Table 27.1 Cancer of the Urinary Bladder (Invasive and In Situ)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints, Both Sexes by Race/Ethnicity

| | Joinpoint 7 | rend 1 | Joinpoint ' | Frend 2 | Joinpoint ' | Frend 3 | Joinpoint ' | Trend 4 | Joinpoint | Trend 5 | AAI | 5Cq |
|------------------------|----------------------------|------------|---------------|---------|-------------|---------|-------------|---------|-----------|---------|-----------|-----------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 1997-2006 | 2002-2006 |
| SEER 9 Delay-A | djusted Incid | lenceª, 19 | 975-2006 | | | | | | | | | |
| All Races | 1975-1987 | 0.8* | 1987-1996 | -0.2 | 1996-1999 | 1.6 | 1999-2006 | -0.4 | | | 0.1 | -0.4 |
| White | 1975-1987 | 1.0* | 1987-1996 | 0.0 | 1996-1999 | 1.9 | 1999-2006 | -0.2 | | | 0.3 | -0.2 |
| Black | 1975-2006 | 0.2 | | | | | | | | | 0.2 | 0.2 |
| SEER 13 Delay- | Adjusted Inci | denceb, 1 | 1992-2006 | | | | | | | | | |
| All Races | 1992-1994 | -1.4 | 1994-2004 | 0.3 | 2004-2006 | -2.0 | | | | | -0.2 | -0.9 |
| White | 1992-2004 | 0.4* | 2004-2006 | -2.0 | | | | | | | -0.2 | -0.8 |
| Black | 1992-2006 | 0.6 | | | | | | | | | 0.6 | 0.6 |
| SEER 9 Observe | d Incidence ^a , | 1975-200 | 06 | | | | | | | | | |
| All Races | 1975-1987 | 0.8* | 1987-1996 | -0.2 | 1996-1999 | 1.7 | 1999-2006 | -0.7* | | | -0.2 | -0.7* |
| White | 1975-1987 | 1.0* | 1987-1996 | -0.1 | 1996-2000 | 1.4 | 2000-2006 | -0.8* | | | -0.1 | -0.8* |
| Black | 1975-2006 | 0.2 | | | | | | | | | 0.2 | 0.2 |
| SEER 13 Observ | ed Incidenceb | , 1992-20 | 006 | | | | | | | | | |
| All Races | 1992-2004 | 0.1 | 2004-2006 | -2.5 | | | | | | | -0.5 | -1.2 |
| White | 1992-2004 | 0.2 | 2004-2006 | -3.1 | | | | | | | -0.5 | -1.5 |
| White NH ^{ef} | 1992-2004 | 0.4* | 2004-2006 | -3.1 | | | | | | | -0.4 | -1.4 |
| Black | 1992-2006 | 0.3 | | | | | | | | | 0.3 | 0.3 |
| Black NH ^{ef} | 1992-2006 | 0.3 | | | | | | | | | 0.3 | 0.3 |
| API ^e | 1992-2006 | 0.2 | | | | | | | | | 0.2 | 0.2 |
| AI/AN ^{eg} | 1992-2006 | 2.1 | | | | | | | | | 2.1 | 2.1 |
| Hispanic ^e | 1992-2006 | -0.3 | | | | | | | | | -0.3 | -0.3 |
| | | | | | | | | | | | | |

U.S. Cancer Mortality^c, 1975-2006

All Races

White

Black

U.S. Cancer Mortality^c, 1992-2006

All Races

White

White NH^{ef}

Black

Black NH^{ef}

 ${\tt API}^{\tt e}$

AI/AN^{eg}

Hispanic^e

Joinpoint Regression Program Version 3.3.1, April 2008, 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).
Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- d The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
 - 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. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, ME, MD, MN, NH, NY, ND, OK and VT.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- * The APC/AAPC is significantly different from zero (p<.05).</p>
- Joinpoint regression line analysis could not be performed on data series.

Table 27.2 Cancer of the Urinary Bladder (Invasive and In Situ)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints, Males by Race/Ethnicity

| | Joinpoint Trend Years APC | | Joinpoint 7 | rend 2 | <u>Joinpoint T</u> Years | rend 3 | <u>Joinpoint :</u> Years | Frend 4 | <u>Joinpoint</u> Years | Trend 5 APC | AAI | 2002-2006 |
|---|--|--|--------------------------------------|--------------|-----------------------------|--------|-----------------------------|----------------|---------------------------|----------------|--|--|
| | | | | APC | rears | APC | iears | APC | iears | APC | 1997-2000 | 2002-2000 |
| SEER 9 Delay-A All Races White Black | 1975-1987 1975-1987 1975-1987 1975-2006 | 0.9* 1.0* 0.2 | 1987-2006 1987-2006 1987-2006 | 0.0 | | | | | | | 0.0 0.1 0.2 | 0.0 0.1 0.2 |
| SEER 13 Delay- All Races White Black | -Adjusted Inci 1992-2006 1992-2006 1992-2006 | -0.1 0.1 0.3 | 1992-2006 | | | | | | | | -0.1 0.1 0.3 | -0.1 0.1 0.3 |
| SEER 9 Observe All Races White Black | ed Incidence ^a , 1975-1987 1975-1987 1975-2006 | 1.0* 1.2* 0.1 | 0 <u>6</u> 1987-1996 1987-1995 | -0.5 -0.6 | 1996-1999 1995-2000 | 1.8 | 1999-2006 2000-2006 | -0.8* -0.9* | | | -0.2 -0.2 0.1 | -0.8* -0.9* 0.1 |
| SEER 13 Observable All Races White White NHef Black Black NHef APIe AI/ANeg Hispanice U.S. Cancer Mo All Races White Black | 1992-2006 1992-2006 1992-2006 1992-2006 1992-2006 1992-2006 1992-2006 1992-2006 | -0.2 -0.1 0.1 0.1 0.0 0.7* 2.3 -0.4 | <u>006</u> | | | | | | | | -0.2 -0.1 0.1 0.1 0.0 0.7* 2.3 -0.4 | -0.2 -0.1 0.1 0.1 0.0 0.7* 2.3 -0.4 |
| U.S. Cancer Mc All Races White NH ^{ef} Black Black NH ^{ef} API ^e AI/AN ^{eg} Hispanic ^e | ortality ^c , 199 | <u>2-2006</u> | | | | | | | | | | |

Joinpoint Regression Program Version 3.3.1, April 2008, 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). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).

Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic

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. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, ME, MD, MN, NH, NY, ND, OK and VT.

Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

Joinpoint regression line analysis could not be performed on data series.

