

Table XXVIII-1

AGE-ADJUSTED AND AGE-SPECIFIC SEER CANCER INCIDENCE RATES, 1975-98§

By International Classification of Childhood Cancer (ICCC) Group and Subgroup and Age

All Races, Males and Females

<u>ICCC Group and Subgroup</u>	<u>0-14</u>	<u>0-19</u>	<u>0-4</u>	<u>5-9</u>	<u>10-14</u>	<u>15-19</u>
All Groups Combined	136.4	151.4	193.7	107.9	116.5	197.1
I Leukemia	40.6	36.2	67.6	34.8	24.0	22.6
I(a) Lymphoid leukemia	31.9	26.9	55.3	28.4	16.0	11.7
Acute lymphoblastic leukemia (ALL)	31.6	26.6	54.8	28.0	15.8	11.4
Lymphoid excluding ALL	0.4	0.4	0.5	0.4	0.2	0.3
I(b) Acute non-lymphocytic leukemia	6.0	6.4	8.3	4.3	5.8	7.6
Acute myeloid leukemia (AML)	4.3	4.7	5.2	3.4	4.2	6.0
Acute non-lymphocytic excluding AML	1.8	1.7	3.0	0.9	1.6	1.6
I(c) Chronic myeloid leukemia	0.9	1.2	1.0	0.6	1.0	2.1
I(d) Other specified leukemias	0.3	0.3	0.5	0.2	0.3	0.2
I(e) Unspecified leukemias	1.5	1.4	2.5	1.3	0.9	1.0
II Lymphomas and reticuloendothelial neo.	15.4	24.4	6.9	13.3	24.3	51.7
II(a) Hodgkin's disease	6.4	13.9	0.5	4.2	13.3	36.8
II(b) Non-Hodgkin's lymphomas	5.4	7.0	3.5	5.4	7.1	11.8
II(c) Burkitt's lymphoma	2.3	2.0	1.6	2.7	2.4	1.3
II(d) Miscellaneous lymphoreticular neo.	0.4	0.4	0.7	0.2	0.4	0.3
II(e) Unspecified lymphomas	0.9	1.0	0.6	0.8	1.1	1.5
III CNS and misc intracranial and intraspinal neo.	28.7	26.3	32.7	30.3	23.9	19.2
III(a) Ependymoma	2.6	2.2	5.2	1.5	1.4	0.9
III(b) Astrocytoma	14.3	13.7	13.4	15.3	14.0	12.1
III(c) Primitive neuroectodermal tumors	6.1	5.1	8.1	6.8	3.8	1.8
III(d) Other gliomas	4.8	4.5	4.8	5.8	4.1	3.4
III(e) Misc intracranial and intraspinal neo.	0.3	0.4	0.4	0.4	0.3	0.5
III(f) Unspecified intracranial and intraspinal neo.	0.6	0.5	0.9	0.4	0.4	0.4
IV Sympathetic nervous system tumors	10.3	8.0	29.7	3.2	1.1	1.1
IV(a) Neuroblastoma and ganglioneuroblastoma	10.0	7.7	29.1	3.0	0.8	0.7
IV(b) Other sympathetic nervous system tumors	0.3	0.3	0.6	0.1	0.3	0.3
V Retinoblastoma	3.8	2.8	11.9	0.6	0.1	0.0
VI Renal tumors	8.3	6.5	19.2	6.1	1.3	1.2
VI(a) Wilms' tumor, rhabdoid and clear cell sarc.	8.0	6.1	19.1	5.9	0.9	0.4
VI(b) Renal carcinoma	0.3	0.4	0.1	0.2	0.4	0.8
VI(c) Unspecified malignant renal tumors	0.0	0.0	0.0	0.0	0.0	0.0

§ SEER Program. Rates are per 1,000,000 and are age-adjusted to the 1970 U.S. standard.
 - Statistic could not be calculated.
 Neoplasms are abbreviated as neo. Sarcomas are abbreviated as sarc.

Table XXVIII-1(cont'd)

AGE-ADJUSTED AND AGE-SPECIFIC SEER CANCER INCIDENCE RATES, 1975-98§

By International Classification of Childhood Cancer (ICCC) Group and Subgroup and Age

All Races, Males and Females

<u>ICCC Group and Subgroup</u>	<u>0-14</u>	<u>0-19</u>	<u>0-4</u>	<u>5-9</u>	<u>10-14</u>	<u>15-19</u>
VII Hepatic tumors	1.8	1.6	4.5	0.6	0.6	0.9
VII(a) Hepatoblastoma	1.4	1.1	4.3	0.2	0.1	0.1
VII(b) Hepatic carcinoma	0.4	0.5	0.2	0.3	0.6	0.8
VII(c) Unspecified malignant hepatic tumors	0.0	0.0	0.1	0.0	0.0	0.0
VIII Malignant bone tumors	6.8	8.8	1.2	5.0	13.1	15.0
VIII(a) Osteosarcoma	3.7	4.8	0.5	2.4	7.5	8.3
VIII(b) Chondrosarcoma	0.3	0.5	0.0	0.1	0.7	1.2
VIII(c) Ewing's sarcoma	2.5	3.1	0.6	2.3	4.3	4.8
VIII(d) Other specified malignant bone tumors	0.2	0.3	0.0	0.1	0.4	0.5
VIII(e) Unspecified malignant bone tumors	0.1	0.1	0.0	0.1	0.1	0.1
IX Soft-tissue sarcomas	9.7	11.0	10.2	8.5	10.3	15.0
IX(a) Rhabdomyosarcoma and embryonal sarcoma	4.7	4.4	6.5	4.8	3.1	3.5
IX(b) Fibrosarc., neurofibrosarc. and oth fibromatous neo.	2.3	3.1	1.8	1.5	3.5	5.5
IX(c) Kaposi's sarcoma	0.0	0.1	0.0	0.0	0.0	0.2
IX(d) Other specified soft-tissue sarcomas	1.7	2.3	1.1	1.4	2.5	4.1
IX(e) Unspecified soft-tissue sarcomas	0.9	1.1	0.7	0.7	1.3	1.7
X Germ-cell, trophoblastic and other gonadal neo.	4.7	10.3	6.1	2.2	6.1	27.3
X(a) Intracranial and intraspinal germ-cell tumors	1.1	1.3	0.4	0.9	1.7	1.9
X(b) Other and unspecified non-gonadal germ-cell tumors	1.3	1.6	3.4	0.1	0.6	2.6
X(c) Gonadal germ-cell tumors	2.1	6.2	2.1	1.0	3.1	18.7
X(d) Gonadal carcinomas	0.2	1.0	0.0	0.0	0.5	3.5
X(e) Other and unspecified malignant gonadal tumors	0.1	0.2	0.1	0.1	0.1	0.6
XI Carcinomas and other malignant epithelial neo.	5.3	14.2	1.6	2.9	10.7	41.3
XI(a) Adrenocortical carcinoma	0.2	0.2	0.4	0.2	0.1	0.2
XI(b) Thyroid carcinoma	1.8	5.1	0.1	0.9	4.2	14.8
XI(c) Nasopharyngeal carcinoma	0.3	0.5	0.1	0.0	0.7	1.3
XI(d) Malignant melanoma	1.4	4.5	0.7	0.9	2.6	14.0
XI(e) Skin carcinoma	0.0	0.0	0.0	0.0	0.1	0.1
XI(f) Other and unspecified carcinomas	1.5	3.8	0.4	0.9	3.1	10.8
XII Other and unspecified malignant neo.	0.6	0.8	0.9	0.3	0.6	1.6
XII(a) Other specified malignant tumors	0.1	0.2	0.2	0.1	0.2	0.5
XII(b) Other unspecified malignant tumors	0.4	0.6	0.7	0.2	0.5	1.1
Not classified by ICCC	0.5	0.4	1.2	0.2	0.2	0.2

