

Table XXVIII-1

## AGE-ADJUSTED AND AGE-SPECIFIC SEER CANCER INCIDENCE RATES, 1975-99§

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	138.7	153.4	193.5	107.9	117.3	197.0
I Leukemia	42.1	37.2	68.2	35.2	24.2	22.7
I(a) Lymphoid leukemia	33.2	27.8	55.8	28.8	16.2	11.8
Acute lymphoblastic leukemia (ALL)	32.8	27.5	55.3	28.4	15.9	11.5
Lymphoid excluding ALL	0.4	0.4	0.5	0.4	0.2	0.3
I(b) Acute non-lymphocytic leukemia	6.3	6.6	8.5	4.5	6.0	7.6
I(c) Chronic myeloid leukemia	0.9	1.2	1.0	0.6	1.0	2.1
I(d) Other specified leukemias	0.2	0.2	0.5	0.1	0.1	0.2
I(e) Unspecified leukemias	1.5	1.4	2.4	1.3	0.9	1.0
II Lymphomas and reticuloendothelial neo.	14.9	24.1	6.8	13.2	24.3	51.3
II(a) Hodgkin lymphoma	6.1	13.7	0.5	4.1	13.3	36.6
II(b) Non-Hodgkin lymphoma	5.3	6.9	3.4	5.4	7.1	11.7
II(c) Burkitt's lymphoma	2.3	2.1	1.6	2.7	2.5	1.4
II(d) Miscellaneous lymphoreticular neo.	0.4	0.4	0.6	0.2	0.3	0.3
II(e) Unspecified lymphomas	0.8	1.0	0.6	0.8	1.1	1.4
III CNS and misc intracranial and intraspinal neo.	29.1	26.5	33.3	30.2	23.9	18.9
III(a) Ependymoma	2.7	2.2	5.1	1.5	1.4	0.9
III(b) Astrocytoma	14.3	13.7	13.6	15.1	14.2	12.0
III(c) Primitive neuroectodermal tumors	6.5	5.4	8.9	7.2	3.6	1.9
III(d) Other gliomas	4.9	4.5	4.7	5.8	4.1	3.4
III(e) Misc intracranial and intraspinal neo.	0.1	0.1	0.1	0.1	0.1	0.2
III(f) Unspecified intracranial and intraspinal neo.	0.6	0.5	0.8	0.5	0.4	0.4
IV Sympathetic nervous system tumors	10.5	8.1	28.4	3.0	1.1	1.0
IV(a) Neuroblastoma and ganglioneuroblastoma	10.2	7.8	27.8	2.9	0.7	0.6
IV(b) Other sympathetic nervous system tumors	0.3	0.3	0.5	0.1	0.3	0.4
V Retinoblastoma	4.0	3.0	11.9	0.6	0.1	0.1
VI Renal tumors	8.6	6.8	19.1	6.0	1.3	1.2
VI(a) Wilms' tumor, rhabdoid and clear cell sarc.	8.4	6.4	19.0	5.8	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 9 areas. Rates are per 1,000,000 and are age-adjusted to the 2000 U.S. standard by 5-year age groups.  
 - 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, 1975-99§

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	1.9	1.7	4.6	0.6	0.6	1.0
VII(a) Hepatoblastoma	1.5	1.1	4.3	0.3	0.1	0.1
VII(b) Hepatic carcinoma	0.3	0.5	0.2	0.3	0.5	0.9
VII(c) Unspecified malignant hepatic tumors	0.0	0.0	0.1	0.0	0.0	0.0
VIII Malignant bone tumors	6.5	8.6	1.3	5.0	13.1	14.8
VIII(a) Osteosarcoma	3.5	4.7	0.4	2.4	7.6	8.2
VIII(b) Chondrosarcoma	0.3	0.5	0.0	0.1	0.7	1.3
VIII(c) Ewing's sarcoma	2.4	3.0	0.6	2.3	4.3	4.7
VIII(d) Other specified malignant bone tumors	0.2	0.3	0.1	0.1	0.4	0.6
VIII(e) Unspecified malignant bone tumors	0.1	0.1	0.0	0.1	0.1	0.1
IX Soft-tissue sarcomas	10.0	11.3	10.6	8.7	10.7	15.2
IX(a) Rhabdomyosarcoma and embryonal sarcoma	4.8	4.5	6.5	4.9	3.0	3.5
IX(b) Fibrosarc., neurofibrosarc. and oth fibromatous neo.	2.2	3.1	1.9	1.4	3.4	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	2.1	2.6	1.5	1.7	2.9	4.3
IX(e) Unspecified soft-tissue sarcomas	0.9	1.1	0.7	0.7	1.4	1.7
X Germ-cell, trophoblastic and other gonadal neo.	4.7	10.5	6.0	2.1	6.2	27.5
X(a) Intracranial and intraspinal germ-cell tumors	1.1	1.3	0.4	0.9	1.8	2.0
X(b) Other and unspecified non-gonadal germ-cell tumors	1.3	1.6	3.3	0.1	0.6	2.6
X(c) Gonadal germ-cell tumors	2.1	6.3	2.2	0.9	3.1	18.8
X(d) Gonadal carcinomas	0.2	1.0	0.0	0.0	0.5	3.6
X(e) Other and unspecified malignant gonadal tumors	0.1	0.2	0.1	0.1	0.2	0.6
XI Carcinomas and other malignant epithelial neo.	5.3	14.4	1.6	3.0	11.0	41.6
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	4.1	15.1
XI(c) Nasopharyngeal carcinoma	0.3	0.5	0.1	0.0	0.7	1.3
XI(d) Malignant melanoma	1.5	4.6	0.6	0.9	2.8	13.9
XI(e) Skin carcinoma	0.0	0.0	0.0	0.0	0.1	0.1
XI(f) Other and unspecified carcinomas	1.5	3.9	0.4	0.9	3.2	11.0
XII Other and unspecified malignant neo.	0.6	0.8	0.8	0.3	0.7	1.6
XII(a) Other specified malignant tumors	0.2	0.3	0.2	0.1	0.3	0.5
XII(b) Other unspecified malignant tumors	0.4	0.6	0.6	0.2	0.4	1.1
Not classified by ICCC	0.4	0.3	1.0	0.1	0.1	0.1

