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]	
	2006-2010		1975-2010	1975-1992	1993-2010	2006-2010		1975-2010	1975-1992	1993-2010		
	Num Cases	Rate	APC	APC	APC	Num Deaths	Rate	APC	APC	APC	1975-1977	2003-2009
Ages 0-4												
All Sites	6,376	22.0	0.8*	1.1*	0.5	2,185	2.2	-2.6*	-3.0*	-2.0*#	57.2	83.8[c]
Soft tissue	457	1.6	1.0*	0.8	2.0	115	0.1	-1.9*	-1.5	-1.5	62.0[d]	83.8[c]
Kidney and Renal pelvis	552	1.9	-0.2	-0.2	-1.6	64	0.1	-3.6*	-6.3*	-3.1*#	71.9	88.6[c]
Eye and Orbit	390	1.3	0.2	1.2	-1.7#	-	-	-	-	-	87.2[d]	96.9[c]
Brain and Other nervous	1,206	4.2	1.3*	2.8*	1.2*#	581	0.6	-1.4*	-1.3*	-2.1*	52.0	74.3[c]
Other endocrine[g]	421	1.5	-	-	-	355	0.4	-	-	-	35.7[d]	73.8[c]
Leukemia	2,387	8.2	0.8*	0.8	0.7	714	0.7	-2.9*	-3.7*	-1.9*#	55.4	87.5[c]
Acute lymphocytic	1,942	6.7	0.8*	1.1*	0.7	241	0.2	-4.1*	-5.7*	-1.7*#	63.2	92.6[c]
Ages 5-9												
All Sites	3,500	12.3	0.4*	0.8*	0.9*	2,312	2.3	-2.5*	-3.3*	-1.3*#	58.3	81.0[c]
Brain and Other nervous	976	3.4	0.5*	1.3	0.8	882	0.9	-0.6*	-0.5	0.1	58.4	71.8[c]
Leukemia	1,165	4.1	0.4	1.7*	0.4	571	0.6	-4.7*	-5.4*	-3.4*#	51.0	89.1[c]
Acute lymphocytic	994	3.5	0.7*	1.9*	0.6	317	0.3	-5.3*	-6.4*	-3.1*#	54.8	94.3[c]
Ages 10-14												
All Sites	4,021	13.4	0.7*	1.1*	0.5	2,256	2.2	-2.1*	-2.5*	-1.3*#	58.6	83.9[c]
Bone and Joint	404	1.4	0.1	1.3	-0.1	238	0.2	-1.4*	-3.0*	-0.5#	52.8[d]	81.3[c]
Brain and Other nervous	779	2.6	0.8*	1.8*	-0.5#	626	0.6	-1.2*	-1.4*	-0.6	59.5	80.2[c]
Hodgkin lymphoma	365	1.2	-0.8*	-0.7	-0.3	-	-	-	-	-	78.8	98.7[c]
Leukemia	970	3.2	0.7*	1.6	1.5*	748	0.7	-2.9*	-3.1*	-2.6*	34.0	81.7[c]
Acute lymphocytic	656	2.2	0.9*	2.6*	1.5*	342	0.3	-3.4*	-3.3*	-3.2*	43.0[d]	85.6[c]
Ages 15-19												
All Sites	6,609	21.1	0.5*	1.2*	0.6	3,278	3.0	-2.0*	-2.2*	-1.9*	67.9	84.5[c]
Bone and Joint	433	1.4	0.1	0.8	-0.8	539	0.5	-1.1*	-2.7*	-0.5#	51.0[d]	68.1[c]
Melanoma of the skin	356	1.1	1.0*	2.4*	0.4	36	0.0	-	-	-	76.2[d]	96.6[c]
Testis(males)	582	3.6	1.2*	2.1	1.3	29	0.1	-	-	-	66.0[d]	95.9[c]
Brain and Other nervous	642	2.1	0.2	2.1*	0.2@	509	0.5	-1.3*	-1.1*	-1.6*	65.3	75.7[c]
Thyroid	711	2.3	1.7*	1.1	3.2*	-	-	-	-	-	100.0	98.1
Hodgkin lymphoma	991	3.2	-0.7*	0.3	-0.3	71	0.1	-	-3.5*	-	89.0	97.1[c]
Non-Hodgkin lymphoma	546	1.7	1.6*	2.7*	1.3	223	0.2	-2.9*	-2.2*	-3.4*	47.7[d]	83.6[c]
Leukemia	971	3.1	0.7*	0.6	0.7	940	0.9	-2.2*	-1.9*	-2.6*	23.8	73.9[c]
Acute lymphocytic	556	1.8	1.1*	1.6	1.6	383	0.3	-2.3*	-1.3*	-2.6*@	30.0[d]	78.2[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 2003-2009 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 2006-2010.
[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 1993-2010 is significantly different from the APC for 1975-1992 (p<.05).
@   The APC for 1993-2010 is significantly different from the APC for 1975-1992 (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.