Table 27.3 Cancer of the Urinary Bladder (Invasive and In Situ)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints, Females by Race/Ethnicity

| | Joinpoint ' | Trend 1 | Joinpoint | Trend 2 | Joinpoint | Trend 3 | Joinpoint | Trend 4 | Joinpoint | Trend 5 | AAI | C^d |
|------------------------|-----------------------------|------------------------|-----------|---------|-----------|---------|-----------|----------|-----------|---------|-----------|-----------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 1997-2006 | 2002-2006 |
| SEER 9 Delay-A | diusted Incid | dence ^a . 1 | 975-2006 | | | | | | | | | |
| All Races | 1975-2006 | 0.2* | | | | | | | | | 0.2* | 0.2* |
| White | 1975-2006 | 0.4* | | | | | | | | | 0.4* | 0.4* |
| Black | 1975-2006 | 0.5 | | | | | | | | | 0.5 | 0.5 |
| SEER 13 Delay- | -Adjusted Inc | idence ^b , | 1992-2006 | | | | | | | | | |
| All Races | 1992-2006 | -0.3* | | | | | | | | | -0.3* | -0.3* |
| White | 1992-2004 | 0.0 | 2004-2006 | -2.4 | | | | | | | -0.5 | -1.2 |
| Black | 1992-2006 | 1.0 | | | | | | | | | 1.0* | 1.0* |
| SEER 9 Observe | | | | | | | | | | | | |
| All Races | 1975-2003 | 0.2* | 2003-2006 | -2.3 | | | | | | | -0.6 | -1.7 |
| White | 1975-2003 | 0.4* | 2003-2006 | -3.0 | | | | | | | -0.7 | -2.1 |
| Black | 1975-2006 | 0.4 | | | | | | | | | 0.4 | 0.4 |
| SEER 13 Observ | | | 2006 | | | | | | | | | |
| All Races | 1992-2006 | -0.4* | | | | | | | | | -0.4* | -0.4* |
| White | 1992-2004 | -0.1 | 2004-2006 | -3.6 | | | | | | | -0.9* | -1.9* |
| White NH ^{ef} | 1992-2004 | 0.1 | 2004-2006 | -3.8 | | | | | | | -0.8 | -1.8* |
| Black | 1992-2006 | 0.7 | | | | | | | | | 0.7 | 0.7 |
| Black NH ^{ef} | 1992-2006 | 0.8 | | | | | | | | | 0.8 | 0.8 |
| API ^e | 1992-2006 | -0.3 | | | | | | | | | -0.3 | -0.3 |
| AI/AN ^{eg} | 1992-2006 | 2.9 | | | | | | | | | 2.9 | 2.9 |
| Hispanic ^e | 1992-2006 | -0.4 | | | | | | | | | -0.4 | -0.4 |
| U.S. Cancer Mo | ortality ^c , 197 | <u> 75-2006</u> | | | | | | | | | | |
| All Races | | | | | | | | | | | | |
| White | | | | | | | | | | | | |
| Black | | | | | | | | | | | | |
| U.S. Cancer Mo | ortality ^c , 199 | 2-2006 | | | | | | | | | | |
| All Races | | | | | | | | | | | | |
| White | | | | | | | | | | | | |
| White NH ^{ef} | | | | | | | | | | | | |
| Black | | | | | | | | | | | | |
| Black NH ^{ef} | | | | | | | | | | | | |
| API ^e | | | | | | | | | | | | |
| AI/AN ^{eg} | | | | | | | | | | | | |
| Hispanic ^e | | | | | | | | | | | | |
| T_3 | int Dogwoodie | D | | 1 3 | 2000 Nati | | T | h | .la | - / | £ /\ | |

Joinpoint Regression Program Version 3.3.1, April 2008, 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).
Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).

Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic

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. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, ME, MD, MN, NH, NY, ND, OK and VT.

Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

* The APC/AAPC is significantly different from zero (p<.05).</p>

Joinpoint regression line analysis could not be performed on data series.

Table 27.4

Cancer of the Urinary Bladder (Invasive and In Situ)

Age-adjusted SEER Incidence Rates by Year, Race and Sex

| | | All Races | <u> </u> | | Whites | | | Blacks | |
|-------------------------|-------|-----------|----------|-------|--------|---------|-------|--------|---------|
| - | | | Females | Total | Males | Females | Total | Males | Females |
| war of plantale. | | | | | | | | | |
| Year of Diagnosis: 1975 | 19.31 | 34.35 | 8.88 | 20.21 | 36.37 | 9.16 | 10.56 | 16.34 | 6.26 |
| 1976 | 19.31 | 34.35 | 9.44 | 20.21 | 36.37 | 9.16 | 12.48 | 18.16 | 8.59 |
| 1976 | 18.99 | 34.39 | 8.88 | 20.73 | 35.58 | 9.73 | 13.45 | 22.67 | 7.06 |
| 1977 | 19.99 | 35.39 | 9.44 | 21.08 | 37.86 | 9.18 | 11.73 | 19.36 | 6.39 |
| 1979 | | 35.37 | 9.38 | | 38.18 | 9.73 | 10.35 | 15.61 | 6.54 |
| | 19.98 | | | 21.30 | | | | | |
| 1980 | 20.42 | 37.14 | 8.91 | 21.54 | 39.85 | 9.06 | 13.33 | 18.23 | 9.98 |
| 1981 | 20.69 | 36.34 | 9.75 | 21.95 | 38.76 | 10.31 | 11.60 | 20.72 | 5.48 |
| 1982 | 20.08 | 35.81 | 9.52 | 21.38 | 38.32 | 10.15 | 12.19 | 21.77 | 5.60 |
| 1983 | 20.05 | 36.02 | 9.01 | 21.33 | 38.70 | 9.43 | 12.17 | 18.70 | 7.57 |
| 1984 | 20.85 | 37.71 | 9.17 | 22.35 | 40.89 | 9.63 | 11.42 | 18.77 | 6.24 |
| 1985 | 20.68 | 36.38 | 9.87 | 22.09 | 39.29 | 10.34 | 12.99 | 20.33 | 8.02 |
| 1986 | 21.04 | 37.94 | 9.43 | 22.44 | 40.82 | 9.95 | 12.94 | 22.17 | 6.63 |
| 1987 | 21.66 | 39.52 | 9.24 | 23.18 | 42.83 | 9.58 | 13.28 | 21.78 | 7.50 |
| 1988 | 20.85 | 38.08 | 8.99 | 22.72 | 41.85 | 9.68 | 11.29 | 17.99 | 6.45 |
| 1989 | 21.03 | 37.42 | 9.64 | 22.74 | 40.94 | 10.20 | 11.32 | 17.49 | 7.16 |
| 1990 | 21.07 | 37.48 | 9.63 | 22.60 | 40.75 | 10.01 | 12.69 | 18.59 | 8.75 |
| 1991 | 20.91 | 37.62 | 9.32 | 22.69 | 41.25 | 9.88 | 12.92 | 19.69 | 8.50 |
| 1992 | 21.25 | 37.50 | 9.82 | 22.95 | 40.72 | 10.51 | 12.48 | 20.82 | 6.89 |
| 1993 | 21.23 | 37.63 | 9.70 | 22.85 | 40.57 | 10.38 | 14.11 | 24.40 | 7.76 |
| 1994 | 20.79 | 36.85 | 9.45 | 22.60 | 40.23 | 10.18 | 12.28 | 20.01 | 6.91 |
| 1995 | 20.64 | 36.24 | 9.55 | 22.44 | 39.50 | 10.28 | 11.87 | 18.30 | 7.39 |
| 1996 | 20.77 | 36.58 | 9.55 | 22.62 | 39.96 | 10.28 | 12.21 | 19.78 | 7.28 |
| 1997 | 21.03 | 37.06 | 9.55 | 22.91 | 40.59 | 10.19 | 12.54 | 19.97 | 7.98 |
| 1998 | 21.56 | 38.44 | 9.45 | 23.58 | 42.11 | 10.18 | 11.80 | 20.18 | 6.38 |
| 1999 | 21.73 | 38.15 | 9.97 | 23.60 | 41.55 | 10.60 | 14.58 | 22.63 | 9.44 |
| 2000 | 21.76 | 38.66 | 9.49 | 23.80 | 42.28 | 10.25 | 13.08 | 20.13 | 8.53 |
| 2001 | 21.58 | 38.13 | 9.61 | 23.85 | 42.03 | 10.58 | 11.50 | 18.44 | 7.01 |
| 2002 | 21.11 | 36.76 | 9.68 | 23.18 | 40.28 | 10.54 | 12.42 | 17.74 | 8.76 |
| 2003 | 21.30 | 37.19 | 9.65 | 23.49 | 40.93 | 10.53 | 12.52 | 20.51 | 7.17 |
| 2004 | 21.15 | 37.22 | 9.40 | 23.30 | 40.94 | 10.22 | 13.01 | 21.16 | 7.95 |
| 2005 | 21.38 | 37.57 | 9.47 | 23.39 | 41.29 | 10.06 | 13.13 | 21.02 | 7.80 |
| 2006 | 20.46 | 36.05 | 8.94 | 22.38 | 39.45 | 9.61 | 11.14 | 16.85 | 7.29 |
| 1975-2006 | 20.10 | 37.03 | 9.42 | 22.50 | 40.25 | 10.00 | 12.43 | 19.78 | 7.51 |
| 17,7 2000 | 20.00 | 57.05 | J. 14 | 22.50 | 10.23 | 10.00 | 14.10 | 17.70 | , . J I |