§ SEER Program. Rates are per 1,000,000 and are age-adjusted to the 1970 U.S. standard.
 - Statistic could not be calculated.

Neoplasms are abbreviated as neo. Sarcomas are abbreviated as sarc.

Table XXVIII-2

AGE-ADJUSTED SEER CANCER INCIDENCE RATES, 1975-80, 1981-86, 1987-92, 1993-98§

By International Classification of Childhood Cancer (ICCC) Selected Group and Subgroup and Year of Diagnosis

All Races, Males and Females, Ages 0-19

<u>ICCC Group and Subgroup</u>	<u>1975-80</u>	<u>1981-86</u>	<u>1987-92</u>	<u>1993-98</u>
All Groups Combined	140.0	149.0	157.5	159.1
I Leukemia	33.2	36.3	37.6	37.4
I(a) Lymphoid leukemia	23.7	27.2	28.4	28.2
Acute lymphoblastic leukemia (ALL)	23.2	27.0	28.1	27.8
I(b) Acute non-lymphocytic leukemia	6.1	6.2	6.4	6.9
Acute myeloid leukemia (AML)	5.1	4.3	4.3	4.9
II Lymphomas and reticuloendothelial neo.	24.1	24.9	24.8	23.9
II(a) Hodgkin's disease	14.5	14.1	14.3	12.8
II(b,c,e) Non-Hodgkin's lymphomas	9.1	10.2	10.3	10.9
III CNS and misc intracranial and intraspinal neo.	23.4	24.3	29.6	27.8
III(a) Ependymoma	1.8	1.8	2.7	2.3
III(b) Astrocytoma	12.3	12.6	15.8	14.1
III(c) Primitive neuroectodermal tumors	4.3	4.4	5.2	6.2
III(d) Other gliomas	4.0	4.4	5.1	4.6
IV Sympathetic nervous system tumors	7.7	8.1	7.6	8.5
IV(a) Neuroblastoma and ganglioneuroblastoma	7.5	7.6	7.3	8.2
V Retinoblastoma	2.6	2.7	2.9	3.1
VI Renal tumors	6.0	6.6	6.3	7.1
VI(a) Wilms' tumor, rhabdoid and clear cell sarcoma	5.6	6.3	5.9	6.6
VII Hepatic tumors	1.2	1.5	1.7	1.8
VII(a) Hepatoblastoma	0.6	1.0	1.2	1.3
VIII Malignant bone tumors	7.8	9.2	8.9	9.4
VIII(a) Osteosarcoma	3.9	5.0	5.0	5.4
VIII(c) Ewing's sarcoma	2.8	3.7	2.8	3.1
IX Soft-tissue sarcomas	10.4	10.9	11.2	11.4
IX(a) Rhabdomyosarcoma and embryonal sarcoma	4.2	4.0	4.7	4.7
X Germ-cell, trophoblastic and other gonadal neo.	8.6	9.8	11.3	11.7
X(a) Intracranial and intraspinal germ-cell tumors	0.8	1.1	1.3	1.9
X(c) Gonadal germ-cell tumors	5.4	6.4	6.5	6.6
XI Carcinomas and other malignant epithelial neo.	13.9	13.5	14.6	15.0
XI(b) Thyroid carcinoma	4.7	5.2	5.2	5.3
XI(d) Malignant melanoma	4.4	3.8	5.3	4.8

§ SEER Program. Rates are per 1,000,000 and are age-adjusted to the 1970 U.S. standard.
 - Statistic could not be calculated.
 Neoplasms are abbreviated as neo.

Table XXVIII-3

AGE-ADJUSTED SEER CANCER INCIDENCE TRENDS, 1975-98, 1975-86, 1987-98§

By International Classification of Childhood Cancer (ICCC) Selected Group and Subgroup

