

Table XIII-1
ALL LEUKEMIAS

TRENDS IN SEER INCIDENCE AND U.S. MORTALITY, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>INCIDENCE TRENDS (expressed in percents)§:</u>									
<u>1973-93</u>									
All Ages									
Percent Change (PC)	-7.1	-7.6	-7.0	-7.6	-7.8	-8.5	-13.9	-12.6	-14.2
Est. Annual PC (EAPC)	-0.2	-0.2	-0.3★	-0.2★	-0.3	-0.3	-0.2	-0.3	-0.2
Under 65									
Percent Change (PC)	-4.3	-4.6	-3.8	-6.0	-6.2	-6.4	-7.6	-1.0	-13.6
Est. Annual PC (EAPC)	0.0	0.1	-0.1	-0.1	-0.1	-0.2	-0.1	0.3	-0.5
65 and over									
Percent Change (PC)	-9.9	-10.2	-10.3	-9.2	-9.2	-10.7	-19.7	-21.2	-14.9
Est. Annual PC (EAPC)	-0.4★	-0.5★	-0.5★	-0.4★	-0.5★	-0.4★	-0.4	-0.7	0.1
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	-4.0	-4.2	-4.4	-2.1	-2.8	-1.6	-10.7	-13.6	-8.7
Est. Annual PC (EAPC)	-1.1	-1.0	-1.3	-0.6	-0.6	-0.6	-2.7	-4.1	-1.4
<u>1989-93 - ALL AGES</u>									
Percent Change (PC)	-5.9	-7.1	-4.9	-7.2	-6.6	-9.3	-5.3	-11.2	2.8
Est. Annual PC (EAPC)	-2.4	-2.7★	-2.1	-2.8★	-2.6★	-3.4	-2.0★	-4.1	0.8
<u>MORTALITY TRENDS (expressed in percents)δ:</u>									
<u>1973-93</u>									
All Ages									
Percent Change (PC)	-5.1	-4.0	-5.8	-5.6	-4.5	-6.5	5.3	6.2	7.4
Est. Annual PC (EAPC)	-0.3★	-0.3★	-0.3★	-0.4★	-0.4★	-0.3★	0.4★	0.6★	0.3★
Under 65									
Percent Change (PC)	-18.3	-17.7	-19.3	-19.3	-18.7	-20.5	-7.3	-5.7	-7.7
Est. Annual PC (EAPC)	-1.1★	-1.1★	-1.1★	-1.2★	-1.2★	-1.2★	-0.5★	-0.3★	-0.6★
65 and over									
Percent Change (PC)	6.7	6.4	7.5	6.6	6.0	7.2	19.5	18.3	25.9
Est. Annual PC (EAPC)	0.3★	0.2★	0.4★	0.3★	0.2★	0.4★	1.2★	1.3★	1.3★
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	-0.4	-0.8	0.4	-0.5	-1.1	0.5	1.3	3.9	-0.3
Est. Annual PC (EAPC)	0.0	-0.1	0.3	0.0	-0.2	0.3	0.7	1.0	0.7
<u>1989-93 - ALL AGES</u>									
Percent Change (PC)	-0.2	0.0	-0.7	-0.1	0.3	-0.8	-1.7	-4.7	1.1
Est. Annual PC (EAPC)	-0.1	0.0	-0.3	-0.1	0.1	-0.3	-0.3	-1.4◇	0.7

The Est. Annual PC is the Estimated Annual Percent Change (EAPC) over the time interval.

§ SEER Program.

δ NCHS public use tape.

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

◆ The EAPC for 1989-93 is significantly different from the EAPC for 1975-79 ($p < .05$).

◇ The EAPC for 1989-93 is significantly different from the EAPC for 1975-79 ($p < .10$).

- Statistic could not be calculated.

Table XIII-2
ALL LEUKEMIAS

SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
YEAR OF DIAGNOSIS:									
1973	10.6	13.7	8.1	10.8	14.3	8.1	9.6	12.0	8.0
1974	10.8	14.1	8.3	11.0	14.6	8.4	10.4	13.1	8.1
1975	10.6	13.7	8.3	10.8	14.2	8.4	9.3	12.5	7.1
1976	11.2	14.9	8.5	11.4	15.4	8.6	9.4	11.6	7.8
1977	10.5	13.3	8.5	10.9	13.9	8.8	8.1	10.7	6.3
1978	10.6	13.9	8.1	11.1	14.7	8.5	7.8	9.8	6.1
1979	10.3	13.5	7.9	10.7	14.1	8.2	8.9	11.0	7.4
1980	10.7	14.2	8.1	11.0	14.6	8.3	10.0	13.1	7.7
1981	10.3	13.4	8.2	10.5	13.8	8.3	10.6	12.5	9.0
1982	10.8	14.6	8.0	11.1	15.1	8.2	9.1	12.2	7.0
1983	10.8	14.4	8.1	11.0	14.8	8.2	10.1	13.0	7.9
1984	10.8	13.9	8.5	11.0	14.3	8.6	9.5	10.8	8.4
1985	11.1	14.3	8.6	11.3	14.7	8.8	9.7	13.0	7.4
1986	10.6	14.2	7.8	11.0	14.8	8.2	8.3	10.6	6.7
1987	10.8	14.1	8.3	11.0	14.5	8.5	10.2	14.1	7.5
1988	10.5	13.9	7.8	10.7	14.3	8.0	9.2	11.4	7.4
1989	10.9	14.1	8.5	11.2	14.4	8.8	9.2	12.8	6.6
1990	10.2	13.6	7.6	10.5	14.1	7.9	9.0	12.0	6.8
1991	10.5	13.3	8.3	10.8	13.8	8.4	9.1	9.9	8.5
1992	10.2	13.4	7.7	10.3	13.9	7.6	8.8	11.3	7.0
1993	9.7	12.4	7.6	9.8	12.7	7.5	8.4	10.6	6.8
<u>AGE-ADJUSTED RATES, 1989-93</u>									
AGE AT DIAGNOSIS:									
All ages	10.3	13.3	7.9	10.5	13.8	8.0	8.9	11.3	7.1
Under 65	5.7	7.0	4.6	5.8	7.1	4.6	5.0	6.0	4.2
65 and over	51.7	71.6	38.6	53.6	75.0	39.6	44.1	59.7	33.9
All ages (world std.) ^λ	8.6	10.9	6.7	8.8	11.3	6.8	7.4	9.2	6.0
<u>AGE-SPECIFIC RATES, 1989-93</u>									
AGE AT DIAGNOSIS:									
0-4	6.8	7.1	6.6	7.4	7.5	7.2	3.5	3.5	3.5
5-9	3.9	4.1	3.7	3.7	4.0	3.3	3.8	3.7	4.0
10-14	2.5	2.7	2.2	2.6	2.8	2.4	1.9	2.4	1.5
15-19	2.4	2.7	2.1	2.5	2.9	2.0	1.9	1.7	2.2
20-24	2.1	2.5	1.6	2.1	2.7	1.4	1.5	1.4	1.5
25-29	2.2	2.5	1.9	2.1	2.4	1.8	2.3	2.4	2.2
30-34	2.4	3.0	1.8	2.5	3.0	2.0	1.5	2.1	0.9
35-39	3.2	4.1	2.3	3.2	4.0	2.5	3.1	4.6	1.8
40-44	5.0	5.7	4.3	4.9	5.4	4.3	4.5	5.8	3.4
45-49	6.9	8.2	5.5	6.8	8.3	5.3	6.5	6.6	6.3
50-54	10.9	13.9	8.0	11.2	14.1	8.3	8.9	12.3	6.0
55-59	16.3	21.1	11.8	16.3	21.2	11.6	15.5	20.0	11.9
60-64	23.9	32.0	16.7	24.2	32.4	16.6	24.7	30.6	20.0
65-69	34.9	46.3	25.5	36.1	48.1	26.1	32.7	43.2	24.7
70-74	48.4	66.8	34.4	50.5	69.8	35.7	39.2	61.2	24.0
75-79	59.3	83.2	43.2	61.3	87.4	44.1	49.8	60.2	43.4
80-84	74.3	105.5	57.3	77.0	110.4	59.3	61.0	93.7	43.7
85+	88.3	124.8	74.2	91.1	133.5	75.3	74.3	78.4	72.6

§ SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.

λ SEER Program. Rates are per 100,000 and are age-adjusted to the world standard population.

Table XIII-3
ACUTE LYMPHOCYTIC LEUKEMIA

SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
YEAR OF DIAGNOSIS:									
1973	1.1	1.5	0.8	1.2	1.6	0.9	0.3	0.1	0.4
1974	1.4	1.7	1.1	1.4	1.7	1.1	1.1	1.2	1.1
1975	1.0	1.2	0.8	1.1	1.3	0.9	0.4	0.6	0.2
1976	1.2	1.4	1.1	1.2	1.4	1.1	0.9	0.5	1.2
1977	1.2	1.4	1.0	1.3	1.5	1.1	0.7	0.8	0.6
1978	1.2	1.4	1.0	1.3	1.5	1.1	0.6	0.7	0.5
1979	1.2	1.3	1.0	1.2	1.4	1.1	0.4	0.6	0.2
1980	1.2	1.5	1.0	1.3	1.6	1.0	0.8	1.1	0.5
1981	1.4	1.5	1.3	1.5	1.5	1.4	1.0	0.9	1.2
1982	1.4	1.6	1.1	1.4	1.7	1.2	0.7	0.9	0.6
1983	1.4	1.7	1.2	1.5	1.8	1.3	0.9	1.0	0.7
1984	1.5	1.6	1.4	1.5	1.6	1.4	1.1	1.3	1.0
1985	1.5	1.7	1.2	1.5	1.8	1.3	0.6	0.8	0.4
1986	1.5	1.8	1.1	1.5	2.0	1.1	0.8	0.6	0.9
1987	1.5	1.6	1.3	1.5	1.7	1.3	1.0	0.7	1.3
1988	1.5	1.9	1.2	1.6	1.9	1.2	1.0	1.2	0.8
1989	1.8	2.0	1.6	1.9	2.1	1.7	1.2	1.3	1.2
1990	1.5	1.8	1.3	1.6	1.9	1.4	0.7	1.0	0.4
1991	1.5	1.9	1.2	1.7	2.1	1.2	1.0	0.7	1.2
1992	1.5	1.7	1.2	1.5	1.8	1.2	1.1	0.9	1.3
1993	1.4	1.5	1.2	1.5	1.6	1.2	0.8	0.8	0.8
<u>AGE-ADJUSTED RATES, 1989-93</u>									
AGE AT DIAGNOSIS:									
All ages	1.5	1.8	1.3	1.6	1.9	1.3	1.0	0.9	1.0
Under 65	1.5	1.8	1.3	1.6	1.9	1.4	1.0	0.9	1.0
65 and over	1.5	2.0	1.1	1.6	2.2	1.2	0.7	1.0	0.5
All ages (world std.) ^λ	1.7	1.9	1.4	1.8	2.0	1.5	1.0	1.0	1.0
<u>AGE-SPECIFIC RATES, 1989-93</u>									
AGE AT DIAGNOSIS:									
0-4	5.4	5.7	5.1	5.9	6.2	5.7	2.6	2.6	2.5
5-9	3.1	3.2	3.0	3.0	3.3	2.7	2.2	1.8	2.7
10-14	1.7	2.0	1.5	1.9	2.1	1.7	1.3	1.6	0.9
15-19	1.2	1.8	0.7	1.3	1.9	0.6	1.0	0.9	1.1
20-24	0.8	1.1	0.5	0.9	1.2	0.4	0.6	0.5	0.7
25-29	0.5	0.6	0.4	0.5	0.7	0.4	0.4	0.7	0.2
30-34	0.4	0.5	0.3	0.4	0.5	0.3	0.2	0.3	0.0
35-39	0.4	0.5	0.2	0.4	0.5	0.2	0.2	0.4	0.0
40-44	0.6	0.6	0.7	0.6	0.7	0.6	0.4	0.2	0.6
45-49	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.9
50-54	0.9	1.3	0.4	0.9	1.5	0.4	0.2	0.0	0.4
55-59	0.9	1.1	0.6	0.8	1.1	0.5	1.0	1.1	0.9
60-64	1.0	1.4	0.7	1.1	1.5	0.8	0.5	0.0	0.9
65-69	0.9	1.2	0.6	0.9	1.3	0.6	0.9	1.3	0.5
70-74	1.4	2.1	0.9	1.6	2.4	1.1	0.4	0.9	0.0
75-79	1.8	2.4	1.4	1.8	2.3	1.5	0.5	1.4	0.0
80-84	1.9	2.7	1.5	2.1	3.0	1.6	1.0	0.0	1.5
85+	2.9	3.2	2.8	3.2	3.7	3.0	1.2	0.0	1.7

§ SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.