§ SEER 9 areas. Rates are per 1,000,000 and are age-adjusted to the 2000 U.S. standard by 5-year age groups.  
 - 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, 1993-99§

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>1993-99</u>
All Groups Combined	141.7	150.6	159.2	160.5
I Leukemia	34.0	37.1	38.5	38.9
I(a) Lymphoid leukemia	24.4	27.9	29.1	29.3
Acute lymphoblastic leukemia (ALL)	23.9	27.7	28.9	28.9
I(b) Acute non-lymphocytic leukemia	6.1	6.2	6.5	7.5
II Lymphomas and reticuloendothelial neo.	24.0	24.8	24.7	23.2
II(a) Hodgkin lymphoma	14.5	14.1	14.2	12.5
II(b,c,e) Non-Hodgkin lymphoma	9.1	10.1	10.2	10.5
III CNS and misc intracranial and intraspinal neo.	23.8	24.7	29.7	27.5
III(a) Ependymoma	1.9	1.9	2.8	2.3
III(b) Astrocytoma	12.3	12.6	15.8	14.0
III(c) Primitive neuroectodermal tumors	4.7	5.0	5.4	6.1
III(d) Other gliomas	4.0	4.4	5.1	4.6
IV Sympathetic nervous system tumors	7.7	8.3	7.8	8.5
IV(a) Neuroblastoma and ganglioneuroblastoma	7.6	7.7	7.5	8.1
V Retinoblastoma	2.8	2.9	3.1	3.3
VI Renal tumors	6.3	6.8	6.6	7.2
VI(a) Wilms' tumor, rhabdoid and clear cell sarcoma	5.9	6.6	6.2	6.7
VII Hepatic tumors	1.2	1.6	1.7	2.0
VII(a) Hepatoblastoma	0.7	1.1	1.3	1.5
VIII Malignant bone tumors	7.7	9.0	8.8	9.1
VIII(a) Osteosarcoma	3.8	4.9	4.9	5.2
VIII(c) Ewing's sarcoma	2.8	3.6	2.8	2.9
IX Soft-tissue sarcomas	10.4	11.0	11.5	12.2
IX(a) Rhabdomyosarcoma and embryonal sarcoma	4.2	4.1	4.7	4.7
X Germ-cell, trophoblastic and other gonadal neo.	8.7	9.9	11.4	11.8
X(a) Intracranial and intraspinal germ-cell tumors	0.8	1.1	1.3	1.9
X(c) Gonadal germ-cell tumors	5.5	6.4	6.6	6.7
XI Carcinomas and other malignant epithelial neo.	13.9	13.5	14.6	15.6
XI(b) Thyroid carcinoma	4.7	5.2	5.2	5.4
XI(d) Malignant melanoma	4.4	3.8	5.3	4.9

§ SEER 9 areas. Rates are per 1,000,000 and are age-adjusted to the 2000 U.S. standard by 5-year age groups.  
 - Statistic could not be calculated.  
 Neoplasms are abbreviated as neo.

