

Table XXIX-1

AGE-ADJUSTED AND AGE-SPECIFIC SEER CANCER INCIDENCE RATES, 1975-2002^a

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><1</u>	<u>1-4</u>	<u>5-9</u>	<u>10-14</u>	<u>15-19</u>
All Groups Combined	139.5	154.3	223.9	188.3	107.9	118.0	198.4
I Leukemia	42.2	37.5	35.7	77.2	35.0	24.2	23.5
I(a) Lymphoid leukemia	33.3	28.0	18.5	65.8	28.7	16.1	12.2
Acute lymphoblastic leukemia (ALL)	32.9	27.6	18.1	65.2	28.3	15.8	11.9
Lymphoid excluding ALL	0.4	0.4	0.4	0.6	0.4	0.3	0.3
I(b) Acute non-lymphocytic leukemia	6.3	6.8	11.2	8.0	4.4	6.1	8.1
I(c) Chronic myeloid leukemia	0.9	1.2	2.1	0.9	0.6	1.0	2.1
I(d) Other specified leukemias	0.2	0.2	1.0	0.3	0.1	0.1	0.2
I(e) Unspecified leukemias	1.4	1.3	2.9	2.2	1.2	0.9	1.0
II Lymphomas and reticuloendothelial neo.	14.8	23.9	3.2	7.5	13.2	24.2	51.0
II(a) Hodgkin lymphoma	5.9	13.4	0.3	0.5	4.0	12.9	35.8
II(b) Non-Hodgkin lymphoma	5.6	7.2	1.3	4.1	5.6	7.5	12.1
II(c) Burkitt's lymphoma	2.3	2.1	0.0	1.9	2.7	2.5	1.6
II(d) Miscellaneous lymphoreticular neo.	0.3	0.3	1.4	0.4	0.2	0.3	0.3
II(e) Unspecified lymphomas	0.7	0.9	0.2	0.6	0.7	1.0	1.3
III CNS and misc intracranial and intraspinal neo.	29.7	27.0	29.4	35.4	30.4	24.6	19.2
III(a) Ependymoma	2.7	2.3	4.4	5.3	1.6	1.5	0.9
III(b) Astrocytoma	14.6	13.9	11.3	15.1	15.2	14.4	11.9
III(c) Primitive neuroectodermal tumors	6.6	5.5	8.5	9.1	7.1	3.8	2.2
III(d) Other gliomas	5.1	4.7	3.5	5.1	6.0	4.3	3.7
III(e) Misc intracranial and intraspinal neo.	0.1	0.1	0.1	0.1	0.1	0.1	0.2
III(f) Unspecified intracranial and intraspinal neo.	0.6	0.5	1.6	0.7	0.4	0.4	0.4
IV Sympathetic nervous system tumors	10.7	8.2	63.0	20.1	3.2	1.1	1.0
IV(a) Neuroblastoma and ganglioneuroblastoma	10.3	7.9	61.9	19.7	3.0	0.8	0.6
IV(b) Other sympathetic nervous system tumors	0.3	0.3	1.1	0.4	0.1	0.3	0.4
V Retinoblastoma	4.0	3.0	26.8	8.2	0.5	0.1	0.1
VI Renal tumors	8.6	6.8	20.2	19.0	5.9	1.3	1.2
VI(a) Wilms' tumor, rhabdoid and clear cell sarc.	8.3	6.3	20.2	18.8	5.6	0.9	0.3
VI(b) Renal carcinoma	0.3	0.4	0.0	0.2	0.2	0.4	0.9
VI(c) Unspecified malignant renal tumors	0.0	0.0	0.0	0.0	0.0	0.0	0.0

^a SEER 9 areas. Rates are per 1,000,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
 - Statistic could not be calculated.
 Neoplasms are abbreviated as neo. Sarcomas are abbreviated as sarc.

Table XXIX-1(cont'd)

AGE-ADJUSTED AND AGE-SPECIFIC SEER CANCER INCIDENCE RATES, 1975-2002^a

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><1</u>	<u>1-4</u>	<u>5-9</u>	<u>10-14</u>	<u>15-19</u>
VII Hepatic tumors	1.9	1.7	9.1	3.5	0.6	0.7	0.9
VII(a) Hepatoblastoma	1.5	1.2	8.7	3.3	0.3	0.1	0.1
VII(b) Hepatic carcinoma	0.4	0.5	0.3	0.2	0.3	0.6	0.8
VII(c) Unspecified malignant hepatic tumors	0.0	0.0	0.1	0.1	0.0	0.0	0.0
VIII Malignant bone tumors	6.4	8.6	0.4	1.4	5.0	12.8	15.0
VIII(a) Osteosarcoma	3.5	4.7	0.0	0.5	2.4	7.4	8.3
VIII(b) Chondrosarcoma	0.3	0.5	0.0	0.1	0.1	0.6	1.3
VIII(c) Ewing's sarcoma	2.4	3.0	0.2	0.7	2.3	4.3	4.8
VIII(d) Other specified malignant bone tumors	0.2	0.3	0.1	0.1	0.1	0.4	0.5
VIII(e) Unspecified malignant bone tumors	0.1	0.1	0.1	0.0	0.1	0.1	0.1
IX Soft-tissue sarcomas	10.1	11.5	14.6	9.7	8.7	10.9	15.6
IX(a) Rhabdomyosarcoma and embryonal sarcoma	4.8	4.5	5.7	6.7	4.9	3.0	3.6
IX(b) Fibrosarc., neurofibrosarc. and oth fibromatous neo.	2.3	3.1	4.7	1.3	1.4	3.5	5.5
IX(c) Kaposi's sarcoma	0.0	0.1	0.0	0.0	0.0	0.0	0.2
IX(d) Other specified soft-tissue sarcomas	2.1	2.7	3.5	1.1	1.7	3.1	4.6
IX(e) Unspecified soft-tissue sarcomas	0.9	1.1	0.7	0.6	0.7	1.4	1.8
X Germ-cell, trophoblastic and other gonadal neo.	4.7	10.2	14.9	3.9	1.9	6.2	26.5
X(a) Intracranial and intraspinal germ-cell tumors	1.1	1.3	1.6	0.2	0.8	1.9	2.2
X(b) Other and unspecified non-gonadal germ-cell tumors	1.3	1.6	9.3	2.0	0.1	0.5	2.5
X(c) Gonadal germ-cell tumors	2.1	6.4	3.9	1.7	0.9	3.3	19.3
X(d) Gonadal carcinomas	0.1	0.6	0.0	0.0	0.0	0.2	1.9
X(e) Other and unspecified malignant gonadal tumors	0.1	0.2	0.1	0.1	0.1	0.2	0.6
XI Carcinomas and other malignant epithelial neo.	5.4	14.8	3.3	1.1	3.1	11.3	42.7
XI(a) Adrenocortical carcinoma	0.2	0.2	0.8	0.3	0.2	0.1	0.3
XI(b) Thyroid carcinoma	1.8	5.3	0.0	0.1	0.9	4.3	15.7
XI(c) Nasopharyngeal carcinoma	0.3	0.5	0.2	0.1	0.0	0.7	1.4
XI(d) Malignant melanoma	1.6	4.8	1.3	0.5	1.1	2.9	14.4
XI(e) Skin carcinoma	0.0	0.0	0.0	0.0	0.0	0.1	0.1
XI(f) Other and unspecified carcinomas	1.5	3.8	1.0	0.2	0.8	3.2	10.9
XII Other and unspecified malignant neo.	0.5	0.8	1.1	0.6	0.3	0.7	1.5
XII(a) Other specified malignant tumors	0.2	0.3	0.4	0.1	0.1	0.2	0.6
XII(b) Other unspecified malignant tumors	0.4	0.5	0.7	0.5	0.2	0.4	0.9
Not classified by ICCC	0.4	0.3	2.0	0.7	0.1	0.1	0.1

