-1982	-10.9*	1982-2003	-1.8*				
White	50 and Over	1975-1990	-5.9*	1990-2003	-0.1				
Black	All Ages	1975-2003	-2.1*						
Black	Under 50	1975-2003	-1.5*						
Black	50 and Over	1975-2003	-2.6*						

Joinpoint Regression Program Version 3.1, April 2006, 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 XXV-2
TESTIS CANCER (Invasive)

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

	<u>All Races, Males</u>			<u>White Males</u>			<u>Black Males</u>		
	All	<50	50+	All	<50	50+	All	<50	50+
<u>SEER INCIDENCE RATES</u>									
YEAR OF DIAGNOSIS:									
1975	3.7	4.2	2.4	4.2	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	4.0	4.7	2.1	-	-	-
1979	3.9	4.5	2.2	4.3	5.1	2.3	-	-	-
1980	4.3	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	5.4	1.9	5.0	6.1	2.1	-	-	-
1985	4.5	5.5	1.8	5.1	6.3	2.1	-	-	-
1986	4.8	5.8	2.2	5.6	6.8	2.4	-	-	-
1987	5.0	6.3	1.8	5.7	7.1	1.9	-	-	-
1988	4.6	5.8	1.5	5.5	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	7.0	2.3	-	-	-
1992	5.1	6.4	1.8	6.0	7.6	2.0	-	-	-
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	1.2	1.5	-
1995	4.5	5.6	1.8	5.2	6.4	2.1	1.5	1.9	-
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	5.6	7.1	1.6	6.6	8.4	1.8	1.5	2.0	-
1999	5.4	6.8	1.8	6.3	7.9	2.0	1.6	2.0	-
2000	5.7	7.2	2.0	6.8	8.4	2.3	1.5	1.9	-
2001	5.5	6.8	2.1	6.5	8.1	2.3	1.7	1.8	-
2002	5.7	7.1	1.9	6.9	8.6	2.3	1.3	1.6	-
2003	5.2	6.5	1.8	6.3	7.9	1.9	1.1	-	-
1975-2003	4.9	6.0	1.9	5.7	7.0	2.2	1.1	1.3	0.6

^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 XXV-3
TESTIS CANCER (Invasive)

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

	<u>All Races, Males</u>			<u>White Males</u>			<u>Black Males</u>		
	All	<50	50+	All	<50	50+	All	<50	50+
<u>U.S. DEATH RATES</u>									
YEAR OF DEATH:									
1975	0.7	0.7	0.7	0.8	0.8	0.8	0.2	-	-
1976	0.7	0.7	0.7	0.8	0.8	0.7	0.4	0.2	-
1977	0.6	0.7	0.6	0.7	0.7	0.6	0.2	-	-
1978	0.6	0.6	0.5	0.6	0.6	0.6	0.2	0.2	-
1979	0.5	0.5	0.6	0.5	0.5	0.6	0.4	0.3	-
1980	0.5	0.4	0.5	0.5	0.5	0.5	0.2	-	-
1981	0.4	0.4	0.4	0.4	0.4	0.4	0.2	-	-
1982	0.4	0.4	0.4	0.4	0.4	0.4	0.2	-	-
1983	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	-
1984	0.3	0.3	0.4	0.4	0.4	0.4	0.2	-	-
1985	0.4	0.3	0.4	0.4	0.4	0.4	0.2	-	-
1986	0.3	0.3	0.3	0.3	0.3	0.4	0.2	-	-
1987	0.3	0.4	0.3	0.4	0.4	0.3	0.2	0.2	-
1988	0.3	0.3	0.4	0.3	0.3	0.4	0.2	-	-
1989	0.3	0.3	0.3	0.3	0.3	0.3	0.2	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	0.1	-	-
1992	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	-
1993	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	-
1994	0.3	0.3	0.2	0.3	0.3	0.2	0.1	0.1	-
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	0.1	-	-
1997	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	-
1998	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	-
1999	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	-
2000	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.2	-
2001	0.2	0.2	0.3	0.3	0.3	0.2	0.2	-	-
2002	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	-
2003	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.1	-
1975-2003	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.1	0.3