All Races, Males and Females

ICCC Group and Subgroup	Ages 0-14				Ages 0-19			
	% Change 1975-98	EAPC 75-98	EAPC 75-86	EAPC 87-98	% Change 1975-98	EAPC 75-98	EAPC 75-86	EAPC 87-98
All Groups Combined	20.9	0.8★	1.3★	0.5	18.2	0.8★	1.3★	0.3♦
I Leukemia	21.2	0.8★	1.5★	0.2	15.8	0.7★	1.5★	0.2
I(a) Lymphoid leukemia	38.7	1.0★	2.0★	0.5	35.2	1.0★	2.1★	0.4◇
Acute lymphoblastic leukemia (ALL)	41.6	1.0★	2.3★	0.4◇	38.2	1.0★	2.4★	0.2♦
I(b) Acute non-lymphocytic leukemia	12.2	0.9	2.0	0.3	11.2	0.9	1.7	1.3
Acute myeloid leukemia (AML)	-16.4	0.1	-1.0	2.8	-22.5	0.0	-1.3	2.7
II Lymphomas and reticuloendothelial neo.	-6.2	-0.5	-0.7	-0.4	3.2	0.0	0.3	-0.3
II(a) Hodgkin's disease	-10.8	-0.9	-1.7	-0.9	-4.7	-0.5	-0.4	-1.0
II(b,c,e) Non-Hodgkin's lymphomas	2.9	0.2	0.2	0.2	19.1	0.9★	1.5	0.9
III CNS & misc intracranial & intraspinal neo.	24.4	1.4★	1.8	-0.9♦	18.4	1.2★	1.7	-1.1♦
III(a) Ependymoma	26.1	1.8	0.9	-1.4	24.3	1.7	0.2	-1.4
III(b) Astrocytoma	4.9	1.3★	1.4	-2.3♦	2.3	1.0★	1.4	-2.5★♦
III(c) Primitive neuroectodermal tum.	77.8	1.9★	-0.1	2.5	72.0	1.9★	0.5	2.2★
III(d) Other gliomas	38.7	0.7	3.7	-1.0	33.3	1.2	2.8	-0.4
IV Sympathetic nervous system tum.	1.1	0.4	0.7	1.4	1.3	0.4	0.9	1.3
IV(a) Neuroblastoma and ganglioneuroblastoma	1.1	0.4	0.1	1.5	0.4	0.4	0.3	1.3
V Retinoblastoma	12.8	0.9	1.4	0.3	12.8	0.9	1.4	0.1
VI Renal tum.	39.9	0.8	1.5	1.4	36.9	0.9	1.4	1.3
VI(a) Wilms' tum., rhabdoid & clear cell sarcoma	38.9	0.7	1.7	1.2	38.9	0.7	1.8	1.2
VII Hepatic tum.	124.4	2.3	4.7	4.1	186.3	2.5★	4.4	4.8
VII(a) Hepatoblastoma	276.4	3.3★	7.2	4.5★	276.4	3.1★	7.1	4.1★
VIII Malignant bone tum.	69.7	0.9	3.5★	1.0	63.8	1.0★	3.0★	1.0
VIII(a) Osteosarcoma	136.6	1.9★	4.5★	1.8	109.5	1.7★	4.3★	1.3◇
VIII(c) Ewing's sarcoma	54.5	-0.5	4.6	-0.1	58.1	0.1	4.2	1.0
IX Soft-tissue sarcomas	18.4	0.8	1.8	0.8	26.6	0.7	2.1	0.7
IX(a) Rhabdomyosarcoma and embryonal sarcoma	7.8	0.8	1.1	-1.0	19.6	0.8	1.2	-1.5
X Germ-cell, trophoblastic & other gonadal neo.	52.9	2.1★	1.3	2.3	20.5	1.7★	1.5	0.5
X(a) Intracranial and intraspinal germ-cell tum	424.2	-	-	8.7	255.6	4.6★	3.8	5.9
X(c) Gonadal germ-cell tum.	-19.6	-0.6	-0.6	-0.5	9.1	0.9★	2.0	0.4
XI Carcinomas and other malignant epithelial neo.	-14.1	0.3	-0.1	1.5	0.6	0.6	0.6	0.4
XI(b) Thyroid carcinoma	-16.1	0.0	0.8	-0.1	5.5	0.6	1.3	0.9
XI(d) Malignant melanoma	-37.7	0.7	-1.4	-1.5	-7.6	1.0	0.3	-1.3

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

§ SEER Program.

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

♦ The EAPC for 1987-98 is significantly different from the EAPC for 1975-86 (p<.05).

◇ The EAPC for 1987-98 is significantly different from the EAPC for 1975-86 (p<.10).

- Statistic could not be calculated.

Neoplasms are abbreviated as neo. Tumors are abbreviated as tum.

Table XXVIII-4

AGE-ADJUSTED SEER CANCER INCIDENCE TRENDS, 1975-98, 1975-86, 1987-98§

By International Classification of Childhood Cancer (ICCC) Selected Group and Subgroup

All Races, Males

ICCC Group and Subgroup	Ages 0-14				Ages 0-19			
	% Change 1975-98	EAPC 75-98	EAPC 75-86	EAPC 87-98	% Change 1975-98	EAPC 75-98	EAPC 75-86	EAPC 87-98
All Groups Combined	18.3	0.9★	1.5★	0.5◇	20.2	0.8★	1.7★	0.3◆
I Leukemia	14.3	0.8★	1.5	0.4	9.6	0.6★	1.4★	0.4
I(a) Lymphoid leukemia	30.6	1.1★	2.0★	0.5	30.6	1.0★	2.5★	0.3◇
Acute lymphoblastic leukemia (ALL)	34.7	1.1★	2.3★	0.4	35.1	1.0★	2.8★	0.2◆
I(b) Acute non-lymphocytic leukemia	16.2	1.3	3.0	3.1	11.2	0.8	1.0	3.6★
Acute myeloid leukemia (AML)	2.3	0.8	0.7	6.6★	-13.3	0.1	-1.9	6.1★◆
II Lymphomas and reticuloendothelial neo.	-1.2	-0.5	0.0	-0.6	6.9	-0.1	0.9	-0.3
II(a) Hodgkin's disease	-20.9	-1.6	-0.4	-3.6	-13.2	-0.9★	0.1	-2.0
II(b,c,e) Non-Hodgkin's lymphomas	11.2	0.3	0.2	1.0	29.3	0.9★	1.6	1.5
III CNS & misc intracranial & intraspinal neo.	30.5	1.6★	2.5	-0.4◇	17.8	1.4★	2.5	-0.7◆
III(a) Ependymoma	5.1	1.6	-1.5	-2.1	0.5	1.5	-1.7	-2.1
III(b) Astrocytoma	12.3	1.6★	2.0	-1.7	-0.3	1.0	2.1	-2.1◆
III(c) Primitive neuroectodermal tum.	86.3	1.8★	-0.3	1.5	76.7	1.8★	0.3	1.3
III(d) Other gliomas	75.4	1.2	7.7★	0.1◇	54.3	1.7	5.4	0.7
IV Sympathetic nervous system tum.	5.3	0.8	0.3	0.9	5.3	0.9	0.6	0.6
IV(a) Neuroblastoma and ganglioneuroblastoma	5.4	0.8	-0.5	1.0	5.5	0.8	-0.2	0.7
V Retinoblastoma	-26.5	0.7	1.1	-4.3	-26.5	0.8	1.1	-4.5
VI Renal tum.	57.6	1.3	3.3	1.6	53.7	1.2★	2.3	1.8
VI(a) Wilms' tum., rhabdoid & clear cell sarcoma	67.6	1.3	3.9	1.9	67.6	1.2	3.7	1.9
VII Hepatic tum.	122.6	3.4★	4.7	4.7	162.1	3.4★	2.9	4.5
VII(a) Hepatoblastoma	133.1	3.6★	7.0	4.8	133.1	3.6★	6.7	4.3
VIII Malignant bone tum.	78.5	1.7	5.2★	4.3	99.0	1.8★	4.3★	3.3
VIII(a) Osteosarcoma	156.6	2.5★	8.3★	4.7	210.3	2.6★	7.9★	3.7
VIII(c) Ewing's sarcoma	54.5	0.4	4.6	4.1	43.4	0.6	2.8	4.2
IX Soft-tissue sarcomas	1.2	0.6	1.1	-0.6	16.0	0.7	1.4	-0.9
IX(a) Rhabdomyosarcoma and embryonal sarcoma	7.2	1.1	2.6	-1.8	10.6	0.8	2.2	-2.9◇
X Germ-cell, trophoblastic & other gonadal neo.	33.6	2.3	-0.3	3.5	35.3	1.5★	2.3	1.2
X(a) Intracranial and intraspinal germ-cell tum	337.2	-	-	11.3★	188.6	4.9★	3.0	6.8
X(c) Gonadal germ-cell tum. (testis)	-51.4	-1.3	-2.6	-3.2	14.1	0.8	2.2	0.7
XI Carcinomas and other malignant epithelial neo.	-30.8	0.1	-1.6	0.0	8.7	0.6	1.5	0.2
XI(b) Thyroid carcinoma	-11.1	-	-	-	11.6	-0.5	2.6	2.5
XI(d) Malignant melanoma	-70.4	-0.7	-5.6	-2.6	-9.3	1.3	0.7	-0.6

