

Table XXVII-1
AGE-ADJUSTED CANCER SEER INCIDENCE RATES§ AND 21-YEAR TRENDS, 1973-93

By Primary Cancer Site
 All Races, Males and Females

Site	Ages 0-14				Ages 0-19			
	Average Rate⊕		% Change	EAPC	Average Rate⊕		% Change	EAPC
	1973-74	92-93	73-93	73-93	1973-74	92-93	73-93	73-93
All Sites								
All Races	12.9	13.9	8.3	0.8★	13.8	15.9	15.1	0.9★
Whites	13.3	14.0	5.3	0.7★	14.2	16.1	13.1	0.9★
Blacks	10.3	12.6	21.7	1.3★	11.1	13.1	18.1	1.0★
Bone & Joint	0.7	0.6	-17.8	0.5	0.8	0.9	3.4	0.8
Brain & Other nervous	2.4	3.3	34.1	1.9★	2.2	3.1	38.2	1.8★
Hodgkin's disease	0.7	0.5	-24.5	-1.1	1.3	1.3	5.4	0.0
Kidney & Renal pelvis	0.7	0.8	16.8	0.7	0.6	0.7	21.5	0.8
Leukemias	4.3	4.0	-7.5	0.6	3.8	3.6	-6.3	0.5
Acute lymphocytic	2.7	3.0	8.1	1.3★	2.3	2.5	6.7	1.2★
Non-Hodgkin's lymphomas	0.8	0.8	7.6	0.3	0.8	1.0	21.8	1.0★
Soft tissue	0.7	0.7	-6.5	0.3	0.8	0.7	-7.8	0.5

The EAPC is the Estimated Annual Percent Change over the time interval.

§ SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population. Each rate has been age-adjusted by 5-year age groups.

⊕ The Average Rate is the Average Annual Rate over the specified two-year period.

★ The EAPC is significantly different from zero ($p < .05$).

Table XXVII-2
AGE-ADJUSTED CANCER U.S. MORTALITY RATES^δ AND 21-YEAR TRENDS, 1973-93

By Race and Primary Cancer Site

Males and Females

Race/Site	Ages 0-14				Ages 0-19			
	Average Rate [⊕]		% Change	EAPC	Average Rate [⊕]		% Change	EAPC
	1973-74	92-93	73-93	73-93	1973-74	92-93	73-93	73-93
<u>All Races</u>								
All Sites	5.4	3.0	-44.4	-3.0★	5.6	3.3	-41.4	-2.8★
Bone & Joint	0.2	0.1	-41.5	-3.2★	0.4	0.2	-39.2	-2.9★
Brain & Other nervous	1.0	0.8	-22.6	-1.1★	1.0	0.8	-20.6	-1.1★
Hodgkin's disease	0.1	0.0	-72.4	-6.4★	0.2	0.1	-67.4	-4.9★
Kidney & Renal pelvis	0.2	0.1	-57.0	-4.0★	0.2	0.1	-55.4	-3.8★
Leukemias	2.3	1.1	-52.9	-4.1★	2.3	1.2	-48.8	-3.6★
Acute lymphocytic	1.3	0.5	-61.0	-5.2★	1.1	0.5	-55.9	-4.4★
Non-Hodgkin's lymphomas	0.4	0.1	-65.4	-5.0★	0.5	0.2	-56.0	-3.9★
Soft tissue	0.6	0.1	-72.9	-7.1★	0.5	0.2	-60.4	-5.1★
<u>Whites</u>								
All Sites	5.5	3.1	-44.3	-3.0★	5.7	3.4	-41.3	-2.8★
Bone & Joint	0.3	0.2	-39.5	-2.9★	0.4	0.3	-37.6	-2.7★
Brain & Other nervous	1.0	0.8	-19.4	-1.0★	0.9	0.8	-17.6	-0.9★
Hodgkin's disease	0.1	0.0	-75.3	-6.4★	0.2	0.1	-67.2	-5.0★
Kidney & Renal pelvis	0.2	0.1	-60.4	-4.0★	0.2	0.1	-57.8	-3.8★
Leukemias	2.5	1.2	-53.1	-4.2★	2.4	1.2	-49.2	-3.7★
Acute lymphocytic	1.4	0.5	-60.7	-5.3★	1.2	0.5	-55.6	-4.5★
Non-Hodgkin's lymphomas	0.4	0.2	-65.3	-4.8★	0.5	0.2	-54.4	-3.7★
Soft tissue	0.6	0.1	-74.2	-7.3★	0.5	0.2	-61.6	-5.3★
<u>Blacks</u>								
All Sites	4.8	2.7	-43.7	-2.8★	5.2	3.1	-40.3	-2.5★
Bone & Joint	0.2	0.1	-34.1	-3.8★	0.3	0.2	-33.8	-3.9★
Brain & Other nervous	1.1	0.7	-39.8	-1.9★	1.1	0.7	-36.4	-1.7★
Hodgkin's disease	0.1	0.0	-49.6	-	0.1	0.1	-57.4	-3.6★
Kidney & Renal pelvis	0.3	0.2	-45.5	-3.9★	0.2	0.1	-47.8	-3.7★
Leukemias	1.7	0.8	-50.8	-3.6★	1.7	0.9	-44.8	-2.8★
Acute lymphocytic	0.7	0.3	-54.2	-3.8★	0.7	0.3	-49.8	-3.0★
Non-Hodgkin's lymphomas	0.3	0.1	-63.3	-6.0★	0.4	0.1	-63.1	-4.9★
Soft tissue	0.5	0.2	-62.8	-5.5★	0.5	0.2	-52.2	-3.8★

