

Table 23.2  
Cancer of the Prostate (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program,  
1975-2017 With up to Five Joinpoints, 2000-2017 With up to Three Joinpoints,  
Ages <65 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	2008-17	2013-17
<u>SEER 9 Delay-Adjusted Incidence<sup>a</sup>, 1975-2017</u>														
All Races	1975-88	3.1*	1988-92	23.4*	1992-01	3.3*	2001-09	0.2	2009-14	-8.2*	2014-17	3.0	-3.7*	0.1
White	1975-88	3.5*	1988-92	23.0*	1992-01	3.1*	2001-09	0.1	2009-14	-8.6*	2014-17	2.1	-4.2*	-0.7
Black	1975-89	2.0*	1989-93	26.4*	1993-01	2.7*	2001-10	-0.5	2010-14	-7.5*	2014-17	4.4	-2.1	1.3
<u>SEER 21 Delay-Adjusted Incidence<sup>b</sup>, 2000-2017</u>														
All Races	2000-10	-0.1	2010-14	-8.7*	2014-17	3.0							-3.1	-0.1
White	2000-09	0.2	2009-14	-8.0*	2014-17	1.9							-3.9*	-0.7
White NH <sup>ef</sup>	2000-09	0.3	2009-14	-7.9*	2014-17	2.7							-3.6	0.0
Black	2000-11	-0.3	2011-14	-8.1	2014-17	2.5							-2.1	-0.3
Black NH <sup>ef</sup>	2000-11	-0.3	2011-14	-8.1	2014-17	2.7							-2.0	-0.1
API <sup>e</sup>	2000-11	0.0	2011-14	-10.1	2014-17	3.7							-2.3	0.0
AI/AN <sup>eg</sup>	2000-17	-2.9*											-2.9*	-2.9*
Hispanic <sup>f</sup>	2000-09	-0.3	2009-17	-4.7*									-4.2*	-4.7*
<u>U.S. Cancer Mortality<sup>c</sup>, 1975-2017</u>														
All Races	1975-87	0.5*	1987-90	3.1	1990-96	-3.2*	1996-00	-5.8*	2000-12	-1.4*	2012-17	-0.1	-0.7	-0.1
White	1975-87	0.7*	1987-90	3.5	1990-02	-4.3*	2002-17	-0.8*					-0.8*	-0.8*
Black	1975-92	0.5*	1992-12	-2.9*	2012-17	0.0							-1.3*	0.0
<u>U.S. Cancer Mortality<sup>c</sup>, 2000-2017</u>														
All Races	2000-17	-1.1*											-1.1*	-1.1*
White	2000-17	-1.0*											-1.0*	-1.0*
White NH <sup>ef</sup>	2000-17	-1.0*											-1.0*	-1.0*
Black	2000-17	-2.0*											-2.0*	-2.0*
Black NH <sup>ef</sup>	2000-17	-1.9*											-1.9*	-1.9*
API <sup>e</sup>	2000-17	0.2											0.2	0.2
AI/AN <sup>eg</sup>	2000-17	-0.1											-0.1	-0.1
Hispanic <sup>f</sup>	2000-17	-0.9*											-0.9*	-0.9*

Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. (<https://surveillance.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).

<sup>a</sup> Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

<sup>b</sup> Trends are from the SEER 21 areas (SEER 9 areas, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

<sup>c</sup> Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

<sup>d</sup> The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

<sup>f</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 are based on NHIA and exclude cases from the Alaska Native Registry.

<sup>g</sup> Data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

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

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