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 27.6 Cancer of the Urinary Bladder(Invasive and In Situ)

SEER Incidence^a and U.S. Death^b Rates, Age-Adjusted and Age-Specific Rates, by Race and Sex

| | | All Races | | | Whites | | | Blacks | |
|--|----------------------|----------------------|---|----------------------|-----------------------|---|--|--|---|
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| SEER Incidence Age at Diagnosis Age-Adjusted Rates, 2002-2006 All ages Under 65 65 and over | 21.0 6.0 124.9 | 37.1 9.4 228.9 | 9.3 2.8 53.9 | 22.8 6.6 134.9 | 40.3 10.2 248.1 | 9.9 3.1 56.9 | 12.8 3.8 74.9 | 20.0 5.8 118.4 | 7.9 2.1 48.2 |
| All ages (IARC world std) ^c | 12.4 | 21.1 | 5.5 | 13.5 | 23.0 | 5.9 | 7.6 | 11.8 | 4.5 |
| Age-Specific Rates, 2002-2006 <1 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 75-79 80-84 85+ | | | - - 0.2 0.3 0.4 0.9 1.9 3.5 6.9 13.1 21.7 34.2 46.4 60.8 73.2 78.5 | | | - - 0.2 0.4 0.4 1.0 2.1 3.9 7.6 14.3 23.8 37.1 49.6 64.1 76.1 | - - - - - 1.0 2.3 4.7 10.0 19.6 26.8 50.9 65.4 86.5 | - - - - - 1.6 3.5 6.8 15.7 30.7 41.1 79.7 101.6 137.2 161.8 155.2 | - - - - - - 1.2 2.9 5.2 10.3 15.5 29.0 40.0 55.1 68.4 72.2 |

U.S. Mortality Age at Death Age-Adjusted Rates, 2002-2006 All ages Under 65 65 and over All ages (IARC world std)^c Age-Specific Rates, 2002-2006 <1 1 - 4

15-19 20 - 2425-29 30 - 3435-39 40 - 4445-49 50-54 55-59 60-64 65-69 70 - 7475-79 80 - 84

85+

5-9 10-14

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.

US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130), unless noted.

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 27.7 Cancer of the Urinary Bladder (Invasive and In Situ)

