

Table 13.23
Leukemia

SEER Incidence and U.S. Mortality
Age-Adjusted Rates and Trends^a
By Race/Ethnicity and Sex

SEER Incidence	SEER 18 Areas ^b			SEER 13 Areas ^b			SEER 9 Areas ^b		
	Rate 2009-2013			Trend 2004-2013 ^c			Trend 2004-2013 ^d		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	13.5	17.3	10.5	0.2*	0.1	0.3*	0.3*	0.1*	0.3*
White	14.3	18.2	11.1	0.4*	0.1	0.5*	0.4*	0.2*	0.4*
White Hispanic ^e	11.0	13.3	9.2	0.5*	0.3	0.7*	-	-	-
White Non-Hispanic ^e	14.6	18.7	11.2	0.4*	0.2*	0.5*	-	-	-
Black	10.8	13.8	8.7	0.2	0.2	0.2	0.0	0.0	0.0
Asian/Pacific Islander	7.7	9.6	6.2	-0.2	-0.2	-0.1	-	-	-
Amer Ind/Alaska Nat ^f	8.2	9.7	7.2	1.7	2.2	1.7	-	-	-
Hispanic ^e	10.6	12.8	8.8	0.5*	0.3	0.7*	-	-	-
<u>U.S. Mortality^g</u>									
RACE/ETHNICITY	Rate 2009-2013			Trend 2004-2013 ^h					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	6.9	9.3	5.2	-1.0*	-1.0*	-1.2*			
White	7.1	9.6	5.3	-0.9*	-0.7*	-1.1*			
White Hispanic ^e	5.2	6.5	4.2	0.2	-0.3	-0.4*			
White Non-Hispanic ^e	7.2	9.8	5.3	-0.8*	-0.7*	-1.1*			
Black	5.8	7.7	4.6	-1.2*	-1.2*	-1.2*			
Asian/Pacific Islander	4.0	5.1	3.1	-0.7*	-0.6*	-0.7			
Amer Ind/Alaska Nat									
Total U.S.	3.6	4.8	2.7	-1.2*	-1.0	-1.5*			
CHSDA Counties	4.5	6.2	3.3	-0.3	0.1	-0.9			
Non-CHSDA Counties	2.5	3.3	2.0	-2.1*	-2.0	-2.1			
Hispanic ^e	4.9	6.2	4.0	0.1	-0.4*	-0.5*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.3.0.0, April 2016, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, and Rural Georgia.

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

^c The 2004-2013 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1992-2013.

^d The 2004-2013 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2013.

^e 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. The 2004-2013 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

^f Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

^g US Mortality Files, National Center for Health Statistics, CDC.

^h The 2004-2013 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2013.

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