

Table 23.1  
Cancer of the Prostate (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program,  
1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints,  
All Ages by Race/Ethnicity

|                                                                | JP Trend 1 |        | JP Trend 2 |       | JP Trend 3 |        | JP Trend 4 |       | JP Trend 5 |       | JP Trend 6 |     | AAPC <sup>d</sup> |         |
|----------------------------------------------------------------|------------|--------|------------|-------|------------|--------|------------|-------|------------|-------|------------|-----|-------------------|---------|
|                                                                | Years      | APC    | Years      | APC   | Years      | APC    | Years      | APC   | Years      | APC   | Years      | APC | 2001-10           | 2006-10 |
| <u>SEER 9 Delay-Adjusted Incidence<sup>a</sup>, 1975-2010</u>  |            |        |            |       |            |        |            |       |            |       |            |     |                   |         |
| All Races                                                      | 1975-88    | 2.6*   | 1988-92    | 16.5* | 1992-95    | -11.7* | 1995-00    | 2.4   | 2000-10    | -1.8* |            |     | -1.8*             | -1.8*   |
| White                                                          | 1975-88    | 2.8*   | 1988-92    | 16.3* | 1992-95    | -12.8* | 1995-00    | 2.9   | 2000-10    | -1.9* |            |     | -1.9*             | -1.9*   |
| Black                                                          | 1975-89    | 2.1*   | 1989-92    | 19.2* | 1992-10    | -1.6*  |            |       |            |       |            |     | -1.6*             | -1.6*   |
| <u>SEER 13 Delay-Adjusted Incidence<sup>b</sup>, 1992-2010</u> |            |        |            |       |            |        |            |       |            |       |            |     |                   |         |
| All Races                                                      | 1992-95    | -11.2* | 1995-00    | 2.2   | 2000-10    | -2.0*  |            |       |            |       |            |     | -2.0*             | -2.0*   |
| White                                                          | 1992-95    | -12.2* | 1995-00    | 2.6   | 2000-10    | -2.0*  |            |       |            |       |            |     | -2.0*             | -2.0*   |
| Black                                                          | 1992-10    | -1.8*  |            |       |            |        |            |       |            |       |            |     | -1.8*             | -1.8*   |
| <u>SEER 9 Observed Incidence<sup>a</sup>, 1975-2010</u>        |            |        |            |       |            |        |            |       |            |       |            |     |                   |         |
| All Races                                                      | 1975-88    | 2.6*   | 1988-92    | 16.5* | 1992-95    | -11.6* | 1995-00    | 2.4   | 2000-10    | -2.0* |            |     | -2.0*             | -2.0*   |
| White                                                          | 1975-88    | 2.8*   | 1988-92    | 16.3* | 1992-95    | -12.3* | 1995-01    | 2.1   | 2001-10    | -2.5* |            |     | -2.5*             | -2.5*   |
| Black                                                          | 1975-89    | 2.1*   | 1989-92    | 19.3* | 1992-10    | -1.8*  |            |       |            |       |            |     | -1.8*             | -1.8*   |
| <u>SEER 13 Observed Incidence<sup>b</sup>, 1992-2010</u>       |            |        |            |       |            |        |            |       |            |       |            |     |                   |         |
| All Races                                                      | 1992-95    | -11.2* | 1995-00    | 2.2   | 2000-10    | -2.2*  |            |       |            |       |            |     | -2.2*             | -2.2*   |
| White                                                          | 1992-95    | -11.7* | 1995-01    | 1.9   | 2001-10    | -2.6*  |            |       |            |       |            |     | -2.6*             | -2.6*   |
| White NH <sup>ef</sup>                                         | 1992-94    | -17.3* | 1994-01    | 1.0   | 2001-10    | -2.3*  |            |       |            |       |            |     | -2.3*             | -2.3*   |
| Black                                                          | 1992-10    | -2.0*  |            |       |            |        |            |       |            |       |            |     | -2.0*             | -2.0*   |
| Black NH <sup>ef</sup>                                         | 1992-10    | -1.9*  |            |       |            |        |            |       |            |       |            |     | -1.9*             | -1.9*   |
| API <sup>e</sup>                                               | 1992-97    | -6.3*  | 1997-00    | 5.4   | 2000-07    | -1.8*  | 2007-10    | -7.3* |            |       |            |     | -3.7*             | -5.9*   |
| AI/AN <sup>eg</sup>                                            | 1992-10    | -1.6*  |            |       |            |        |            |       |            |       |            |     | -1.6*             | -1.6*   |
| Hispanic <sup>f</sup>                                          | 1992-95    | -4.9   | 1995-02    | 0.9   | 2002-10    | -3.2*  |            |       |            |       |            |     | -2.8*             | -3.2*   |
| <u>U.S. Cancer Mortality<sup>c</sup>, 1975-2010</u>            |            |        |            |       |            |        |            |       |            |       |            |     |                   |         |
| All Races                                                      | 1975-87    | 0.9*   | 1987-91    | 3.1*  | 1991-94    | -0.8   | 1994-04    | -3.8* | 2004-10    | -3.1* |            |     | -3.3*             | -3.1*   |
| White                                                          | 1975-87    | 0.8*   | 1987-91    | 3.1*  | 1991-94    | -0.7   | 1994-99    | -4.3* | 1999-10    | -3.3* |            |     | -3.3*             | -3.3*   |
| Black                                                          | 1975-88    | 1.9*   | 1988-93    | 3.2*  | 1993-00    | -2.6*  | 2000-10    | -3.7* |            |       |            |     | -3.7*             | -3.7*   |
| <u>U.S. Cancer Mortality<sup>c</sup>, 1992-2010</u>            |            |        |            |       |            |        |            |       |            |       |            |     |                   |         |
| All Races                                                      | 1992-94    | -1.0   | 1994-04    | -3.8* | 2004-10    | -3.1*  |            |       |            |       |            |     | -3.3*             | -3.1*   |
| White                                                          | 1992-94    | -0.7   | 1994-99    | -4.3* | 1999-10    | -3.3*  |            |       |            |       |            |     | -3.3*             | -3.3*   |
| White NH <sup>ef</sup>                                         | 1992-94    | -1.0   | 1994-01    | -4.1* | 2001-10    | -3.2*  |            |       |            |       |            |     | -3.2*             | -3.2*   |
| Black                                                          | 1992-96    | -0.7   | 1996-10    | -3.5* |            |        |            |       |            |       |            |     | -3.5*             | -3.5*   |
| Black NH <sup>ef</sup>                                         | 1992-96    | -0.7   | 1996-10    | -3.4* |            |        |            |       |            |       |            |     | -3.4*             | -3.4*   |
| API <sup>e</sup>                                               | 1992-10    | -3.5*  |            |       |            |        |            |       |            |       |            |     | -3.5*             | -3.5*   |
| AI/AN <sup>eg</sup>                                            | 1992-10    | -1.7*  |            |       |            |        |            |       |            |       |            |     | -1.7*             | -1.7*   |
| Hispanic <sup>f</sup>                                          | 1992-10    | -2.5*  |            |       |            |        |            |       |            |       |            |     | -2.5*             | -2.5*   |

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<http://surveillance.cancer.gov/joinpoint/>).  
<sup>a</sup> The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).  
<sup>b</sup> Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).  
<sup>c</sup> Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).  
<sup>d</sup> Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.  
<sup>e</sup> The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.  
<sup>f</sup> 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.  
<sup>g</sup> The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VT.  
<sup>\*</sup> Data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.  
<sup>-</sup> The APC/AAPC is significantly different from zero (p<.05).  
 Joinpoint regression line analysis could not be performed on data series.