

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,
1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints,
Both Sexes by Race/Ethnicity

| | JP Trend 1 | | JP Trend 2 | | JP Trend 3 | | JP Trend 4 | | JP Trend 5 | | JP Trend 6 | | AAPC ^d | |
|--|------------|-------|------------|-------|------------|-------|------------|------|------------|-----|------------|-----|-------------------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2001-10 | 2006-10 |
| <u>SEER 9 Delay-Adjusted Incidence^a, 1975-2010</u> | | | | | | | | | | | | | | |
| All Races | 1975-86 | 0.7* | 1986-10 | 0.2* | | | | | | | | | 0.2* | 0.2* |
| White | 1975-87 | 0.9* | 1987-10 | 0.3* | | | | | | | | | 0.3* | 0.3* |
| Black | 1975-10 | 0.3* | | | | | | | | | | | 0.3* | 0.3* |
| <u>SEER 13 Delay-Adjusted Incidence^b, 1992-2010</u> | | | | | | | | | | | | | | |
| All Races | 1992-10 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| White | 1992-10 | 0.2* | | | | | | | | | | | 0.2* | 0.2* |
| Black | 1992-10 | 0.5 | | | | | | | | | | | 0.5 | 0.5 |
| <u>SEER 9 Observed Incidence^a, 1975-2010</u> | | | | | | | | | | | | | | |
| All Races | 1975-86 | 0.7* | 1986-07 | 0.2* | 2007-10 | -1.3 | | | | | | | -0.3 | -0.9 |
| White | 1975-86 | 0.9* | 1986-05 | 0.3* | 2005-10 | -0.7 | | | | | | | -0.2 | -0.7 |
| Black | 1975-10 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| <u>SEER 13 Observed Incidence^b, 1992-2010</u> | | | | | | | | | | | | | | |
| All Races | 1992-05 | 0.2 | 2005-10 | -0.9 | | | | | | | | | -0.4 | -0.9 |
| White | 1992-04 | 0.3* | 2004-10 | -0.7 | | | | | | | | | -0.4 | -0.7 |
| White NH ^{ef} | 1992-10 | 0.2* | | | | | | | | | | | 0.2* | 0.2* |
| Black | 1992-10 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| Black NH ^{ef} | 1992-10 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| API ^e | 1992-10 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| AI/AN ^{eg} | 1992-10 | 1.9 | | | | | | | | | | | 1.9 | 1.9 |
| Hispanic ^f | 1992-07 | 0.2 | 2007-10 | -5.0 | | | | | | | | | -1.5 | -3.7 |
| <u>U.S. Cancer Mortality^c, 1975-2010</u> | | | | | | | | | | | | | | |
| All Races | 1975-77 | 0.0 | 1977-87 | -2.1* | 1987-00 | -0.2* | 2000-10 | 0.1 | | | | | 0.1 | 0.1 |
| White | 1975-77 | 0.1 | 1977-87 | -2.1* | 1987-00 | 0.0 | 2000-10 | 0.3* | | | | | 0.3* | 0.3* |
| Black | 1975-10 | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| <u>U.S. Cancer Mortality^c, 1992-2010</u> | | | | | | | | | | | | | | |
| All Races | 1992-99 | -0.4 | 1999-10 | 0.2 | | | | | | | | | 0.2 | 0.2 |
| White | 1992-99 | -0.2 | 1999-10 | 0.3* | | | | | | | | | 0.3* | 0.3* |
| White NH ^{ef} | 1992-97 | -0.3 | 1997-10 | 0.5* | | | | | | | | | 0.5* | 0.5* |
| Black | 1992-10 | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| Black NH ^{ef} | 1992-10 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| API ^e | 1992-10 | -0.7 | | | | | | | | | | | -0.7 | -0.7 |
| AI/AN ^{eg} | 1992-10 | 3.2* | | | | | | | | | | | 3.2* | 3.2* |
| Hispanic ^f | 1992-10 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<http://surveillance.cancer.gov/joinpoint/>).
^a The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
^b Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
^c Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
^d Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
^e The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
^f API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
^g 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, DC, ME, MD, MN, NH, NY, ND, SC, OK and VT.
^g 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.