The EAPC is the Estimated Annual Percent Change over the time interval.

^δ NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population. Each rate has been age-adjusted by 5-year age groups.

[⊕] The Average Rate is the Average Annual Rate over the specified two-year period.

★ The EAPC is significantly different from zero ($p < .05$).

Table XXVII-3

AGE-ADJUSTED CANCER SEER INCIDENCE RATES§, 1973-93

By Primary Cancer Site

All Races, Males and Females

Year of Diagnosis

Age/Site	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<u>Ages 0-14</u>																					
All Sites																					
All Races	12.7	13.0	11.3	12.9	12.7	13.0	12.9	12.7	12.2	12.8	12.8	13.7	14.3	13.9	14.0	13.2	14.8	14.0	14.8	13.3	14.5
Whites	13.0	13.6	11.8	13.2	13.4	13.5	13.5	12.8	12.2	12.9	13.4	14.2	15.3	14.5	14.3	13.7	15.3	14.0	15.7	13.6	14.4
Blacks	10.5	10.2	8.5	11.1	8.5	9.8	10.4	11.0	13.0	11.8	9.9	10.3	10.1	10.5	11.4	11.8	13.6	12.3	11.7	12.4	12.8
Bone & Joint	0.8	0.6	0.5	0.5	0.6	0.7	0.8	0.7	0.6	0.6	0.7	0.7	0.8	0.7	0.7	0.6	0.6	0.7	0.9	0.5	0.6
Brain & Other nervous	2.3	2.6	2.3	2.4	3.0	2.7	2.8	2.8	2.5	2.4	2.2	2.8	2.9	3.4	3.1	3.2	3.2	3.5	3.5	3.2	3.4
Hodgkin's disease	0.9	0.6	0.7	0.8	0.7	0.7	0.9	0.5	0.6	0.5	0.7	0.7	0.7	0.5	0.7	0.6	0.8	0.7	0.6	0.5	0.6
Kidney & Renal pelvis	0.7	0.7	0.6	0.9	0.7	0.9	0.9	0.8	0.8	0.9	1.1	0.7	0.8	0.9	0.8	0.7	1.1	0.7	0.9	0.7	0.9
Leukemias	3.8	4.8	3.2	4.0	3.8	3.8	3.6	3.9	3.9	3.7	3.6	4.4	4.5	4.0	4.4	4.0	4.6	4.3	4.4	3.9	4.1
Acute lymphocytic	2.4	3.1	2.1	2.9	3.0	3.0	2.7	3.0	3.1	2.9	2.9	3.4	3.4	3.2	3.3	3.2	3.8	3.3	3.4	3.0	2.9
Non-Hodgkin's lymph	0.6	0.9	1.0	0.8	0.8	1.0	0.8	0.7	0.7	0.9	0.9	0.9	0.7	1.0	1.1	0.7	0.8	0.8	0.9	0.8	0.8
Soft tissue	0.8	0.7	0.8	0.7	0.7	0.8	0.6	0.9	0.7	0.9	0.9	0.7	0.9	0.9	0.8	0.6	0.9	0.8	1.0	0.7	0.6
<u>Ages 0-19</u>																					
All Sites																					
All Races	13.7	13.9	12.8	14.1	14.1	14.4	14.5	14.2	13.8	14.4	14.4	15.3	15.7	15.6	15.2	15.0	16.5	15.5	16.1	15.9	15.8
Whites	14.2	14.3	13.2	14.7	14.7	15.0	15.1	14.6	14.0	14.9	15.2	15.9	16.7	16.3	15.9	15.5	17.1	15.7	17.1	16.4	15.8
Blacks	10.3	11.8	10.5	10.7	10.4	10.8	12.6	11.0	12.9	11.8	11.1	12.1	10.5	12.0	11.2	12.9	14.0	13.0	12.4	12.8	13.3
Bone & Joint	0.9	0.8	0.7	0.6	0.7	0.9	0.9	0.9	1.0	0.8	0.8	0.9	1.0	0.9	1.0	0.8	0.9	0.8	1.0	0.8	0.9
Brain & Other nervous	2.1	2.3	2.1	2.2	2.9	2.5	2.5	2.5	2.3	2.3	2.2	2.5	2.6	3.2	2.9	3.0	2.9	3.1	3.1	3.2	2.9
Hodgkin's disease	1.4	1.1	1.5	1.4	1.4	1.5	1.6	1.2	1.2	1.5	1.4	1.5	1.4	1.3	1.4	1.3	1.7	1.3	1.4	1.4	1.3
Kidney & Renal pelvis	0.6	0.5	0.5	0.7	0.6	0.7	0.7	0.6	0.6	0.7	0.8	0.6	0.7	0.7	0.7	0.6	0.8	0.6	0.7	0.5	0.8
Leukemias	3.5	4.2	3.0	3.6	3.4	3.4	3.2	3.4	3.6	3.4	3.4	3.9	4.0	3.6	3.7	3.5	4.1	3.7	4.0	3.6	3.6
Acute lymphocytic	2.0	2.7	1.9	2.4	2.5	2.5	2.3	2.4	2.7	2.5	2.5	3.0	2.8	2.7	2.7	2.6	3.3	2.8	2.9	2.5	2.4
Non-Hodgkin's lymph	0.7	0.9	1.0	0.9	0.8	1.0	0.9	0.9	1.0	1.0	1.1	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1	1.0	0.9
Soft tissue	0.7	0.8	0.8	0.7	0.7	0.9	0.7	0.9	0.7	1.0	1.0	0.7	0.9	0.9	0.8	0.7	0.9	0.8	1.0	0.7	0.7

§ SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population. Each rate has been age-adjusted by 5-year age groups.

Table XXVII-4

AGE-ADJUSTED CANCER U.S. MORTALITY RATES^δ, 1973-93

By Primary Cancer Site

All Races, Males and Females

Year of Diagnosis

Age/Site	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<u>Ages 0-14</u>																					
All Sites	5.5	5.3	4.9	4.9	4.7	4.3	4.4	4.3	4.2	4.2	4.1	3.6	3.6	3.5	3.4	3.3	3.3	3.1	3.1	3.0	3.0
Bone & Joint	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
Brain & Other nervous	1.0	1.1	1.0	1.0	1.0	0.8	0.9	0.9	0.9	1.0	0.9	0.8	0.8	0.9	0.7	0.8	0.9	0.9	0.9	0.8	0.8
Hodgkin's disease	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kidney & Renal pelvis	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Leukemias	2.4	2.3	2.1	2.1	2.0	1.9	1.8	1.7	1.6	1.6	1.5	1.3	1.4	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.1
Acute lymphocytic	1.3	1.3	1.2	1.2	1.1	1.0	1.0	0.9	1.0	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5
Non-Hodgkin's lymph	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.2
Soft tissue	0.6	0.5	0.5	0.6	0.6	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
<u>Ages 0-19</u>																					
All Sites	5.8	5.5	5.1	5.1	5.0	4.5	4.6	4.6	4.4	4.5	4.3	3.9	3.8	3.8	3.6	3.5	3.5	3.4	3.4	3.3	3.3
Bone & Joint	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Brain & Other nervous	0.9	1.0	0.9	0.9	0.9	0.8	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.7	0.8
Hodgkin's disease	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Kidney & Renal pelvis	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Leukemias	2.3	2.2	2.0	2.1	2.0	1.8	1.8	1.8	1.6	1.6	1.5	1.4	1.4	1.3	1.4	1.2	1.2	1.2	1.2	1.2	1.1
Acute lymphocytic	1.2	1.1	1.0	1.1	1.0	0.9	1.0	0.9	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.5
Non-Hodgkin's lymph	0.5	0.5	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2
Soft tissue	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

^δ NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population. Each rate has been age-adjusted by 5-year age groups.