Table XXVIII-3

## AGE-ADJUSTED SEER CANCER INCIDENCE TRENDS, 1975-99, 1975-86, 1987-99§

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 1975-99	EAPC 75-99	EAPC 75-86	EAPC 87-99	% Change 1975-99	EAPC 75-99	EAPC 75-86	EAPC 87-99
All Groups Combined	26.0	0.8★	1.3★	0.4◇	20.0	0.7★	1.3★	0.2◆
I Leukemia	44.5	0.8★	1.5★	0.5	34.6	0.7★	1.4★	0.5
I(a) Lymphoid leukemia	58.6	1.0★	1.9★	0.7	51.3	1.0★	2.1★	0.6
Acute lymphoblastic leukemia (ALL)	61.7	1.0★	2.2★	0.6	53.1	1.0★	2.4★	0.5◇
I(b) Acute non-lymphocytic leukemia	69.5	1.6★	2.0	2.3	45.2	1.4★	1.7	2.6★
II Lymphomas and reticuloendothelial neo.	-27.5	-0.6★	-0.9	-0.7	-21.8	-0.2	0.2	-0.8
II(a) Hodgkin lymphoma	-32.7	-1.1★	-1.8	-1.4	-27.3	-0.6★	-0.5	-1.4
II(b,c,e) Non-Hodgkin lymphoma	-21.7	0.0	0.1	-0.1	-11.1	0.7★	1.5	0.1
III CNS & misc intracranial & intraspinal neo.	46.5	1.2★	1.8	-0.7◆	33.8	1.0★	1.7	-1.0★◆
III(a) Ependymoma	68.3	1.4	1.1	-2.2	96.3	1.4	0.4	-1.7
III(b) Astrocytoma	14.1	1.2★	1.5	-2.1★◆	5.9	0.8	1.4	-2.4★◆
III(c) Primitive neuroectodermal tum.	206.8	1.5★	0.7	2.4★	201.9	1.4★	1.4	2.0★
III(d) Other gliomas	55.2	0.7	3.8	-0.4	36.0	1.1★	2.9	-0.4
IV Sympathetic nervous system tum.	-24.5	0.3	0.7	0.3	-22.3	0.3	0.9	0.3
IV(a) Neuroblastoma and ganglioneuroblastoma	-26.4	0.3	0.1	0.4	-27.6	0.2	0.2	0.3
V Retinoblastoma	8.5	0.9	1.3	0.5	13.1	1.0	1.3	0.5
VI Renal tum.	19.1	0.6	1.4	0.7	15.5	0.7	1.3	0.6
VI(a) Wilms' tum., rhabdoid & clear cell sarcoma	20.3	0.5	1.6	0.6	23.4	0.5	1.7	0.5
VII Hepatic tum.	199.1	2.5★	4.9	4.0	284.9	2.7★	4.5	4.7
VII(a) Hepatoblastoma	415.2	3.5★	7.3	4.5★	415.2	3.3★	7.3	4.2★
VIII Malignant bone tum.	46.2	0.8	3.4★	0.8	6.1	0.8	2.9★	0.3
VIII(a) Osteosarcoma	156.9	1.8★	4.5★	1.8	48.7	1.4★	4.2★	0.7◇
VIII(c) Ewing's sarcoma	6.5	-0.5	4.6	-0.2	-28.5	-0.1	4.3	-0.1
IX Soft-tissue sarcomas	37.8	1.2★	2.1	1.3	53.0	1.0★	2.3	1.1
IX(a) Rhabdomyosarcoma and embryonal sarcoma	19.6	0.7	1.5	-1.0	30.7	0.7	1.5	-1.4
X Germ-cell, trophoblastic & other gonadal neo.	34.2	1.9★	1.2	1.6	29.3	1.6★	1.5	0.4
X(a) Intracranial and intraspinal germ-cell tum	106.1	-	-	6.6	94.6	4.2★	4.1	4.6
X(c) Gonadal germ-cell tum.	1.6	-0.5	-1.0	-0.1	43.7	0.9★	1.9	0.5
XI Carcinomas and other malignant epithelial neo.	46.1	0.8	-0.1	3.1★◇	43.4	0.8★	0.6	1.1
XI(b) Thyroid carcinoma	17.3	0.0	0.5	0.4	63.5	0.8	1.2	1.4
XI(d) Malignant melanoma	83.6	1.3	-1.2	0.8	49.1	1.0	0.3	-0.8

§ The EAPC is the Estimated Annual Percent Change over the time interval.  
 SEER 9 areas.  
 ★ The EAPC is significantly different from zero (p<.05).  
 ◆ The EAPC for 1987-99 is significantly different from the EAPC for 1975-86 (p<.05).  
 ◇ The EAPC for 1987-99 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, 1975-99, 1975-86, 1987-99§

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 1975-99	EAPC 75-99	EAPC 75-86	EAPC 87-99	% Change 1975-99	EAPC 75-99	EAPC 75-86	EAPC 87-99
All Groups Combined	19.5	0.8★	1.4★	0.4◆	16.2	0.8★	1.7★	0.1◆
I Leukemia	33.5	0.9★	1.4	0.8	27.6	0.7★	1.4★	0.8
I(a) Lymphoid leukemia	50.0	1.1★	1.9★	0.8	48.2	1.1★	2.4★	0.7
Acute lymphoblastic leukemia (ALL)	51.0	1.2★	2.2★	0.7	47.8	1.1★	2.7★	0.6◇
I(b) Acute non-lymphocytic leukemia	67.1	2.0★	3.0	4.7★	40.6	1.4★	1.0	4.8★◇
II Lymphomas and reticuloendothelial neo.	-26.0	-0.6	-0.2	-0.8	-27.2	-0.3	0.8	-0.9
II(a) Hodgkin lymphoma	-36.7	-1.7★	-0.4	-3.7	-42.1	-1.1★	0.0	-2.5★
II(b,c,e) Non-Hodgkin lymphoma	-18.6	0.2	0.0	0.7	-6.9	0.7	1.6	0.7
III CNS & misc intracranial & intraspinal neo.	59.6	1.4★	2.6★	-0.4◆	44.5	1.2★	2.6★	-0.6◆
III(a) Ependymoma	102.3	1.4	-1.3	-2.4	169.3	1.5	-1.5	-1.7
III(b) Astrocytoma	5.0	1.3★	2.0	-2.0◇	5.2	0.8	2.1	-2.1◆
III(c) Primitive neuroectodermal tum.	447.5	1.6★	0.6	2.1	367.2	1.4★	1.3	1.6
III(d) Other gliomas	72.8	1.2	7.9★	0.4◇	43.1	1.6	5.5	0.8
IV Sympathetic nervous system tum.	-62.6	0.4	0.3	-0.6	-63.8	0.6	0.7	-0.8
IV(a) Neuroblastoma and ganglioneuroblastoma	-62.6	0.4	-0.5	-0.5	-63.8	0.5	-0.2	-0.8
V Retinoblastoma	-21.4	0.6	1.1	-3.4	-21.4	0.7	1.1	-3.6
VI Renal tum.	-7.5	1.0	3.2	0.5	-11.2	0.9	2.3	0.7
VI(a) Wilms' tum., rhabdoid & clear cell sarcoma	-2.0	0.9	3.7	0.7	4.1	0.9	3.6	0.8
VII Hepatic tum.	128.2	3.3★	4.7	3.9	214.3	3.4★	3.0	4.2
VII(a) Hepatoblastoma	199.6	3.7★	7.1	4.4	199.6	3.7★	6.8	4.1
VIII Malignant bone tum.	20.2	1.6	5.3★	3.4	9.5	1.6★	4.3★	2.1
VIII(a) Osteosarcoma	181.5	2.4★	8.2★	4.4	131.9	2.3★	7.8★	2.8◇
VIII(c) Ewing's sarcoma	-18.3	0.4	5.2	2.8	-52.0	0.4	3.1	2.2
IX Soft-tissue sarcomas	56.1	1.2★	1.2	0.6	64.5	1.1★	1.5	0.0
IX(a) Rhabdomyosarcoma and embryonal sarcoma	63.8	1.1	2.9	-0.8	70.8	0.9	2.4	-1.8
X Germ-cell, trophoblastic & other gonadal neo.	69.7	2.2★	-0.7	3.3	79.6	1.5★	2.2	1.3
X(a) Intracranial and intraspinal germ-cell tum	102.5	-	-	9.0★	72.7	4.5★	2.9	5.4
X(c) Gonadal germ-cell tum. (testis)	35.9	-0.6	-3.2	-0.4	98.7	0.9	2.1	1.3
XI Carcinomas and other malignant epithelial neo.	41.4	0.7	-1.5	2.5	28.9	0.7	1.5	0.7
XI(b) Thyroid carcinoma	4.9	-	-	-	35.5	-0.3	2.8	2.9
XI(d) Malignant melanoma	-1.9	-0.5	-5.3	-1.6	-28.4	0.9	0.9	-1.7