^a SEER 9 areas. Rates are per 1,000,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
 - Statistic could not be calculated.
 Neoplasms are abbreviated as neo. Sarcomas are abbreviated as sarc.

Table XXIX-2

AGE-ADJUSTED SEER CANCER INCIDENCE RATES, 1975-1981, 1982-1988, 1989-1995, 1996-2002^a

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>1975-1981</u>	<u>1982-1988</u>	<u>1989-1995</u>	<u>1996-2002</u>
All Groups Combined	141.4	152.9	159.8	162.6
I Leukemia	34.4	37.0	38.4	40.1
I(a) Lymphoid leukemia	24.8	27.9	28.7	30.3
Acute lymphoblastic leukemia (ALL)	24.4	27.7	28.4	29.8
I(b) Acute non-lymphocytic leukemia	6.0	6.1	7.0	7.9
II Lymphomas and reticuloendothelial neo.	23.9	24.9	23.9	23.3
II(a) Hodgkin lymphoma	14.2	14.2	13.1	12.2
II(b,c,e) Non-Hodgkin lymphoma	9.2	10.2	10.5	11.0
III CNS and misc intracranial and intraspinal neo.	23.6	26.2	29.2	28.7
III(a) Ependymoma	1.9	2.1	2.5	2.5
III(b) Astrocytoma	12.1	13.6	15.8	14.0
III(c) Primitive neuroectodermal tumors	4.7	5.3	5.4	6.4
III(d) Other gliomas	4.0	4.4	5.1	5.3
IV Sympathetic nervous system tumors	7.7	8.3	8.3	8.6
IV(a) Neuroblastoma and ganglioneuroblastoma	7.5	7.8	7.9	8.2
V Retinoblastoma	2.7	3.0	3.3	3.1
VI Renal tumors	6.3	6.7	6.9	7.1
VI(a) Wilms' tumor, rhabdoid and clear cell sarcoma	6.0	6.3	6.4	6.5
VII Hepatic tumors	1.1	1.7	1.6	2.2
VII(a) Hepatoblastoma	0.6	1.2	1.2	1.5
VIII Malignant bone tumors	8.0	8.8	9.0	8.6
VIII(a) Osteosarcoma	4.0	4.8	5.1	4.9
VIII(c) Ewing's sarcoma	3.0	3.2	3.0	2.9
IX Soft-tissue sarcomas	9.9	11.4	11.8	12.6
IX(a) Rhabdomyosarcoma and embryonal sarcoma	4.0	4.5	4.8	4.6
X Germ-cell, trophoblastic and other gonadal neo.	8.9	9.9	11.0	11.0
X(a) Intracranial and intraspinal germ-cell tumors	0.9	1.1	1.6	1.8
X(c) Gonadal germ-cell tumors	5.6	6.3	6.9	7.0
XI Carcinomas and other malignant epithelial neo.	13.6	14.0	15.3	16.2
XI(b) Thyroid carcinoma	4.7	5.3	5.3	6.0
XI(d) Malignant melanoma	4.3	4.1	5.3	5.5

^a SEER 9 areas. Rates are per 1,000,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
 - Statistic could not be calculated.
 Neoplasms are abbreviated as neo.