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

§ SEER Program.

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

◆ The EAPC for 1987-98 is significantly different from the EAPC for 1975-86 ($p < .05$).

◇ The EAPC for 1987-98 is significantly different from the EAPC for 1975-86 ($p < .10$).

- Statistic could not be calculated.

Neoplasms are abbreviated as neo. Tumors are abbreviated as tum.

Table XXVIII-5

AGE-ADJUSTED SEER CANCER INCIDENCE TRENDS, 1975-98, 1975-86, 1987-98§

By International Classification of Childhood Cancer (ICCC) Selected Group and Subgroup

All Races, Females

ICCC Group and Subgroup	Ages 0-14				Ages 0-19			
	% Change 1975-98	EAPC 75-98	EAPC 75-86	EAPC 87-98	% Change 1975-98	EAPC 75-98	EAPC 75-86	EAPC 87-98
All Groups Combined	23.9	0.7★	1.1	0.5	16.1	0.7★	0.9	0.2
I Leukemia	30.4	0.7	1.7	-0.1	24.1	0.7★	1.6	0.0
I(a) Lymphoid leukemia	49.5	0.9★	2.1	0.5	41.2	0.9★	1.8	0.4
Acute lymphoblastic leukemia (ALL)	50.7	0.9★	2.3	0.3	42.0	0.9★	2.0	0.3
I(b) Acute non-lymphocytic leukemia	7.4	0.6	1.5	-2.4	11.0	1.0	2.9	-1.0
Acute myeloid leukemia (AML)	-35.4	-0.6	-2.0	-1.2	-32.6	0.0	-0.4	-0.8
II Lymphomas and reticuloendothelial neo.	-15.0	-0.7	-2.2	0.3	-1.9	0.0	-0.4	-0.3
II(a) Hodgkin's disease	1.7	-0.4	-3.7	2.0◇	4.5	-0.1	-1.0	0.0
II(b,c,e) Non-Hodgkin's lymphomas	-20.8	-0.3	1.2	-1.4	-4.8	0.7	1.5	-0.4
III CNS & misc intracranial & intraspinal neo.	17.4	1.0★	0.9	-1.6★	19.1	0.9★	0.5	-1.7★
III(a) Ependymoma	114.9	1.3	1.8	-0.9	115.9	1.1	0.0	-1.2
III(b) Astrocytoma	-2.3	1.0	1.1	-3.1★◇	5.2	0.9	0.6	-3.0★◇
III(c) Primitive neuroectodermal tum.	67.5	1.9★	-0.2	3.9★	65.3	2.0★	0.7	3.1
III(d) Other gliomas	6.7	-0.2	-0.4	-2.4	11.7	0.3	0.2	-1.9
IV Sympathetic nervous system tum.	-3.4	-0.1	1.0	2.1	-2.9	-0.2	1.1	2.2
IV(a) Neuroblastoma and ganglioneuroblastoma	-3.6	-0.1	0.7	2.2	-4.8	-0.2	0.7	2.2
V Retinoblastoma	44.1	1.0	1.0	4.7★	44.1	1.0	1.0	4.7★
VI Renal tum.	26.6	0.3	-0.3	1.0	23.8	0.5	0.4	0.9
VI(a) Wilms' tum., rhabdoid & clear cell sarcoma	19.4	0.1	-0.4	0.5	19.4	0.2	0.1	0.4
VII Hepatic tum.	127.2	0.8	3.3	2.7	220.8	1.4	6.1	5.2
VII(a) Hepatoblastoma	969.0	-	-	3.8	969.0	-	-	3.8
VIII Malignant bone tum.	57.0	0.1	1.9	-2.6	22.5	-0.2	1.4	-2.4
VIII(a) Osteosarcoma	111.6	1.0	-0.2	-1.8	28.9	0.2	-0.2	-2.4
VIII(c) Ewing's sarcoma	54.1	-1.4	6.6	-3.7◇	96.5	-0.9	8.0	-3.3◆
IX Soft-tissue sarcomas	42.4	1.1	2.6	2.5	40.1	0.7	2.9	2.8★
IX(a) Rhabdomyosarcoma and embryonal sarcoma	8.5	0.3	-1.1	-0.6	33.2	0.8	-0.3	0.6
X Germ-cell, trophoblastic & other gonadal neo.	71.0	1.9★	2.9	1.2	5.3	1.7★	0.4	-0.6
X(a) Intracranial and intraspinal germ-cell tum	693.3	-	-	-	693.3	-	-	-
X(c) Gonadal germ-cell tum. (ovary)	9.0	-0.1	1.9	1.7	0.6	0.9	1.7	-0.5
XI Carcinomas and other malignant epithelial neo.	-0.5	0.6	1.1	2.1	-2.6	0.6	0.2	0.5
XI(b) Thyroid carcinoma	-17.9	0.0	2.7	-0.5	4.8	1.0	1.4	0.7
XI(d) Malignant melanoma	19.0	-	-	-0.4	-5.9	0.8	0.2	-1.7

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

§ SEER Program.