^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 XXV-4
TESTIS 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, 2000-2003</u>						
AGE AT DIAGNOSIS/DEATH:						
All ages	5.3	6.2	1.5	0.3	0.3	0.2
Under 65	5.9	7.0	1.7	0.2	0.3	0.1
65 and over	1.1	1.2	-	0.3	0.3	0.4
All ages(IARC world std) ^c	4.9	5.8	1.4	0.2	0.2	0.1
<u>AGE-SPECIFIC RATES, 2000-2003</u>						
AGE AT DIAGNOSIS/DEATH:						
<1	0.7	-	-	-	-	-
1-4	0.3	0.4	-	-	-	-
5-9	-	-	-	-	-	-
10-14	0.2	-	-	-	-	-
15-19	3.4	4.0	-	0.1	0.1	-
20-24	9.3	11.0	2.5	0.3	0.3	-
25-29	11.7	13.9	3.2	0.4	0.5	-
30-34	12.9	15.4	3.6	0.4	0.5	-
35-39	11.6	13.5	3.7	0.4	0.5	-
40-44	9.4	11.1	1.8	0.4	0.5	-
45-49	6.2	7.3	1.7	0.4	0.4	-
50-54	4.2	4.8	-	0.3	0.3	-
55-59	2.2	2.4	-	0.2	0.2	-
60-64	1.5	1.7	-	0.2	0.2	-
65-69	1.4	1.6	-	0.2	0.2	-
70-74	0.8	0.9	-	0.3	0.3	-
75-79	1.0	1.0	-	0.3	0.3	-
80-84	1.0	1.0	-	0.4	0.4	-
85+	-	-	-	0.6	0.6	-

^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 XXV-5
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 ^a	-	-	-	63	-	-	-	-	-
1970-1973 ^a	-	-	-	72	-	-	-	-	-
1975-1977 ^b	82.7	83.2	78.2	82.7	83.3	78.1	82.0 ^f	85.0 ^f	-
1978-1980 ^b	89.0	89.3	84.2	89.4	89.7	85.1	72.7 ^f	77.1 ^f	-
1981-1983 ^b	92.2	92.6	87.1	92.5	92.9	87.4	87.5 ^f	84.7 ^f	-
1984-1986 ^b	92.7	93.6	82.3	93.2	94.0	82.6	87.0 ^f	89.4 ^f	-
1987-1989 ^b	95.0	94.9	95.5	95.3	95.3	95.2	88.4 ^f	87.8 ^f	-
1990-1992 ^b	95.8	95.8	94.4	96.2	96.1	95.4	83.6 ^f	88.6 ^f	-
1993-1995 ^b	95.9	96.4	86.7	96.1	96.6	87.8	88.7	89.9	-
1996-2002 ^b	96.1 ^e	96.6 ^e	89.9 ^e	96.4 ^e	96.8 ^e	90.5 ^e	88.8	90.1	-
<u>5-YR PERIOD SURVIVAL RATES^{cd}</u>									
YEAR OF DIAGNOSIS:									
1996-2002	95.9	96.1	93.3	96.1	96.2	93.9	91.0	93.2	-
<u>STAGE DISTRIBUTION (%) 1996-2002^c</u>									
All Stages									
Number of cases	9,706	8,900	806	8,995	8,246	749	288	261	27
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	70	70	66	70	71	66	59	61	48
Regional	18	18	19	18	17	18	22	21	26
Distant	11	11	13	11	11	13	16	16	15
Unstaged	1	1	3	1	1	3	3	2	11
<u>5-YR RELATIVE SURVIVAL RATES, 1996-2002^c</u>									
AGE AT DIAGNOSIS:									
<45	96.0	-	-	96.2	-	-	92.0	-	-
45-54	95.7	-	-	96.1	-	-	89.8 ^f	-	-
55-64	91.9	-	-	92.6	-	-	-	-	-
65-74	80.5 ^f	-	-	82.4 ^f	-	-	-	-	-
75+	64.2 ^g	-	-	70.3 ^g	-	-	-	-	-
Under 65	95.9	-	-	96.1	-	-	90.8	-	-
65 and over	76.3 ^f	-	-	79.9 ^f	-	-	-	-	-
STAGE:									
All Stages	95.7	95.9	92.1	95.9	96.2	93.0	90.0	91.7	54.8 ^g
Localized	99.5	99.5	99.1	99.5	99.5	99.7	98.8	100.0	-
Regional	96.3	96.4	92.9	96.2	96.1	93.8	96.1	98.6	-
Distant	70.1	71.5	53.8 ^f	71.5	73.1	54.1 ^f	51.7 ^f	51.6 ^f	-
Unstaged	87.5	91.3	67.6 ^g	88.8	91.7	72.3 ^g	-	-	-