Table XXIX-3

AGE-ADJUSTED SEER CANCER INCIDENCE TRENDS, 1975-2002, 1975-1988, 1989-2002^a

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	APC	APC	APC	% Change	APC	APC	APC
	1975-2002	1975-2002	1975-1988	1989-2002	1975-2002	1975-2002	1975-1988	1989-2002
All Groups Combined	27.1	0.7 ^b	1.1 ^b	0.3 ^d	28.7	0.6 ^b	1.1 ^b	0.2 ^c
I Leukemia	37.1	0.7 ^b	1.3 ^b	0.2	40.5	0.7 ^b	1.0 ^b	0.4
I(a) Lymphoid leukemia	63.0	0.8 ^b	1.6 ^b	0.3	66.6	0.8 ^b	1.6 ^b	0.3
Acute lymphoblastic leukemia (ALL)	64.8	0.8 ^b	1.9 ^b	0.2 ^c	66.9	0.8 ^b	1.8 ^b	0.2 ^d
I(b) Acute non-lymphocytic leukemia	9.3	1.2 ^b	1.1	0.7	28.1	1.4 ^b	0.6	1.5
II Lymphomas and reticuloendothelial neo.	-21.0	-0.5 ^b	-0.7	0.3	-9.3	-0.2	0.2	-0.6
II(a) Hodgkin lymphoma	-36.5	-1.2 ^b	-1.5	-1.8	-23.8	-0.9 ^b	-0.5	-2.1 ^{bd}
II(b,c,e) Non-Hodgkin lymphoma	-6.6	0.4	0.3	1.7 ^b	16.5	0.9 ^b	1.3 ^b	1.2
III CNS & misc intracranial & intraspinal neo.	60.6	1.2 ^b	2.3 ^b	0.3 ^d	52.8	1.0 ^b	2.1 ^b	0.1 ^c
III(a) Ependymoma	147.2	1.4 ^b	3.1	-0.3	132.0	1.2	3.0	-0.3
III(b) Astrocytoma	31.5	1.3 ^b	2.4 ^b	-0.6 ^c	21.4	0.8 ^b	2.1 ^b	-1.2 ^c
III(c) Primitive neuroectodermal tum.	137.4	1.2 ^b	1.4	1.9 ^b	181.2	1.3 ^b	1.6	2.2 ^b
III(d) Other gliomas	101.1	1.1	2.4	1.0	91.6	1.5 ^b	2.3	1.1
IV Sympathetic nervous system tum.	17.9	0.5	0.4	0.9	21.2	0.5	0.6	0.9
IV(a) Neuroblastoma and ganglioneuroblastoma	16.2	0.5	0.2	1.1	16.1	0.4	0.3	1.0
V Retinoblastoma	-35.1	0.6	1.0	-0.6	-35.1	0.6	1.0	-0.8
VI Renal tum.	42.2	0.4	0.5	-0.4	39.5	0.5	0.5	-0.5
VI(a) Wilms' tum., rhabdoid & clear cell sarcoma	45.4	0.3	0.6	-0.5	45.4	0.3	0.6	-0.7
VII Hepatic tum.	84.0	2.0 ^b	3.1	2.1	84.0	2.0 ^b	2.9	2.2
VII(a) Hepatoblastoma	187.5	2.7 ^b	5.1	2.3	187.5	2.6 ^b	4.9	2.0
VIII Malignant bone tum.	46.6	0.3	2.2	-0.6	40.8	0.5	2.1 ^b	0.0
VIII(a) Osteosarcoma	121.1	1.0 ^b	3.1 ^b	-0.7 ^c	111.4	1.0 ^b	3.3 ^b	0.1 ^d
VIII(c) Ewing's sarcoma	10.0	-0.7	2.1	-0.5	-6.7	-0.1	2.1	0.1
IX Soft-tissue sarcomas	24.9	1.0 ^b	0.6	-0.3	29.9	0.9 ^b	1.2	0.5
IX(a) Rhabdomyosarcoma and embryonal sarcoma	1.9	0.5	0.8	-1.7	15.0	0.6	1.6	-1.1
X Germ-cell, trophoblastic & other gonadal neo.	28.6	1.3 ^b	1.7	0.3	22.8	1.1 ^b	1.4	0.4
X(a) Intracranial and intraspinal germ-cell tum.	30.5	-	-	1.4	34.5	3.4 ^b	3.3	1.7
X(c) Gonadal germ-cell tum.	-25.7	-0.4	0.1	0.9	44.3	1.0 ^b	1.3	0.6
XI Carcinomas and other malignant epithelial neo.	12.1	0.9 ^b	-0.4	2.7 ^d	49.6	0.9 ^b	0.5	1.3
XI(b) Thyroid carcinoma	9.9	0.5	0.0	1.3	74.3	1.1 ^b	0.9	2.3
XI(d) Malignant melanoma	87.3	1.9 ^b	0.7	4.0	121.5	1.4 ^b	0.6	0.5

^a The APC is the Annual Percent Change over the time interval.

^b SEER 9 areas.

^c The APC is significantly different from zero (p<.05).

^d The APC for 1989-2002 is significantly different from the APC for 1975-1988 (p<.05).

^e The APC for 1989-2002 is significantly different from the APC for 1975-1988 (p<.10).

- Statistic could not be calculated.

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

Table XXIX-4

AGE-ADJUSTED SEER CANCER INCIDENCE TRENDS, 1975-2002, 1975-1988, 1989-2002^a

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 1975-2002	APC 1975-2002	APC 1975-1988	APC 1989-2002	% Change 1975-2002	APC 1975-2002	APC 1975-1988	APC 1989-2002
All Groups Combined	22.7	0.7 ^b	1.2 ^b	0.0 ^c	31.5	0.7 ^b	1.3 ^b	0.2 ^c
I Leukemia	26.3	0.7 ^b	1.3 ^b	0.4	35.2	0.6 ^b	1.0 ^b	0.6
I(a) Lymphoid leukemia	51.6	0.8 ^b	1.7 ^b	0.2	60.7	0.8 ^b	1.8 ^b	0.1 ^d
Acute lymphoblastic leukemia (ALL)	48.8	0.8 ^b	2.0 ^b	0.1 ^d	57.2	0.8 ^b	2.1 ^b	0.0 ^c
I(b) Acute non-lymphocytic leukemia	18.5	1.8 ^b	1.3	2.4	40.1	1.6 ^b	-0.2	3.5 ^{bc}
II Lymphomas and reticuloendothelial neo.	-32.5	-0.7 ^b	-0.3	-0.7	-14.8	-0.4	0.4	-0.9
II(a) Hodgkin lymphoma	-44.6	-1.6 ^b	-1.0	-3.0	-32.5	-1.3 ^b	-0.4	-2.6 ^b
II(b,c,e) Non-Hodgkin lymphoma	-24.6	-0.1	0.2	0.5	9.5	0.7	1.1	0.6
III CNS & misc intracranial & intraspinal neo.	73.3	1.3 ^b	2.3 ^b	-0.4 ^c	64.5	1.1 ^b	2.2 ^b	-0.3 ^c
III(a) Ependymoma	72.3	0.7	1.5	-3.5 ^b	72.3	0.7	1.7	-2.9 ^b
III(b) Astrocytoma	21.0	1.2 ^b	2.0	-1.7 ^c	20.8	0.8 ^b	1.8 ^b	-1.7 ^c
III(c) Primitive neuroectodermal tum.	390.6	1.5 ^b	1.0	1.6	425.8	1.6 ^b	1.3	2.1 ^b
III(d) Other gliomas	139.0	1.4	5.2	1.3	100.7	1.8 ^b	3.9	1.2
IV Sympathetic nervous system tum.	47.1	0.6	1.0	0.7	49.2	0.7	1.4	0.5
IV(a) Neuroblastoma and ganglioneuroblastoma	43.5	0.6	0.6	0.8	42.2	0.6	0.9	0.7
V Retinoblastoma	-32.7	1.1	2.0	-0.4	-32.7	1.1	2.0	-0.8
VI Renal tum.	30.5	0.6	1.3	-1.5	28.1	0.6	0.6	-1.0
VI(a) Wilms' tum., rhabdoid & clear cell sarcoma	41.2	0.5	1.4	-1.6	41.2	0.4	1.3	-1.6
VII Hepatic tum.	91.1	2.4 ^b	3.9	0.9	91.1	2.3 ^b	2.7	0.3
VII(a) Hepatoblastoma	104.7	2.6 ^b	5.5	1.0	104.7	2.6 ^b	5.4	0.6
VIII Malignant bone tum.	27.8	0.8	3.2	0.8	54.2	1.2 ^b	2.8 ^b	0.7
VIII(a) Osteosarcoma	143.0	1.2	5.1 ^b	-0.4	237.7	1.6 ^b	5.2 ^b	0.8
VIII(c) Ewing's sarcoma	8.7	0.5	2.3	3.0	-34.1	0.6	1.0	1.7
IX Soft-tissue sarcomas	53.0	1.2 ^b	0.8	0.6	67.7	1.2 ^b	1.6	1.1
IX(a) Rhabdomyosarcoma and embryonal sarcoma	13.9	0.8	2.9	-0.3	35.4	0.7	3.1	0.1
X Germ-cell, trophoblastic & other gonadal neo.	-6.6	1.3	0.0	0.0	59.4	1.4 ^b	1.4	0.6
X(a) Intracranial and intraspinal germ-cell tum.	-53.9	-	-	0.4	-30.2	3.4 ^b	1.9	1.1
X(c) Gonadal germ-cell tum. (testis)	-35.5	-0.8	-1.5	-0.7	90.4	1.1 ^b	0.6	1.0
XI Carcinomas and other malignant epithelial neo.	-25.8	0.6	-2.3	0.2	28.6	0.9 ^b	0.8	0.9
XI(b) Thyroid carcinoma	-0.5	-	-	-	62.4	0.3	0.6	4.1
XI(d) Malignant melanoma	15.3	0.7	-3.4	1.5	39.2	1.3	0.8	0.2