Survival Rates, by Race, Sex, Diagnosis Year, Stage and Age

| | | All Races | | | Whites | | | Blacks | |
|---------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Total Males Female | | | Total | Males | Females | Total | Males | Females |
| | | | | | | | | | |
| 5-Year Relative Survival | Rates | | | | | | | | |
| Year of Diagnosis: | | | | | | | 2.4 | | |
| 1960-1963 ^a | _ | _ | - | 53 | 53 | 53 | 24 | 24 | 24 |
| 1970-1973 ^a | - | - | - | 61 | 61 | 60 | 36 | 38 | 27 |
| 1975-1977 ^b | 73.5 | 74.9 | 69.7 | 74.5 | 75.5 | 71.5 | 50.6 | 56.8 | 38.8 ^f |
| 1978-1980 ^b | 76.0 | 77.2 | 72.7 | 76.9 | 77.6 | 74.8 | 55.6 | 64.3 | 40.8 ^f |
| 1981-1983 ^b | 78.5 | 79.9 | 74.9 | 79.3 | 80.4 | 76.3 | 60.1 | 65.4 | 48.4 ^f |
| 1984-1986 ^b | 78.2 | 79.5 | 74.6 | 78.7 | 79.9 | 75.5 | 61.0 | 64.0 | 54.2 ^f |
| 1987-1989 ^b | 80.6 | 82.8 | 74.1 | 81.5 | 83.5 | 75.4 | 63.3 | 68.1 | 54.0 ^f |
| 1990-1992 | 80.9 | 83.3 | 74.0 | 81.9 | 84.2 | 75.2 | 64.8 | 67.6 | 60.2 |
| 1993-1995 ^b | 81.5 | 83.1 | 76.9 | 82.2 | 83.4 | 78.8 | 61.9 | 69.1 | 46.8 |
| 1996-1998 ^b | 80.1 | 81.1 | 77.2 | 80.7 | 81.7 | 77.8 | 62.3 | 65.1 | 55.3 |
| 1999-2005 ^b | 81.7 ^e | 83.0 ^e | 78.2 ^e | 82.6 ^e | 83.5 ^e | 80.0 ^e | 67.8 ^e | 71.5 ^e | 61.0 ^e |
| 5-Year Period Survival Ra | - +cd | | | | | | | | |
| | ates | | | | | | | | |
| Year of Diagnosis: | 00.2 | 01 0 | 75.0 | 00.6 | 01 0 | 76 7 | 60.4 | 71 0 | 61.0 |
| 1999-2005 | 80.3 | 81.8 | 75.8 | 80.6 | 81.9 | 76.7 | 68.4 | 71.8 | 61.8 |
| Stage Distribution (%) 19 | 999-2005° | | | | | | | | |
| All Stages | | | | | | | | | |
| Number of cases | 72,583 | 54,093 | 18,490 | 65,545 | 49,207 | 16,338 | 3,454 | 2,184 | 1,270 |
| Percent | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| In Situ | 50 | 51 | 48 | 51 | 51 | 49 | 36 | 39 | 30 |
| Localized | 36 | 36 | 35 | 35 | 36 | 35 | 40 | 39 | 41 |
| Regional | 8 | 7 | 8 | 7 | 7 | 8 | 12 | 11 | 14 |
| Distant | 4 | 3 | 5 | 4 | 3 | 5 | 7 | 5 | 10 |
| Unstaged | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 |
| 5-Year Relative Survival | Rates, 1999- | 2005 ^c | | | | | | | |
| Age at Diagnosis: | | | | | | | | | |
| Ages <45 | 90.4 | 91.3 | 88.2 | 91.4 | 92.0 | 89.8 | 78.2 | 79.1 | 74.8 ^f |
| Ages 45-54 | 85.3 | 85.4 | 84.9 | 85.9 | 85.8 | 86.3 | 73.0 | 77.4 | 60.5 ^f |
| Ages 55-64 | 84.7 | 84.8 | 84.3 | 85.1 | 85.0 | 85.5 | 73.0 | 75.4 | 67.3 |
| Ages 65-74 | 80.1 | 81.1 | 76.8 | 80.6 | 81.3 | 78.5 | 65.3 | 71.3 | 54.5 |
| Ages 75+ | 72.7 | 75.9 | 65.3 | 73.4 | 76.4 | 66.5 | 52.0 | 53.8 | 48.2 |
| Ages <65 | 85.6 | 85.7 | 85.1 | 86.0 | 86.0 | 86.3 | 74.1 | 76.9 | 67.3 |
| Ages 65+ | 76.5 | 78.7 | 70.6 | 77.2 | 79.0 | 72.0 | 58.9 | 63.8 | 51.5 |
| Stage: | | | | | | | | | |
| All Stages | 80.0 | 81.5 | 75.7 | 80.5 | 81.7 | 77.0 | 66.5 | 71.5 | 57.3 |
| In Situ | 97.2 | 97.3 | 97.0 | 97.3 | 97.2 | 97.4 | 96.5 | 98.1 | 91.6 |
| Localized | 74.3 | 76.3 | 68.3 | 74.7 | 76.6 | 68.9 | 63.1 | 65.8 | 58.0 |
| Regional | 36.2 | 37.1 | 33.9 | 36.7 | 37.1 | 35.4 | 30.0 | 36.1 | 21.8 |
| Distant | 5.8 | 5.9 | 5.5 | 5.7 | 6.3 | 4.4 | 7.8 | 0.0 | 11.4 |
| Unstaged | 56.0 | 60.6 | 44.4 | 55.1 | 59.1 | 44.7 | 44.1 ^f | 49.2 ^f | 33.7 ^f |
| on our | 30.0 | 00.0 | | 33.1 | 37.1 | 11. | **** | 17.2 | 33.7 |

Rates are based on End Results data from a series of hospital registries and one population-based registry.

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 2006.

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 2000-2005. The remaining 13 SEER Areas contribute cases for the entire period 1999-2005. Rates are based on follow-up of patients into 2006. 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 year calendar blocks (2003-2005: 0-1 year survival),

^{(2002-2004: 1-2} year survival), (2001-2003: 2-3 year survival), (2000-2002: 3-4 year survival), (1999-2001: 4-5 years survival).

The difference in rates between 1975-1977 and 1999-2005 is statistically significant (p<.05).

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

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

Statistic could not be calculated due to fewer than 25 cases during the time period.

Table 27.8 Cancer of the Urinary Bladder (Invasive and In Situ)

Survival Ratesa By Year of Diagnosis

All Races, Males and Females

Year of Diagnosis

| | 1975- 1979 | 1980- 1984 | 1985- 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|----------------|---------------|----------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Relative Survi | val Rates | (SEER ^b) | | | | | | | | | | | | | | | | | |
| 1-year | 87.5 | 89.4 | 90.5 | 90.1 | 90.3 | 90.5 | 91.0 | 91.3 | 91.1 | 90.1 | 91.6 | 91.3 | 90.6 | 91.5 | 91.5 | 90.5 | 91.0 | 91.3 | 91.2 |
| 2-year | 81.3 | 84.5 | 85.8 | 86.2 | 85.7 | 85.6 | 86.5 | 86.7 | 87.1 | 86.0 | 86.6 | 86.7 | 85.6 | 87.0 | 87.0 | 86.6 | 86.4 | 86.8 | |
| 3-year | 78.4 | 81.7 | 83.1 | 83.4 | 83.6 | 83.1 | 84.1 | 84.8 | 84.6 | 83.9 | 83.5 | 83.8 | 83.0 | 84.3 | 85.3 | 84.8 | 84.5 | | |
| 4-year | 76.0 | 79.6 | 81.1 | 82.1 | 82.4 | 82.4 | 82.5 | 82.6 | 82.5 | 81.9 | 81.4 | 82.1 | 81.2 | 82.6 | 83.7 | 82.7 | | | |
| 5-year | 74.5 | 78.1 | 79.7 | 81.3 | 80.9 | 80.4 | 81.1 | 81.3 | 82.0 | 80.6 | 79.5 | 80.1 | 79.5 | 81.6 | 83.2 | | | | |
| 6-year | 73.1 | 76.6 | 78.5 | 80.1 | 79.7 | 79.1 | 79.6 | 79.8 | 80.2 | 79.6 | 78.0 | 78.7 | 78.5 | 80.9 | | | | | |
| 7-year | 71.6 | 75.5 | 77.4 | 79.0 | 77.4 | 77.3 | 78.2 | 78.2 | 78.5 | 79.1 | 77.2 | 78.0 | 77.7 | | | | | | |
| 8-year | 70.5 | 74.6 | 76.2 | 77.2 | 75.9 | 76.1 | 77.6 | 77.8 | 77.6 | 78.0 | 76.7 | 76.7 | | | | | | | |
| 9-year | 69.4 | 73.3 | 75.4 | 75.3 | 75.0 | 75.5 | 76.5 | 77.0 | 76.3 | 77.2 | 75.9 | | | | | | | | |
| 10-year | 67.9 | 72.5 | 74.4 | 73.4 | 73.9 | 74.5 | 75.9 | 76.8 | 75.8 | 76.4 | | | | | | | | | |
| 11-year | 66.6 | 71.7 | 73.6 | 72.2 | 73.3 | 73.8 | 75.4 | 76.0 | 75.3 | | | | | | | | | | |
| 12-year | 65.8 | 70.9 | 72.3 | 71.0 | 72.9 | 73.7 | 75.1 | 75.3 | | | | | | | | | | | |
| 13-year | 65.3 | 70.4 | 71.3 | 70.8 | 72.0 | 73.4 | 74.6 | | | | | | | | | | | | |
| 14-year | 64.5 | 69.4 | 70.1 | 70.2 | 72.0 | 72.8 | | | | | | | | | | | | | |
| 15-year | 64.0 | 68.4 | 69.2 | 70.1 | 70.3 | | | | | | | | | | | | | | |
| 16-year | 63.5 | 67.2 | 68.3 | 68.6 | | | | | | | | | | | | | | | |
| 17-year | 63.2 | 66.6 | 68.0 | | | | | | | | | | | | | | | | |
| 18-year | 63.0 | 66.0 | | | | | | | | | | | | | | | | | |
| 19-year | 63.0 | 65.7 | | | | | | | | | | | | | | | | | |
| 20-year | 62.8 | 65.5 | | | | | | | | | | | | | | | | | |