λ SEER Program. Rates are per 100,000 and are age-adjusted to the world standard population.

Table XIII-4
CHRONIC LYMPHOCYTIC LEUKEMIA
 SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
YEAR OF DIAGNOSIS:									
1973	3.4	4.8	2.3	3.5	5.0	2.4	3.9	6.0	2.3
1974	3.5	4.9	2.5	3.7	5.2	2.6	2.6	3.5	1.8
1975	3.5	4.6	2.6	3.6	4.8	2.7	3.6	5.3	2.5
1976	3.6	5.2	2.4	3.7	5.5	2.5	3.1	4.5	2.2
1977	3.3	4.4	2.5	3.5	4.6	2.6	3.0	4.3	2.0
1978	3.4	4.5	2.6	3.6	4.9	2.8	2.6	3.0	2.2
1979	3.2	4.4	2.3	3.4	4.7	2.4	2.4	3.2	1.8
1980	3.6	4.9	2.6	3.7	5.1	2.7	3.7	5.5	2.4
1981	3.3	4.8	2.2	3.4	5.1	2.3	3.2	4.7	2.0
1982	3.4	4.8	2.3	3.5	5.0	2.4	2.9	5.0	1.4
1983	3.4	4.9	2.4	3.6	5.2	2.5	3.2	4.6	2.3
1984	3.4	4.8	2.4	3.6	5.1	2.5	3.0	4.0	2.2
1985	3.4	4.6	2.4	3.6	4.9	2.6	2.9	4.4	2.0
1986	3.4	4.8	2.4	3.7	5.2	2.7	2.1	3.1	1.2
1987	3.4	5.1	2.2	3.6	5.4	2.3	3.2	5.0	1.9
1988	3.3	4.6	2.2	3.4	4.9	2.2	3.3	4.0	2.6
1989	3.4	4.6	2.5	3.5	4.8	2.5	2.8	3.8	2.1
1990	3.1	4.4	2.2	3.2	4.6	2.2	3.1	4.4	2.3
1991	3.2	4.2	2.4	3.3	4.5	2.4	2.8	2.7	2.8
1992	3.0	4.3	2.1	3.1	4.5	2.1	2.5	3.7	1.6
1993	2.6	3.6	1.9	2.7	3.7	1.9	2.4	3.7	1.5
<u>AGE-ADJUSTED RATES, 1989-93</u>									
AGE AT DIAGNOSIS:									
All ages	3.1	4.2	2.2	3.2	4.4	2.2	2.7	3.7	2.0
Under 65	1.2	1.6	0.8	1.2	1.7	0.7	1.0	1.4	0.7
65 and over	20.2	27.9	15.2	21.2	29.6	15.7	17.9	24.0	14.1
All ages (world std.) ^λ	2.3	3.2	1.6	2.4	3.3	1.6	2.0	2.8	1.5
<u>AGE-SPECIFIC RATES, 1989-93</u>									
AGE AT DIAGNOSIS:									
0-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25-29	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
30-34	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.0
35-39	0.2	0.4	0.1	0.2	0.3	0.1	0.4	0.8	0.0
40-44	0.8	1.0	0.6	0.8	0.9	0.6	0.5	1.2	0.0
45-49	1.7	2.4	1.0	1.6	2.4	0.8	1.5	2.0	1.2
50-54	3.6	5.1	2.2	3.7	5.1	2.3	2.4	4.4	0.8
55-59	6.2	8.5	4.1	6.5	8.9	4.1	5.3	7.6	3.5
60-64	9.3	13.0	6.1	9.6	13.7	5.8	9.3	10.6	8.4
65-69	13.9	18.7	9.9	14.7	19.5	10.6	10.9	15.3	7.6
70-74	18.6	25.2	13.6	19.5	26.8	14.0	16.9	25.4	11.0
75-79	23.0	31.0	17.6	24.2	33.7	17.9	21.1	20.1	21.7
80-84	28.9	40.7	22.5	30.2	42.6	23.6	26.7	44.1	17.5
85+	34.7	53.0	27.7	35.9	56.8	28.1	33.0	39.2	30.4

[§] SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.

^λ SEER Program. Rates are per 100,000 and are age-adjusted to the world standard population.

Table XIII-5
ACUTE MYELOID LEUKEMIA

SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
YEAR OF DIAGNOSIS:									
1973	2.5	3.0	2.2	2.6	3.2	2.1	1.8	2.0	1.7
1974	2.4	2.9	2.0	2.4	2.9	2.1	2.1	2.5	1.9
1975	2.6	3.1	2.3	2.7	3.2	2.3	1.9	2.2	1.9
1976	2.7	3.3	2.2	2.7	3.3	2.2	2.0	2.0	1.9
1977	2.6	3.0	2.3	2.7	3.2	2.4	1.3	1.8	1.0
1978	2.5	3.2	2.0	2.6	3.2	2.0	2.0	2.7	1.4
1979	2.5	2.9	2.2	2.5	3.1	2.2	2.5	2.1	2.9
1980	2.3	3.1	1.8	2.3	3.0	1.8	2.0	2.6	1.5
1981	2.3	2.8	2.0	2.4	2.9	2.0	2.0	2.0	2.0
1982	2.5	3.3	2.0	2.5	3.4	2.0	2.2	2.6	1.9
1983	2.3	2.9	1.9	2.3	2.9	1.8	2.2	2.3	2.1
1984	2.5	3.0	2.1	2.5	3.1	2.1	1.9	1.9	1.8
1985	2.5	3.1	2.2	2.4	2.9	2.2	2.6	3.4	2.1
1986	2.2	2.8	1.8	2.1	2.7	1.8	2.4	2.9	2.0
1987	2.2	2.9	1.8	2.3	2.9	1.8	2.0	3.2	1.2
1988	2.2	2.8	1.8	2.2	2.8	1.8	1.9	1.8	1.9
1989	2.5	3.1	2.1	2.6	3.1	2.2	1.9	3.1	1.0
1990	2.3	3.0	1.9	2.4	3.0	1.9	1.7	2.0	1.6
1991	2.6	3.1	2.3	2.7	3.0	2.4	2.6	3.6	1.9
1992	2.5	3.0	2.2	2.6	3.1	2.2	2.4	2.3	2.5
1993	2.7	3.3	2.2	2.7	3.4	2.2	2.0	2.0	2.1
<u>AGE-ADJUSTED RATES, 1989-93</u>									
AGE AT DIAGNOSIS:									
All ages	2.5	3.1	2.1	2.6	3.2	2.2	2.1	2.6	1.8
Under 65	1.4	1.5	1.3	1.4	1.5	1.3	1.3	1.3	1.2
65 and over	13.3	17.9	10.0	13.7	18.6	10.4	10.0	14.3	7.2
All ages (world std.) ^λ	2.1	2.4	1.8	2.1	2.5	1.8	1.8	2.1	1.6
<u>AGE-SPECIFIC RATES, 1989-93</u>									
AGE AT DIAGNOSIS:									
0-4	0.7	0.5	0.9	0.7	0.5	0.9	0.5	0.3	0.6
5-9	0.5	0.5	0.4	0.4	0.4	0.3	0.7	0.7	0.7
10-14	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.6
15-19	0.7	0.6	0.9	0.7	0.7	0.8	0.7	0.6	0.9
20-24	0.7	0.9	0.6	0.7	0.9	0.5	0.4	0.5	0.3
25-29	0.7	0.7	0.7	0.6	0.6	0.6	0.9	0.7	1.1
30-34	0.8	0.9	0.6	0.8	1.0	0.7	0.2	0.2	0.3
35-39	1.0	1.1	0.9	1.1	1.2	1.0	0.4	0.2	0.5
40-44	1.4	1.4	1.4	1.4	1.3	1.5	1.1	1.2	1.0
45-49	1.9	1.8	1.9	1.9	1.9	1.9	1.7	1.6	1.7
50-54	2.6	2.7	2.5	2.7	2.6	2.7	2.0	3.1	1.1
55-59	4.1	5.0	3.4	4.1	4.9	3.3	4.4	4.9	4.0
60-64	6.3	7.5	5.3	6.5	7.7	5.4	7.0	7.6	6.5
65-69	9.4	12.0	7.3	9.9	12.6	7.7	7.7	10.6	5.5
70-74	13.1	18.5	9.0	13.6	19.4	9.2	9.6	14.1	6.5
75-79	15.9	22.5	11.5	16.2	22.9	11.8	11.4	15.8	8.7
80-84	17.7	24.9	13.8	18.3	25.8	14.2	14.3	24.8	8.7
85+	18.0	20.4	17.1	18.7	21.5	17.6	11.8	11.8	11.8

§ SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.

λ SEER Program. Rates are per 100,000 and are age-adjusted to the world standard population.