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

SEER 9 areas.

★ The EAPC is significantly different from zero (p&lt;.05).

◆ The EAPC for 1987-99 is significantly different from the EAPC for 1975-86 (p&lt;.05).

◇ The EAPC for 1987-99 is significantly different from the EAPC for 1975-86 (p&lt;.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, 1975-99, 1975-86, 1987-99§

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 1975-99	EAPC 75-99	EAPC 75-86	EAPC 87-99	% Change 1975-99	EAPC 75-99	EAPC 75-86	EAPC 87-99
All Groups Combined	34.0	0.7★	1.1	0.5	24.4	0.6★	1.0	0.2
I Leukemia	61.9	0.7★	1.7	0.2	45.4	0.7★	1.7	0.2
I(a) Lymphoid leukemia	71.2	0.9★	2.2	0.6	55.7	0.8★	1.9	0.5
Acute lymphoblastic leukemia (ALL)	78.3	0.9★	2.3	0.4	60.8	0.8★	2.1	0.4
I(b) Acute non-lymphocytic leukemia	72.4	1.1	1.4	-0.3	50.9	1.3★	2.9	0.3
II Lymphomas and reticuloendothelial neo.	-30.7	-0.9	-2.3	-0.6	-13.7	-0.1	-0.5	-0.7
II(a) Hodgkin lymphoma	-27.3	-0.6	-3.8	0.9	-8.9	-0.2	-1.0	-0.4
II(b,c,e) Non-Hodgkin lymphoma	-31.2	-0.5	1.2	-2.1	-20.2	0.4	1.5	-1.1
III CNS & misc intracranial & intraspinal neo.	34.4	0.8	0.8	-1.2	22.2	0.7	0.6	-1.7★
III(a) Ependymoma	22.1	0.5	2.0	-2.6	19.1	0.4	0.2	-2.5
III(b) Astrocytoma	22.7	1.1	1.2	-2.2★	6.5	0.8	0.7	-2.7★◇
III(c) Primitive neuroectodermal tum.	88.5	1.2	0.5	2.7	106.4	1.2	1.3	2.4
III(d) Other gliomas	38.0	-0.1	-0.3	-1.5	25.9	0.3	0.3	-1.7
IV Sympathetic nervous system tum.	9.0	0.3	1.0	2.4★	15.7	0.2	1.0	2.7★
IV(a) Neuroblastoma and ganglioneuroblastoma	5.6	0.3	0.7	2.4	5.6	0.2	0.7	2.3
V Retinoblastoma	48.9	1.1	0.8	4.1★	59.7	1.1	0.8	4.4★
VI Renal tum.	49.4	0.3	-0.4	0.7	47.2	0.4	0.3	0.5
VI(a) Wilms' tum., rhabdoid & clear cell sarcoma	43.0	0.1	-0.4	0.3	43.0	0.2	0.0	0.2
VII Hepatic tum.	406.0	1.4	3.6	3.8	490.4	1.9	6.3	5.4
VII(a) Hepatoblastoma	-	-	-	4.2	-	-	-	4.2
VIII Malignant bone tum.	83.3	0.1	1.7	-2.0	1.9	-0.4	1.2	-2.4
VIII(a) Osteosarcoma	136.4	1.0	-0.2	-1.5	-6.2	0.0	-0.2	-2.7
VIII(c) Ewing's sarcoma	42.0	-1.3	6.0	-2.7	36.1	-1.0	7.7	-3.2◆
IX Soft-tissue sarcomas	16.0	1.3★	3.1	2.2	39.4	0.9	3.2	2.6★
IX(a) Rhabdomyosarcoma and embryonal sarcoma	-29.6	0.1	-0.5	-1.9	-17.1	0.4	0.1	-0.8
X Germ-cell, trophoblastic & other gonadal neo.	2.2	1.6★	3.2	-0.1	-9.8	1.5★	0.5	-0.9
X(a) Intracranial and intraspinal germ-cell tum	115.7	-	-	-	220.6	-	-	-
X(c) Gonadal germ-cell tum. (ovary)	-26.6	-0.4	1.9	0.6	-17.6	0.8	1.7	-1.0
XI Carcinomas and other malignant epithelial neo.	49.7	1.0	0.9	3.3	52.4	0.8★	0.2	1.2
XI(b) Thyroid carcinoma	20.8	0.1	2.3	0.5	73.2	1.1★	1.3	1.1
XI(d) Malignant melanoma	197.9	-	-	2.2	128.8	1.1	0.2	0.0

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

SEER 9 areas.