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

◆ The EAPC for 1987-98 is significantly different from the EAPC for 1975-86 (p<.05).

◇ The EAPC for 1987-98 is significantly different from the EAPC for 1975-86 (p<.10).

- Statistic could not be calculated.

Neoplasms are abbreviated as neo. Tumors are abbreviated as tum.

Table XXVIII-6

5-YEAR RELATIVE SURVIVAL RATES, 1985-97^b

By International Classification of Childhood Cancer (ICCC) Selected Group and Subgroup and Sex and Age

ICCC Group & Subgroup	Ages 0-19 by Sex			Both Sexes by Age				
	Total	Male	Female	0-4	5-9	10-14	15-19	0-14
All Groups Combined	75.2	73.2	77.5	74.2	74.1	73.6	77.7	74.0
I Leukemia	69.6	67.8	72.0	76.4	76.0	59.2	47.0	73.3
I(a) Lymphoid leukemia	78.5	76.6	81.0	83.9	82.2	68.7	53.9	81.1
Acute lymphoblastic leukemia (ALL)	78.6	76.7	81.2	83.9	82.3	68.7	54.3	81.2
I(b) Acute non-lymphocytic leukemia	39.1	34.4	43.7	37.0	44.5 [†]	37.1	39.6	38.9
Acute myeloid leukemia (AML)	40.8	34.4	46.6	38.8	47.3 [†]	41.4 [†]	38.3	42.0
II Lymphomas & reticuloendothelial neo.	83.9	82.5	85.9	75.6	81.9	84.5	85.2	82.4
II(a) Hodgkin's disease	92.2	91.4	92.9	-	90.8	93.2	91.8	92.9
II(b,c,e) Non-Hodgkin's lymphomas	73.4	74.1	71.9	72.7	78.2	75.0	69.8	75.6
III CNS and misc intracranial & intraspinal neo.	67.2	68.3	65.8	59.0	67.0	73.1	75.9	65.4
III(a) Ependymoma	58.7	61.6	53.7 [†]	44.3	73.6 [†]	84.5 [†]	-	55.5
III(b) Astrocytoma	76.4	76.5	76.3	80.3	74.7	75.6	74.4	76.9
III(c) Primitive neuroectodermal tumors	57.3	60.8	51.5	41.1	70.0	63.7 [†]	78.2 [†]	55.1
III(d) Other gliomas	58.9	61.7	55.4	56.7	43.4	68.2 [†]	75.7	54.8
IV Sympathetic nervous system tumors	66.1	64.9	67.6	69.1	43.4 [†]	-	-	66.9
IV(a) Neuroblastoma and ganglioneuroblastoma	66.1	65.2	67.3	69.1	43.4 [†]	-	-	67.0
V Retinoblastoma	93.9	95.3	92.6	93.5	-	-	-	93.8
VI Renal tumors	89.9	87.9	91.8	91.1	88.7	88.0 [†]	75.6 [†]	90.5
VI(a) Wilms' tumor, rhabdoid & clear cell sarcoma	90.6	88.6	92.6	91.2	88.5	-	-	90.7
VII Hepatic tumors	54.4	55.1 [†]	53.5 [†]	60.4	-	-	-	58.5
VII(a) Hepatoblastoma	62.5	60.2 [†]	64.9 [†]	61.8 [†]	-	-	-	63.1
VIII Malignant bone tumors	65.1	60.3	72.2	-	70.9	66.2	62.9	66.9
VIII(a) Osteosarcoma	65.3	60.2	72.6	-	65.5 [†]	68.5	63.1	67.0
VIII(c) Ewing's sarcoma	58.7	51.8	68.2	-	74.4 [†]	56.6 [†]	54.8 [†]	61.5
IX Soft-tissue sarcomas	70.9	71.3	70.4	76.2	74.4	70.6	64.7	73.8
IX(a) Rhabdomyosarcoma & embryonal sarcoma	65.1	67.3	61.1	78.3	68.3	51.7 [†]	46.0 [†]	69.4
X Germ-cell, trophoblastic & other gonadal neo.	88.6	87.0	90.5	86.2	81.1 [†]	85.5	90.3	85.2
X(a) Intracranial & intraspinal germ-cell tumors	75.3	74.4	78.3 [†]	-	-	81.1 [†]	84.0 [†]	69.9 [†]
X(c) Gonadal germ-cell tumors	94.4	94.7	93.4	100.0	-	95.0	93.4	97.6
XI Carcinomas & other malignant epithelial neo.	89.0	82.6	92.4	73.7 [†]	91.9	90.5	89.1	88.7
XI(b) Thyroid carcinoma	98.5	96.7	98.8	-	-	96.2	99.1	96.8
XI(d) Malignant melanoma	91.8	89.6	93.3	-	-	88.8	92.9	88.1

^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 1998.