^a The APC is the Annual Percent Change over the time interval.

^b SEER 9 areas.

^c The APC is significantly different from zero (p<.05).

^d The APC for 1989-2002 is significantly different from the APC for 1975-1988 (p<.05).

^e The APC for 1989-2002 is significantly different from the APC for 1975-1988 (p<.10).

- Statistic could not be calculated.

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

Table XXIX-5

AGE-ADJUSTED SEER CANCER INCIDENCE TRENDS, 1975-2002, 1975-1988, 1989-2002^a

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	APC	APC	APC	% Change	APC	APC	APC
	1975-2002	1975-2002	1975-1988	1989-2002	1975-2002	1975-2002	1975-1988	1989-2002
All Groups Combined	32.7	0.7 ^b	0.9 ^b	0.6	25.3	0.6 ^b	0.8	0.3
I Leukemia	54.3	0.6 ^b	1.3	0.0	48.5	0.7 ^b	1.0	0.1
I(a) Lymphoid leukemia	79.8	0.8 ^b	1.5	0.5	74.9	0.9 ^b	1.3	0.6
Acute lymphoblastic leukemia (ALL)	89.6	0.8 ^b	1.7	0.3	81.1	0.8 ^b	1.4	0.5
I(b) Acute non-lymphocytic leukemia	-2.3	0.6	1.3	-1.6	11.6	1.1 ^b	1.7	-0.8
II Lymphomas and reticuloendothelial neo.	1.5	-0.2	-1.6	2.1 ^d	-1.3	0.0	-0.1	-0.2
II(a) Hodgkin lymphoma	-25.5	-0.9	-2.7	-0.8	-12.7	-0.5	-0.6	-1.6
II(b,c,e) Non-Hodgkin lymphoma	44.4	1.4	1.0	5.2 ^b	30.5	1.4 ^b	1.6	2.6
III CNS & misc intracranial & intraspinal neo.	49.1	1.1 ^b	2.1	1.3	40.2	0.9 ^b	1.9	0.5
III(a) Ependymoma	250.2	1.7	3.6	4.0	197.0	1.4	2.7	3.2
III(b) Astrocytoma	41.4	1.4 ^b	2.9	0.6	21.7	0.8	2.3	-0.6 ^d
III(c) Primitive neuroectodermal tum.	12.7	0.7	1.5	2.3	39.6	0.7	1.9	2.3
III(d) Other gliomas	64.3	0.6	-0.5	0.8	78.4	0.9	0.5	1.0
IV Sympathetic nervous system tum.	-8.0	0.4	-0.3	1.5	-4.6	0.4	-0.3	1.7
IV(a) Neuroblastoma and ganglioneuroblastoma	-8.0	0.4	-0.4	1.6	-8.0	0.3	-0.4	1.6
V Retinoblastoma	-38.5	0.2	-0.5	-0.3	-38.5	0.3	-0.5	-0.1
VI Renal tum.	55.6	0.2	-0.3	0.4	53.0	0.3	0.2	0.0
VI(a) Wilms' tum., rhabdoid & clear cell sarcoma	49.6	0.1	-0.2	0.3	49.6	0.1	-0.1	0.0
VII Hepatic tum.	61.8	1.7	1.4	3.8	61.8	1.8	3.4	5.1
VII(a) Hepatoblastoma	-	-	-	4.0	-	-	-	4.0
VIII Malignant bone tum.	73.3	-0.3	1.2	-2.7	23.7	-0.5	1.1	-1.4
VIII(a) Osteosarcoma	102.9	0.7	0.8	-1.7	27.5	0.0	0.7	-1.3
VIII(c) Ewing's sarcoma	11.7	-2.2	3.0	-5.0	68.3	-1.4	4.2	-2.7
IX Soft-tissue sarcomas	-8.6	0.7	0.4	-1.4	-15.0	0.6	0.9	0.0
IX(a) Rhabdomyosarcoma and embryonal sarcoma	-11.4	-0.1	-2.5	-3.7 ^b	-9.7	0.2	-1.1	-2.6
X Germ-cell, trophoblastic & other gonadal neo.	64.4	1.1	3.3	0.2	-7.9	0.5	1.2	-0.2
X(a) Intracranial and intraspinal germ-cell tum.	395.7	-	-	-	500.6	-	-	-
X(c) Gonadal germ-cell tum. (ovary)	-17.2	-0.3	1.7	1.8	-7.9	0.6	2.2	-0.6
XI Carcinomas and other malignant epithelial neo.	40.9	1.1 ^b	0.9	4.3 ^{bd}	63.0	0.9 ^b	0.4	1.5
XI(b) Thyroid carcinoma	12.8	0.6	1.5	2.4	79.8	1.3 ^b	1.3	1.9
XI(d) Malignant melanoma	183.3	-	-	5.2	213.7	1.5 ^b	0.5	0.8

The APC is the Annual Percent Change over the time interval.