^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 2003.
^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 2000-2002. The remaining 13 SEER Areas contribute cases for the entire period 1996-2002. Rates are based on follow-up of patients into 2003.
^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 (2000-2002: 0-1 year survival), (1999-2001: 1-2 year survival), (1998-2000: 2-3 year survival), (1997-1999: 3-4 year survival), (1996-1998: 4-5 years survival).
^e The difference in rates between 1975-1977 and 1996-2002 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 XXV-6
TESTIS 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
Relative Survival Rates (SEER ^b)																				
1-year	93.4	96.1	97.1	98.1	98.2	98.7	98.2	98.2	98.5	98.0	96.7	97.7	98.3	97.9	97.4	98.2	96.9	98.0	98.7	98.1
2-year	88.7	92.7	94.0	96.6	97.2	96.6	95.9	96.7	97.0	96.7	95.8	96.5	97.5	96.4	95.7	96.7	96.4	96.8	97.6	
3-year	86.6	92.1	93.3	96.5	96.3	95.8	95.2	96.2	95.9	95.6	95.2	96.0	96.5	95.9	95.2	96.4	95.8	95.9		
4-year	85.7	91.5	92.7	95.9	95.6	95.3	94.9	96.2	95.5	95.5	95.1	96.0	96.4	95.9	95.0	96.3	95.7			
5-year	85.2	91.2	92.5	95.4	95.2	94.8	94.9	96.2	95.5	95.4	95.1	95.9	96.4	95.9	95.0	96.1				
6-year	84.9	91.0	92.2	95.4	94.6	94.6	94.8	96.0	95.4	95.0	95.1	95.9	96.4	95.9	95.0					
7-year	84.7	90.8	92.2	95.4	94.4	94.4	94.4	95.9	95.3	94.8	95.1	95.8	96.4	95.9						
8-year	84.7	90.5	91.5	95.4	94.4	93.6	94.3	95.8	95.1	94.3	95.1	95.1	96.4							
9-year	84.7	90.1	91.5	95.3	94.4	93.4	94.0	95.8	95.0	94.3	94.9	95.1								
10-year	84.0	90.0	91.2	94.9	94.4	93.4	94.0	95.8	94.8	94.3	94.9									
11-year	83.5	89.8	90.6	94.8	94.4	93.4	94.0	95.8	94.7	94.3										
12-year	83.3	89.8	90.5	94.5	94.2	93.4	94.0	95.7	94.6											
13-year	83.0	89.5	90.0	94.5	94.0	93.4	93.8	95.7												
14-year	82.6	89.1	89.1	94.4	93.8	93.4	93.8													
15-year	82.4	88.8	88.9	94.4	93.8	93.4														
16-year	82.0	88.4	88.9	94.4	93.8															
17-year	81.5	88.1	88.6	94.4																
18-year	81.0	88.1	87.8																	
19-year	80.5	88.1																		
20-year	80.5																			

^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 XXV-7
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 (17 SEER Areas) With Cancer and
 Lifetime Risk (Percent) of Dying (Total U.S.) From Cancer

2001-2003

<u>Race/Ethnicity</u>	<u>Current Age</u>	<u>+10 yrs</u>	<u>+20 yrs</u>	<u>+30 yrs</u>	<u>Eventually</u>
All Races	0	0.00	0.02	0.12	0.36
	10	0.02	0.12	0.24	0.36
	20	0.10	0.22	0.29	0.34
	30	0.12	0.19	0.22	0.24
	40	0.07	0.11	0.12	0.13
	50	0.03	0.05	0.05	0.06
	60	0.01	0.02	0.02	0.03
White	0	0.00	0.03	0.15	0.42
	10	0.03	0.14	0.28	0.42
	20	0.12	0.26	0.34	0.40
	30	0.14	0.23	0.26	0.29
	40	0.09	0.12	0.14	0.15
	50	0.04	0.05	0.06	0.06
	60	0.02	0.02	0.03	0.03
Black	0	0.00	0.01	0.03	0.10
	10	0.01	0.03	0.06	0.10
	20	0.02	0.06	0.08	0.10
	30	0.03	0.05	0.06	0.07
	40	0.02	0.03	0.04	0.04
	50	0.01	0.02	0.02	0.02
	60	0.01	0.01	0.01	0.01
Asian/Pacific Islander	0	0.00	0.01	0.04	0.11
	10	0.01	0.04	0.07	0.11
	20	0.03	0.06	0.08	0.10
	30	0.03	0.05	0.06	0.07
	40	0.02	0.03	0.03	0.04
	50	0.01	0.01	0.02	0.02
	60	0.00	0.01	0.01	0.01
Hispanic ^a	0	0.00	0.03	0.11	0.26
	10	0.02	0.11	0.19	0.26
	20	0.09	0.17	0.21	0.24
	30	0.08	0.12	0.14	0.15
	40	0.04	0.06	0.06	0.07
	50	0.02	0.03	0.03	0.03
	60	0.01	0.01	0.01	0.01

<u>Race/Ethnicity</u>	<u>Lifetime Risk of Developing</u>	<u>Lifetime Risk of Dying</u>
All Races	0.36%	0.02%
White	0.42%	0.02%
Black	0.10%	0.01%
Asian/Pacific Islander	0.11%	0.01%
Hispanic ^a	0.26%	0.02%

Devcan Version 6.1.0, 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 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 Hawaii, Seattle, Alaska Native Registry and Kentucky. Underlying mortality data for Hispanics exclude deaths from Minnesota, New Hampshire and North Dakota.