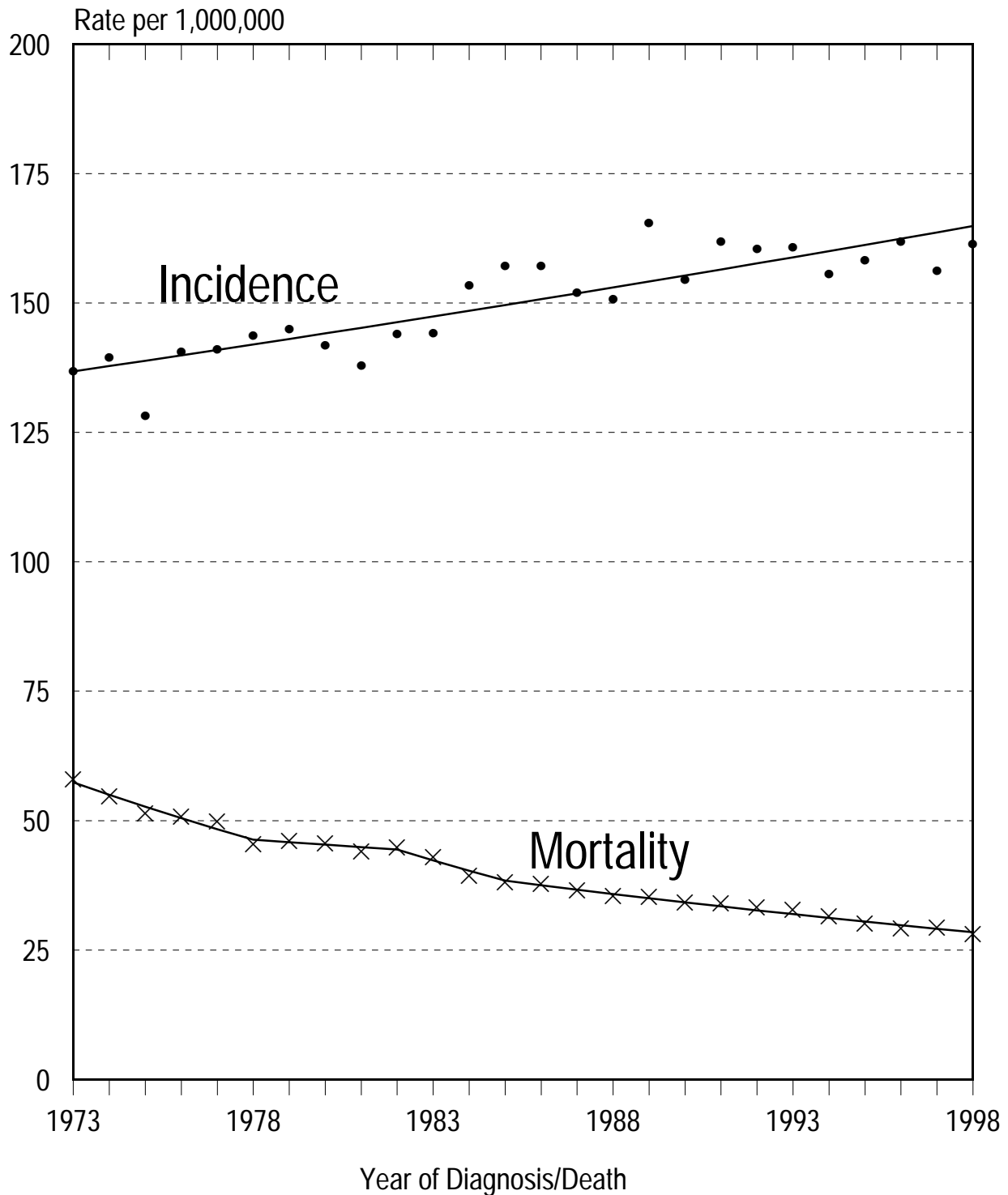
[†] The standard error of the survival rate is between 5 and 10 percentage points.

- Statistic could not be calculated.

Neoplasms are abbreviated as neo.

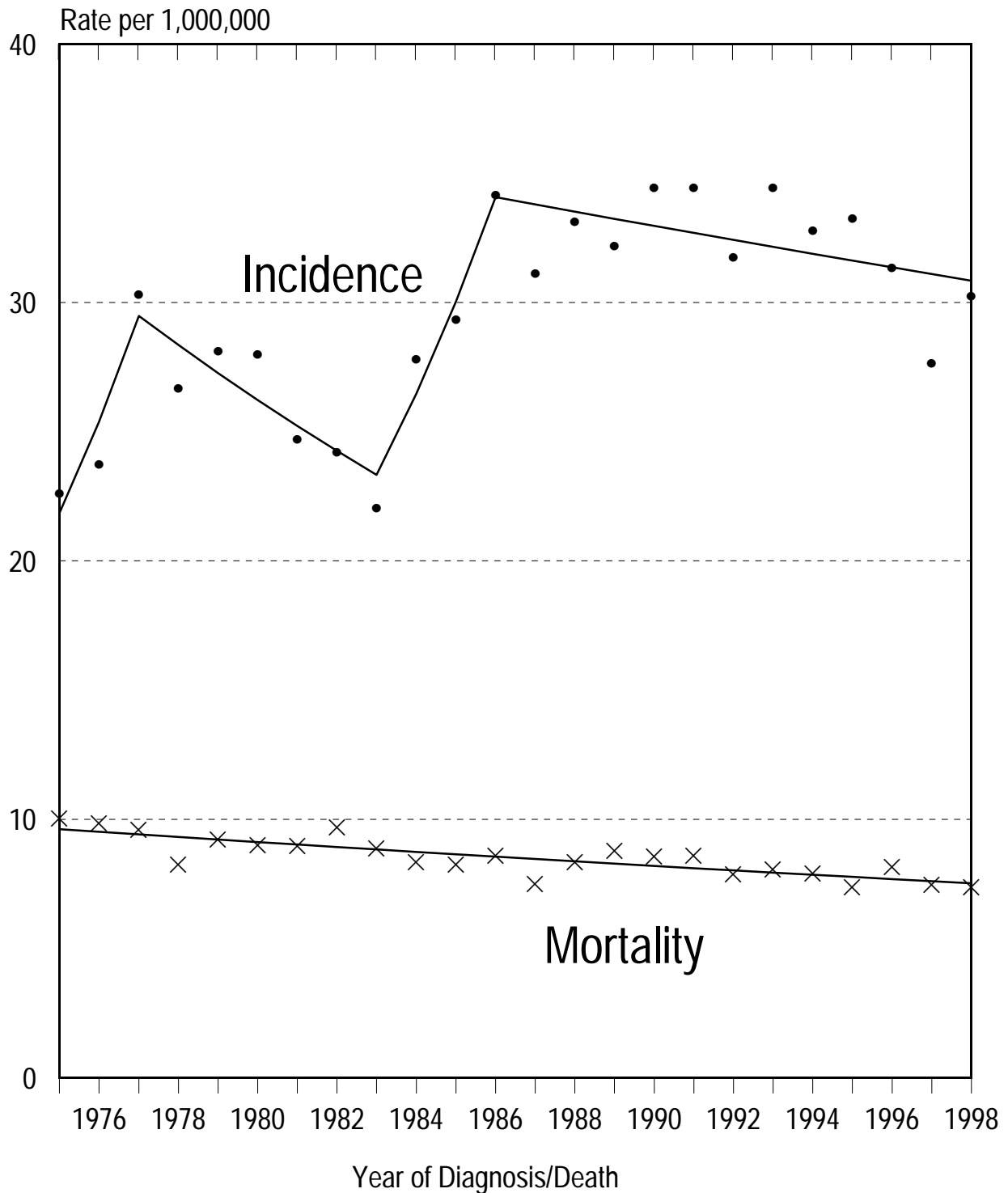
Survival rates are relative rates expressed as percents.