Table XXVII-5

AGE-ADJUSTED CANCER U.S. MORTALITY RATES^δ, 1973-93

By Primary Cancer Site

Whites, Males and Females

Year of Diagnosis

Age/Site	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<u>Ages 0-14</u>																					
All Sites	5.6	5.4	5.0	5.0	4.8	4.3	4.5	4.4	4.2	4.3	4.1	3.7	3.6	3.6	3.5	3.3	3.4	3.2	3.2	3.1	3.1
Bone & Joint	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2
Brain & Other nervous	1.0	1.1	1.0	1.0	1.0	0.8	0.9	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.8	0.8
Hodgkin's disease	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kidney & Renal pelvis	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Leukemias	2.5	2.4	2.3	2.3	2.1	1.9	1.9	1.8	1.7	1.6	1.6	1.4	1.4	1.4	1.4	1.2	1.2	1.1	1.1	1.2	1.1
Acute lymphocytic	1.4	1.4	1.2	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.6	0.5
Non-Hodgkin's lymph	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.2
Soft tissue	0.6	0.5	0.5	0.6	0.6	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
<u>Ages 0-19</u>																					
All Sites	5.9	5.6	5.2	5.2	5.1	4.6	4.7	4.7	4.4	4.5	4.4	4.0	3.9	3.9	3.7	3.6	3.6	3.4	3.5	3.4	3.3
Bone & Joint	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3
Brain & Other nervous	0.9	1.0	0.9	0.9	0.9	0.8	0.9	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Hodgkin's disease	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Kidney & Renal pelvis	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Leukemias	2.4	2.3	2.1	2.2	2.1	1.9	1.9	1.8	1.7	1.7	1.6	1.4	1.4	1.4	1.4	1.3	1.2	1.2	1.2	1.2	1.2
Acute lymphocytic	1.3	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5
Non-Hodgkin's lymph	0.5	0.5	0.5	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
Soft tissue	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

^δ NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population. Each rate has been age-adjusted by 5-year age groups.

Table XXVII-6

AGE-ADJUSTED CANCER U.S. MORTALITY RATES^δ, 1973-93

By Primary Cancer Site

Blacks, Males and Females

Year of Diagnosis

Age/Site	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<u>Ages 0-14</u>																					
All Sites	5.2	4.4	4.5	4.2	4.2	4.1	4.0	3.8	4.2	4.0	3.9	3.5	3.3	3.4	3.0	3.2	3.2	3.0	3.1	2.7	2.7
Bone & Joint	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Brain & Other nervous	1.2	1.1	0.9	1.0	1.0	0.8	0.9	0.9	1.0	0.8	0.8	0.7	0.6	0.9	0.7	1.0	0.8	0.7	0.8	0.7	0.6
Hodgkin's disease	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Kidney & Renal pelvis	0.4	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.2
Leukemias	1.8	1.6	1.6	1.6	1.4	1.5	1.3	1.2	1.6	1.5	1.2	1.3	1.2	1.1	1.0	0.9	1.0	0.9	1.0	0.8	0.9
Acute lymphocytic	0.7	0.7	0.8	0.8	0.7	0.6	0.6	0.6	0.8	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.5	0.5	0.4	0.4	0.3
Non-Hodgkin's lymph	0.3	0.3	0.4	0.2	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.1
Soft tissue	0.6	0.4	0.4	0.5	0.5	0.5	0.3	0.1	0.3	0.3	0.3	0.2	0.2	0.1	0.3	0.2	0.2	0.3	0.1	0.2	0.2
<u>Ages 0-19</u>																					
All Sites	5.6	4.8	4.7	4.5	4.7	4.5	4.3	4.2	4.5	4.3	3.8	3.7	3.5	3.7	3.6	3.5	3.5	3.4	3.4	3.0	3.1
Bone & Joint	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2
Brain & Other nervous	1.1	1.0	0.9	0.9	0.9	0.7	0.9	0.8	0.9	0.8	0.7	0.7	0.6	0.8	0.7	0.9	0.7	0.7	0.7	0.7	0.7
Hodgkin's disease	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
Kidney & Renal pelvis	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.2
Leukemias	1.8	1.5	1.6	1.5	1.4	1.5	1.4	1.4	1.5	1.5	1.1	1.3	1.1	1.1	1.2	1.0	1.1	1.0	1.1	0.9	1.0
Acute lymphocytic	0.7	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.3	0.3
Non-Hodgkin's lymph	0.5	0.3	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.2
Soft tissue	0.5	0.4	0.5	0.5	0.5	0.5	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2

^δ NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population. Each rate has been age-adjusted by 5-year age groups.