Table XXV-8
TESTIS CANCER (Invasive)

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

SEER Incidence

RACE/ETHNICITY	Rate 2000-2003 ^b	Trend 1994-2003 ^c
	Rate per 100,000 persons	APC (%)
	Males	Males
All Races	5.3	0.8
White	6.2	1.2*
White Hispanic ^d	3.9	2.3*
White Non-Hispanic ^d	7.1	1.7*
Black	1.5	0.3
Asian/Pacific Islander	1.7	-1.8
Amer Ind/Alaska Nat ^e	3.7	-
Hispanic ^d	3.8	2.2*

U.S. Mortality^f

RACE/ETHNICITY	Rate 2000-2003	Trend 1994-2003
	Rate per 100,000 persons	APC (%)
	Males	Males
All Races	0.3	0.1
White	0.3	0.1
White Hispanic ^d	0.3	-1.2
White Non-Hispanic ^d	0.3	-0.1
Black	0.2	4.5
Asian/Pacific Islander	0.1	-
Amer Ind/Alaska Nat	-	-
Hispanic ^d	0.2	-0.9

- 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 Hawaii, Seattle, Alaska Native Registry and Kentucky. The 2000-2003 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1994-2003 Hispanic and Non-Hispanic mortality trends exclude deaths from Maine, Minnesota, New Hampshire, North Dakota, and Oklahoma.
- ^e Incidence data for American Indians/Alaska Natives include cases from Connecticut, Detroit, Iowa, New Mexico, Seattle, Utah, Atlanta, and the Alaska Native Registry. Incidence rates are for diagnosis years 1999-2002. Incidence trends are for diagnosis years 1994-2002.
- ^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 XXV-9
TESTIS CANCER (Invasive)

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

	<u>All Races</u>			<u>Whites</u>	<u>Blacks</u>	<u>Asian/Pacific Islanders</u>	<u>Hispanics^b</u>
	<u>All Ages</u>	<u>Ages <50</u>	<u>Ages 50+</u>	<u>All Ages</u>	<u>All Ages</u>	<u>All Ages</u>	<u>All Ages</u>
<u>SEER INCIDENCE RATES^a, 2000-2003</u>							
REGISTRY							
17 SEER Areas ^c	5.3	6.5	2.0	6.2	1.5	1.7	3.8
13 SEER Areas ^c	5.3	6.6	1.9	6.3	1.4	1.8	3.7
11 SEER Areas ^c	5.3	6.6	1.9	6.3	1.4	1.8	3.7
9 SEER Areas ^c	5.5	6.9	1.9	6.6	1.4	2.1	3.8
San Francisco-Oakland	5.1	6.3	1.9	6.5	2.2	1.5	4.1
Connecticut	5.7	7.1	1.9	6.3	-	-	2.3
Metropolitan Detroit	5.2	6.3	2.4	6.7	1.4	-	-
Hawaii	4.2	5.6	-	5.9	-	3.6	-
Iowa	6.6	8.4	2.1	6.8	-	-	-
New Mexico	5.8	7.1	2.1	6.2	-	-	5.3
Seattle-Puget Sound	6.2	8.0	1.7	7.1	-	-	-
Utah	6.7	8.3	2.4	7.0	-	-	4.1
Metropolitan Atlanta	4.0	5.0	1.4	5.8	1.0	-	2.1
San Jose-Monterey	5.2	6.2	2.4	6.3	-	1.7	3.9
Los Angeles	4.6	5.7	1.6	5.5	1.3	1.4	3.6
Rural Georgia	-	-	-	-	-	-	-
California exclud. SF/SJM/LA	5.4	6.5	2.5	6.1	1.6	1.4	4.0
Kentucky	5.1	6.4	1.4	5.4	-	-	-
Louisiana	4.5	5.4	2.0	5.9	1.5	-	-
New Jersey	5.8	7.2	2.2	7.0	1.8	1.6	3.7

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

^b 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 Hawaii, Seattle, Alaska Native Registry and Kentucky.

^c 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 XXV-10
TESTIS CANCER (Invasive)

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

	<u>All Races</u>			<u>Whites</u>	<u>Blacks</u>	<u>Asian/Pacific Islanders</u>	<u>Hispanics^b</u>
	<u>All Ages</u>	<u>Ages <50</u>	<u>Ages 50+</u>	<u>All Ages</u>	<u>All Ages</u>	<u>All Ages</u>	<u>All Ages</u>
<u>SEER DEATH RATES^a, 2000-2003</u>							
REGISTRY							
17 SEER Areas ^c	0.2	0.2	0.3	0.3	0.2	-	0.2
13 SEER Areas ^c	0.2	0.2	0.3	0.3	-	-	0.2
11 SEER Areas ^c	0.2	0.2	0.3	0.3	-	-	0.2
9 SEER Areas ^c	0.2	0.2	0.3	0.2	-	-	-
San Francisco-Oakland	0.2	-	-	0.3	-	-	-
Connecticut	-	-	-	-	-	-	-
Metropolitan Detroit	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-
Iowa	0.4	-	-	0.4	-	-	-
New Mexico	-	-	-	-	-	-	-
Seattle-Puget Sound	0.2	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-
Metropolitan Atlanta	-	-	-	-	-	-	-
San Jose-Monterey	-	-	-	-	-	-	-
Los Angeles	0.3	0.3	-	0.3	-	-	0.3
Rural Georgia	-	-	-	-	-	-	-
California exclud. SF/SJM/LA	0.3	0.3	0.3	0.3	-	-	0.2
Kentucky	-	-	-	-	-	-	-
Louisiana	0.2	-	-	0.3	-	-	-
New Jersey	0.2	0.2	-	0.3	-	-	-
Total U.S.	0.3	0.2	0.3	0.3	0.2	0.1	0.2