Table XIII-6
CHRONIC MYELOID LEUKEMIA

SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
YEAR OF DIAGNOSIS:									
1973	1.5	1.9	1.3	1.6	2.0	1.3	1.8	1.8	1.7
1974	1.5	1.9	1.2	1.5	1.9	1.2	1.5	1.7	1.2
1975	1.6	2.3	1.1	1.6	2.3	1.0	1.6	2.1	1.2
1976	1.6	2.0	1.2	1.5	1.9	1.2	1.7	2.4	1.1
1977	1.3	1.6	1.1	1.3	1.7	1.1	1.5	1.6	1.4
1978	1.4	1.8	1.1	1.4	1.8	1.1	1.4	1.9	1.0
1979	1.5	2.0	1.1	1.5	2.0	1.1	1.7	2.4	1.1
1980	1.4	1.7	1.2	1.4	1.7	1.2	1.2	1.4	1.0
1981	1.3	1.6	1.1	1.3	1.5	1.1	2.1	2.7	1.6
1982	1.3	1.7	1.1	1.3	1.7	1.1	1.6	1.6	1.6
1983	1.4	1.8	1.1	1.3	1.7	1.0	2.0	2.8	1.5
1984	1.3	1.8	0.9	1.3	1.8	0.8	2.1	2.1	2.1
1985	1.6	2.2	1.2	1.6	2.2	1.2	1.8	2.5	1.2
1986	1.4	1.8	1.0	1.4	1.8	1.0	1.3	1.4	1.3
1987	1.5	1.8	1.2	1.5	1.8	1.2	1.6	2.1	1.3
1988	1.5	2.0	1.2	1.5	2.0	1.2	1.6	2.2	1.1
1989	1.3	1.7	1.0	1.3	1.7	1.0	1.7	2.3	1.2
1990	1.3	1.9	0.9	1.3	1.9	0.9	2.1	2.9	1.6
1991	1.4	1.8	1.1	1.5	1.9	1.1	1.2	1.1	1.3
1992	1.4	1.7	1.1	1.4	1.7	1.1	1.1	1.5	0.9
1993	1.4	1.8	1.0	1.3	1.8	1.1	1.8	2.7	1.1
<u>AGE-ADJUSTED RATES, 1989-93</u>									
AGE AT DIAGNOSIS:									
All ages	1.4	1.8	1.1	1.3	1.8	1.0	1.6	2.1	1.2
Under 65	0.8	0.9	0.6	0.7	0.9	0.6	1.0	1.2	0.8
65 and over	7.0	9.7	5.2	7.2	10.1	5.3	7.0	9.7	5.3
All ages (world std.) ^λ	1.1	1.4	0.9	1.1	1.4	0.8	1.3	1.8	1.0
<u>AGE-SPECIFIC RATES, 1989-93</u>									
AGE AT DIAGNOSIS:									
0-4	0.1	0.2	0.0	0.1	0.2	0.1	0.1	0.2	0.0
5-9	0.1	0.0	0.1	0.0	0.0	0.0	0.3	0.0	0.5
10-14	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0
15-19	0.2	0.2	0.3	0.2	0.2	0.3	0.1	0.2	0.0
20-24	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.4	0.2
25-29	0.5	0.7	0.4	0.5	0.6	0.3	0.4	0.7	0.2
30-34	0.6	0.7	0.6	0.6	0.7	0.6	0.8	1.0	0.6
35-39	0.9	1.3	0.6	0.8	1.1	0.6	1.7	2.7	0.8
40-44	1.1	1.4	0.9	1.0	1.2	0.8	1.7	2.3	1.2
45-49	1.3	1.5	1.1	1.2	1.3	1.1	2.2	2.6	1.7
50-54	2.0	2.4	1.6	2.0	2.6	1.4	2.6	2.2	3.0
55-59	2.1	2.4	1.7	2.0	2.4	1.6	2.4	2.7	2.2
60-64	3.2	4.2	2.2	3.1	3.9	2.3	3.4	5.3	1.9
65-69	4.7	6.6	3.2	4.7	6.7	3.0	7.2	8.6	6.0
70-74	6.2	8.3	4.7	6.5	8.6	5.0	5.4	8.5	3.2
75-79	7.7	10.4	5.8	8.1	11.3	6.1	5.9	7.2	5.2
80-84	10.1	14.6	7.7	10.5	15.2	8.0	6.7	13.8	2.9
85+	13.1	19.9	10.5	13.2	21.0	10.3	15.3	19.6	13.5

§ SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.

λ SEER Program. Rates are per 100,000 and are age-adjusted to the world standard population.

Table XIII-7
ALL LEUKEMIASU.S. MORTALITY RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES^δ, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
YEAR OF DEATH:									
1973	6.7	8.8	5.2	6.9	9.0	5.3	5.8	7.7	4.4
1974	6.7	8.7	5.2	6.8	8.9	5.3	5.5	7.0	4.3
1975	6.6	8.8	5.1	6.8	9.0	5.2	5.5	7.1	4.4
1976	6.6	8.8	5.1	6.8	9.0	5.1	5.7	7.2	4.6
1977	6.6	8.7	5.1	6.7	8.9	5.2	5.7	7.1	4.7
1978	6.5	8.6	5.0	6.6	8.8	5.1	5.6	7.6	4.2
1979	6.7	8.8	5.2	6.8	9.0	5.3	5.8	7.3	4.7
1980	6.8	8.9	5.2	6.9	9.2	5.3	5.9	7.5	4.7
1981	6.5	8.7	5.0	6.7	8.9	5.1	5.9	7.3	4.8
1982	6.6	8.7	5.1	6.7	8.9	5.1	6.0	7.7	4.8
1983	6.5	8.6	5.0	6.6	8.8	5.1	5.9	7.5	4.8
1984	6.5	8.5	5.1	6.6	8.6	5.2	5.9	7.5	4.7
1985	6.5	8.5	5.1	6.6	8.6	5.2	5.8	7.8	4.5
1986	6.4	8.5	4.9	6.5	8.6	5.0	5.9	7.6	4.8
1987	6.2	8.1	4.9	6.3	8.3	4.9	5.9	7.6	4.8
1988	6.2	8.3	4.8	6.3	8.5	4.8	5.8	7.8	4.5
1989	6.4	8.4	4.9	6.5	8.5	5.0	6.0	8.3	4.5
1990	6.4	8.4	4.9	6.5	8.6	5.0	6.1	8.1	4.8
1991	6.4	8.3	5.0	6.5	8.4	5.1	6.1	8.0	4.7
1992	6.4	8.4	4.9	6.5	8.6	5.0	5.8	7.6	4.6
1993	6.3	8.4	4.8	6.4	8.5	4.9	6.0	8.0	4.7
<u>AGE-ADJUSTED RATES, 1989-93</u>									
AGE AT DEATH:									
All ages	6.4	8.4	4.9	6.5	8.5	5.0	6.0	8.0	4.7
Under 65	2.9	3.5	2.3	2.9	3.5	2.3	3.1	3.8	2.5
65 and over	38.1	53.2	28.4	39.0	54.5	29.1	32.5	45.8	24.5
All ages (world std.) ^φ	5.0	6.5	3.9	5.1	6.5	3.9	4.8	6.3	3.8
<u>AGE-SPECIFIC RATES, 1989-93</u>									
AGE AT DEATH:									
0-4	1.0	1.1	1.0	1.1	1.1	1.0	0.8	0.8	0.8
5-9	1.2	1.3	1.0	1.2	1.4	1.0	0.9	1.1	0.7
10-14	1.1	1.4	0.8	1.2	1.5	0.9	1.0	1.3	0.7
15-19	1.4	1.7	1.1	1.4	1.7	1.1	1.4	1.6	1.1
20-24	1.3	1.6	1.1	1.3	1.6	1.1	1.4	1.6	1.2
25-29	1.4	1.7	1.1	1.4	1.6	1.1	1.6	1.9	1.4
30-34	1.6	1.9	1.4	1.6	1.9	1.4	1.8	2.3	1.3
35-39	1.9	2.1	1.8	1.9	2.0	1.8	2.3	2.6	2.0
40-44	2.6	3.0	2.2	2.5	2.9	2.2	3.2	3.9	2.5
45-49	3.8	4.3	3.3	3.8	4.3	3.4	4.4	5.2	3.7
50-54	5.8	6.8	4.8	5.8	6.7	4.8	6.8	8.6	5.4
55-59	9.1	11.3	7.2	9.1	11.2	7.2	10.3	13.8	7.6
60-64	14.5	18.7	10.8	14.7	19.0	10.8	15.0	18.7	12.2
65-69	21.9	29.9	15.4	22.3	30.4	15.6	20.9	28.7	15.1
70-74	32.9	45.0	23.8	33.6	45.9	24.2	28.8	39.9	21.4
75-79	45.3	64.1	32.9	46.5	65.5	34.0	36.5	54.9	25.6
80-84	60.3	86.3	46.3	61.6	88.3	47.3	51.7	74.3	40.1
85+	80.2	113.7	67.3	82.3	117.9	68.8	61.1	80.5	53.1

^δ NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.

^φ NCHS public use tape. Rates are per 100,000 and are age-adjusted to the world standard population.

Table XIII-8
ALL LEUKEMIAS

SURVIVAL RATES, BY RACE, SEX, DIAGNOSIS YEAR AND AGE

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>5-YR RELATIVE SURVIVAL RATES</u>									
YEAR OF DIAGNOSIS:									
1960-63 ^a	-	-	-	14	-	-	-	-	-
1970-73 ^a	-	-	-	22	-	-	-	-	-
1974-76 ^b	34.3	33.2	35.6	35.0	33.7	36.6	31.4	32.6	30.0
1977-79 ^b	36.9	36.2	37.8	37.8	37.0	38.8	30.2	29.7	30.9
1980-82 ^b	38.1	37.8	38.4	39.0	39.0	39.0	32.8	29.7	36.4
1983-85 ^b	40.1	39.5	40.8	41.3	41.0	41.8	32.9	32.3	33.6
1986-92 ^b	41.5 Ω	42.6 Ω	40.0 Ω	42.6 Ω	44.0 Ω	40.6 Ω	34.0	32.3	36.0
<u>5-YR RELATIVE SURVIVAL RATES, 1986-92^b</u>									
AGE AT DIAGNOSIS:									
<45	52.7	52.3	53.2	54.0	54.3	53.6	43.9	42.2	45.7
45-54	43.8	46.2	39.6	45.7	48.2	41.4	35.1 \uparrow	35.2 \uparrow	35.9 \uparrow
55-64	43.0	44.7	40.1	45.1	47.2	41.4	33.9	30.5 \uparrow	39.6 \uparrow
65-74	39.1	39.7	38.2	40.5	41.1	39.6	26.4	25.7 \uparrow	27.6 \uparrow
75+	28.3	27.8	28.8	29.1	28.7	29.5	20.4	15.3 \uparrow	23.5 \uparrow
Under 65	47.9	48.5	47.0	49.5	50.6	47.7	39.5	37.0	42.7
65 and over	34.1	34.8	33.3	35.2	36.1	34.3	23.9	22.3	25.5

^a Rates are based on End Results data from a series of hospital registries and one population-based registry.

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

- Statistic could not be calculated.