^a SEER 9 areas.

^b The APC is significantly different from zero (p<.05).

^c The APC for 1989-2002 is significantly different from the APC for 1975-1988 (p<.05).

^d The APC for 1989-2002 is significantly different from the APC for 1975-1988 (p<.10).

- Statistic could not be calculated.

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

Table XXIX-6

5-YEAR RELATIVE SURVIVAL RATES, 1985-2001^a

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	<1	1-4	5-9	10-14	15-19	0-14
All Groups Combined	76.4	74.5	78.6	72.6	76.6	75.6	75.5	78.1	75.6
I Leukemia	71.7	70.0	73.8	45.3	82.6	77.7	62.4	48.0	75.6
I(a) Lymphoid leukemia	79.8	78.4	81.7	44.6	88.5	82.5	72.0	53.9	82.7
Acute lymphoblastic leukemia (ALL)	79.9	78.4	81.9	45.6	88.4	82.6	71.8	54.1	82.7
I(b) Acute non-lymphocytic leukemia	42.4	38.3	46.7	40.6 ^b	43.8	51.0	38.6	39.4	43.6
II Lymphomas & reticuloendothelial neo.	85.3	83.6	87.5	-	78.2	85.2	86.4	85.7	84.8
II(a) Hodgkin lymphoma	92.8	92.3	93.2	-	-	92.2	93.8	92.3	93.7
II(b,c,e) Non-Hodgkin lymphoma	76.3	75.9	77.0	-	76.1	82.5	78.7	71.3	79.4
III CNS and misc intracranial & intraspinal neo.	69.1	69.5	68.6	52.2	64.0	68.5	74.7	76.6	67.6
III(a) Ependymoma	62.8	64.5	59.9	39.3 ^b	53.1	73.5 ^b	76.2 ^b	92.8 ^b	59.5
III(b) Astrocytoma	78.6	78.0	79.4	75.6 ^b	83.9	77.2	78.3	75.6	79.4
III(c) Primitive neuroectodermal tumors	59.6	61.7	56.3	23.3 ^b	49.8	72.7	68.8	71.7 ^b	58.5
III(d) Other gliomas	58.5	61.4	55.0	-	50.8	40.9	67.5	78.5	53.3
IV Sympathetic nervous system tumors	66.3	65.2	67.5	85.9	55.3	47.5 ^b	63.2 ^b	52.3 ^c	66.7
IV(a) Neuroblastoma and ganglioneuroblastoma	66.2	65.4	67.2	86.2	55.0	45.9 ^b	-	-	66.8
V Retinoblastoma	95.5	95.6	95.4	95.7	94.7	-	-	-	95.4
VI Renal tumors	89.9	88.7	91.0	89.5	92.6	88.4	80.6 ^b	71.4 ^b	90.7
VI(a) Wilms' tumor, rhabdoid & clear cell sarcoma	90.7	89.6	91.7	89.5	92.5	88.1	-	-	90.9
VII Hepatic tumors	52.0	50.2	53.9 ^b	69.7 ^b	56.1 ^b	-	-	15.0 ^b	57.6
VII(a) Hepatoblastoma	61.6	57.5 ^b	66.2 ^b	70.3 ^b	57.6 ^b	-	-	-	62.0
VIII Malignant bone tumors	65.4	63.7	67.9	-	-	71.4	67.5	62.0	68.0
VIII(a) Osteosarcoma	64.3	62.4	67.0	-	-	64.3 ^b	68.5	61.0	66.7
VIII(c) Ewing's sarcoma	61.5	58.7	65.5	-	-	76.4 ^b	61.5	54.7	66.2
IX Soft-tissue sarcomas	71.2	70.8	71.6	58.3 ^b	77.7	73.6	74.5	66.2	73.6
IX(a) Rhabdomyosarcoma & embryonal sarcoma	63.7	65.9	60.2	41.6 ^b	80.4	66.8	54.4 ^b	47.6 ^b	67.4
X Germ-cell, trophoblastic & other gonadal neo.	89.0	88.1	90.3	80.9	93.0	85.0	87.8	90.1	87.0
X(a) Intracranial & intraspinal germ-cell tumors	80.2	79.0	84.0 ^b	-	-	76.8 ^b	84.6	84.7	76.8
X(c) Gonadal germ-cell tumors	94.7	94.5	94.9	100.0	100.0	-	96.6	93.5	98.4
XI Carcinomas & other malignant epithelial neo.	89.9	83.8	92.9	-	-	90.6	90.9	90.0	89.5
XI(b) Thyroid carcinoma	98.5	96.8	98.8	-	-	100.0	97.2	98.8	97.6
XI(d) Malignant melanoma	92.9	90.6	94.4	-	-	100.0	87.9	94.2	88.6

^a 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 2002.