Survival rates are relative rates expressed as percents.
Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Table 27.9 Cancer of the Urinary Bladder (Invasive and In Situ)

Survival Ratesa By Year of Diagnosis

All Races, Males

Year of Diagnosis

| | 1975- 1979 | 1980- 1984 | 1985- 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|------------------|---------------|----------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Relative Surviva | l Rates | (SEER ^b) | | | | | | | | | | | | | | | | | |
| 1-year | 89.5 | 90.7 | 92.1 | 92.1 | 91.7 | 92.1 | 92.7 | 93.1 | 92.6 | 91.5 | 93.2 | 92.9 | 92.2 | 92.7 | 92.1 | 92.5 | 92.7 | 92.5 | 92.8 |
| 2-year | 83.3 | 86.0 | 87.5 | 88.4 | 87.8 | 87.8 | 88.8 | 88.4 | 88.6 | 87.4 | 88.4 | 88.4 | 87.2 | 88.3 | 87.5 | 89.2 | 88.0 | 88.4 | |
| 3-year | 80.2 | 83.3 | 84.9 | 85.8 | 86.0 | 85.9 | 86.5 | 86.5 | 86.1 | 85.2 | 85.4 | 85.1 | 84.6 | 85.2 | 86.1 | 87.3 | 86.0 | | |
| 4-year | 77.7 | 81.1 | 82.9 | 84.4 | 84.9 | 85.2 | 84.5 | 84.0 | 83.7 | 82.9 | 83.0 | 83.2 | 82.6 | 83.3 | 84.4 | 84.7 | | | |
| 5-year | 75.8 | 79.4 | 81.5 | 83.7 | 82.9 | 83.1 | 82.8 | 82.7 | 83.4 | 81.5 | 80.8 | 81.0 | 80.6 | 82.2 | 83.9 | | | | |
| 6-year | 74.3 | 78.0 | 80.3 | 82.3 | 81.4 | 81.9 | 81.8 | 80.9 | 81.6 | 80.6 | 79.0 | 79.8 | 79.3 | 81.7 | | | | | |
| 7-year | 72.6 | 76.9 | 79.0 | 80.8 | 78.5 | 79.8 | 80.1 | 79.2 | 80.0 | 79.8 | 78.1 | 79.2 | 78.5 | | | | | | |
| 8-year | 71.4 | 76.0 | 77.7 | 78.9 | 76.8 | 78.2 | 79.8 | 78.7 | 79.0 | 78.6 | 77.8 | 77.6 | | | | | | | |
| 9-year | 70.0 | 74.7 | 76.8 | 76.5 | 75.7 | 77.1 | 79.2 | 78.1 | 77.1 | 78.0 | 76.9 | | | | | | | | |
| 10-year | 68.4 | 73.9 | 75.7 | 75.2 | 74.3 | 76.1 | 78.6 | 78.0 | 76.8 | 76.9 | | | | | | | | | |
| 11-year | 66.8 | 73.2 | 74.9 | 73.7 | 73.8 | 75.3 | 78.4 | 77.0 | 76.4 | | | | | | | | | | |
| 12-year | 66.0 | 72.3 | 73.4 | 72.5 | 73.6 | 74.8 | 78.1 | 76.1 | | | | | | | | | | | |
| 13-year | 65.3 | 71.8 | 72.4 | 72.5 | 72.9 | 74.4 | 77.2 | | | | | | | | | | | | |
| 14-year | 64.6 | 70.5 | 71.2 | 71.9 | 72.9 | 74.4 | | | | | | | | | | | | | |
| 15-year | 64.3 | 69.5 | 70.3 | 71.2 | 71.7 | | | | | | | | | | | | | | |
| 16-year | 63.4 | 67.9 | 69.2 | 69.7 | | | | | | | | | | | | | | | |
| 17-year | 63.1 | 67.3 | 69.0 | | | | | | | | | | | | | | | | |
| 18-year | 62.8 | 66.7 | | | | | | | | | | | | | | | | | |
| 19-year | 62.8 | 66.7 | | | | | | | | | | | | | | | | | |
| 20-year | 62.4 | 66.6 | | | | | | | | | | | | | | | | | |

Survival rates are relative rates expressed as percents.
Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Table 27.10 Cancer of the Urinary Bladder (Invasive and In Situ)