Table XIII-9
LYMPHOCYTIC LEUKEMIAS

SURVIVAL RATES, BY RACE, SEX, DIAGNOSIS YEAR AND AGE

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
ACUTE LYMPHOCYTIC LEUKEMIA									
5-YR RELATIVE SURVIVAL RATES									
YEAR OF DIAGNOSIS:									
1974-76 ^b	38.1	34.5	43.3	38.6	34.3	44.6	27.7 [†]	-	-
1977-79 ^b	50.5	47.1	50.4	51.0	46.2	50.5	40.9 [†]	-	-
1980-82 ^b	50.3	48.9	50.9	53.3	49.6	50.5	39.4 [†]	34.1 [†]	44.5 [†]
1983-85 ^b	51.7	48.6	50.6	53.0	50.4	50.6	35.2 [†]	37.8 [†]	-
1986-92 ^b	56.6 ^Ω	55.0 ^Ω	58.9 ^Ω	57.4 ^Ω	55.7 ^Ω	59.9 ^Ω	47.0 ^Ω	49.6 [†]	45.0 [†]
ACUTE LYMPHOCYTIC LEUKEMIA									
5-YR RELATIVE SURVIVAL RATES, 1986-92 ^b									
AGE AT DIAGNOSIS:									
<45	67.2	64.9	70.4	68.6	66.1	72.2	53.5 [†]	55.3 [†]	52.0 [†]
45-54	12.9	13.3	11.8 [†]	11.7	14.0 [†]	0.0	-	-	-
55-64	19.6	22.4 [†]	14.8 [†]	22.5	26.4 [†]	15.5 [†]	-	-	-
65-74	1.3	0.0	2.7	0.0	0.0	0.0	-	-	-
75+	3.0	0.0	6.2	3.3	0.0	6.7 [†]	-	-	-
Under 65	61.8	59.6	64.9	62.9	60.7	66.1	51.2	53.0 [†]	49.8 [†]
65 and over	2.1	0.0	4.3	1.6	0.0	3.4	-	-	-
CHRONIC LYMPHOCYTIC LEUKEMIA									
5-YR RELATIVE SURVIVAL RATES									
YEAR OF DIAGNOSIS:									
1974-76 ^b	68.1	65.7	71.3	68.5	65.8	72.0	63.1 [†]	64.3 [†]	61.5 [†]
1977-79 ^b	69.6	68.0	71.5	70.8	68.9	73.2	51.0 [†]	54.9 [†]	46.1 [†]
1980-82 ^b	67.5	67.0	68.3	68.4	68.5	68.2	57.5 [†]	50.6 [†]	60.3 [†]
1983-85 ^b	72.7	71.1	74.8	73.1	71.3	75.5	60.8 [†]	60.3 [†]	64.1 [†]
1986-92 ^b	70.6 ^Ω	70.5 ^Ω	70.6	71.6 ^Ω	71.6 ^Ω	71.5	58.2	54.8 [†]	63.0 [†]
CHRONIC LYMPHOCYTIC LEUKEMIA									
5-YR RELATIVE SURVIVAL RATES, 1986-92 ^b									
AGE AT DIAGNOSIS:									
<45	77.3	75.9 [†]	79.7 [†]	77.0 [†]	77.6 [†]	75.1 [†]	-	-	-
45-54	78.2	76.8	81.1	80.2	79.0	82.4	59.6 [†]	55.8 [†]	-
55-64	75.3	74.2	77.7	76.8	75.9	78.8	61.4 [†]	54.7 [†]	70.7 [†]
65-74	74.4	73.5	75.8	75.6	74.8	77.0	56.4 [†]	53.7 [†]	63.4 [†]
75+	58.4	57.5	59.0	58.8	57.3	60.0	47.3 [†]	49.2 [†]	46.3 [†]
Under 65	76.2	74.9	78.7	77.6	76.7	79.5	63.3 [†]	56.3 [†]	74.9 [†]
65 and over	67.3	67.4	67.3	68.2	68.0	68.4	52.9 [†]	52.4 [†]	54.2 [†]

^b 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 ($p < .05$).

[†] 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.

- Statistic could not be calculated.

Table XIII-10
MYELOID LEUKEMIAS

SURVIVAL RATES, BY RACE, SEX, DIAGNOSIS YEAR AND AGE

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
ACUTE MYELOID LEUKEMIA									
5-YR RELATIVE SURVIVAL RATES									
YEAR OF DIAGNOSIS:									
1974-76 ^b	5.8	5.2	6.4	5.9	5.6	6.2	6.8	3.0	9.9
1977-79 ^b	7.0	7.0	6.1	7.3	6.1	6.7	16.8	18.0 [†]	15.7 [†]
1980-82 ^b	7.6	7.0	8.3	7.3	6.1	8.5	9.1	11.2	6.6
1983-85 ^b	10.6	10.1	11.3	10.6	10.5	10.7	10.1	9.8	10.3
1986-92 ^b	12.0 ^Ω	10.4 ^Ω	13.9 ^Ω	11.9 ^Ω	10.5 ^Ω	13.4 ^Ω	8.5	4.1	12.5
ACUTE MYELOID LEUKEMIA									
5-YR RELATIVE SURVIVAL RATES, 1986-92 ^b									
AGE AT DIAGNOSIS:									
<45	29.1	25.7	32.2	29.8	27.9	31.5	20.5	9.3 [†]	26.8 [†]
45-54	20.0	16.9	24.6	21.5	17.8	26.7	0.0	-	-
55-64	8.3	7.0	9.8	8.3	6.4	10.6	4.3	3.8	-
65-74	3.1	3.2	2.9	3.1	3.4	2.7	0.0	0.0	-
75+	1.9	1.3	2.2	1.6	1.1	2.0	0.0	0.0	0.0
Under 65	20.4	17.3	24.1	20.8	18.0	24.0	13.7	7.3	19.3
65 and over	2.6	2.4	2.6	2.5	2.4	2.3	0.0	0.0	0.0
CHRONIC MYELOID LEUKEMIA									
5-YR RELATIVE SURVIVAL RATES									
YEAR OF DIAGNOSIS:									
1974-76 ^b	22.1	19.1	26.1	21.7	17.8	26.8	24.9 [†]	28.2 [†]	20.2 [†]
1977-79 ^b	23.4	22.1	25.0	23.0	22.2	24.0	25.8 [†]	18.4 [†]	35.0 [†]
1980-82 ^b	30.7	27.8	33.8	32.0	30.1	34.1	27.1 [†]	18.7 [†]	38.8 [†]
1983-85 ^b	24.5	22.2	27.6	25.0	22.4	28.4	23.3	20.7	28.2 [†]
1986-92 ^b	28.7 ^Ω	29.9 ^Ω	27.4	28.6 ^Ω	30.5 ^Ω	28.5	33.7	28.5 [†]	40.8 [†]
CHRONIC MYELOID LEUKEMIA									
5-YR RELATIVE SURVIVAL RATES, 1986-92 ^b									
AGE AT DIAGNOSIS:									
<45	41.7	43.5	38.8	40.8	45.4	33.0	50.3 [†]	41.2 [†]	64.9 [†]
45-54	38.0	33.8 [†]	33.8 [†]	35.8	33.7 [†]	33.1 [†]	41.0 [†]	-	-
55-64	26.4	23.9	29.6	28.3	25.2	31.7 [†]	23.1 [†]	-	-
65-74	24.0	23.8	24.3	23.8	24.2	25.5	9.6 [†]	-	-
75+	15.4	15.1	15.7	16.0	16.8	15.6	9.6 [†]	-	-
Under 65	38.0	36.7	35.0	35.0	37.8	33.1	42.3 [†]	35.3 [†]	53.3 [†]
65 and over	19.7	20.0	19.6	20.7	21.0	20.4	10.1	0.0	15.5 [†]

^b 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 ($p < .05$).

[†] 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.

- Statistic could not be calculated.

Table XIII-11
ALL LEUKEMIASINCIDENCE, MORTALITY, AND SURVIVAL RATES

By Year of Diagnosis/Death

All Races, Males and Females

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	10.6	10.8	10.6	11.2	10.5	10.6	10.3	10.7	10.3	10.8	10.8	10.8	11.1	10.6	10.8	10.5	10.9	10.2	10.5	10.2	9.7
Mortality																					
U.S.	6.7	6.7	6.6	6.6	6.6	6.5	6.7	6.8	6.5	6.6	6.5	6.5	6.5	6.4	6.2	6.2	6.4	6.4	6.4	6.4	6.3
SEER	6.7	6.7	6.7	6.8	6.5	6.5	6.5	6.6	6.2	6.6	6.5	6.4	6.5	6.1	6.4	6.2	6.2	6.1	6.4	6.2	6.3
Relative Survival Rates (SEER)																					
1-year	59.4	58.6	61.2	59.9	61.7	62.5	61.5	65.2	64.2	61.6	62.1	63.5	64.2	65.0	63.3	66.0	63.9	64.9	64.4	64.3	
2-year	47.9	49.6	49.9	49.3	51.6	52.6	50.2	54.6	53.8	51.3	52.7	52.7	55.2	55.1	52.7	56.2	54.7	53.7	54.1		
3-year	41.5	44.0	43.2	43.0	45.6	46.1	44.1	48.7	47.4	45.6	47.5	46.9	48.8	49.2	47.2	50.4	49.6	48.2			
4-year	36.4	38.7	37.9	38.6	41.0	42.1	38.7	43.3	41.6	42.3	43.3	41.7	45.1	45.1	43.5	46.7	44.8				
5-year	32.3	35.9	33.8	33.2	37.7	38.5	34.5	37.9	37.8	38.4	39.6	38.7	41.9	41.8	40.3	43.7					
6-year	29.0	32.1	30.5	30.5	34.6	34.9	31.8	35.9	34.5	35.7	38.0	35.8	39.4	39.5	38.2						
7-year	26.3	29.2	28.8	28.3	32.8	32.2	29.7	33.8	31.7	33.2	35.6	33.3	37.3	37.2							
8-year	24.1	27.7	26.9	25.9	31.1	30.2	27.3	31.7	29.5	31.0	34.2	30.9	35.0								
9-year	22.8	26.1	24.6	23.7	29.7	29.1	25.7	30.1	27.8	29.8	32.0	29.2									
10-year	20.9	24.6	22.8	22.3	28.7	27.7	24.6	28.1	26.5	29.1	30.1										
11-year	18.9	23.3	21.5	21.2	27.5	26.7	23.0	26.7	25.1	28.3											
12-year	17.8	22.4	20.5	20.7	26.2	25.0	22.1	26.1	24.6												
13-year	17.2	21.2	20.2	19.3	25.8	24.3	21.5	25.1													
14-year	15.8	20.5	20.1	18.4	25.0	23.8	20.8														
15-year	15.3	19.9	19.5	18.1	24.3	22.6															
16-year	15.2	19.2	18.4	17.1	23.6																
17-year	14.9	19.0	17.9	16.7																	
18-year	14.5	18.2	17.2																		
19-year	14.5	17.8																			
20-year	14.5																				

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 XIII-12
ALL LEUKEMIASINCIDENCE, MORTALITY, AND SURVIVAL RATES

By Year of Diagnosis/Death

All Races, Males

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	14.1	13.7	14.9	13.3	13.9	13.5	14.2	13.4	14.6	14.4	13.9	14.3	14.2	14.1	13.9	14.1	13.6	13.3	13.4	12.4
Mortality																					
U.S.	8.8	8.7	8.8	8.8	8.7	8.6	8.8	8.9	8.7	8.7	8.6	8.5	8.5	8.5	8.1	8.3	8.4	8.4	8.3	8.4	8.4
SEER	8.8	8.9	9.0	9.2	8.7	8.5	8.7	9.0	8.3	8.9	8.8	8.4	8.6	8.5	8.2	8.2	8.1	8.2	8.2	8.4	8.4
Relative Survival Rates (SEER)																					
1-year	60.9	59.7	61.3	59.3	61.6	61.1	62.8	64.9	63.7	62.2	62.8	64.1	65.0	64.8	64.8	67.0	63.9	66.0	65.7	65.1	
2-year	48.0	50.2	50.1	48.2	51.7	50.6	50.8	54.5	53.1	51.3	53.0	53.1	55.1	55.0	55.2	57.0	55.5	54.4	55.2		
3-year	41.8	44.1	43.1	42.2	45.9	43.1	43.9	48.1	46.7	45.5	47.3	46.5	48.1	48.5	49.3	51.2	50.1	48.4			
4-year	36.6	37.6	37.6	37.4	41.3	39.5	38.5	42.6	41.1	42.0	42.8	41.0	44.4	44.8	46.1	47.6	45.5				
5-year	31.8	35.3	33.2	31.3	37.8	35.7	35.0	37.5	37.7	38.1	39.3	37.5	41.8	41.6	42.5	45.1					
6-year	28.4	31.8	29.5	28.9	34.1	32.8	32.6	35.4	33.9	35.4	37.6	34.2	39.2	39.5	39.5						
7-year	24.6	29.4	27.5	26.7	32.8	29.3	30.1	32.7	31.3	33.3	35.7	31.6	36.8	36.7							
8-year	22.8	27.2	25.2	24.1	31.1	27.4	26.9	30.5	28.6	30.7	35.0	28.4	34.1								
9-year	22.1	26.0	22.5	21.8	28.8	26.8	25.2	29.0	26.4	29.7	33.0	25.9									
10-year	19.6	24.8	21.0	20.0	28.2	25.0	23.9	27.0	24.7	29.0	31.9										
11-year	18.1	23.4	19.5	18.6	26.7	24.0	22.5	25.6	23.1	28.1											
12-year	17.0	22.7	18.6	18.4	25.6	22.1	21.7	25.6	22.8												
13-year	16.0	21.1	18.4	17.4	25.6	21.4	21.2	24.4													
14-year	14.1	21.1	18.1	16.3	24.6	20.8	20.8														
15-year	13.9	20.3	17.4	16.3	24.1	19.7															
16-year	13.8	20.2	16.6	15.8	23.6																
17-year	13.5	20.2	16.1	15.8																	
18-year	13.5	19.1	14.7																		
19-year	13.5	19.1																			
20-year	13.5																				