Table XXVII-7

AGE-ADJUSTED CANCER SEER INCIDENCE§ AND U.S. MORTALITYδ RATES, 1989-93

By Primary Cancer Site

All Races, Males and Females

Site	<u>Ages 0-14</u>						<u>Ages 0-19</u>					
	<u>Incidence</u>			<u>Mortality</u>			<u>Incidence</u>			<u>Mortality</u>		
	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Sites												
All Races	14.3	15.3	13.3	3.1	3.4	2.8	16.0	16.7	15.1	3.4	3.8	3.0
Whites	14.6	15.6	13.6	3.2	3.5	2.8	16.4	17.4	15.4	3.4	3.9	3.0
Blacks	12.5	13.1	12.0	2.9	3.1	2.7	13.1	13.2	13.0	3.3	3.6	3.0
Bone & Joint	0.7	0.6	0.8	0.1	0.1	0.1	0.9	0.9	0.8	0.2	0.2	0.2
Brain & Other nervous	3.3	3.7	2.9	0.8	0.9	0.8	3.1	3.4	2.7	0.8	0.8	0.7
Hodgkin's disease	0.6	0.7	0.5	0.0	0.0	0.0	1.4	1.4	1.4	0.1	0.1	0.1
Kidney & Renal pelvis	0.9	0.9	0.9	0.1	0.1	0.1	0.7	0.7	0.7	0.1	0.1	0.1
Leukemias	4.3	4.5	4.0	1.1	1.3	0.9	3.8	4.1	3.5	1.2	1.4	1.0
Acute lymphocytic	3.3	3.5	3.1	0.5	0.6	0.4	2.8	3.0	2.5	0.5	0.7	0.4
Non-Hodgkin's lymphomas	0.8	1.2	0.5	0.2	0.2	0.1	1.0	1.4	0.6	0.2	0.3	0.1
Soft tissue	0.8	0.8	0.8	0.2	0.2	0.2	0.8	0.9	0.8	0.2	0.2	0.2

§ SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population. Each rate has been age-adjusted by 5-year age groups.

δ NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population. Each rate has been age-adjusted by 5-year age groups.

Table XXVII-8

5-YEAR RELATIVE SURVIVAL RATES (Percent)

By Selected Primary Cancer Site and Year Of Diagnosis

All Races, Males and Females

Site	Ages 0-14					Ages 0-19				
	1974-76	1977-79	1980-82	1983-85	1986-92	1974-76	1977-79	1980-82	1983-85	1986-92
All Sites										
All Races	55.5	61.4	64.6	68.0	71.4 Ω	58.4	63.9	66.4	69.9	73.2 Ω
Whites	55.6	61.9	65.1	69.5	72.3 Ω	58.6	64.3	67.2	71.5	74.7 Ω
Blacks	56.8	57.4	61.2	57.6	65.0	56.6	59.9	61.1	58.7	63.2
Bone & Joint	53.7 \uparrow	51.8 \uparrow	54.1 \uparrow	58.0 \uparrow	64.6 Ω	50.3	50.9	49.0	53.1	63.5 Ω
Brain & Other nervous	54.4	56.5	55.4	61.9	60.6 Ω	55.2	56.7	57.0	63.6	63.5 Ω
Hodgkin's disease	79.0	83.4	90.8	90.6	92.4 Ω	85.3	87.9	87.1	88.5	90.2 Ω
Leukemias	44.9	58.7	61.8	61.6	71.6 Ω	40.6	53.1	57.3	58.6	67.5 Ω
Acute lymphocytic	52.8	66.7	70.2	69.8	79.3 Ω	48.8	62.6	66.5	67.3	76.2 Ω
Acute myeloid	14.1	26.2 \uparrow	21.1 \uparrow	32.0 \uparrow	32.5 Ω	16.2	25.4	21.7	33.3 \uparrow	35.0 Ω
Neuroblastoma	52.2	53.2	52.5	54.0	63.4 Ω	51.7	53.2	52.7	53.3	62.1 Ω
Non-Hodgkin's lymphomas	44.5	50.7	61.8	70.4	71.0 Ω	44.0	49.7	59.4	66.2	71.3 Ω
Soft tissue	60.3	68.6	64.8	77.9	71.7 Ω	61.8	64.5	64.4	74.9	67.5
Wilms' tumor	74.3	77.3	85.9	86.4	92.6 Ω	73.6	76.8	85.3	86.7	92.7 Ω