★ The EAPC is significantly different from zero (p&lt;.05).

◆ The EAPC for 1987-99 is significantly different from the EAPC for 1975-86 (p&lt;.05).

◇ The EAPC for 1987-99 is significantly different from the EAPC for 1975-86 (p&lt;.10).

- Statistic could not be calculated.

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

Table XXVIII-6

5-YEAR RELATIVE SURVIVAL RATES, 1985-98<sup>b</sup>

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	75.4	73.6	77.6	74.3	74.4	74.1	77.9	74.3
I Leukemia	70.2	68.5	72.4	77.1	76.2	60.4	47.4	73.9
I(a) Lymphoid leukemia	78.8	76.9	81.4	84.5	82.0	69.8	53.9	81.6
Acute lymphoblastic leukemia (ALL)	78.9	77.0	81.6	84.5	82.1	69.7	54.1	81.6
I(b) Acute non-lymphocytic leukemia	39.9	36.1	43.5	38.1	45.7	37.6	40.0	39.8
II Lymphomas & reticuloendothelial neo.	84.3	82.9	86.4	75.7	82.7	85.1	85.5	83.0
II(a) Hodgkin lymphoma	92.4	91.8	93.0	-	91.1	93.5	92.0	93.3
II(b,c,e) Non-Hodgkin lymphoma	74.2	74.6	73.2	73.7	79.2	75.8	70.3	76.6
III CNS and misc intracranial & intraspinal neo.	67.7	68.8	66.4	60.0	67.5	73.7	75.7	66.1
III(a) Ependymoma	60.6	63.4	55.5 <sup>†</sup>	47.4	72.8 <sup>†</sup>	82.9 <sup>†</sup>	-	57.4
III(b) Astrocytoma	77.1	77.1	77.2	81.0	75.5	76.6	75.2	77.7
III(c) Primitive neuroectodermal tumors	57.8	61.3	52.2	42.6	70.6	64.0 <sup>†</sup>	78.4 <sup>†</sup>	55.8
III(d) Other gliomas	57.8	60.9	54.1	55.1	43.3	68.4	73.4	53.9
IV Sympathetic nervous system tumors	65.5	64.9	66.3	68.4	44.4 <sup>†</sup>	-	40.5 <sup>†</sup>	66.2
IV(a) Neuroblastoma and ganglioneuroblastoma	65.4	65.1	65.8	68.3	44.3 <sup>†</sup>	-	-	66.2
V Retinoblastoma	94.1	95.0	93.3	93.7	-	-	-	94.1
VI Renal tumors	89.4	88.0	90.7	90.6	88.8	82.1 <sup>†</sup>	76.9 <sup>†</sup>	89.9
VI(a) Wilms' tumor, rhabdoid & clear cell sarcoma	89.9	88.6	91.2	90.5	88.5	-	-	90.0
VII Hepatic tumors	51.3	49.9 <sup>†</sup>	53.0 <sup>†</sup>	59.2	-	-	-	56.5
VII(a) Hepatoblastoma	61.9	58.2 <sup>†</sup>	66.3 <sup>†</sup>	60.9	-	-	-	62.5
VIII Malignant bone tumors	65.0	61.8	69.7	-	71.8	66.3	62.0	67.3
VIII(a) Osteosarcoma	64.1	60.4	69.4	-	65.4 <sup>†</sup>	68.3	60.5	67.0
VIII(c) Ewing's sarcoma	60.2	55.5	66.7	-	76.0 <sup>†</sup>	57.7 <sup>†</sup>	56.1	63.1
IX Soft-tissue sarcomas	70.9	70.9	71.0	74.4	73.0	71.7	66.1	73.1
IX(a) Rhabdomyosarcoma & embryonal sarcoma	64.2	66.3	60.7	77.3	68.1	49.7 <sup>†</sup>	46.1 <sup>†</sup>	68.3
X Germ-cell, trophoblastic & other gonadal neo.	89.0	87.2	91.0	86.3	83.2 <sup>†</sup>	85.9	90.6	85.7
X(a) Intracranial & intraspinal germ-cell tumors	76.7	75.7	79.9 <sup>†</sup>	-	73.6 <sup>†</sup>	80.3 <sup>†</sup>	85.3 <sup>†</sup>	71.4 <sup>†</sup>
X(c) Gonadal germ-cell tumors	94.5	94.6	94.0	100.0	-	95.4	93.5	97.8
XI Carcinomas & other malignant epithelial neo.	89.4	83.3	92.5	74.0 <sup>†</sup>	91.3	91.1	89.4	89.2
XI(b) Thyroid carcinoma	98.9	97.0	99.3	-	-	97.7	99.2	98.0
XI(d) Malignant melanoma	91.7	89.3	93.3	-	-	87.5	92.9	87.4

<sup>b</sup> Rates are from the SEER 9 areas. 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 into 1999.

<sup>†</sup> 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.