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 XIII-13
ALL LEUKEMIASINCIDENCE, MORTALITY, AND SURVIVAL RATES

By Year of Diagnosis/Death

All Races, Females

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	8.1	8.3	8.3	8.5	8.5	8.1	7.9	8.1	8.2	8.0	8.1	8.5	8.6	7.8	8.3	7.8	8.5	7.6	8.3	7.7	7.6
Mortality																					
U.S.	5.2	5.2	5.1	5.1	5.1	5.0	5.2	5.2	5.0	5.1	5.0	5.1	5.1	4.9	4.9	4.8	4.9	4.9	5.0	4.9	4.8
SEER	5.3	5.1	5.1	5.0	4.9	5.1	5.0	4.9	4.8	5.1	4.9	4.9	5.0	4.4	5.1	4.8	4.9	4.6	4.9	4.6	4.8
Relative Survival Rates (SEER)																					
1-year	57.3	57.3	61.1	60.7	61.8	64.3	59.7	65.6	65.0	60.7	61.1	62.7	63.3	65.2	61.3	64.6	63.8	63.4	62.9	63.1	
2-year	47.7	48.7	49.7	50.7	51.4	55.1	49.3	54.7	54.8	51.3	52.2	52.3	55.2	55.3	49.5	55.0	53.6	52.7	52.7		
3-year	41.1	43.9	43.3	44.0	45.2	50.0	44.5	49.5	48.4	45.7	47.7	47.4	49.7	50.1	44.5	49.2	48.8	47.9			
4-year	36.2	40.2	38.3	40.1	40.6	45.6	39.1	44.1	42.2	42.7	44.0	42.6	46.1	45.7	40.3	45.5	43.8				
5-year	33.0	36.7	34.5	35.7	37.6	42.1	33.7	38.5	38.1	38.7	40.0	40.3	42.0	42.2	37.5	41.8					
6-year	29.9	32.5	31.7	32.5	35.2	37.7	30.7	36.5	35.3	36.1	38.4	37.7	39.6	39.5	36.6						
7-year	28.4	28.9	30.4	30.4	32.8	35.9	29.2	35.3	32.2	33.0	35.4	35.5	38.0	37.9							
8-year	25.7	28.3	28.9	28.1	31.1	33.8	27.7	33.3	30.7	31.5	33.1	34.0	36.1								
9-year	23.7	26.2	26.9	26.1	30.8	32.1	26.5	31.5	29.4	30.1	30.6	33.4									
10-year	22.4	24.4	25.0	25.0	29.3	31.2	25.5	29.7	28.6	29.3	27.7										
11-year	19.9	23.1	23.7	24.3	28.3	30.2	23.7	28.2	27.6	28.7											
12-year	18.8	22.0	22.6	23.4	27.0	28.6	22.7	26.6	26.9												
13-year	18.6	21.4	22.2	21.5	26.2	28.1	22.0	25.9													
14-year	17.9	19.8	22.2	20.8	25.4	27.6	20.9														
15-year	17.0	19.5	21.7	19.9	24.6	26.2															
16-year	16.9	18.1	20.4	18.5	23.7																
17-year	16.5	17.5	19.9	17.8																	
18-year	15.3	17.2	19.8																		
19-year	15.3	16.2																			
20-year	15.3																				

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.

Table XIII-14
ALL LEUKEMIAS

Percent Diagnosed With Cancer In 10, 20 and 30 Years and In Remaining Lifetime,
Given Cancer Free At Current Age By Race and Sex

Lifetime Risk (Percent) of Being Diagnosed With Cancer and
Lifetime Risk (Percent) of Dying From Cancer

SEER Areas, 1991-93

All Races

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.05	0.08	0.11	1.35	0.05	0.07	0.09	1.05
10	0.03	0.05	0.09	1.32	0.02	0.04	0.06	1.01
20	0.03	0.06	0.13	1.30	0.02	0.04	0.09	0.99
30	0.04	0.10	0.27	1.29	0.02	0.07	0.16	0.98
40	0.07	0.24	0.53	1.29	0.05	0.14	0.33	0.97
50	0.17	0.48	0.91	1.27	0.09	0.28	0.56	0.94
60	0.34	0.80	1.12	1.20	0.20	0.49	0.79	0.89

Lifetime Risk of Being Diagnosed = 1.35%
Lifetime Risk of Dying = 0.93%

Lifetime Risk of Being Diagnosed = 1.05%
Lifetime Risk of Dying = 0.74%

Whites

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.06	0.09	0.11	1.43	0.05	0.07	0.09	1.07
10	0.03	0.06	0.09	1.39	0.02	0.04	0.06	1.03
20	0.03	0.06	0.13	1.37	0.02	0.04	0.08	1.01
30	0.04	0.10	0.27	1.36	0.02	0.07	0.16	1.00
40	0.07	0.24	0.55	1.36	0.05	0.14	0.33	0.98
50	0.18	0.50	0.95	1.34	0.09	0.28	0.57	0.95
60	0.35	0.84	1.18	1.25	0.20	0.50	0.80	0.90

Lifetime Risk of Being Diagnosed = 1.43%
Lifetime Risk of Dying = 0.99%

Lifetime Risk of Being Diagnosed = 1.07%
Lifetime Risk of Dying = 0.77%

Blacks

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.04	0.05	0.07	0.80	0.04	0.05	0.07	0.84
10	0.02	0.04	0.07	0.79	0.02	0.04	0.06	0.82
20	0.02	0.05	0.10	0.78	0.02	0.04	0.09	0.81
30	0.03	0.08	0.21	0.79	0.02	0.07	0.15	0.79
40	0.05	0.18	0.40	0.81	0.06	0.14	0.32	0.80
50	0.15	0.38	0.63	0.84	0.08	0.28	0.48	0.77
60	0.28	0.58	0.76	0.82	0.21	0.44	0.64	0.76

Lifetime Risk of Being Diagnosed = 0.80%
Lifetime Risk of Dying = 0.59%

Lifetime Risk of Being Diagnosed = 0.84%
Lifetime Risk of Dying = 0.55%

Table XIII-15
ALL LEUKEMIASAVERAGE ANNUAL AGE-ADJUSTED CANCER MORTALITY^δ RATES BY STATE, 1989-93

All Races, Males and Females

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	6.4	0.02							
High Five States									
Minnesota	7.0	0.17	(01)	9.4					
Michigan	6.9	0.12	(02)	7.8					
Illinois	6.8	0.10	(03)	6.3					
Idaho	6.8	0.35	(04)	6.3					
Arkansas	6.8	0.21	(05)	6.3					
Low Five States									
Nebraska	5.8	0.25	(47)	-9.4					
South Carolina	5.8	0.18	(48)	-9.4					
Rhode Island	5.5	0.30	(49)	-14.1					
Hawaii	4.7 [⊕] *	0.29	(50)	-26.6					
Alaska	4.6 [*]	0.59	(51)	-28.1					
State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	6.5	0.16	(20)	1.6	Montana	6.3	0.36	(30)	-1.6
Alaska	4.6 [*]	0.59	(51)	-28.1	Nebraska	5.8	0.25	(47)	-9.4
Arizona	6.5	0.18	(17)	1.6	Nevada	6.5	0.32	(18)	1.6
Arkansas	6.8	0.21	(05)	6.3	New Hampshire	5.8	0.31	(46)	-9.4
California	6.3	0.06	(33)	-1.6	New Jersey	6.4	0.12	(28)	0.0
Colorado	5.9	0.19	(45)	-7.8	New Mexico	6.1	0.28	(40)	-4.7
Connecticut	6.1	0.18	(36)	-4.7	New York	6.0	0.08	(42)	-6.3
Delaware	6.4	0.42	(22)	0.0	North Carolina	6.1	0.13	(37)	-4.7
District of Columbia	6.6	0.45	(11)	3.1	North Dakota	6.6	0.40	(10)	3.1
Florida	5.9	0.08	(44)	-7.8	Ohio	6.6	0.10	(15)	3.1
Georgia	6.4	0.14	(26)	0.0	Oklahoma	6.3	0.18	(32)	-1.6
Hawaii	4.7 [⊕] *	0.29	(50)	-26.6	Oregon	6.6	0.20	(12)	3.1
Idaho	6.8	0.35	(04)	6.3	Pennsylvania	6.6	0.09	(14)	3.1
Illinois	6.8	0.10	(03)	6.3	Rhode Island	5.5	0.30	(49)	-14.1
Indiana	6.4	0.14	(24)	0.0	South Carolina	5.8	0.18	(48)	-9.4
Iowa	6.2	0.19	(34)	-3.1	South Dakota	6.3	0.38	(29)	-1.6
Kansas	6.7	0.21	(09)	4.7	Tennessee	6.5	0.15	(19)	1.6
Kentucky	6.5	0.17	(21)	1.6	Texas	6.5	0.09	(16)	1.6
Louisiana	6.8	0.17	(07)	6.3	Utah	6.0	0.28	(43)	-6.3
Maine	6.3	0.29	(31)	-1.6	Vermont	6.4	0.46	(25)	0.0
Maryland	6.0	0.15	(41)	-6.3	Virginia	6.4	0.14	(23)	0.0
Massachusetts	6.1	0.13	(39)	-4.7	Washington	6.4	0.15	(27)	0.0
Michigan	6.9	0.12	(02)	7.8	West Virginia	6.6	0.24	(13)	3.1
Minnesota	7.0	0.17	(01)	9.4	Wisconsin	6.8	0.15	(06)	6.3
Mississippi	6.2	0.20	(35)	-3.1	Wyoming	6.1	0.51	(38)	-4.7
Missouri	6.7	0.15	(08)	4.7					

^δ NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.

SE Standard error of the rate.

PD Percent difference between state rate and total U.S. rate.

* Absolute difference between state rate and total U.S. rate is 15% or more.