SEER Incidence and U.S. Mortality All Childhood Cancers, Under 20 Years of Age Both Sexes, All Races, 1973-1998



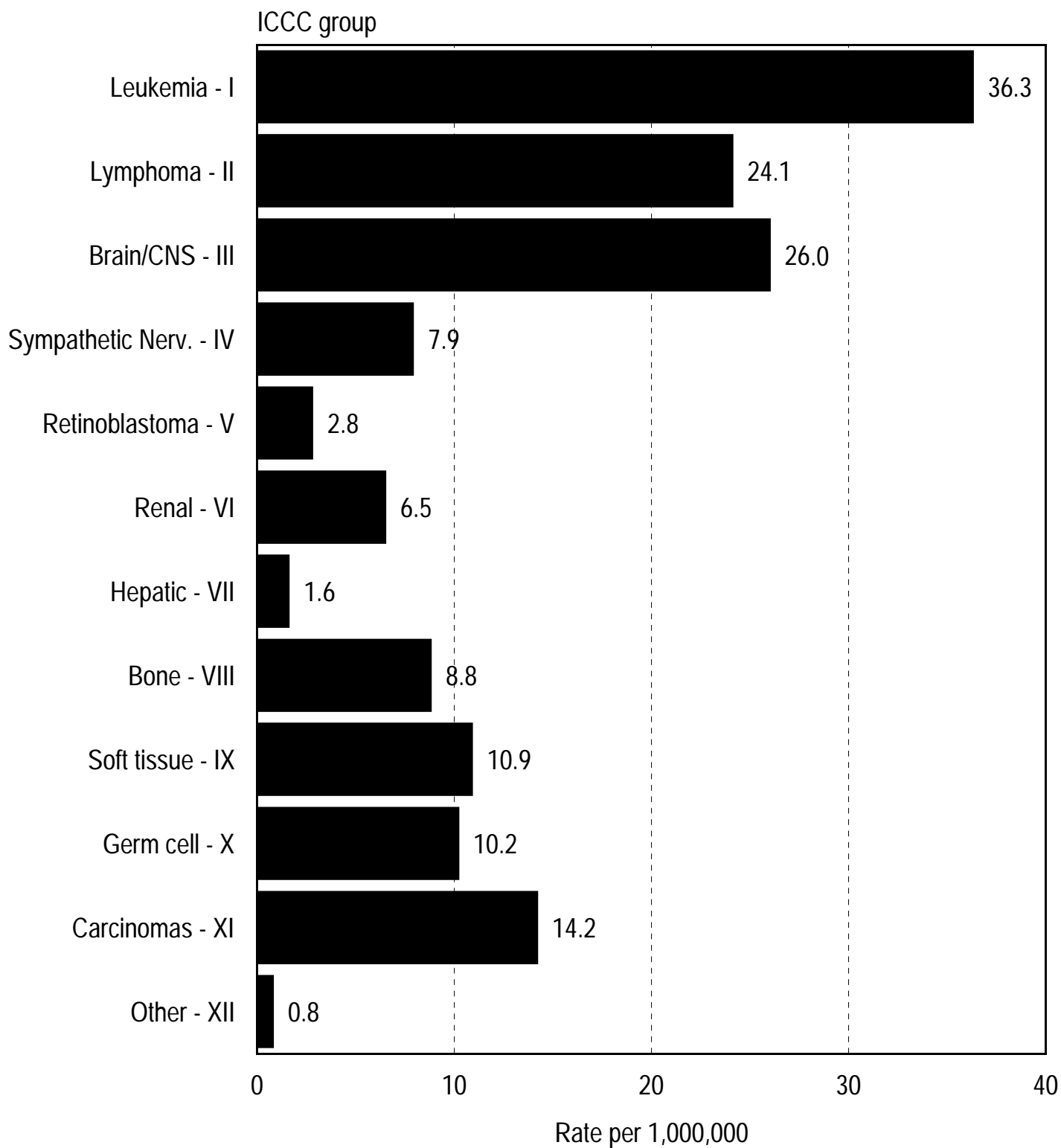
Rates are age-adjusted to the 1970 U.S. standard million population. Regression lines are calculated using the Joinpoint Regression Program.

SEER Incidence and U.S. Mortality Brain and CNS, Under 15 Years of Age Both Sexes, All Races, 1975-1998