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

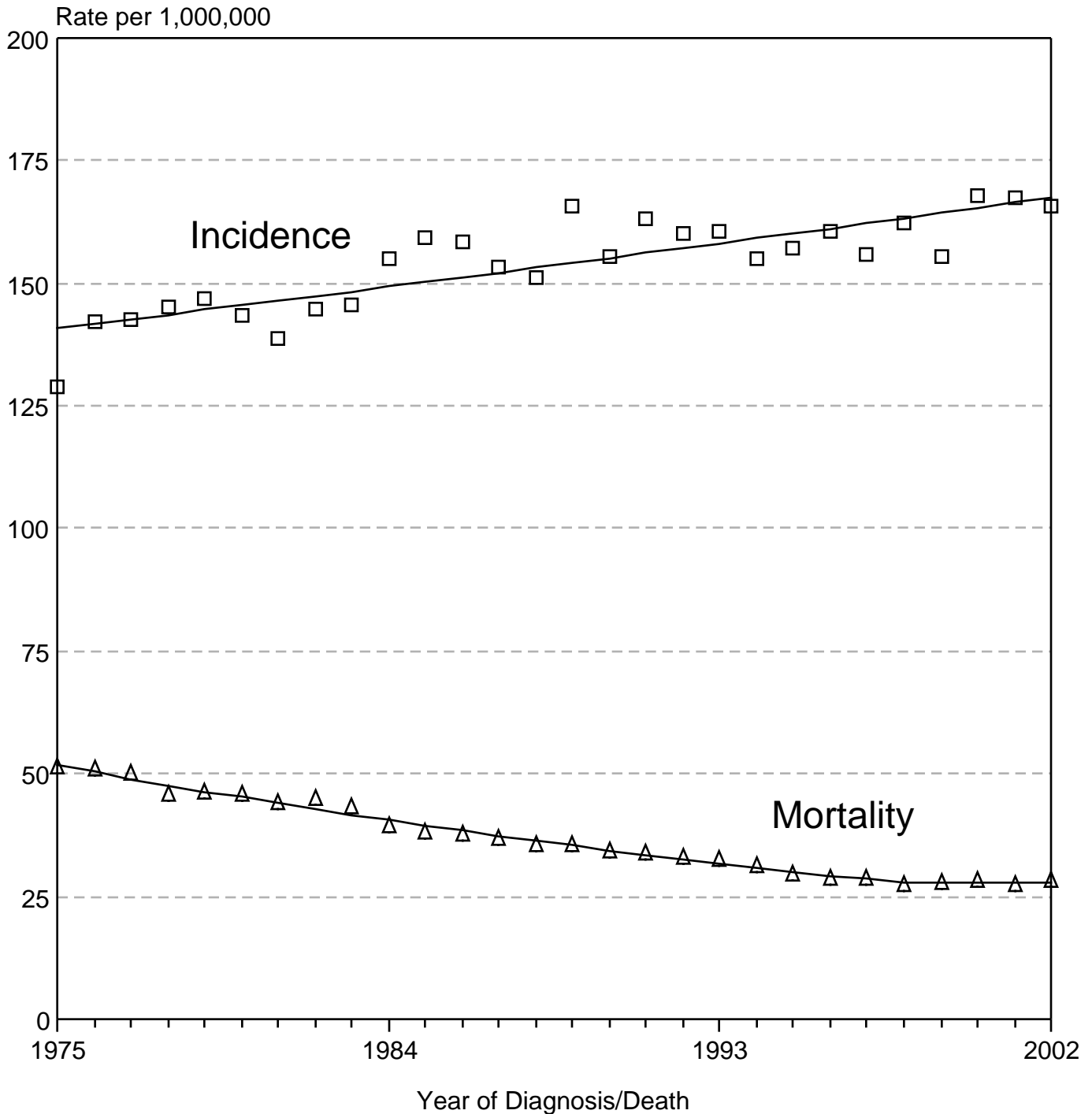
^c The standard error of the survival rate is greater than 10 percentage points.

- Statistic could not be calculated due to fewer than 25 cases during the time period.

Neoplasms are abbreviated as neo.

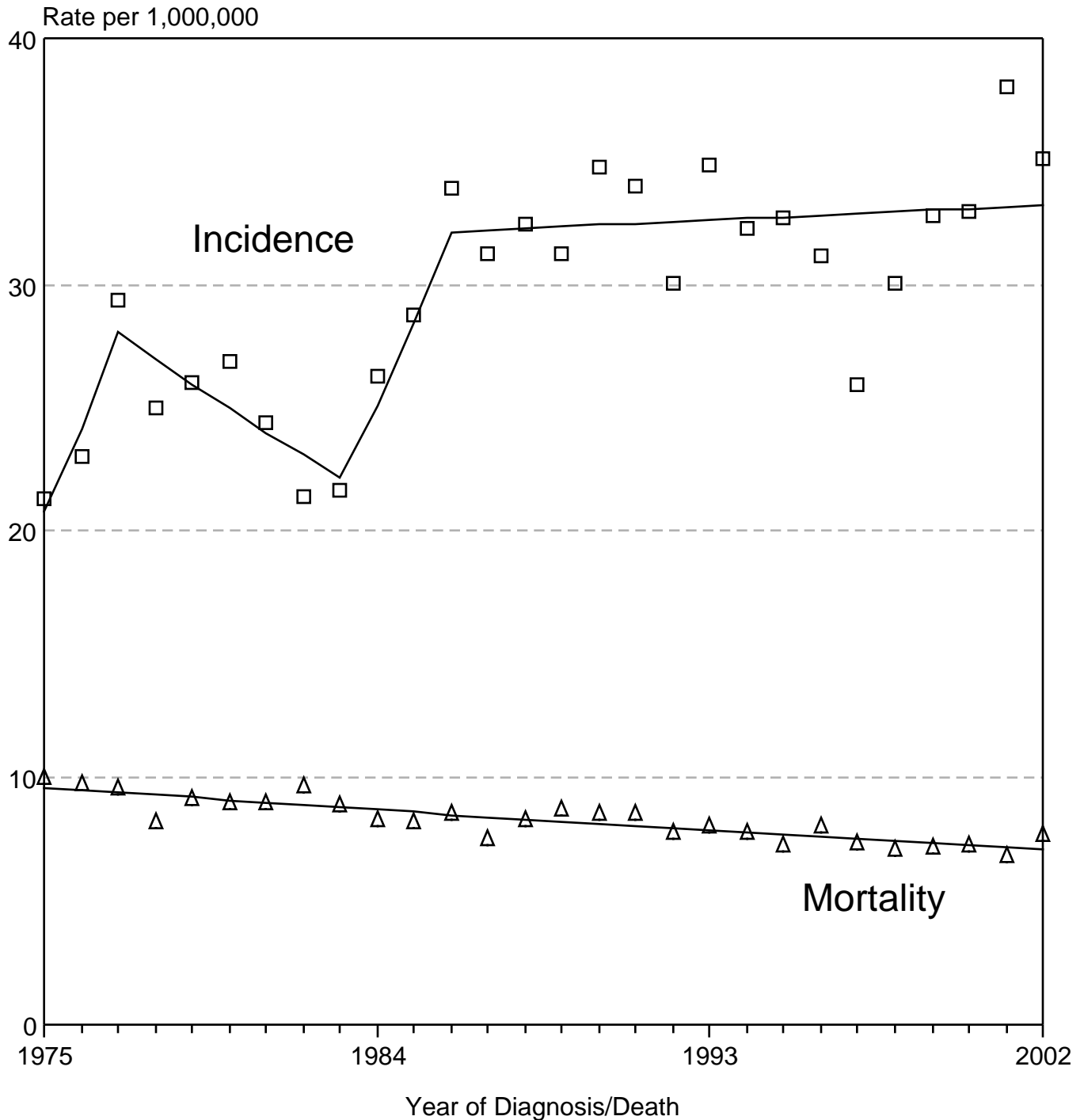
Survival rates are relative rates expressed as percents.