Rates are from the SEER Program. They are based on data from population-based registries in Connecticut, New Mexico, Utah, Iowa, Hawaii, Atlanta, Detroit, Seattle-Puget Sound and San Francisco-Oakland. Rates are based on follow-up of patients through 1993.

Ω The difference in rates between 1974-76 and 1986-92 is statistically significant ($p < .05$).

\uparrow The standard error of the survival rate is between 5 and 10 percentage points.

$\uparrow\uparrow$ The standard error of the survival rate is greater than 10 percentage points.

Table XXVII-9

CHILDHOOD CANCER
SEER Incidence, U.S. Mortality and 5-Year Relative Survival Rates
For Top Cancer Sites[⊕] By 5-Year Age Groups
All Races, Males and Females

Age/Site	SEER Incidences [§]				US Mortality ^δ				Survivals	
	1989-93		1973-93		1989-93		1973-93		1974-76	1986-92
	Num Cases	Rate	PC	EAPC	Num Cases	Rate	PC	EAPC		
<u>Ages 0-4</u>										
All Sites	1,876	20.5	14.4	1.0★	3,003	3.1	-46.8	-3.1★	56.1	71.8Ω
Soft tissue	121	1.3	2.7	0.8	144	0.2	-87.2	-11.2★	57.7†	76.3Ω
Kidney and Renal pelvis	186	2.0	27.6	0.6	99	0.1	-68.8	-6.1★	74.2	91.8Ω
Eye and Orbit	133	1.5	37.8	1.5	61	0.1	-60.5	-3.5★	89.1	93.7
Brain and Other nervous	364	4.0	48.2	2.8★	735	0.8	-20.3	-1.2★	51.7	53.0
Other endocrine	119	1.3	-	-	552	0.6	-	-	32.8†	57.5Ω
Leukemias	627	6.8	-15.3	0.2	977	1.0	-51.4	-3.8★	50.4	74.6Ω
Acute lymphocytic	495	5.4	1.3	0.8★	339	0.4	-65.9	-5.6★	57.9	82.5Ω
<u>Ages 5-9</u>										
All Sites	971	11.2	6.0	0.8★	2,913	3.2	-47.7	-3.3★	55.5	71.2Ω
Brain and Other nervous	289	3.3	28.1	1.5★	915	1.0	-26.4	-0.9★	54.0	63.7
Leukemias	338	3.9	-1.8	1.1	1,053	1.2	-61.9	-5.3★	47.0	74.8Ω
Acute lymphocytic	265	3.1	14.8	1.7★	565	0.6	-67.0	-6.3★	53.4	80.9Ω
<u>Ages 10-14</u>										
All Sites	1,014	12.1	2.7	0.6★	2,636	3.0	-38.2	-2.5★	54.8	71.0Ω
Bone and Joint	108	1.3	-31.5	0.3	244	0.3	-46.9	-3.3★	52.8†	65.8Ω
Brain and Other nervous	235	2.8	27.5	1.5★	644	0.7	-19.4	-1.3★	57.8	68.8Ω
Hodgkin's disease	109	1.3	-21.4	-0.8	37	0.0	-57.2	-5.4★	75.9	94.4Ω
Leukemias	205	2.5	4.2	0.7	1,006	1.1	-40.7	-3.0★	29.0	55.3Ω
Acute lymphocytic	146	1.7	16.1	1.6	500	0.6	-46.5	-3.4★	37.2†	62.9Ω
<u>Ages 15-19</u>										
All Sites	1,685	21.0	30.8	1.1★	3,716	4.2	-33.5	-2.2★	63.7	76.9Ω
Bone and Joint	123	1.5	38.8	1.1	438	0.5	-37.3	-2.7★	46.6†	62.2Ω
Melanomas of skin	133	1.7	91.8	2.8★	55	0.1	-47.4	-4.0★	76.7†	96.1Ω
Ovary(females)	95	2.4	50.8	3.0★	41	0.1	-68.0	-6.3★	69.0†	89.9Ω
Testis(males)	128	3.1	72.2	2.7★	53	0.1	-73.2	-8.8★	55.4†	92.9Ω
Brain and Other nervous	176	2.2	57.4	1.4	543	0.6	-12.5	-1.0★	58.4†	75.9Ω
Thyroid	119	1.5	8.9	0.6	-	-	-	-	100.0	98.2
Hodgkin's disease	302	3.8	27.7	0.6	154	0.2	-64.7	-4.4★	88.8	89.3
Non-Hodgkin's lymphomas	123	1.5	60.5	2.7★	336	0.4	-36.7	-2.3★	42.6†	71.8Ω
Leukemias	195	2.4	0.5	0.1	1,207	1.4	-34.4	-2.0★	21.5	41.6Ω
Acute lymphocytic	100	1.2	-3.9	1.0	516	0.6	-30.0	-1.6★	21.2†	47.5Ω†