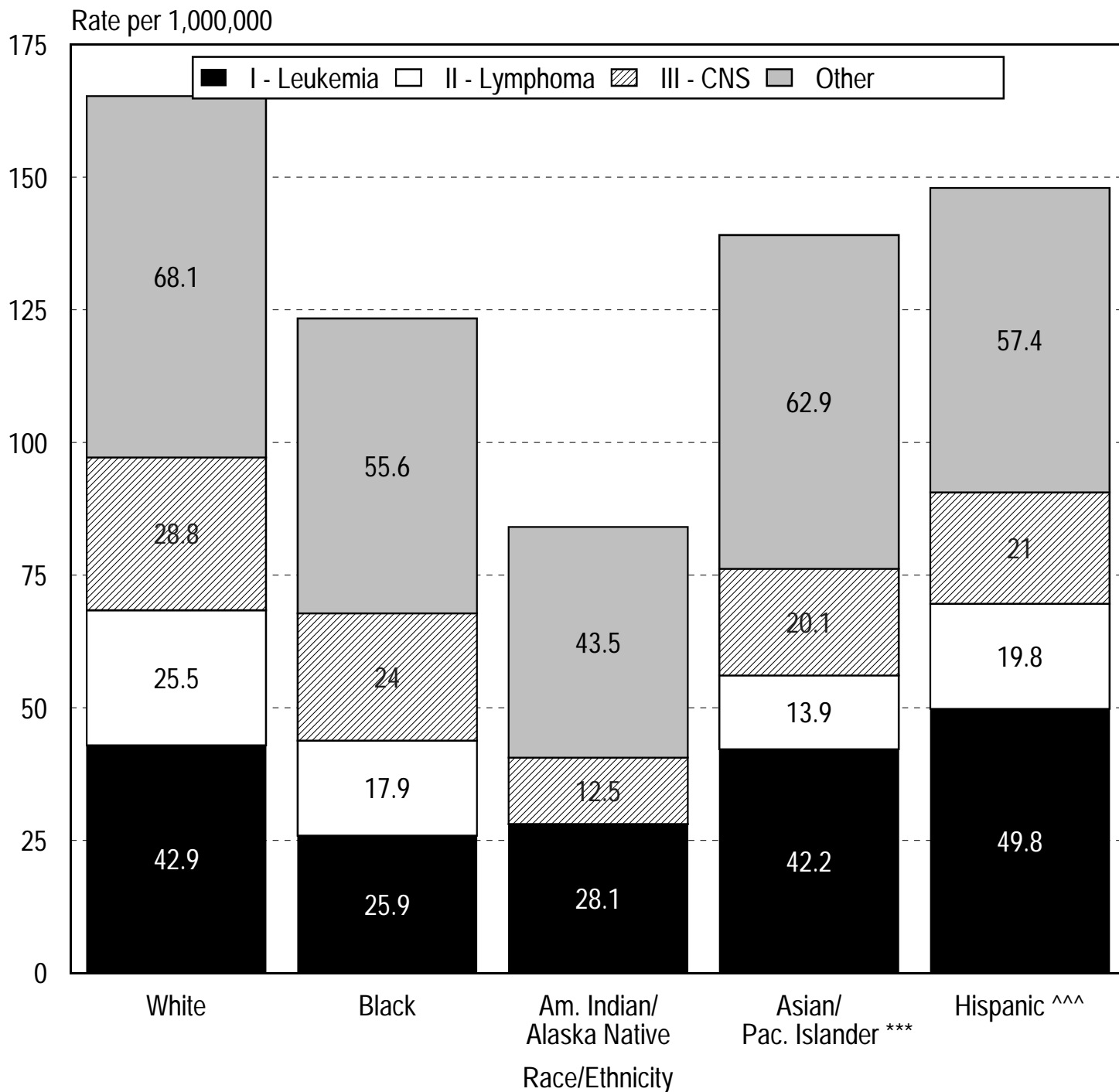


Rates are age-adjusted to the 1970 U.S. standard million population. Regression lines are calculated using the Joinpoint Regression Program.

Childhood Cancer SEER Incidence Rates 1973-1998, by ICCC Group Under 20 Years of Age, Both Sexes, All Races



Childhood Cancer SEER Incidence Rates 1990-1998 by ICCG Group and Race/Ethnicity Both Sexes, Under 20 Years of Age

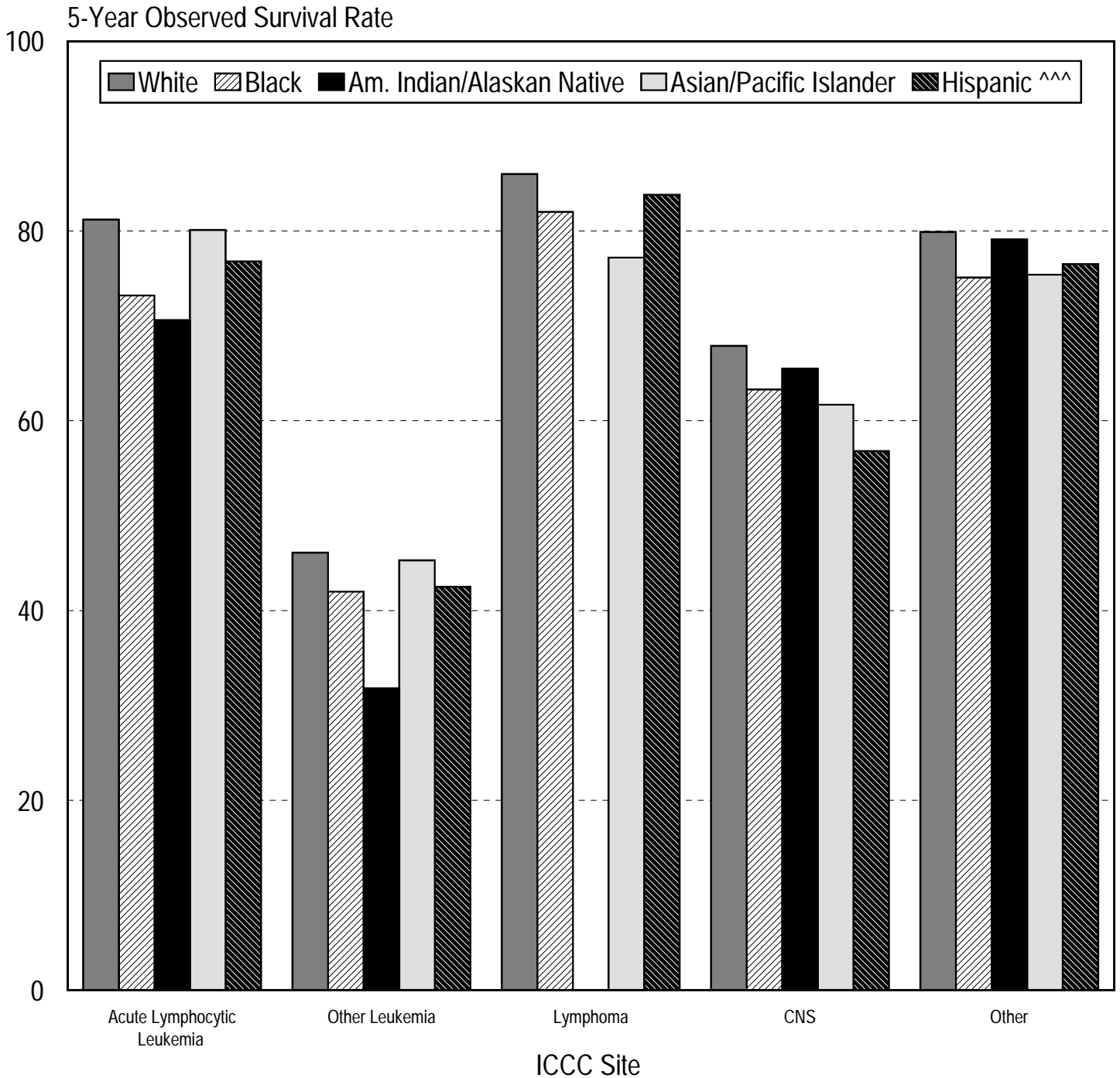


^^^ Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaskan Natives.

Data Source: SEER 11 (San Francisco, Conneticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, and Los Angeles) and Alaska.
Age-adjusted to 1970 Standard

Figure XXVIII-5

SEER Childhood Cancer 1990-1997 5-Year Observed Survival Rates by ICCC Group and Race/Ethnicity Both Sexes, Under 20 Years of Age



^^^ Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaskan Natives.

Data Source: SEER 11 (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, and Los Angeles) and Alaska. Survival rate not shown for fewer than 10 cases for the time period.