

Table 28.9

Childhood Cancer
SEER Incidence Rates, U.S. Death Rates and 5-Year Relative Survival Percentages
For Top Cancer Sites^f By 5-Year Age Groups
All Races, Males and Females

Age/Site	SEER Incidence ^a					US Mortality ^b					5-year Relative Survival ^a	
	2007-2011 Num Cases	2007-2011 Rate	1975-2011 APC	1975-1993 APC	1994-2011 APC	2007-2011 Num Deaths	2007-2011 Rate	1975-2011 APC	1975-1993 APC	1994-2011 APC	1975-1977	2004-2010
Ages 0-4												
All Sites	6,456	22.3	0.7*	1.2*	0.7*	2,155	2.1	-2.6*	-2.9*	-1.9*#	57.2	84.0 ^c
Soft tissue	476	1.6	1.0*	0.2	1.6	116	0.1	-1.8*	-1.7	-1.3	62.0 ^d	85.8 ^c
Kidney and Renal pelvis	570	2.0	-0.1	0.1	-1.2	60	0.1	-	-6.1*	-	71.9	90.0 ^c
Eye and Orbit	389	1.3	0.2	2.1*	-0.4#	-	-	-	-	-	87.2 ^d	95.8 ^c
Brain and Other nervous	1,201	4.1	1.2*	2.5*	1.1* [®]	589	0.6	-1.3*	-1.0*	-1.5*	52.0	72.5 ^c
Other endocrine ^g	422	1.5	-	-	-	345	0.3	-	-	-	35.7 ^d	76.9 ^c
Leukemia	2,416	8.3	0.8*	0.8*	0.8	676	0.7	-2.9*	-3.7*	-2.1*#	55.4	88.4 ^c
Acute lymphocytic	1,963	6.8	0.8*	0.9*	0.7	223	0.2	-4.1*	-5.7*	-2.0*#	63.2	93.0 ^c
Ages 5-9												
All Sites	3,634	12.7	0.5*	0.8*	1.2*	2,294	2.3	-2.5*	-3.2*	-1.1*#	58.3	81.2 ^c
Brain and Other nervous	992	3.5	0.6*	1.4	1.4*	904	0.9	-0.5*	-0.6	0.3 [®]	58.4	71.4 ^c
Leukemia	1,236	4.3	0.5*	1.5*	0.7	565	0.6	-4.7*	-5.3*	-3.2*#	51.0	89.2 ^c
Acute lymphocytic	1,058	3.7	0.7*	1.7*	0.8	307	0.3	-5.3*	-6.4*	-3.4*#	54.8	94.3 ^c
Ages 10-14												
All Sites	4,017	13.5	0.6*	0.9*	0.2 [®]	2,227	2.1	-2.1*	-2.5*	-1.5*#	58.6	83.2 ^c
Bone and Joint	420	1.4	0.1	1.0	-0.4	252	0.2	-1.4*	-2.8*	-0.6#	52.8 ^d	79.3 ^c
Brain and Other nervous	782	2.6	0.7*	1.8*	-0.7#	613	0.6	-1.2*	-1.6*	-0.9*	59.5	80.2 ^c
Hodgkin lymphoma	345	1.2	-0.7*	-0.7	-0.1	-	-	-	-	-	79.0	97.9 ^c
Leukemia	964	3.2	0.6*	1.1	1.1	723	0.7	-2.9*	-3.1*	-2.6*	34.0	81.5 ^c
Acute lymphocytic	650	2.2	0.9*	2.0	1.3	349	0.3	-3.3*	-3.5*	-3.0*	43.0 ^d	84.4 ^c
Ages 15-19												
All Sites	6,763	21.6	0.6*	1.0*	0.7*	3,242	2.9	-1.9*	-2.1*	-1.8*	67.9	84.3 ^c
Bone and Joint	418	1.3	0.2	0.9	-0.5	525	0.5	-1.1*	-2.6*	-0.7#	51.0 ^d	70.9 ^c
Melanoma of the skin	353	1.1	0.9*	2.4*	0.1	28	0.0	-	-	-	76.2 ^d	96.0 ^c
Testis(males)	634	3.9	1.4*	1.8	1.7*	31	0.1	-	-	-	66.0 ^d	95.4 ^c
Brain and Other nervous	655	2.1	0.1	1.6	-0.2	518	0.5	-1.2*	-1.0*	-1.2*	65.3	73.7
Thyroid	770	2.5	1.9*	0.8	3.4*#	-	-	-	-	-	100.0	99.0
Hodgkin lymphoma	995	3.2	-0.6*	0.0	0.0	69	0.1	-	-3.9*	-	89.0	97.1 ^c
Non-Hodgkin lymphoma	531	1.7	1.5*	2.3*	0.7	210	0.2	-3.0*	-2.2*	-3.5* [®]	47.7 ^d	81.4 ^c
Leukemia	983	3.1	0.8*	0.5	0.8	910	0.8	-2.3*	-1.9*	-2.5*	23.8	73.0 ^c
Acute lymphocytic	560	1.8	1.2*	1.1	1.7	361	0.3	-2.3*	-1.5*	-2.8* [®]	30.0 ^d	76.6 ^c

The APC is the Annual Percent Change over the time interval.

Note: Incidence and death rates are per 100,000 and are age-adjusted(as appropriate) to the 2000 US Std Population (19 age groups - Census P25-1130).

^a Incidence data used in calculating the rates are from the SEER 18 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey and Georgia excluding ATL/RG).

Incidence data used in calculating the trends and survival estimates are from the 9 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

^b US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^c The difference between 1975-1977 and 2004-2010 is statistically significant (p<.05).

^d The standard error is between 5 and 10 percentage points.

^e The standard error is greater than 10 percentage points.

^f Sites were chosen based on more than 100 SEER incidence cases between 2007-2011.

^g APCs suppressed because of inconsistent classification across ICD: ICD-8 (1975-1978), ICD-9 (1979-1998), ICD-10 (1999-2008).

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

The APC for 1994-2011 is significantly different from the APC for 1975-1993 (p<.05).

® The APC for 1994-2011 is significantly different from the APC for 1975-1993 (p<.10).

- Statistic not shown. Age-adjusted 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. Survival rate based on less than 25 cases for the time interval.