^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 Hispanic is not mutually exclusive from Whites, Blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. The 2000-2003 Hispanic death rates do not include deaths from Minnesota, New Hampshire and North Dakota.

^c 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 XXV-11
TESTIS CANCER (Invasive)AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH^a RATES BY STATE, ALL RACES, 2000-2003

Males

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	0.3	0.01							
High Five States									
Montana	0.5 ^b	0.17	(01)	66.7	Montana	0.5 ^b	0.17	(01)	66.7
Oregon	0.4 ^b	0.08	(02)	33.3	Nebraska	0.2 ^b	0.08	(39)	-33.3
Iowa	0.4 ^b	0.09	(03)	33.3	Nevada	0.3	0.10	(09)	0.0
North Dakota	0.4 ^b	0.18	(04)	33.3	New Hampshire	0.4 ^b	0.12	(06)	33.3
Mississippi	0.4 ^b	0.09	(05)	33.3	New Jersey	0.2 ^b	0.04	(29)	-33.3
Low Five States					New Mexico	0.3	0.09	(13)	0.0
Arkansas	0.1 ^b	0.05	(47)	-66.7	New York	0.2 ^b	0.03	(23)	-33.3
Alaska	0.1 ^b	0.09	(48)	-66.7	North Carolina	0.2 ^b	0.04	(28)	-33.3
Delaware	0.1 ^b	0.09	(49)	-66.7	North Dakota	0.4 ^b	0.18	(04)	33.3
Kentucky	0.1 ^b	0.04	(50)	-66.7	Ohio	0.3	0.04	(07)	0.0
Vermont	0.1 ^b	0.08	(51)	-66.7	Oklahoma	0.2 ^b	0.06	(34)	-33.3
					Oregon	0.4 ^b	0.08	(02)	33.3
Alabama	0.2 ^b	0.05	(41)	-33.3	Pennsylvania	0.2 ^b	0.03	(24)	-33.3
Alaska	0.1 ^b	0.09	(48)	-66.7	Rhode Island	0.2 ^b	0.11	(25)	-33.3
Arizona	0.3	0.06	(08)	0.0	South Carolina	0.3	0.06	(17)	0.0
Arkansas	0.1 ^b	0.05	(47)	-66.7	South Dakota	0.1 ^b	0.09	(46)	-66.7
California	0.3	0.02	(14)	0.0	Tennessee	0.2 ^b	0.05	(31)	-33.3
Colorado	0.2 ^b	0.05	(42)	-33.3	Texas	0.3	0.03	(15)	0.0
Connecticut	0.2 ^b	0.06	(37)	-33.3	Utah	0.2 ^b	0.08	(21)	-33.3
Delaware	0.1 ^b	0.09	(49)	-66.7	Vermont	0.1 ^b	0.08	(51)	-66.7
District of Columbia	0.3	0.16	(16)	0.0	Virginia	0.2 ^b	0.03	(43)	-33.3
Florida	0.3	0.03	(10)	0.0	Washington	0.3	0.05	(12)	0.0
Georgia	0.2 ^b	0.03	(45)	-33.3	West Virginia	0.2 ^b	0.07	(44)	-33.3
Hawaii	0.3	0.10	(18)	0.0	Wisconsin	0.2 ^b	0.05	(32)	-33.3
Idaho	0.3	0.12	(11)	0.0	Wyoming	0.2 ^b	0.13	(40)	-33.3
Illinois	0.2 ^b	0.03	(38)	-33.3					
Indiana	0.2 ^b	0.04	(35)	-33.3					
Iowa	0.4 ^b	0.09	(03)	33.3					
Kansas	0.2 ^b	0.07	(33)	-33.3					
Kentucky	0.1 ^b	0.04	(50)	-66.7					
Louisiana	0.2 ^b	0.05	(22)	-33.3					
Maine	0.2 ^b	0.10	(26)	-33.3					
Maryland	0.2 ^b	0.05	(30)	-33.3					
Massachusetts	0.3	0.04	(20)	0.0					
Michigan	0.2 ^b	0.03	(36)	-33.3					
Minnesota	0.3	0.05	(19)	0.0					
Mississippi	0.4 ^b	0.09	(05)	33.3					
Missouri	0.2 ^b	0.05	(27)	-33.3					

^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 Absolute percent difference between state rate and total U.S. rate is 15% or more.