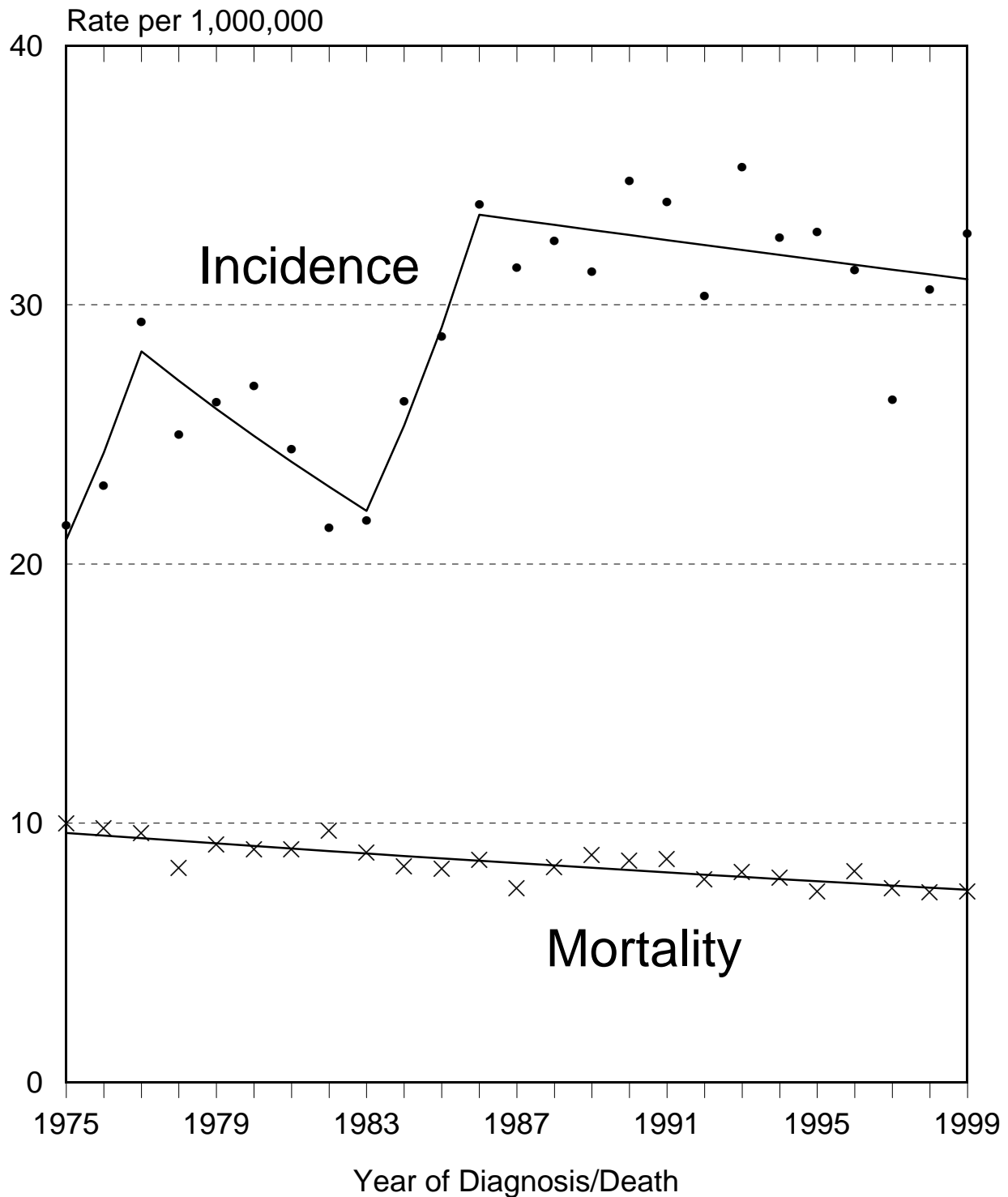
# SEER Incidence and U.S. Mortality All Childhood Cancers, Under 20 Years of Age Both Sexes, All Races, 1975-1999



Source: SEER 9 areas and NCHS public use data file. Rates are age-adjusted to the 2000 U.S. standard million population by 5-year age groups. Regression lines are calculated using the Joinpoint Regression Program.