The PC is the Percent Change over the time interval.

The EAPC is the Estimated Annual Percent Change over the time interval.

Note: Incidence and mortality rates are per 100,000. Survival rates are expressed as percents.

§ SEER Program.

δ NCHS public use tape.

★ The EAPC is significantly different from zero ($p < .05$).

Ω The difference in rates between 1974-76 and 1986-92 is statistically significant ($p < .05$).

† The standard error of the survival rate is between 5 and 10 percentage points.

↑ The standard error of the survival rate is greater than 10 percentage points.

⊕ Sites were chosen based on more than 100 SEER incident cases between 1989-93.

- Statistic could not be calculated.

Table XXVII-10
ALL SITES (Invasive)

INCIDENCE, MORTALITY, AND SURVIVAL RATES

By Year of Diagnosis/Death

All Races, Males and Females

Ages 0-14

Year of Diagnosis/Death

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Incidence																					
SEER	12.7	13.0	11.3	12.9	12.7	13.0	12.9	12.7	12.2	12.8	12.8	13.7	14.3	13.9	14.0	13.2	14.8	14.0	14.8	13.3	14.5
Mortality																					
U.S.	5.5	5.3	4.9	4.9	4.7	4.3	4.4	4.3	4.2	4.2	4.1	3.6	3.6	3.5	3.4	3.3	3.3	3.1	3.1	3.0	3.0
SEER	5.8	5.9	5.0	4.7	4.9	4.3	4.6	4.2	4.1	4.3	4.5	3.6	4.0	4.1	3.8	3.6	2.8	3.2	3.4	2.9	3.1
Relative Survival Rates (SEER)																					
1-year	76.3	75.7	79.8	80.5	82.6	81.9	81.7	84.0	83.9	85.9	84.9	86.1	87.2	85.7	85.8	88.4	88.7	89.3	90.8	90.9	
2-year	63.5	63.2	66.6	70.1	71.4	73.7	72.6	74.4	74.5	76.4	76.6	76.2	78.2	76.2	76.5	80.1	80.1	81.4	81.7		
3-year	57.9	57.8	60.9	63.7	65.4	69.3	66.4	68.1	70.0	71.2	72.3	71.2	74.0	72.3	71.6	76.3	75.8	77.0			
4-year	53.9	55.5	58.4	60.0	62.3	65.6	62.7	64.4	65.6	69.6	69.8	67.1	70.7	70.8	69.6	73.0	73.0				
5-year	50.9	53.4	55.3	57.8	59.9	63.4	60.9	62.0	64.2	67.6	67.6	66.4	70.0	68.3	69.0	71.9					
6-year	49.8	51.4	53.0	56.4	58.6	61.6	59.2	60.5	63.1	66.4	66.8	65.6	68.5	67.5	67.5						
7-year	48.3	50.4	51.1	55.1	57.6	61.0	58.0	59.6	61.6	65.7	66.5	64.6	67.3	67.3							
8-year	47.4	49.9	50.0	54.6	57.1	60.3	56.8	58.7	60.8	65.2	65.8	63.6	65.9								
9-year	47.0	49.1	49.7	54.4	56.8	59.6	56.5	57.8	60.3	64.9	65.6	62.9									
10-year	46.2	49.0	49.2	54.1	56.6	59.3	56.3	57.3	59.9	64.2	65.0										
11-year	45.7	48.7	49.2	54.1	56.1	58.8	55.6	57.2	59.1	63.8											
12-year	45.1	48.5	48.6	53.4	56.0	58.5	55.5	56.8	58.2												
13-year	44.5	48.4	48.6	53.1	55.8	58.5	55.1	56.6													
14-year	44.2	48.2	48.6	53.0	55.1	57.6	54.7														
15-year	43.6	48.1	48.6	52.8	55.0	57.3															
16-year	43.4	47.6	48.6	52.1	54.2																
17-year	43.2	47.4	48.2	51.5																	
18-year	42.8	46.8	47.8																		
19-year	42.8	46.8																			
20-year	42.8																				