^c 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 XXV-12
TESTIS CANCER (Invasive)

Estimated United States Cancer Prevalence Counts^a on January 1, 2003
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 <13 ^e	0 to <28 ^e	>=28 ^g	Complete ^h
<u>Race</u>									
All Races ^b	38,559	33,206	30,241	24,435	18,120	90,268	151,951	19,479	171,430
White ^b	36,138	31,413	29,082	23,510	17,496	85,258	144,730	18,749	163,479
Black ^b	1,145	728	365	412	324	2,081	3,092	179	3,271
Asian/Pacific Islander ^c	611	466	+	+	+	1,333	+	+	+
Hispanic ^d	3,578	2,568	+	+	+	7,581	+	+	+

Estimated prevalence percent^a on January 1, 2003, 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	0.0473%	0.0019%	0.0051%	0.0513%	0.1090%	0.0938%	0.0451%	0.0172%	0.0085%	0.0049%	0.0458%
White ^c	0.0570%	0.0019%	0.0059%	0.0627%	0.1329%	0.1115%	0.0530%	0.0204%	0.0103%	0.0057%	0.0550%
Black ^c	0.0109%	-	0.0028%	0.0080%	0.0265%	0.0239%	0.0128%	-	-	-	0.0109%
Asian/Pacific Islander ^c	0.0167%	0.0029%	0.0022%	0.0184%	0.0321%	0.0353%	0.0161%	0.0035%	-	-	0.0157%
Hispanic ^d	0.0309%	0.0023%	0.0053%	0.0426%	0.0698%	0.0552%	0.0215%	0.0112%	-	-	0.0291%

^a US 2003 cancer prevalence counts are based on 2003 cancer prevalence proportions from the SEER registries and 1/1/2003 US population estimates based on the average of 2002 and 2003 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 excluding Hawaii and Seattle.

^e Maximum limited-duration prevalence: 28 years for 1975-2003 SEER 9 data; 13 years for 1990-2003 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 more than 28 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 <28 and >=28.