⊕ Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

Table XIII-16
ALL LEUKEMIASAVERAGE ANNUAL AGE-ADJUSTED CANCER MORTALITY^δ RATES BY STATE, 1989-93

All Races, Males

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	8.4	0.04							
High Five States									
Minnesota	9.4	0.29	(01)	11.9					
Louisiana	9.3	0.32	(02)	10.7					
Arkansas	9.3	0.38	(03)	10.7					
Maine	9.0	0.54	(04)	7.1					
Illinois	9.0	0.18	(05)	7.1					
Low Five States									
Rhode Island	7.6	0.54	(47)	-9.5					
Utah	7.5	0.47	(48)	-10.7					
New Hampshire	7.4	0.54	(49)	-11.9					
Hawaii	6.3 [⊛]	0.47	(50)	-25.0					
Alaska	5.1 [⊛]	0.90	(51)	-39.3					
State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	8.8	0.30	(12)	4.8	Montana	8.5	0.63	(22)	1.2
Alaska	5.1 [⊛]	0.90	(51)	-39.3	Nebraska	8.1	0.43	(38)	-3.6
Arizona	8.6	0.30	(17)	2.4	Nevada	8.9	0.57	(11)	6.0
Arkansas	9.3	0.38	(03)	10.7	New Hampshire	7.4	0.54	(49)	-11.9
California	8.2	0.11	(34)	-2.4	New Jersey	8.2	0.20	(36)	-2.4
Colorado	7.7	0.33	(43)	-8.3	New Mexico	8.0	0.47	(40)	-4.8
Connecticut	7.7	0.30	(42)	-8.3	New York	7.9	0.13	(41)	-6.0
Delaware	8.8	0.76	(14)	4.8	North Carolina	8.3	0.23	(32)	-1.2
District of Columbia	8.4	0.78	(28)	0.0	North Dakota	8.6	0.67	(21)	2.4
Florida	7.7 [⊕]	0.14	(44)	-8.3	Ohio	8.7	0.18	(15)	3.6
Georgia	8.6	0.26	(16)	2.4	Oklahoma	8.4	0.32	(27)	0.0
Hawaii	6.3 [⊛]	0.47	(50)	-25.0	Oregon	8.6	0.33	(20)	2.4
Idaho	8.9	0.59	(10)	6.0	Pennsylvania	8.5	0.16	(23)	1.2
Illinois	9.0	0.18	(05)	7.1	Rhode Island	7.6	0.54	(47)	-9.5
Indiana	8.5	0.25	(24)	1.2	South Carolina	7.6	0.32	(46)	-9.5
Iowa	8.3	0.32	(31)	-1.2	South Dakota	8.1	0.64	(39)	-3.6
Kansas	9.0	0.37	(06)	7.1	Tennessee	8.8	0.27	(13)	4.8
Kentucky	9.0	0.31	(09)	7.1	Texas	8.6	0.15	(18)	2.4
Louisiana	9.3	0.32	(02)	10.7	Utah	7.5	0.47	(48)	-10.7
Maine	9.0	0.54	(04)	7.1	Vermont	8.5	0.79	(26)	1.2
Maryland	8.1	0.28	(37)	-3.6	Virginia	8.4	0.25	(29)	0.0
Massachusetts	8.2	0.24	(35)	-2.4	Washington	8.5	0.27	(25)	1.2
Michigan	9.0	0.20	(07)	7.1	West Virginia	8.3	0.41	(30)	-1.2
Minnesota	9.4	0.29	(01)	11.9	Wisconsin	9.0	0.26	(08)	7.1
Mississippi	8.3	0.37	(33)	-1.2	Wyoming	7.7	0.86	(45)	-8.3
Missouri	8.6	0.25	(19)	2.4					

^δ NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.

SE Standard error of the rate.

PD Percent difference between state rate and total U.S. rate.

[⊛] Absolute difference between state rate and total U.S. rate is 15% or more.[⊕] Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

Table XIII-17
ALL LEUKEMIASAVERAGE ANNUAL AGE-ADJUSTED CANCER MORTALITY^δ RATES BY STATE, 1989-93

All Races, Females

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	4.9	0.03							
High Five States									
District of Columbia	5.6	0.56	(01)	14.3					
West Virginia	5.5	0.30	(02)	12.2					
Michigan	5.4	0.14	(03)	10.2					
Missouri	5.3	0.18	(04)	8.2					
Illinois	5.3	0.12	(05)	8.2					
Low Five States									
Maine	4.4	0.33	(47)	-10.2					
Nebraska	4.2	0.29	(48)	-14.3					
Rhode Island	4.1 [⊛]	0.34	(49)	-16.3					
Alaska	4.1 [⊛]	0.77	(50)	-16.3					
Hawaii	3.2 [⊛]	0.33	(51)	-34.7					
Alabama	4.8	0.19	(27)	-2.0	Montana	4.5	0.42	(45)	-8.2
Alaska	4.1 [⊛]	0.77	(50)	-16.3	Nebraska	4.2	0.29	(48)	-14.3
Arizona	4.9	0.21	(23)	0.0	Nevada	4.7	0.37	(35)	-4.1
Arkansas	4.9	0.25	(21)	0.0	New Hampshire	4.7	0.38	(36)	-4.1
California	4.8	0.08	(29)	-2.0	New Jersey	5.1	0.14	(15)	4.1
Colorado	4.6	0.22	(43)	-6.1	New Mexico	4.6	0.33	(44)	-6.1
Connecticut	5.0	0.22	(19)	2.0	New York	4.7	0.09	(34)	-4.1
Delaware	5.2	0.51	(09)	6.1	North Carolina	4.7	0.15	(38)	-4.1
District of Columbia	5.6	0.56	(01)	14.3	North Dakota	5.2	0.51	(06)	6.1
Florida	4.6	0.10	(42)	-6.1	Ohio	5.1	0.12	(13)	4.1
Georgia	4.9	0.16	(25)	0.0	Oklahoma	4.8	0.21	(30)	-2.0
Hawaii	3.2 [⊛]	0.33	(51)	-34.7	Oregon	5.1	0.24	(14)	4.1
Idaho	5.1	0.41	(11)	4.1	Pennsylvania	5.2	0.11	(07)	6.1
Illinois	5.3	0.12	(05)	8.2	Rhode Island	4.1 [⊛]	0.34	(49)	-16.3
Indiana	4.9	0.17	(24)	0.0	South Carolina	4.6	0.21	(41)	-6.1
Iowa	4.7	0.22	(33)	-4.1	South Dakota	5.1	0.48	(12)	4.1
Kansas	5.0	0.25	(20)	2.0	Tennessee	4.9	0.17	(26)	0.0
Kentucky	4.7	0.20	(39)	-4.1	Texas	5.1	0.10	(17)	4.1
Louisiana	5.1	0.20	(18)	4.1	Utah	4.8	0.33	(31)	-2.0
Maine	4.4	0.33	(47)	-10.2	Vermont	4.8	0.54	(28)	-2.0
Maryland	4.5	0.18	(46)	-8.2	Virginia	5.1	0.17	(16)	4.1
Massachusetts	4.7	0.15	(37)	-4.1	Washington	4.6	0.18	(40)	-6.1
Michigan	5.4	0.14	(03)	10.2	West Virginia	5.5	0.30	(02)	12.2
Minnesota	5.1	0.19	(10)	4.1	Wisconsin	5.2	0.18	(08)	6.1
Mississippi	4.8	0.24	(32)	-2.0	Wyoming	4.9	0.62	(22)	0.0
Missouri	5.3	0.18	(04)	8.2					

^δ NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.

SE Standard error of the rate.

PD Percent difference between state rate and total U.S. rate.

[⊛] Absolute difference between state rate and total U.S. rate is 15% or more.[⊕] Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

Table XIII-18
ALL LEUKEMIASAGE-ADJUSTED SEER INCIDENCE RATES \S , SEER MORTALITY RATES δ , AND 5-YEAR RELATIVE SURVIVAL RATES ϕ
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES\S, 1989-93</u>									
REGISTRY									
Standard 9 registries	10.3	13.3	7.9	10.5	13.8	8.0	8.9	11.3	7.1
San Francisco-Oakland	9.6	12.5	7.4	9.9	13.3	7.3	9.0	10.7	7.8
Connecticut	9.7	12.4	7.7	9.7	12.6	7.7	8.3	9.2	7.6
Metropolitan Detroit	11.5	15.2	8.7	11.9	15.9	9.0	9.5	12.3	7.5
Hawaii	7.9	9.8	6.1	9.5	12.6	6.2	-	-	-
Iowa	11.9	15.7	9.1	11.8	15.6	8.9	-	-	-
New Mexico	10.1	13.0	7.8	10.5	13.5	8.0	-	-	-
Seattle-Puget Sound	10.5	13.3	8.2	10.3	13.1	8.1	8.7	12.6	5.7
Utah	9.0	11.6	7.0	9.1	11.7	7.1	-	-	-
Metropolitan Atlanta	9.5	12.7	7.2	9.5	12.8	7.2	7.8	10.7	5.9
San Jose-Monterey	9.8	12.6	7.7	10.2	13.3	7.9	10.5	10.8	9.2
Los Angeles	10.4	13.4	8.1	10.8	13.9	8.5	8.8	11.6	6.8
<u>SEER MORTALITY RATESδ, 1989-93</u>									
REGISTRY									
Standard 9 registries	6.2	8.2	4.8	6.4	8.4	4.9	6.1	8.4	4.6
San Francisco-Oakland	5.9	8.0	4.3	6.1	8.3	4.4	6.0	8.3	4.2
Connecticut	6.1	7.7	5.0	6.1	7.7	5.0	6.2	7.3	5.2
Metropolitan Detroit	6.9	9.2	5.4	7.1	9.4	5.7	6.3	8.8	4.5
Hawaii	4.7	6.3	3.2	6.6	9.3	4.0	-	-	-
Iowa	6.2	8.3	4.7	6.2	8.3	4.7	-	-	-
New Mexico	6.1	8.0	4.6	6.2	8.0	4.7	-	-	-
Seattle-Puget Sound	6.5	8.9	4.5	6.5	9.1	4.5	6.5	7.9	5.3
Utah	6.0	7.5	4.8	6.1	7.6	4.8	-	-	-
Metropolitan Atlanta	6.4	8.6	5.1	6.5	8.8	5.1	5.9	7.5	4.9
San Jose-Monterey	5.9	7.7	4.7	6.1	7.9	4.8	8.6	14.1	5.0
Los Angeles	6.5	8.4	5.1	6.7	8.6	5.3	6.5	8.9	5.1
<u>SURVIVAL RATESϕ, 1986-92</u>									
REGISTRY									
Standard 9 registries	41.5	42.6	40.0	42.6	44.0	40.6	34.0	32.3	36.0
San Francisco-Oakland	39.2	39.0	39.3	40.2	40.5	39.6	34.8	31.2 \uparrow	39.5 \uparrow
Connecticut	40.0	42.3	36.9	40.4	43.0	37.1	34.4 \uparrow	33.7 \uparrow	35.2 \uparrow
Metropolitan Detroit	39.1	40.5	37.4	39.9	41.2	38.2	35.7	36.9	34.4
Hawaii	35.8	34.3	38.2	41.6	43.0 \uparrow	38.8 \uparrow	-	-	-
Iowa	46.9	48.5	44.5	47.2	49.0	44.5	-	-	-
New Mexico	39.9	41.5	37.7	40.6	42.4	38.0	-	-	-
Seattle-Puget Sound	45.3	45.1	45.7	46.0	45.6	46.5	34.2 \uparrow	35.5 \uparrow	-
Utah	41.5	45.1	37.3	41.5	45.0	37.3	-	-	-
Metropolitan Atlanta	40.4	41.0	39.6	43.7	45.9	41.1	30.0	23.8 \uparrow	35.8 \uparrow

Note: San Jose-Monterey and Los Angeles are new SEER areas as of 1992 and their data are only used in this table and not other tables in this section.

\S SEER Program. Incidence rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.

δ NCHS public use tape. Mortality rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.

ϕ Survival rates are relative rates expressed as percents and are based on follow-up of patients through 1993.

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

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

- Statistic could not be calculated or populations are inadequate.

