

Table 26.3
Cancer of the Thyroid (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2017 With up to Five Joinpoints, 2000-2017 With up to Three Joinpoints,
Females 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	2008-17	2013-17
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2017</u>														
All Races	1975-81	-1.8	1981-97	2.6*	1997-09	7.0*	2009-15	1.2	2015-17	-6.1			0.1	-2.5
White	1975-82	-0.9	1982-96	2.8*	1996-09	7.2*	2009-15	1.2	2015-17	-7.1*			-0.1	-3.0
Black	1975-93	0.2	1993-12	6.4*	2012-17	-2.3							1.5	-2.3
<u>SEER 21 Delay-Adjusted Incidence^b, 2000-2017</u>														
All Races	2000-09	7.6*	2009-15	1.9*	2015-17	-5.6*							0.8*	-1.9*
White	2000-09	7.8*	2009-15	1.6*	2015-17	-5.5*							0.6	-2.0*
White NH ^{ef}	2000-09	8.0*	2009-15	1.4*	2015-17	-6.1*							0.3	-2.5*
Black	2000-14	6.2*	2014-17	-7.0*									1.6	-3.8
Black NH ^{ef}	2000-14	6.2*	2014-17	-7.0*									1.6	-3.9
API ^e	2000-10	6.6*	2010-17	0.5									1.8*	0.5
AI/AN ^{eg}	2000-17	4.8*											4.8*	4.8*
Hispanic ^f	2000-13	5.9*	2013-17	-0.2									3.1*	-0.2
<u>U.S. Cancer Mortality^c, 1975-2017</u>														
All Races	1975-88	-2.5*	1988-17	0.3*									0.3*	0.3*
White	1975-88	-2.8*	1988-17	0.3*									0.3*	0.3*
Black	1975-17	-0.1											-0.1	-0.1
<u>U.S. Cancer Mortality^c, 2000-2017</u>														
All Races	2000-17	0.2											0.2	0.2
White	2000-17	0.2											0.2	0.2
White NH ^{ef}	2000-17	0.0											0.0	0.0
Black	2000-17	-0.2											-0.2	-0.2
Black NH ^{ef}	2000-17	-0.1											-0.1	-0.1
API ^e	2000-17	-1.0											-1.0	-1.0
AI/AN ^{eg}	2000-17	-2.8											-2.8	-2.8
Hispanic ^f	2000-17	0.7											0.7	0.7

^a Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. (<https://surveillance.cancer.gov/joinpoint/>).

^b 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).

^c 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).

^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.

^{*} 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.