

Table 23.3  
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	2.5*	1988-92	14.9*	1992-95	-13.3*	1995-07	-0.8*	2007-14	-7.3*	2014-17	4.7	-3.4*	1.6
White	1975-87	2.3*	1987-92	12.6*	1992-95	-13.5*	1995-07	-0.7	2007-14	-7.3*	2014-17	4.7	-3.5*	1.5
Black	1975-89	2.0*	1989-92	20.3*	1992-95	-9.0*	1995-09	-2.1*	2009-14	-8.7*	2014-17	4.5	-3.7*	1.1
<u>SEER 21 Delay-Adjusted Incidence<sup>b</sup>, 2000-2017</u>														
All Races	2000-10	-2.5*	2010-14	-8.9*	2014-17	5.0							-3.0	1.4
White	2000-10	-2.6*	2010-14	-8.9*	2014-17	4.9							-3.1	1.3
White NH <sup>ef</sup>	2000-10	-2.6*	2010-14	-8.8*	2014-17	5.6							-2.8	1.8
Black	2000-11	-2.8*	2011-14	-9.6*	2014-17	3.8							-3.0*	0.3
Black NH <sup>ef</sup>	2000-11	-2.7*	2011-14	-9.7*	2014-17	4.0							-3.0	0.4
API <sup>e</sup>	2000-11	-3.7*	2011-14	-11.2	2014-17	6.1							-3.2	1.5
AI/AN <sup>eg</sup>	2000-17	-3.0*											-3.0*	-3.0*
Hispanic <sup>f</sup>	2000-10	-2.6*	2010-14	-9.3*	2014-17	0.6							-4.6*	-2.0
<u>U.S. Cancer Mortality<sup>c</sup>, 1975-2017</u>														
All Races	1975-87	0.9*	1987-90	3.3*	1990-93	1.3	1993-13	-3.6*	2013-17	-0.3			-2.2*	-0.3
White	1975-87	0.8*	1987-91	3.2*	1991-94	-0.5	1994-98	-4.4*	1998-13	-3.5*	2013-17	0.0	-1.9*	0.0
Black	1975-88	2.1*	1988-93	3.5*	1993-01	-2.6*	2001-10	-3.9*	2010-13	-6.4*	2013-17	-1.5	-3.7*	-1.5
<u>U.S. Cancer Mortality<sup>c</sup>, 2000-2017</u>														
All Races	2000-13	-3.6*	2013-17	-0.4									-2.2*	-0.4
White	2000-13	-3.5*	2013-17	0.0									-1.9*	0.0
White NH <sup>ef</sup>	2000-13	-3.5*	2013-17	0.1									-1.9*	0.1
Black	2000-17	-4.1*											-4.1*	-4.1*
Black NH <sup>ef</sup>	2000-17	-4.0*											-4.0*	-4.0*
API <sup>e</sup>	2000-17	-2.5*											-2.5*	-2.5*
AI/AN <sup>eg</sup>	2000-17	-1.8*											-1.8*	-1.8*
Hispanic <sup>f</sup>	2000-14	-3.1*	2014-17	0.0									-2.1*	-0.8

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.