- 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+ Testis Cancer, by Race

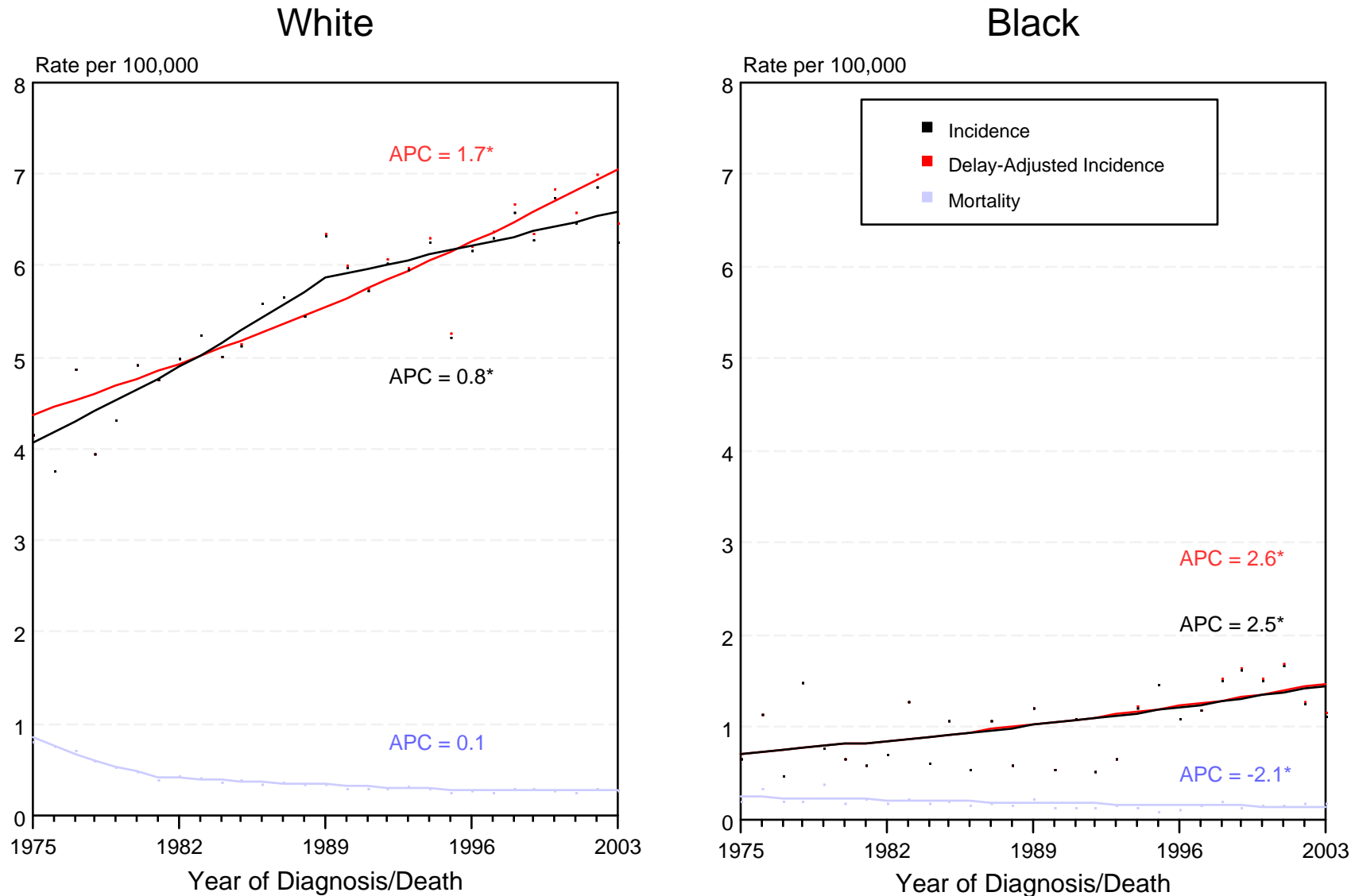


Figure XXV-1

+ 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 3.1, April 2006, 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+ Testis Cancer, by Age and Race

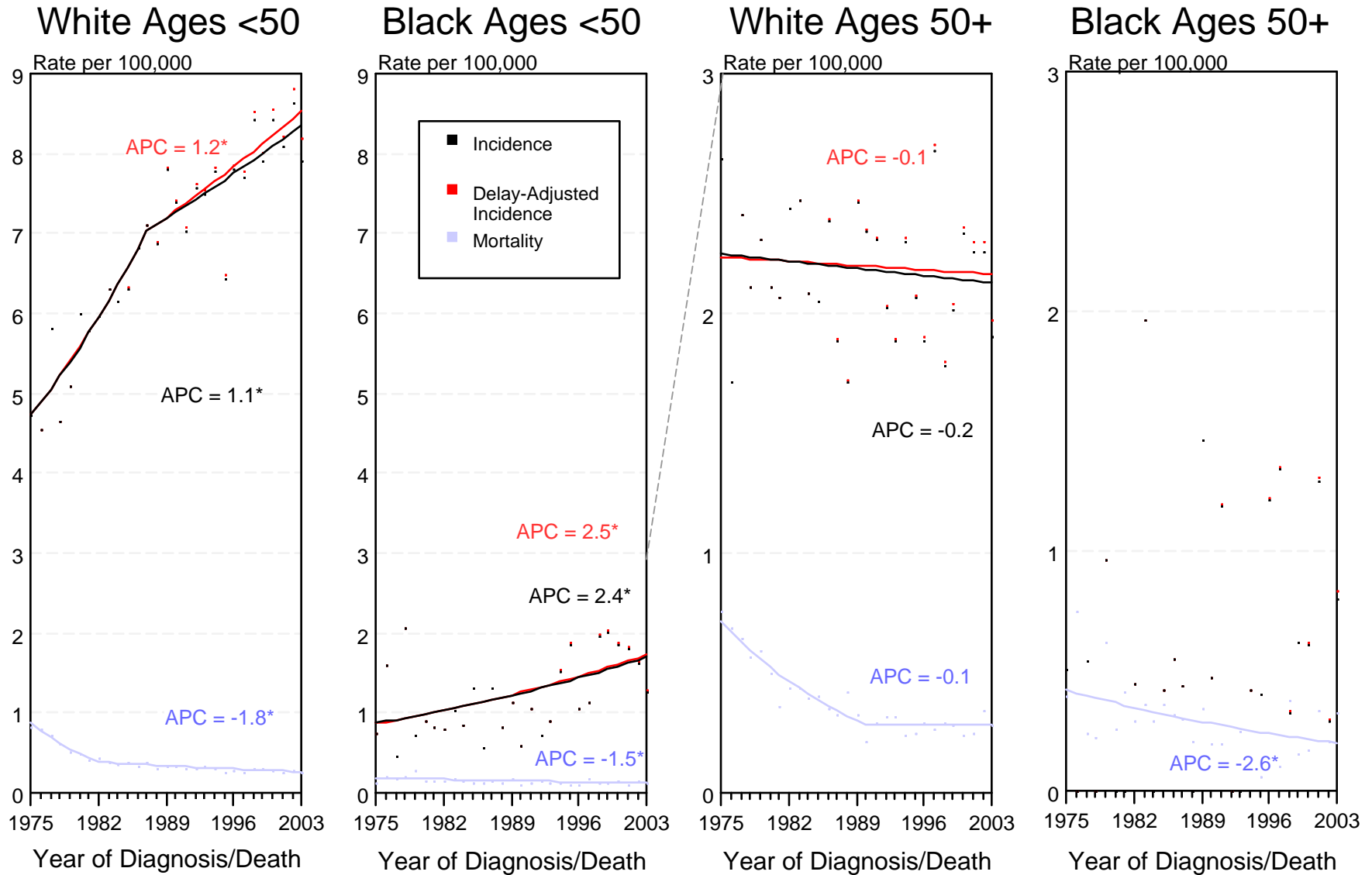


Figure XXV-2

+ 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 3.1, April 2006, 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* Testis Cancer