SEER Incidence and US Mortality All Childhood Cancers, Under 20 Years of Age Both Sexes, All Races, 1975-2002



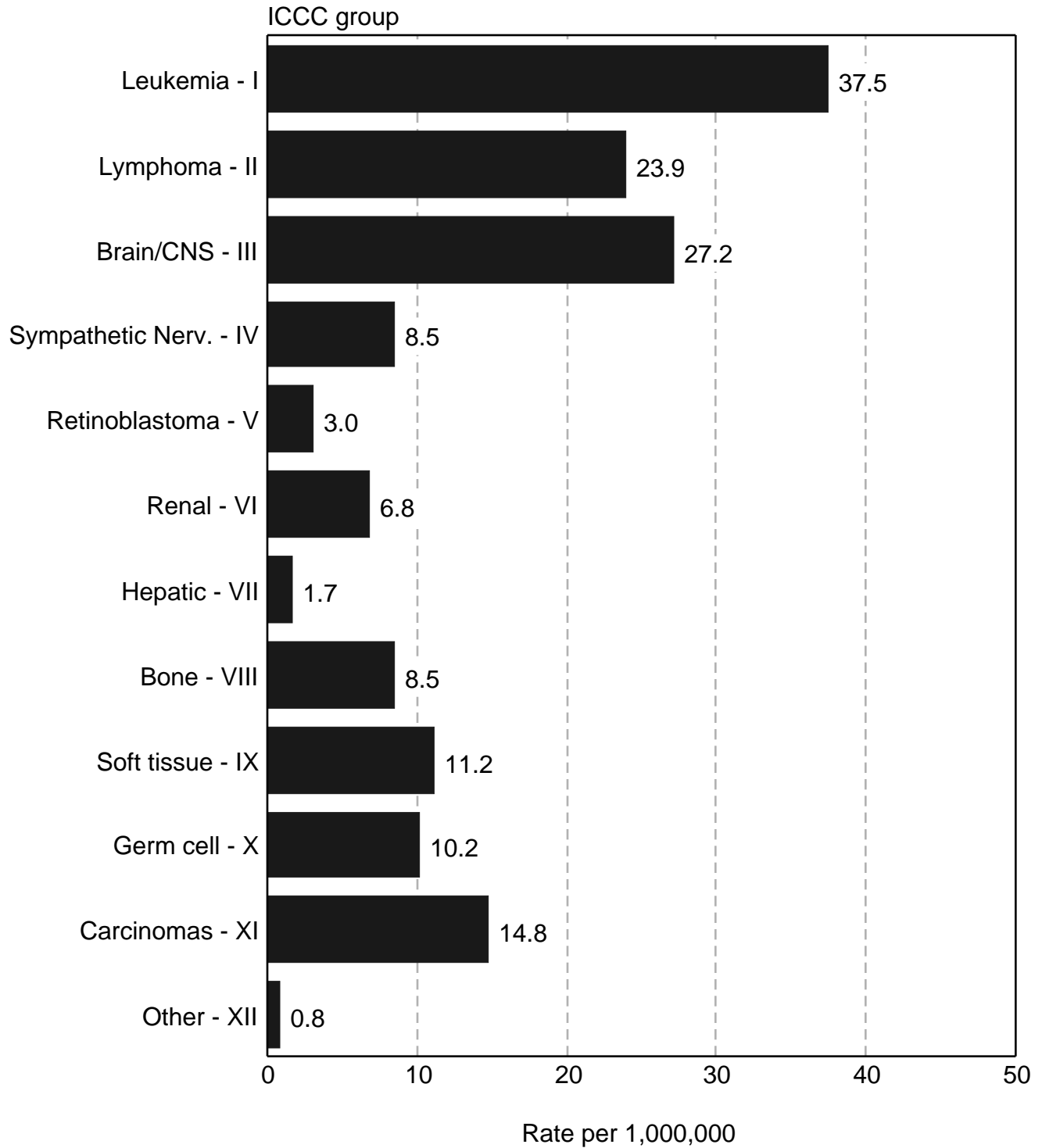
Source: SEER 9 areas and NCHS public use data file for the total US.
 Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
 Regression lines are calculated using the Joinpoint Regression Program Version 3.0, April 2005, National Cancer Institute.

SEER Incidence and US Mortality Brain and CNS, Under 15 Years of Age Both Sexes, All Races, 1975-2002



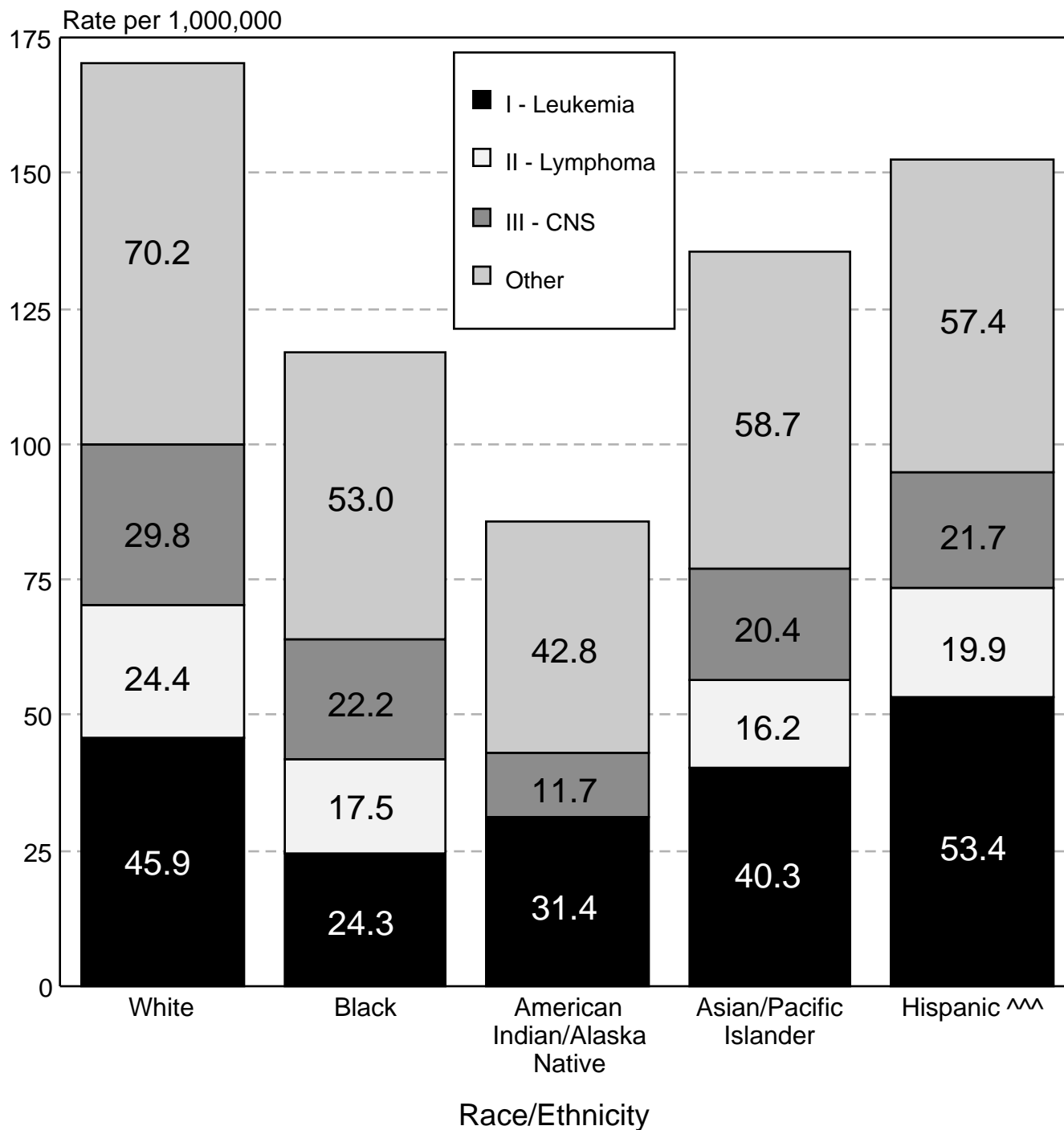
Source: SEER 9 areas and NCHS public use data file for the total US.
 Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
 Regression lines are calculated using the Joinpoint Regression Program Version 3.0, April 2005, National Cancer Institute.