Note: Incidence and mortality rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.

Survival rates are relative rates expressed as percents.

Table XXVII-11
ALL SITES (Invasive)

INCIDENCE, MORTALITY, AND SURVIVAL RATES

By Year of Diagnosis/Death

All Races, Males and Females

Ages 0-19

Year of Diagnosis/Death

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Incidence																					
SEER	13.7	13.9	12.8	14.1	14.1	14.4	14.5	14.2	13.8	14.4	14.4	15.3	15.7	15.6	15.2	15.0	16.5	15.5	16.1	15.9	15.8
Mortality																					
U.S.	5.8	5.5	5.1	5.1	5.0	4.5	4.6	4.6	4.4	4.5	4.3	3.9	3.8	3.8	3.6	3.5	3.5	3.4	3.4	3.3	3.3
SEER	5.8	5.9	5.4	5.2	4.9	4.4	5.0	4.4	4.4	4.7	4.8	3.8	4.2	4.3	3.9	3.8	3.1	3.6	3.6	3.4	3.5
Relative Survival Rates (SEER)																					
1-year	77.1	77.7	81.4	82.4	84.0	83.2	83.9	86.2	84.9	85.9	86.9	87.5	87.8	88.1	88.1	90.0	89.6	90.3	91.5	90.2	
2-year	65.6	64.3	69.2	73.1	74.0	73.8	74.3	76.5	74.8	77.7	79.2	77.9	78.6	79.0	79.5	82.6	81.3	82.5	83.2		
3-year	60.5	58.8	64.0	67.5	68.6	69.4	69.1	70.3	70.1	72.5	74.9	73.3	75.1	75.5	74.8	78.3	77.4	77.9			
4-year	56.9	56.6	61.1	63.9	65.3	66.4	65.8	67.8	66.3	70.4	72.1	69.2	72.4	73.7	72.3	75.5	73.9				
5-year	54.2	54.3	58.3	62.2	63.2	64.5	63.9	65.8	64.8	68.5	69.7	68.3	71.6	71.6	71.6	74.4					
6-year	52.7	52.5	55.9	60.5	61.9	62.9	62.0	64.5	63.4	67.4	68.5	66.8	70.3	71.0	70.4						
7-year	51.3	51.5	54.6	59.3	61.2	62.3	60.8	63.9	62.5	66.8	67.9	66.0	69.1	70.5							
8-year	50.7	50.7	53.8	58.7	60.6	61.7	59.3	63.2	61.8	66.1	66.7	64.8	68.0								
9-year	50.5	49.8	53.2	58.3	59.8	60.9	59.2	62.6	61.4	65.2	66.2	64.1									
10-year	49.8	49.7	52.6	57.8	59.3	60.7	59.1	62.2	61.0	64.5	65.7										
11-year	49.3	49.4	52.6	57.5	58.9	60.2	58.5	61.9	60.1	64.0											
12-year	48.8	49.2	52.1	57.0	58.9	59.9	58.0	61.7	59.3												
13-year	48.5	48.6	52.1	56.8	58.8	59.7	57.7	61.3													
14-year	47.7	48.5	52.0	56.6	58.1	59.1	57.5														
15-year	47.0	48.3	51.9	56.6	57.7	58.9															
16-year	46.8	48.0	51.9	56.0	57.0																
17-year	46.3	47.3	51.6	55.5																	
18-year	45.7	46.8	51.0																		
19-year	45.6	46.7																			
20-year	45.3																				

Note: Incidence and mortality rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.

Survival rates are relative rates expressed as percents.