Joinpoint Analyses for Whites and Blacks from 1975-2003
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2003

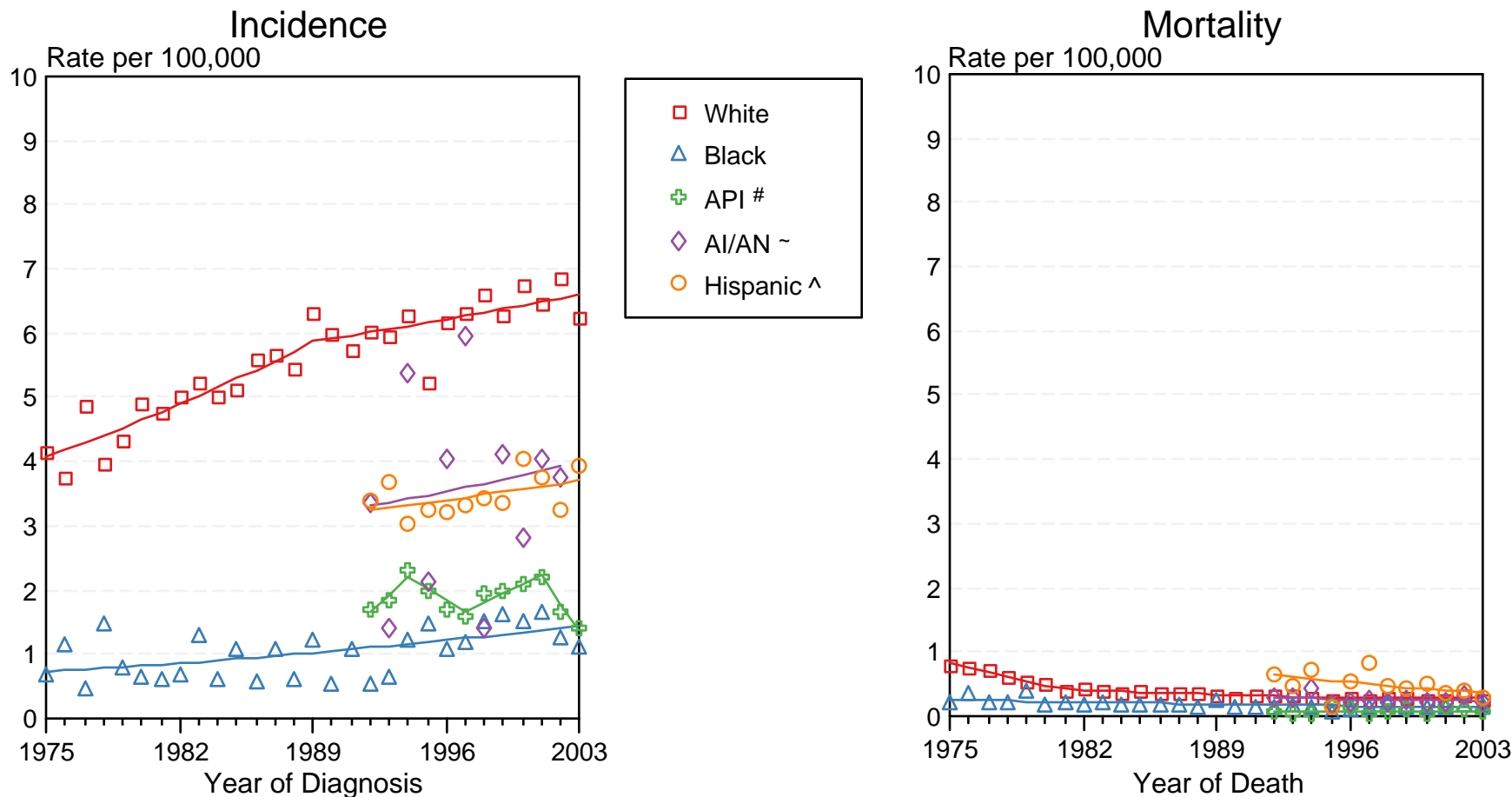


Figure XXV-3

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 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.

* 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 3.1, April 2006, National Cancer Institute.

API = Asian/Pacific Islander.

~ AI/AN = American Indian/Alaska Native. Incidence data for AI/AN include cases from Connecticut, Detroit, Iowa, New Mexico, Seattle, Utah, Atlanta and the Alaska Native Registry for the time period 1992-2002. Mortality data are from the entire US for the time period 1992-2003.

^ 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 Hawaii, Seattle, and the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.