

Table 13.23  
Leukemia

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

SEER Incidence	SEER 18 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2007-2011			Trend 2002-2011 <sup>c</sup>			Trend 2002-2011 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	13.0	16.7	10.2	0.1	0.0	0.2	0.2*	0.1	0.2*
White	13.7	17.5	10.7	0.2*	0.0	0.3*	0.3*	0.1*	0.3*
White Hispanic <sup>e</sup>	10.7	12.9	9.0	0.4	0.3	0.4	-	-	-
White Non-Hispanic <sup>e</sup>	13.9	17.9	10.8	0.3*	0.1	0.4*	-	-	-
Black	10.0	12.9	8.0	0.0	0.1	-0.1	-0.1	0.0	-0.1
Asian/Pacific Islander	7.6	9.4	6.1	-0.3	-0.2	-0.4	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	7.3	8.6	6.5	1.2	-	-	-	-	-
Hispanic <sup>e</sup>	10.3	12.4	8.7	0.4	0.3	0.5	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY	Rate 2007-2011			Trend 2002-2011 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	7.0	9.4	5.3	-1.0*	-0.8*	-1.1*			
White	7.3	9.7	5.4	-0.9*	-0.7*	-1.1*			
White Hispanic <sup>e</sup>	5.1	6.4	4.2	-0.7*	-0.4*	-0.5*			
White Non-Hispanic <sup>e</sup>	7.4	9.9	5.5	-0.8*	-0.6*	-1.1*			
Black	6.0	8.0	4.8	-1.2*	-1.2*	-1.1*			
Asian/Pacific Islander	4.0	5.0	3.2	0.5	-0.6	-0.7			
Amer Ind/Alaska Nat									
Total U.S.	3.6	4.8	2.8	-1.2	-1.1	-1.6*			
CHSDA Counties	4.7	6.6	3.5	-0.2	0.4	-			
Non-CHSDA Counties	2.2	2.7	1.9	-2.6*	-	-			
Hispanic <sup>e</sup>	4.8	6.0	3.9	-0.9*	-0.6*	-0.6*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.1.0, April 2014, 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.

<sup>a</sup> 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).

<sup>b</sup> 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.

<sup>c</sup> The 2002-2011 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2011.

<sup>d</sup> The 2002-2011 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2011.

<sup>e</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. The 2002-2011 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 2002-2011 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2011.

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