SEER Incidence and U.S. Mortality Leukemias, Male By Race

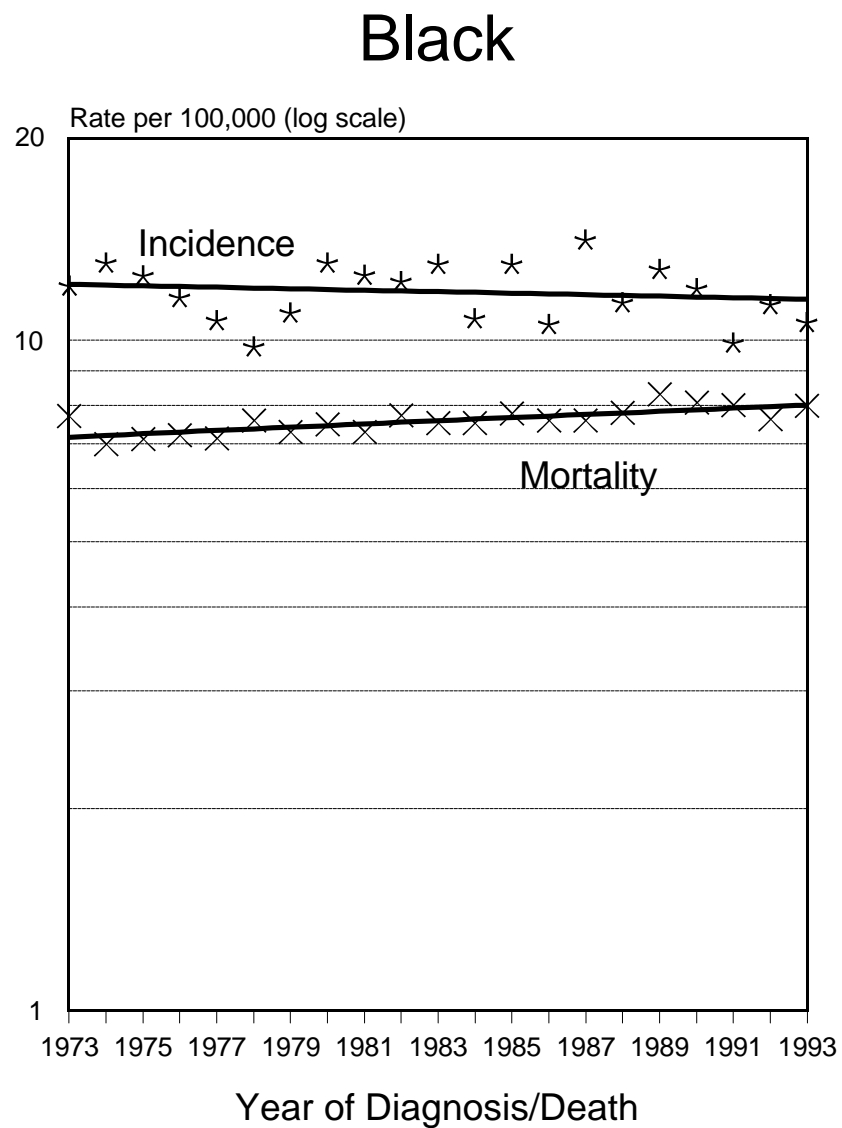
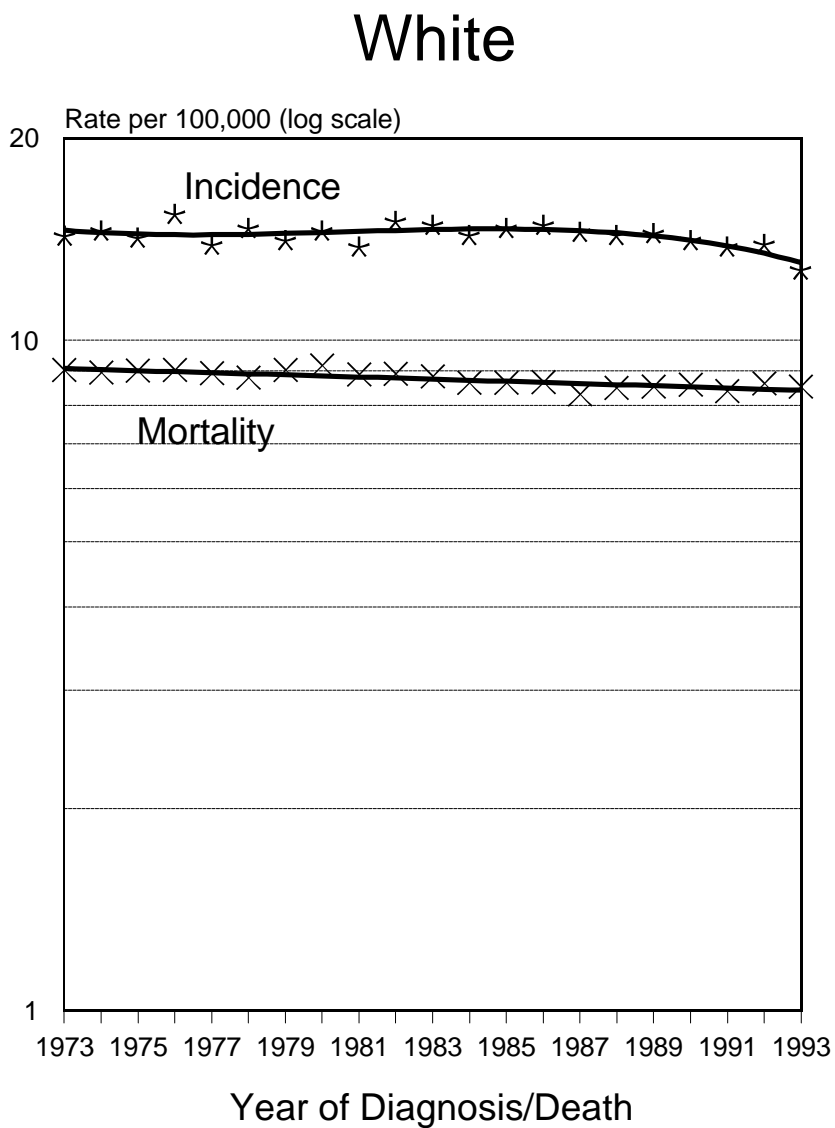


Figure XIII-1

SEER Incidence and U.S. Mortality Leukemias, Female By Race

White

Black

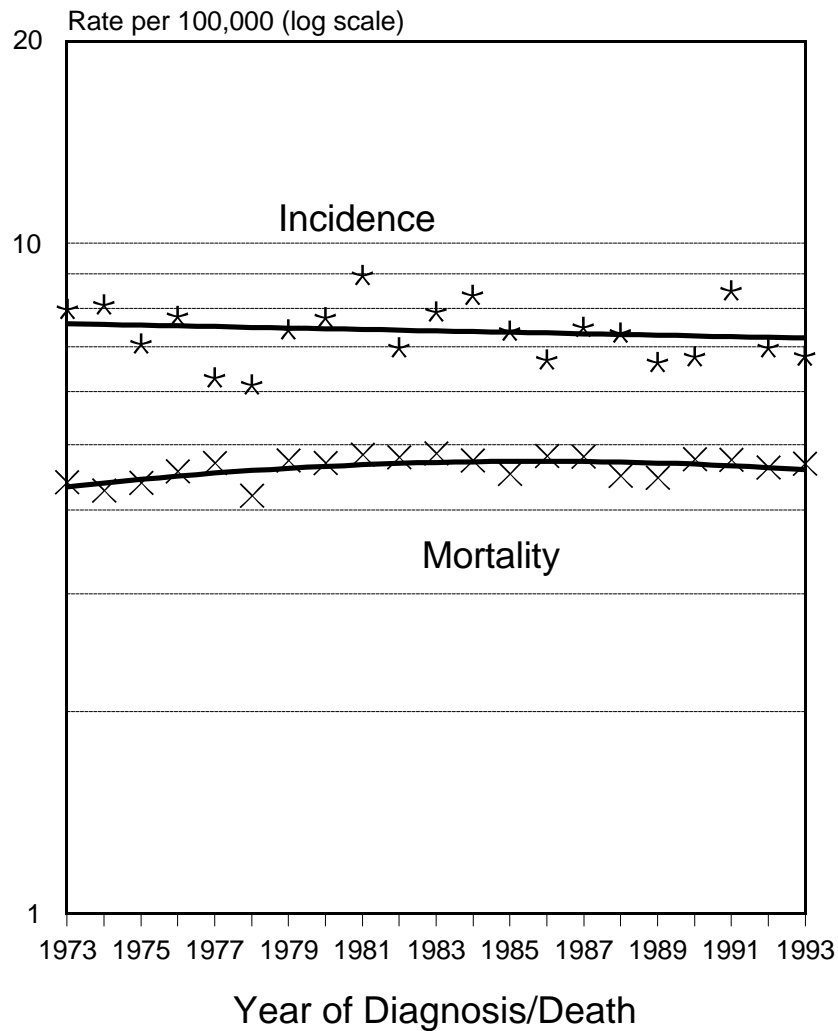
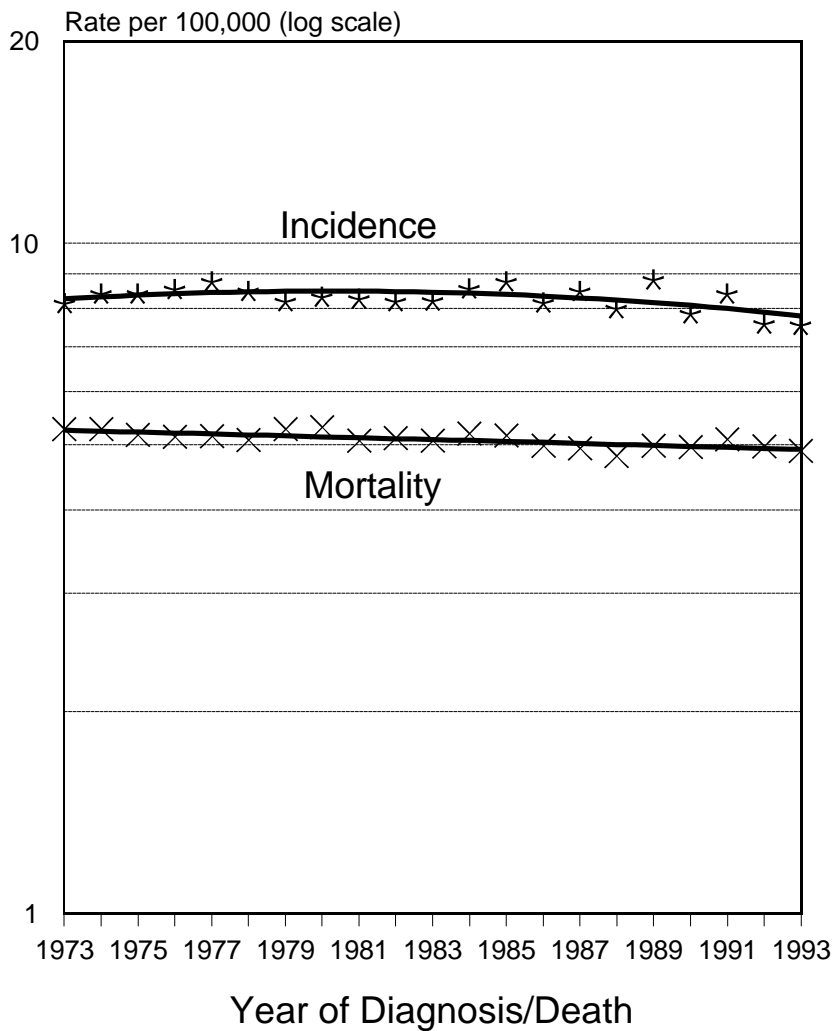