Survival Ratesa By Year of Diagnosis

All Races, Females

Year of Diagnosis

| | 1975- 1979 | 1980- 1984 | 1985- 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|----------------|---------------|----------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Relative Survi | val Rates | (SEER ^b) | | | | | | | | | | | | | | | | | |
| 1-year | 81.9 | 85.8 | 85.6 | 84.3 | 85.9 | 85.8 | 86.4 | 86.2 | 87.1 | 86.0 | 87.0 | 86.4 | 86.1 | 87.7 | 89.7 | 84.7 | 86.2 | 87.7 | 86.6 |
| 2-year | 75.9 | 80.0 | 80.5 | 79.8 | 79.6 | 79.2 | 79.8 | 81.9 | 83.1 | 81.9 | 81.2 | 81.8 | 81.0 | 82.8 | 85.5 | 79.1 | 81.9 | 82.2 | |
| 3-year | 73.5 | 77.2 | 77.8 | 76.4 | 76.6 | 75.5 | 77.4 | 80.2 | 80.4 | 80.2 | 78.0 | 80.1 | 78.2 | 81.4 | 83.2 | 77.7 | 80.4 | | |
| 4-year | 71.5 | 75.3 | 76.1 | 75.2 | 75.1 | 74.6 | 77.0 | 78.3 | 79.0 | 78.9 | 76.7 | 78.8 | 77.1 | 80.3 | 81.6 | 76.7 | | | |
| 5-year | 71.0 | 74.2 | 74.4 | 74.2 | 74.9 | 72.9 | 75.8 | 77.2 | 77.6 | 77.9 | 75.8 | 77.6 | 76.7 | 79.7 | 80.7 | | | | |
| 6-year | 69.9 | 72.8 | 73.5 | 73.6 | 74.8 | 71.1 | 73.4 | 76.5 | 76.2 | 76.8 | 75.2 | 75.5 | 76.1 | 78.2 | | | | | |
| 7-year | 68.7 | 71.4 | 73.0 | 73.6 | 73.8 | 70.1 | 72.7 | 75.5 | 74.4 | 76.8 | 74.6 | 74.6 | 75.4 | | | | | | |
| 8-year | 68.4 | 70.7 | 72.2 | 72.4 | 73.1 | 70.1 | 71.2 | 75.1 | 73.9 | 76.2 | 73.7 | 74.0 | | | | | | | |
| 9-year | 67.8 | 69.4 | 71.7 | 71.6 | 73.0 | 70.1 | 69.1 | 73.5 | 73.6 | 74.6 | 73.2 | | | | | | | | |
| 10-year | 66.6 | 68.4 | 70.8 | 68.4 | 72.9 | 70.1 | 68.4 | 73.0 | 72.8 | 74.5 | | | | | | | | | |
| 11-year | 65.9 | 67.6 | 69.9 | 67.4 | 71.9 | 69.3 | 67.1 | 73.0 | 72.0 | | | | | | | | | | |
| 12-year | 65.3 | 67.3 | 69.1 | 65.5 | 70.9 | 69.3 | 66.8 | 72.4 | | | | | | | | | | | |
| 13-year | 65.3 | 66.6 | 68.4 | 65.2 | 69.8 | 69.3 | 66.8 | | | | | | | | | | | | |
| 14-year | 64.1 | 66.3 | 67.2 | 65.2 | 69.8 | 65.8 | | | | | | | | | | | | | |
| 15-year | 63.3 | 65.7 | 66.2 | 65.2 | 66.0 | | | | | | | | | | | | | | |
| 16-year | 63.3 | 65.3 | 65.6 | 65.2 | | | | | | | | | | | | | | | |
| 17-year | 63.2 | 64.6 | 64.7 | | | | | | | | | | | | | | | | |
| 18-year | 63.2 | 63.9 | | | | | | | | | | | | | | | | | |
| 19-year | 63.2 | 62.9 | | | | | | | | | | | | | | | | | |
| 20-year | 63.2 | 62.7 | | | | | | | | | | | | | | | | | |

Survival rates are relative rates expressed as percents.
Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Table 27.12 Cancer of the Urinary Bladder

SEER Incidence (Invasive and $In\ Situ$) and U.S. Mortality Age-Adjusted Rates and Trends^a By Race/Ethnicity and Sex

| SEER Incidence | Rate | R 17 Are 2002-2 100,00 | | | ER 13 Ar nd 1997-2 AAPC (% | 2006° | | ER 9 Are nd 1997- AAPC (% | 2006 ^d |
|----------------------------------|--------------|------------------------------|------------------|-------|----------------------------------|---------|-------|---------------------------------|-------------------|
| DAGE / EMINIT GEMY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| RACE/ETHNICITY | | | | | | | | | |
| All Races | 21.0 | 37.1 | 9.3 | -0.5 | -0.2 | -0.4* | -0.2 | -0.2 | -0.6 |
| White | 22.8 | 40.3 | 9.9 | -0.5 | -0.1 | -0.9* | -0.1 | -0.2 | -0.7 |
| White Hispanic ^e | 11.7 | 20.2 | 5.4 | -0.5 | -0.6 | -0.5 | - | _ | - |
| White Non-Hispanic ^e | 24.3 | 42.9 | 10.5 | -0.4 | 0.1 | -0.8 | - | - | - |
| Black | 12.8 | 20.0 | 7.9 | 0.3 | 0.1 | 0.7 | 0.2 | 0.1 | 0.4 |
| Asian/Pacific Islander | 9.3 | 16.5 | 4.0 | 0.2 | 0.7* | -0.3 | - | - | - |
| Amer Ind/Alaska Nat ^f | 7.4 | 12.4 | 3.4 | - | _ | _ | _ | - | _ |
| Hispanic ^e | 11.4 | 19.8 | 5.3 | -0.3 | -0.4 | -0.4 | = | - | - |
| U.S. Mortality ^g | | e 2002-2 | 006 0 persons | | nd 1997-2 AAPC (%) | | | | |
| | - | • | - | | , , | | | | |
| | <u>Total</u> | Males | Females | Total | Males | Females | | | |

RACE/ETHNICITY

All Races

White White Hispanice White Non-Hispanice

Black

Asian/Pacific Islander

Amer Ind/Alaska Nat Total U.S. CHSDA Counties Non-CHSDA Counties

Hispanic^e

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

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.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends

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).

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

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2006.

The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2006.

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. The 2002-2006 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1997-2006 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

f Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006.

