

Table 26.1
Cancer of the Thyroid (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2016 With up to Five Joinpoints, 2000-2016 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	2007-16	2012-16
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2016</u>														
All Races	1975-77	6.3	1977-80	-6.6	1980-97	2.4*	1997-09	6.7*	2009-13	2.1	2013-16	-1.2	2.0*	-0.4
White	1975-77	7.5	1977-80	-6.7	1980-97	2.7*	1997-09	7.0*	2009-14	1.6*	2014-16	-2.6	1.8*	-0.5
Black	1975-95	0.8	1995-12	6.3*	2012-16	-1.9							2.6*	-1.9
<u>SEER 21 Delay-Adjusted Incidence^b, 2000-2016</u>														
All Races	2000-09	7.4*	2009-14	2.3*	2014-16	-2.5							2.3*	-0.1
White	2000-09	7.6*	2009-14	1.9*	2014-16	-2.4							2.2*	-0.3
White NH ^{ef}	2000-09	7.8*	2009-14	1.9*	2014-16	-2.9							2.1*	-0.5
Black	2000-14	5.8*	2014-16	-6.5									3.0*	-0.5
Black NH ^{ef}	2000-14	5.8*	2014-16	-6.5									2.9	-0.5
API ^e	2000-11	6.2*	2011-16	0.3									2.9*	0.3
AI/AN ^{eg}	2000-02	24.5	2002-06	-1.9	2006-12	9.1*	2012-16	-0.3					4.8*	-0.3
Hispanic ^f	2000-10	6.3*	2010-16	2.5*									3.8*	2.5*
<u>U.S. Cancer Mortality^c, 1975-2016</u>														
All Races	1975-88	-2.1*	1988-16	0.7*									0.7*	0.7*
White	1975-88	-2.2*	1988-16	0.7*									0.7*	0.7*
Black	1975-16	0.1											0.1	0.1
<u>U.S. Cancer Mortality^c, 2000-2016</u>														
All Races	2000-16	0.6*											0.6*	0.6*
White	2000-16	0.7*											0.7*	0.7*
White NH ^{ef}	2000-16	0.6*											0.6*	0.6*
Black	2000-16	0.4											0.4	0.4
Black NH ^{ef}	2000-16	0.5											0.5	0.5
API ^e	2000-16	-0.2											-0.2	-0.2
AI/AN ^{eg}	2000-16	-1.1											-1.1	-1.1
Hispanic ^f	2000-16	0.7											0.7	0.7

^a Joinpoint Regression Program Version 4.7, February 2019, 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). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

^b 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).

^c 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.

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

^f 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.

^g 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.