Figure XIII-2

SEER Incidence Lymphocytic Leukemias By Sex

Male

Female

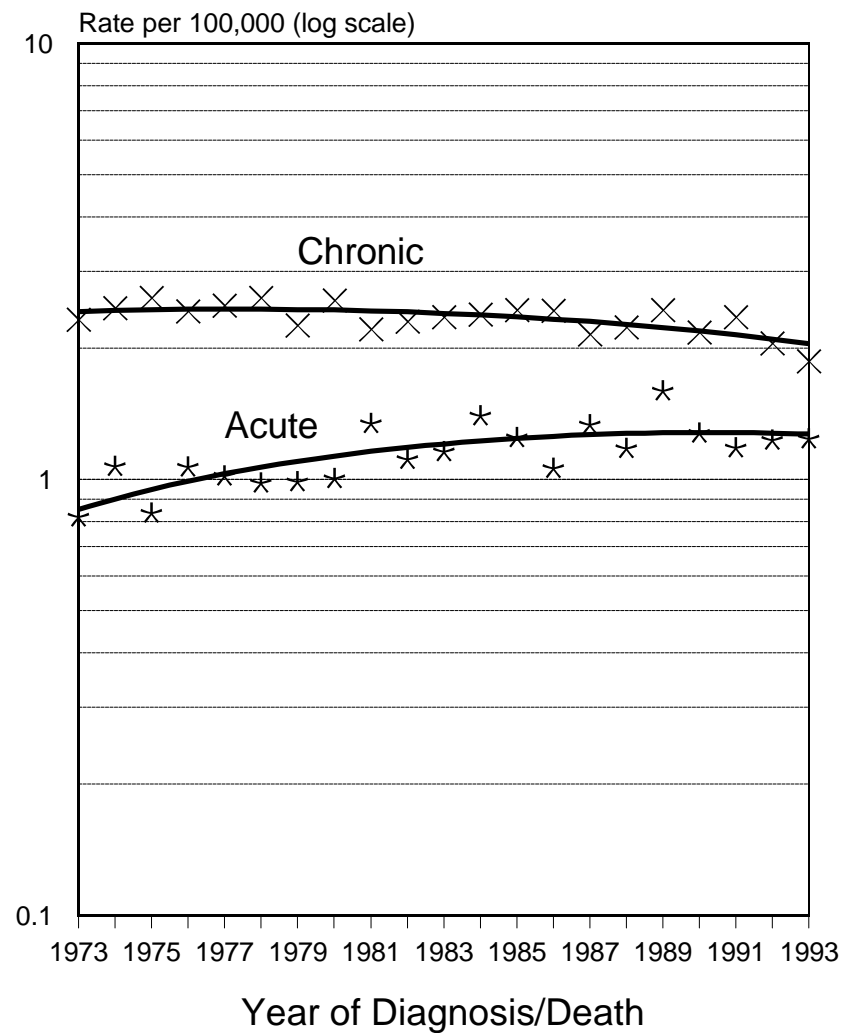
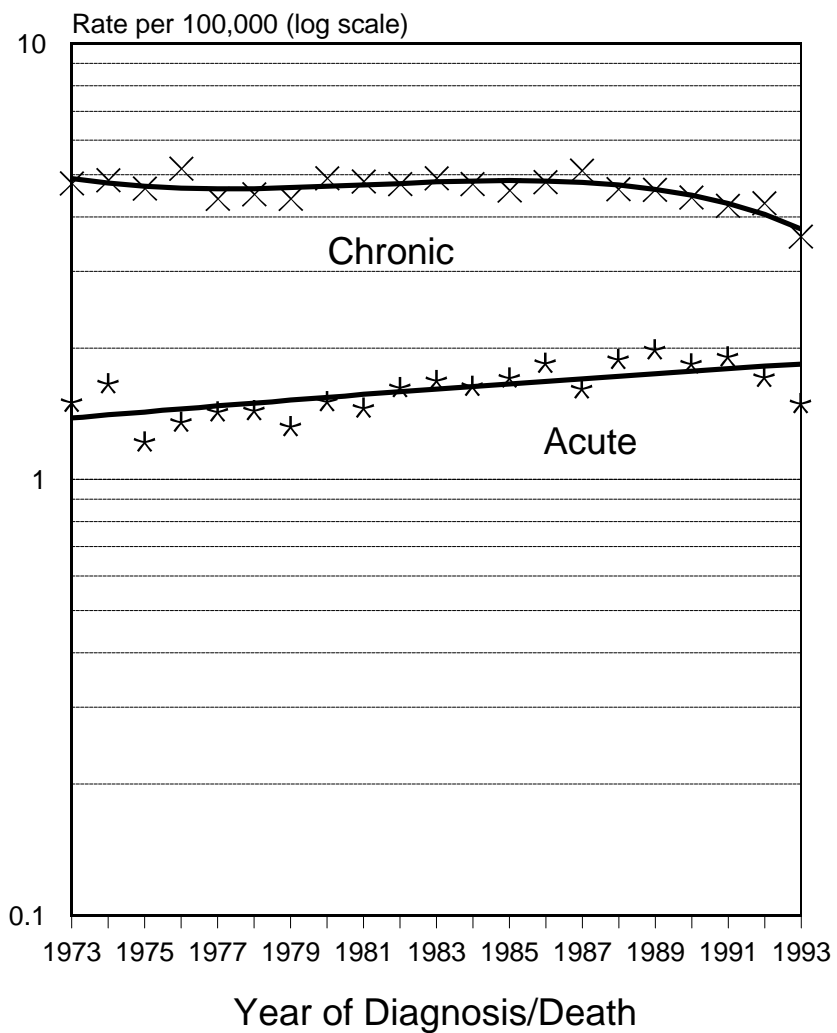


Figure XIII-3

SEER Incidence Myeloid Leukemias By Sex

Male

Female

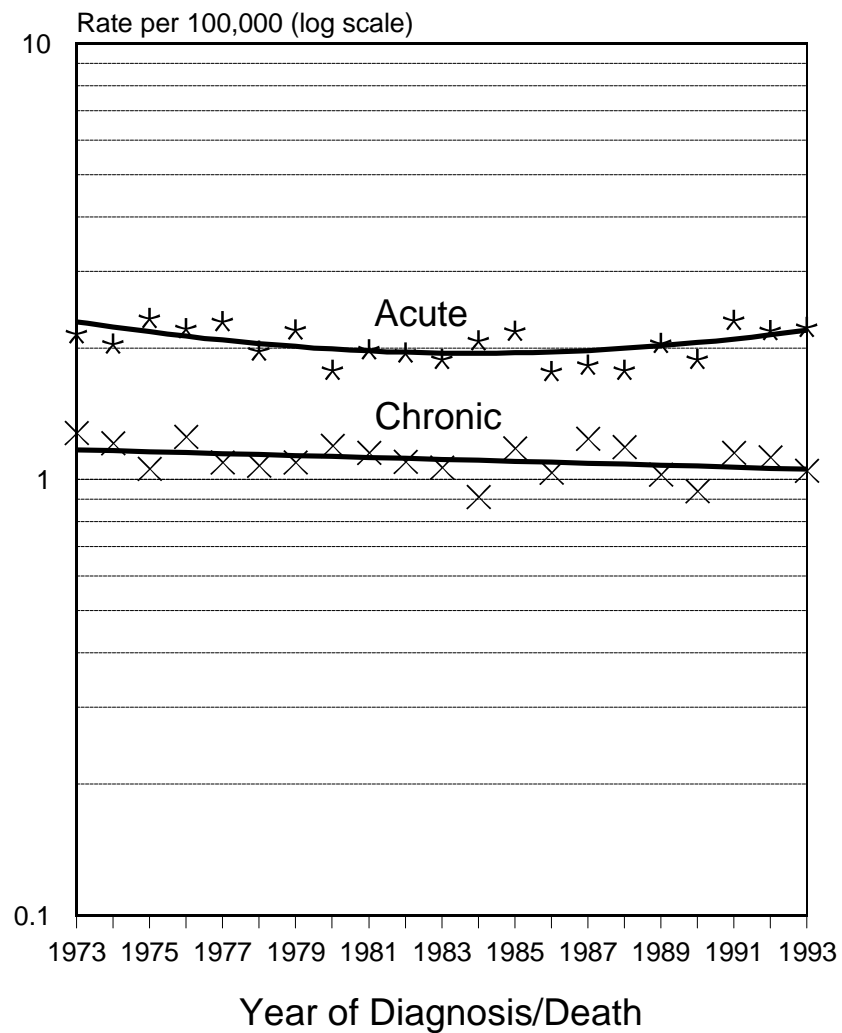
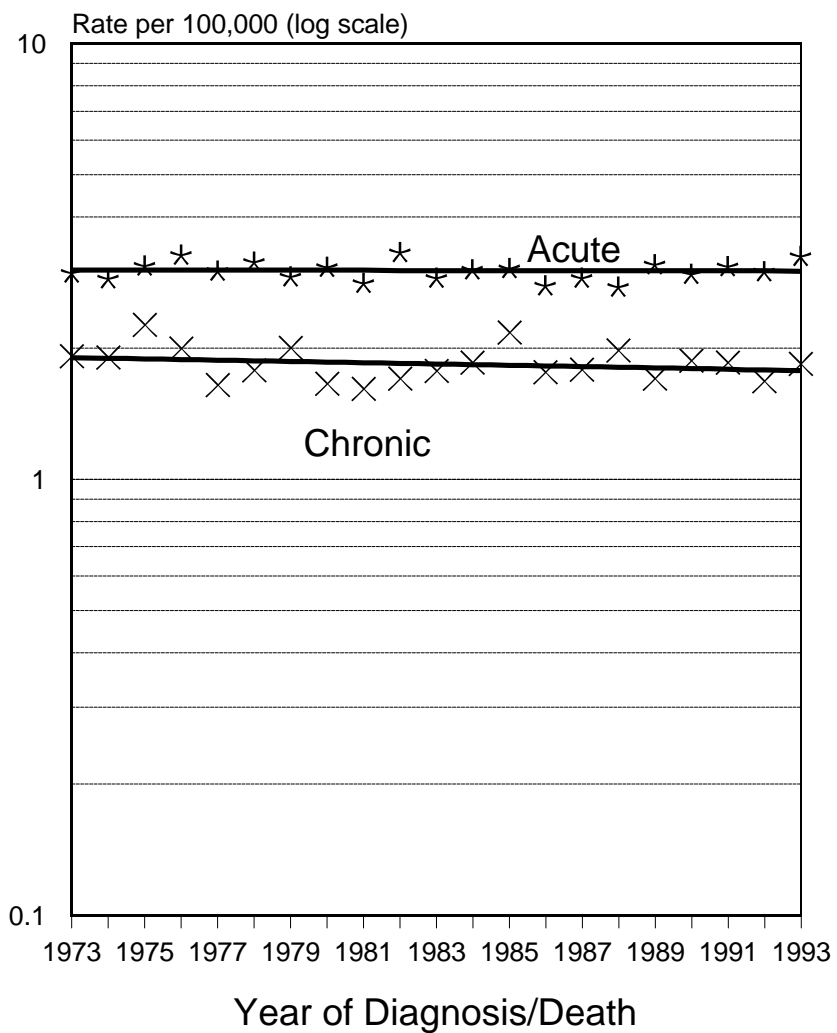


Figure XIII-4