Childhood Cancer SEER Incidence Rates by ICCC Group, 1975-2002 Under 20 Years of Age, Both Sexes, All Races



Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

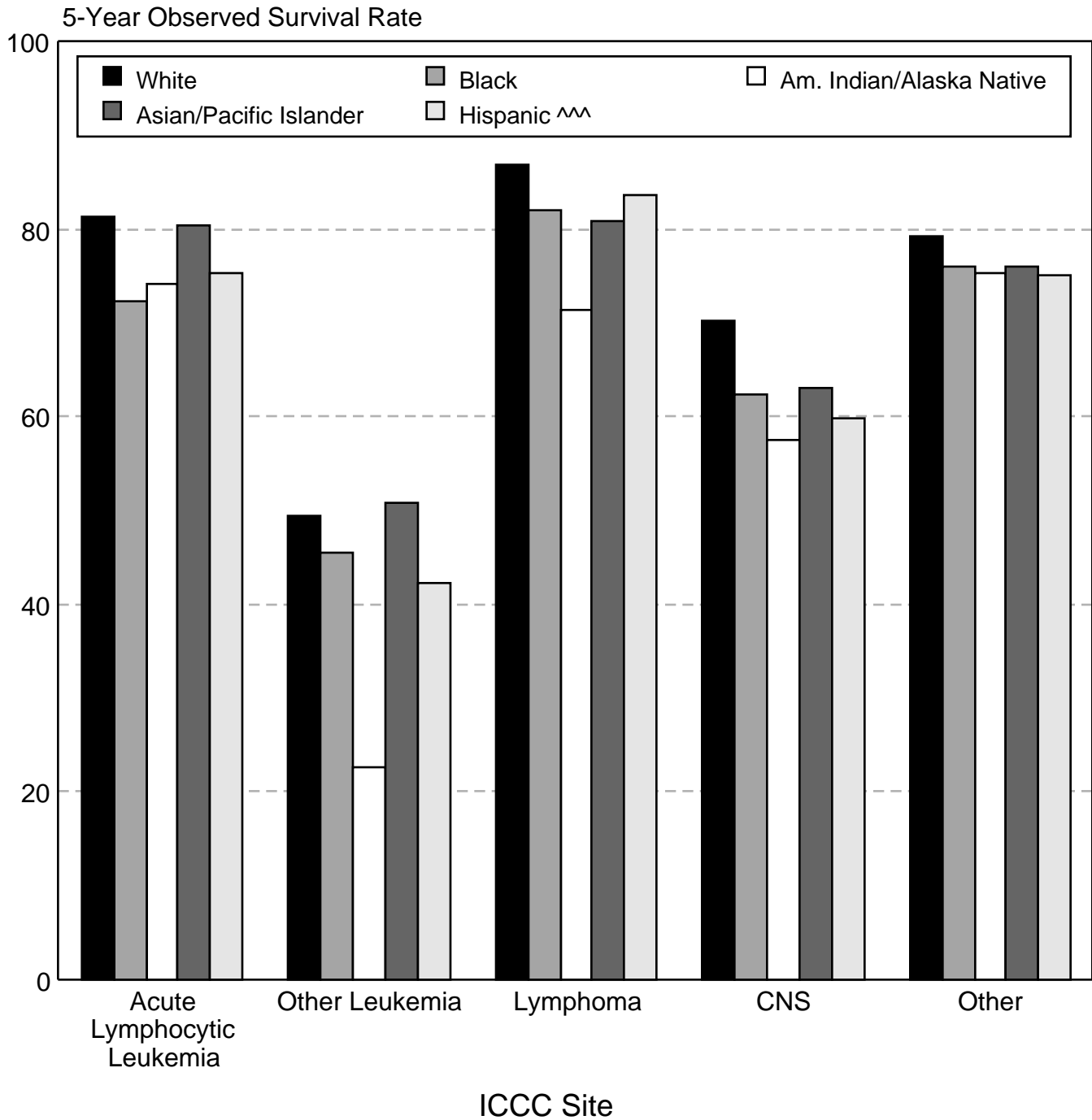
Childhood Cancer SEER Incidence Rates 1992-2002 by ICCC Group and Race/Ethnicity Both Sexes, Under 20 Years of Age



Source: SEER 13 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Incidence rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130) and are 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/Alaska Natives. Incidence data for Hispanics excludes cases from Detroit, Hawaii, Alaska Native Registry and Rural Georgia.

SEER Childhood Cancer 1990-2001 5-Year Observed Survival Rates by ICCC Group and Race/Ethnicity Both Sexes, Under 20 Years of Age



Source: SEER 13 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia).

^^ Hispanic is not mutually exclusive from Whites, Blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics excludes cases from Detroit, Hawaii, Alaska Native Registry and Rural Georgia.