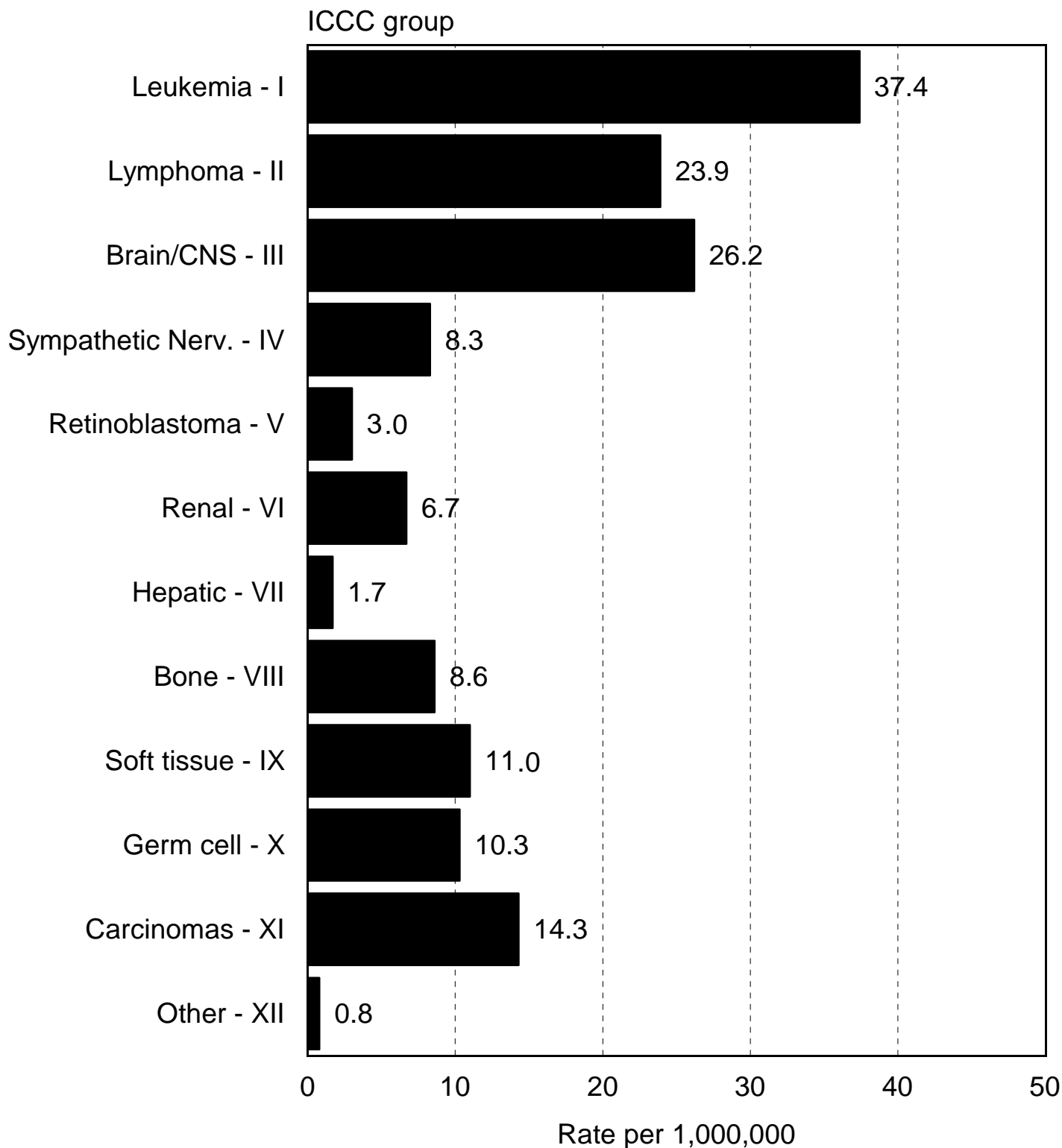


# SEER Incidence and U.S. Mortality Brain and CNS, Under 15 Years of Age Both Sexes, All Races, 1975-1999



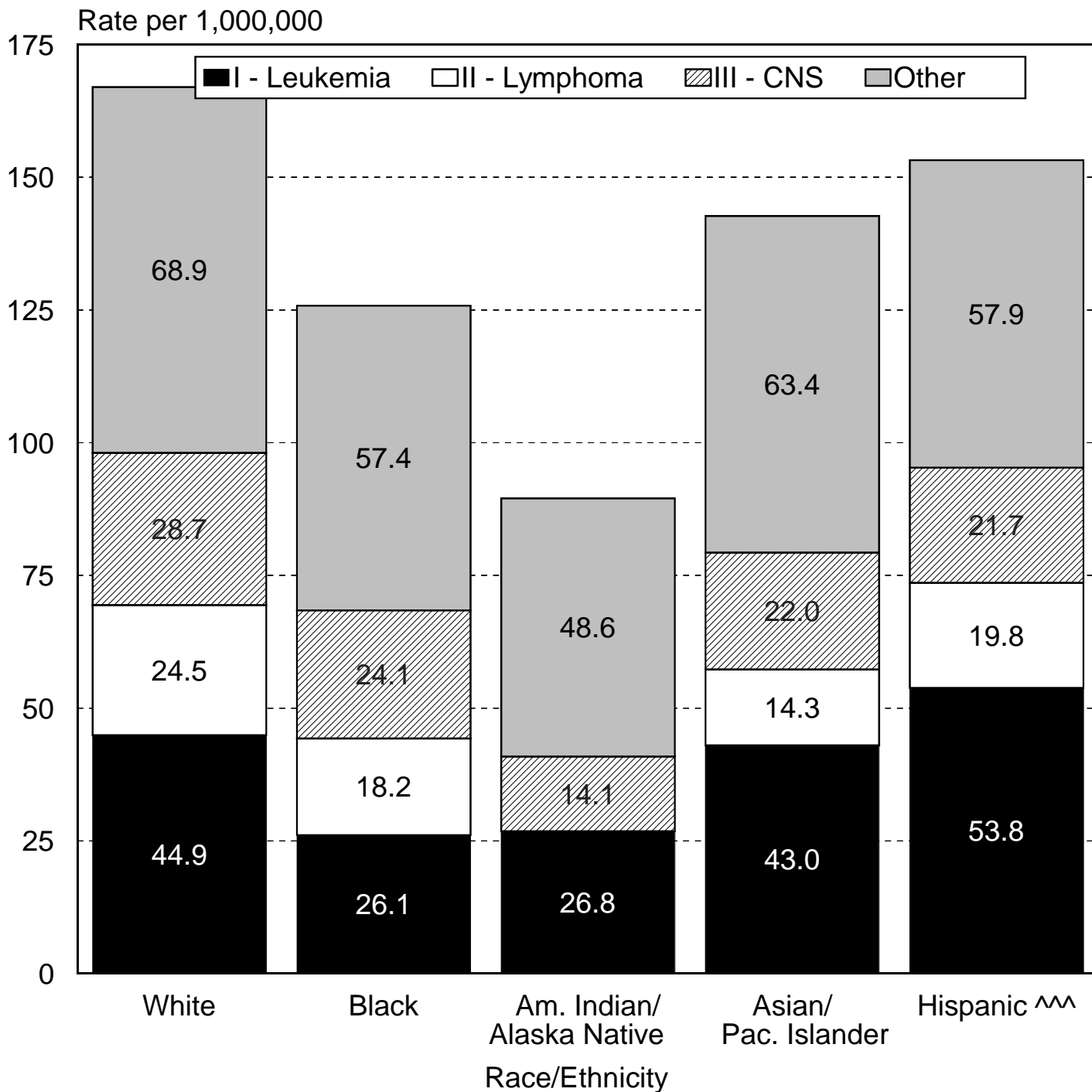
Source: SEER 9 areas and NCHS public use data file. Rates are age-adjusted to the 2000 U.S. standard million population by 5-year age groups. Regression lines are calculated using the Joinpoint Regression Program.