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

Table 27.13 Cancer of the Urinary Bladder

Age-Adjusted SEER Incidence Rates^a By Registry, Race and Sex

| | | ll Races | | | Whites | | | Blacks | |
|---|-------|----------|---------|-------|--------|---------|-------|--------|---------|
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| SEER Incidence Rates ^a , 2002-2006 | | | | | | | | | |
| Atlanta & Rural Georgia | 16.32 | 28.87 | 7.79 | 18.92 | 33.80 | 8.35 | 10.48 | 15.83 | 7.02 |
| Atlanta | 16.37 | 28.79 | 7.94 | 18.89 | 33.62 | 8.45 | 10.75 | 15.91 | 7.35 |
| Rural Georgia | 16.16 | 30.74 | 5.98 | 19.98 | 37.45 | 7.06 | 8.06 | _ | _ |
| California | 19.20 | 34.01 | 8.20 | 20.96 | 37.12 | 8.83 | 13.39 | 21.22 | 7.89 |
| Greater Bay Area | 18.48 | 32.22 | 8.36 | 21.77 | 37.83 | 9.82 | 12.31 | 19.75 | 7.11 |
| San Francisco-Oakland | 18.17 | 31.49 | 8.40 | 21.76 | 37.68 | 9.87 | 11.51 | 17.94 | 7.07 |
| San Jose-Monterey | 19.08 | 33.74 | 8.23 | 21.77 | 38.15 | 9.68 | 19.58 | 36.06 | - |
| Los Angeles | 17.78 | 31.93 | 7.62 | 19.49 | 35.17 | 8.13 | 14.56 | 23.51 | 8.74 |
| Greater California | 20.15 | 35.62 | 8.42 | 21.32 | 37.69 | 8.83 | 12.36 | 18.85 | 7.17 |
| Connecticut | 26.21 | 45.37 | 12.59 | 27.29 | 47.17 | 13.03 | 12.64 | 19.51 | 8.13 |
| Detroit | 24.02 | 42.92 | 10.96 | 26.55 | 47.75 | 11.61 | 13.70 | 21.73 | 8.46 |
| Hawaii | 15.09 | 26.18 | 6.22 | 25.93 | 43.05 | 11.21 | - | - | - |
| Iowa | 22.76 | 40.69 | 9.59 | 22.51 | 40.31 | 9.47 | 11.04 | - | - |
| Kentucky | 21.94 | 38.95 | 9.88 | 22.37 | 39.81 | 9.95 | 14.12 | 22.19 | 9.00 |
| Louisiana | 19.58 | 35.17 | 8.62 | 22.29 | 40.18 | 9.36 | 11.43 | 18.66 | 6.68 |
| New Jersey | 26.20 | 46.16 | 12.18 | 28.01 | 49.41 | 12.76 | 13.18 | 19.22 | 9.29 |
| New Mexico | 15.73 | 26.71 | 7.00 | 16.83 | 28.51 | 7.46 | - | - | - |
| Seattle-Puget Sound | 24.29 | 42.63 | 10.38 | 25.64 | 44.91 | 10.88 | 16.17 | 25.38 | 8.64 |
| Utah | 15.99 | 28.25 | 6.12 | 16.30 | 28.70 | 6.31 | - | - | = |
| 9 SEER Areas ^b | 21.07 | 36.94 | 9.42 | 23.13 | 40.56 | 10.18 | 12.42 | 19.40 | 7.78 |
| 11 SEER Areas ^b | 20.22 | 35.65 | 8.95 | 22.29 | 39.31 | 9.72 | 13.08 | 20.75 | 8.01 |
| 13 SEER Areas ^b | 20.19 | 35.61 | 8.93 | 22.29 | 39.31 | 9.71 | 13.00 | 20.68 | 7.94 |
| 17 SEER Areas ^b | 21.02 | 37.11 | 9.27 | 22.80 | 40.27 | 9.89 | 12.75 | 20.01 | 7.91 |

Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130)
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 27.18 Cancer of the Urinary Bladder (Invasive)

Estimated United States Cancer Prevalence Counts^a on January 1, 2006 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 | 25 to <30 | 0 to <16 ^e | 0 to <31 ^e | >=31 ^g | Completeh |
|------------------------|------------|---------|----------|-----------|-----------|-----------|-----------|-----------------------|-----------------------|-------------------|-----------|
| Race | Sex_ | | | | | | | | | | |
| All Races ^b | Both Sexes | 188,227 | 127,800 | 86,030 | 53,796 | 32,634 | 18,084 | 414,603 | 508,818 | 18,678 | 527,496 |
| | Males | 140,439 | 95,158 | 63,819 | 39,794 | 23,482 | 12,677 | 308,631 | 376,871 | 12,094 | 388,965 |
| | Females | 47,788 | 32,642 | 22,211 | 14,002 | 9,152 | 5,407 | 105,972 | 131,947 | 6,584 | 138,531 |
| White ^b | Both Sexes | 174,608 | 119,935 | 81,097 | 51,448 | 31,099 | 17,298 | 387,559 | 477,550 | 14,627 | 492,177 |
| | Males | 131,060 | 89,679 | 60,169 | 38,026 | 22,390 | 12,187 | 289,662 | 354,884 | 9,316 | 364,200 |
| | Females | 43,548 | 30,256 | 20,928 | 13,422 | 8,709 | 5,111 | 97,897 | 122,666 | 5,311 | 127,977 |
| Black ^b | Both Sexes | 8,208 | 4,408 | 3,180 | 1,522 | 933 | 422 | 16,177 | 18,748 | 305 | 19,053 |
| | Males | 5,275 | 2,854 | 2,322 | 1,165 | 641 | 256 | 10,719 | 12,575 | 245 | 12,820 |
| | Females | 2,933 | 1,554 | 858 | 357 | 292 | 166 | 5,458 | 6,173 | 60 | 6,233 |
| Asian/ | Both Sexes | 2,828 | 1,604 | 1,000 | + | + | + | 5,569 | + | + | + |
| Pacific | Males | 2,136 | 1,179 | 750 | + | + | + | 4,162 | + | + | + |
| Islander ^c | Females | 692 | 425 | 250 | + | + | + | 1,407 | + | + | + |
| Hispanic ^d | Both Sexes | 5,959 | 3,537 | 2,232 | + | + | + | 12,129 | + | + | + |
| | Males | 4,439 | 2,663 | 1,679 | + | + | + | 9,067 | + | + | + |
| | Females | 1,520 | 874 | 553 | + | + | + | 3,062 | + | + | + |

Estimated prevalence percent on January 1, 2006, of the SEER 11 population diagnosed in the previous 16 years By Age at Prevalence, Race/Ethnicity and Sex

| | | Age Specific (Crude) | | | | | | | | | | Age-Adjustedf |
|---------------------------------|---------------------------------------|-------------------------------|---------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Age at Prevalence | | All Ages | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | +08 | All Ages |
| Race_ All Races ^c | Sex Both Sexes Males Females | 0.1146% 0.1735% 0.0567% | 0.0001% | 0.0003% 0.0004% 0.0002% | 0.0019% 0.0024% 0.0015% | 0.0069% 0.0100% 0.0039% | 0.0294% 0.0445% 0.0142% | 0.1111% 0.1752% 0.0500% | 0.3557% 0.5813% 0.1521% | 0.7480% 1.3098% 0.3145% | 0.9882% 1.9667% 0.4453% | 0.1214% 0.2142% 0.0529% |
| White ^c | Both Sexes | 0.1365% | 0.0001% | 0.0003% | 0.0024% | 0.0083% | 0.0333% | 0.1268% | 0.4084% | 0.8532% | 1.0777% | 0.1370% |
| | Males | 0.2057% | - | 0.0005% | 0.0029% | 0.0115% | 0.0497% | 0.1971% | 0.6584% | 1.4838% | 2.1806% | 0.2407% |
| | Females | 0.0672% | - | - | 0.0018% | 0.0048% | 0.0165% | 0.0576% | 0.1767% | 0.3552% | 0.4729% | 0.0594% |
| Black ^c | Both Sexes | 0.0403% | - | - | - | 0.0036% | 0.0167% | 0.0636% | 0.1773% | 0.3302% | 0.4624% | 0.0584% |
| | Males | 0.0571% | - | - | - | 0.0058% | 0.0273% | 0.1042% | 0.2996% | 0.5451% | 0.7724% | 0.0975% |
| | Females | 0.0250% | - | - | - | 0.0016% | 0.0074% | 0.0298% | 0.0820% | 0.1872% | 0.3123% | 0.0325% |
| Asian/ | Both Sexes | 0.0482% | - | - | 0.0007% | 0.0020% | 0.0131% | 0.0404% | 0.1272% | 0.3125% | 0.5751% | 0.0539% |
| Pacific | Males | 0.0741% | - | - | - | 0.0029% | 0.0216% | 0.0659% | 0.2196% | 0.5525% | 1.0174% | 0.0943% |
| Islander ^c | Females | 0.0239% | - | - | - | 0.0012% | 0.0053% | 0.0179% | 0.0490% | 0.1366% | 0.2836% | 0.0241% |
| Hispanic ^d | Both Sexes | 0.0268% | - | - | 0.0008% | 0.0041% | 0.0149% | 0.0482% | 0.1589% | 0.3314% | 0.4865% | 0.0562% |
| | Males | 0.0387% | - | - | 0.0007% | 0.0052% | 0.0211% | 0.0735% | 0.2692% | 0.6008% | 0.9210% | 0.0991% |
| | Females | 0.0142% | - | - | 0.0009% | 0.0027% | 0.0083% | 0.0241% | 0.0654% | 0.1354% | 0.2339% | 0.0251% |

US 2006 cancer prevalence counts are based on 2006 cancer prevalence proportions from the SEER registries and 1/1/2006 US population estimates based on the average of 2005 and 2006 population estimates from the US Bureau of the Census. Prevalence was calculated using the First Malignant Primary Only for a person.
Statistics based on (b) SEER 9 Areas (c) SEER 11 Areas and Rural Georgia (d) NHIA for Hispanic for SEER 11 Areas and

Not available.

bcd Rural Georgia.

Maximum limited-duration prevalence: 31 years for 1975-2006 SEER 9 data; 16 years for 1990-2006 SEER 11 data (used to calculate prevalence for Hispanics and Asian Pacific Islanders).

Percentages are age-adjusted to the 2000 US Standard Population (19 age groups - Census P25-1130) by 5-year age groups. (g) Cases diagnosed more than 31 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 <31 and >=31. (i) Age-specific completeness index was approximated using empirical data from historical Connecticut tumor registry. f ghi

Statistic not shown. Statistic based on fewer than 5 cases estimated alive in SEER for the time interval.

SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Urinary Bladder, by Race and Sex

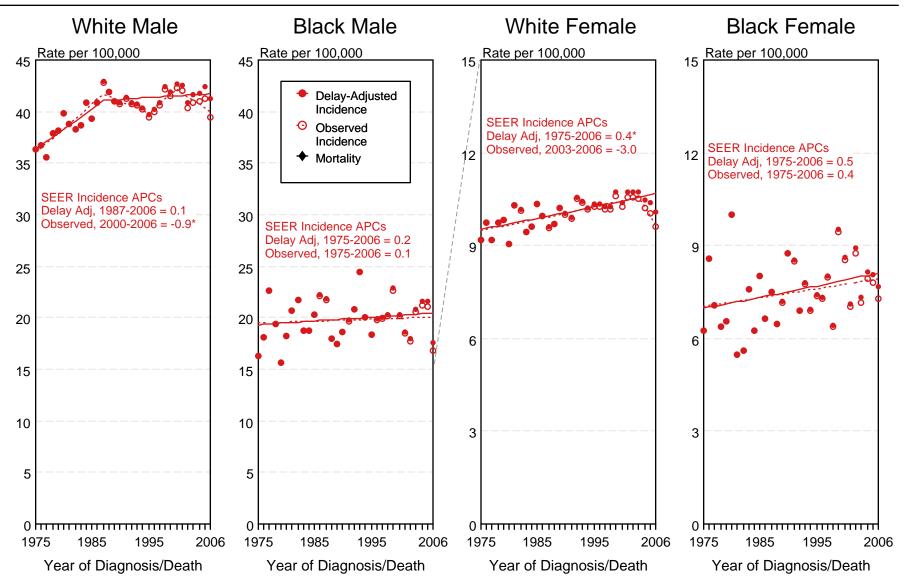


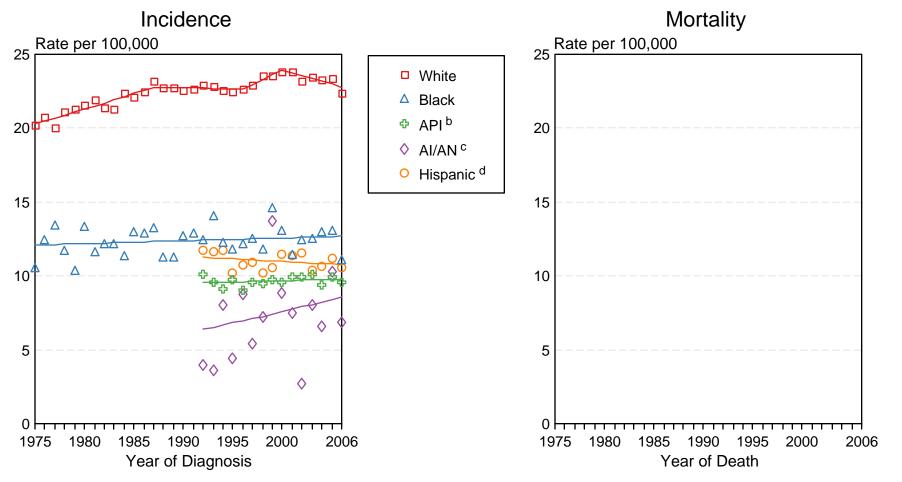
Figure 27.1

Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
 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 3.3.1, April 2008, 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 Cancer of the Urinary Bladder, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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 US Mortality Files, National Center for Health Statistics, CDC.

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 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.

b API = Asian/Pacific Islander.

c Al/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.