# Childhood Cancer SEER Incidence Rates 1973-1999, by ICCC Group Under 20 Years of Age, Both Sexes, All Races



Source: SEER 9 areas. Rates are age-adjusted to the 2000 U.S. standard million population by 5-year age groups.

# Childhood Cancer SEER Incidence Rates 1992-1999 by ICCC Group and Race/Ethnicity Both Sexes, Under 20 Years of Age



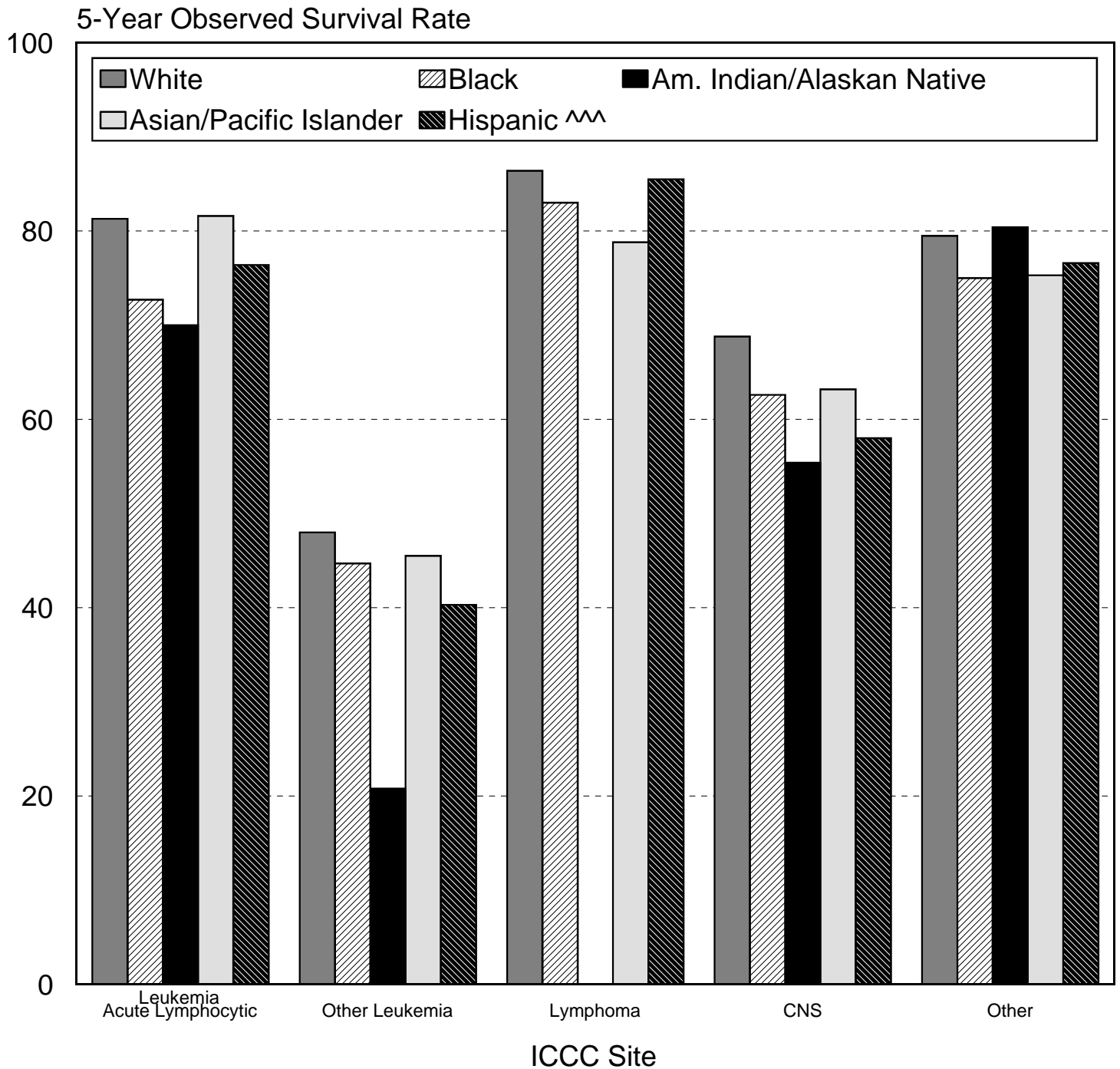
Source: SEER 12 areas. Incidence rates are age-adjusted to the 2000 U.S. standard million population by 5-year age groups and are not shown for fewer than 10 cases for the time period.

<sup>^^</sup> Hispanic is not mutually exclusive from Whites, Blacks, Asian/Pacific Islanders, and American Indians/Alaskan Natives.

Hispanic rates exclude cases diagnosed in Detroit and Hawaii.

Figure XXVIII-5

# SEER Childhood Cancer 1990-1998 5-Year Observed Survival Rates by ICCC Group and Race/Ethnicity Both Sexes, Under 20 Years of Age



Source: SEER 12 areas. Survival rate not shown for fewer than 10 cases for the time period.  
 ^^ Hispanic is not mutually exclusive from Whites, Blacks, Asian/Pacific Islanders, and American Indians/Alaskan Natives.