Table XXIX-1

AGE-ADJUSTED AND AGE-SPECIFIC SEER CANCER INCIDENCE RATES, 2001-2005[a]

By International Classification of Childhood Cancer(ICCC)[b] Group and Subgroup[c] and Age
Including Group III benign brain tumors (2004+) and myelodysplastic syndromes (2001-2005)
All Races, Males and Females

ICCC Group and Subgroup	0-14	0-19	<1	1-4	5-9	10-14	15-19
All ICCC Groups Combined							
Excluding benign brain (2001-2005)	152.5	168.0	241.1	210.3	112.8	131.5	213.9
Including Group III benign brain tumors (2004+)	162.4	179.7	247.6	221.6	120.0	143.6	231.3
I Leukemia (includes myelodysplastic syndromes)	51.2	46.4	51.8	91.9	40.4	30.9	32.2
I(a) Lymphoid leukemia	39.4	33.8	19.5	76.7	33.1	21.1	17.0
I(b) Acute myeloid leukemia	8.0	8.4	19.9	10.2	4.7	7.4	9.7
I(c) Chronic myeloproliferative diseases	1.1	1.6	-	0.8	0.7	1.3	3.1
I(d) Myelodysplastic syndrome and other myeloproliferative	1.5	1.4	5.8	2.6	0.8	0.6	1.1
I(e) Unspecified and other specified leukemias	1.3	1.2	4.0	1.5	1.1	0.7	1.1
II Lymphomas and reticuloendothelial neo.	15.5	23.6	8.6	8.5	13.6	24.0	47.7
II(a) Hodgkin lymphoma	5.5	11.5	-	0.9	4.1	11.3	29.3
II(b) Non-Hodgkin lymphoma (except Burkitt lymphoma)	6.5	8.6	-	3.9	5.9	9.8	15.1
II(c) Burkitt lymphoma	2.4	2.4	-	1.7	3.1	2.5	2.4
II(d) Miscellaneous lymphoreticular neo.	1.1	0.9	6.7	1.8	-	-	-
II(e) Unspecified lymphomas	-	0.3	-	-	-	-	0.7
III CNS and misc intracranial and intraspinal neo. (2004+ only)	39.7	40.1	44.0	47.0	37.3	35.6	41.4
III(a) Ependymomas and choroid plexus tumor	4.7	4.1	-	7.4	3.5	-	-
III(b) Astrocytoma	14.0	14.0	14.4	16.4	13.1	13.0	13.9
III(c) Intracranial and intraspinal embryonal tumors	6.7	5.7	-	10.8	5.6	4.0	-
III(d) Other gliomas	5.4	5.2	-	3.9	8.0	4.7	4.7
III(e) Other specified intracranial/intraspinal neo.	7.9	10.2	-	7.6	6.3	9.9	17.0
III(f) Unspecified intracranial and intraspinal neo.	1.0	0.9	-	-	-	-	-
IV Neuroblastoma and other peripheral nervous cell tumor	10.3	7.9	53.4	20.3	3.0	1.8	0.7
IV(a) Neuroblastoma and ganglioneuroblastoma	10.2	7.7	53.0	20.2	3.0	1.6	-
IV(b) Other peripheral nervous cell tumors	-	0.2	-	-	-	-	-
V Retinoblastoma	4.0	3.0	23.5	9.1	-	-	-
VI Renal tumors	7.6	6.1	16.4	18.1	4.3	1.2	1.5
VI(a) Nephroblastoma and other nonepithelial renal tumor	7.3	5.5	16.4	17.9	4.1	0.6	-
VI(b) Renal carcinoma	0.3	0.5	-	-	-	0.6	1.2
VI(c) Unspecified malignant renal tumors	-	-	-	-	-	-	-

[a] SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

[b] International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005: Vol 103, No. 7 , pg 1457-1467.

[c] Classifications are shown for invasive cases only except as noted. For ICCC groups and subgroups that include *in situ* behavior, only invasive cases are shown.

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. Rate based on less than 16 cases for the time interval.

Neoplasms are abbreviated as neo.

Table XXIX-1 - continued

AGE-ADJUSTED AND AGE-SPECIFIC SEER CANCER INCIDENCE RATES, 2001-2005[a]

By International Classification of Childhood Cancer(ICCC)[b] Group and Subgroup[c] and Age
Including Group III benign brain tumors (2004+) and myelodysplastic syndromes (2001-2005)
All Races, Males and Females

ICCC Group and Subgroup	0-14	0-19	<1	1-4	5-9	10-14	15-19
VII Hepatic tumors	2.4	2.1	12.2	4.5	0.8	0.6	1.1
VII(a) Hepatoblastoma	2.0	1.5	11.7	4.4	-	-	-
VII(b) Hepatic carcinoma	0.4	0.5	-	-	-	-	1.0
VII(c) Unspecified malignant hepatic tumors	-	-	-	-	-	-	-
VIII Malignant bone tumors	6.7	8.9	-	1.5	5.1	13.4	15.2
VIII(a) Osteosarcoma	4.1	5.3	-	-	3.0	8.8	8.8
VIII(b) Chrondosarcoma	0.2	0.4	-	-	-	-	1.0
VIII(c) Ewing tumor and related sarcomas of bone	2.1	2.6	-	1.1	1.6	3.6	4.2
VIII(d) Other specified malignant bone tumors	0.3	0.5	-	-	-	-	1.0
VIII(e) Unspecified malignant bone tumors	-	-	-	-	-	-	-
IX Soft tissue and other extraosseous sarcomas	10.8	12.2	17.9	10.7	7.5	12.9	16.5
IX(a) Rhabdomyosarcoma	5.3	4.9	5.5	8.3	4.3	4.0	3.9
IX(b) Fibrosarcoma, peripheral nerve & other fibrous	1.3	1.5	5.6	-	0.9	1.6	2.0
IX(c) Kaposi sarcoma	-	-	-	-	-	-	-
IX(d) Other specified soft tissue sarcomas	3.4	4.9	5.1	1.6	1.9	6.0	9.2
IX(e) Unspecified soft-tissue sarcomas	0.8	0.9	-	-	-	1.3	1.3
X Germ cell & trophoblastic tumors & neo. of gonads	5.9	12.0	21.7	3.8	2.3	8.2	30.0
X(a) Intracranial and intraspinal germ-cell tumors	1.6	2.0	-	-	0.8	3.2	3.1
X(b) Extracranial & extragonadal germ cell tumors	1.6	1.7	14.9	1.8	-	-	2.0
X(c) Malignant gonadal germ cell tumors	2.5	7.7	3.8	1.8	1.2	4.0	23.3
X(d) Gonadal carcinomas	-	0.4	-	-	-	-	1.2
X(e) Other and unspecified malignant gonadal tumors	-	0.2	-	-	-	-	-
XI Other malignant epithelial neo. and melanomas	6.0	16.4	-	1.7	3.6	12.7	47.1
XI(a) Adrenocortical carcinoma	0.2	0.2	-	-	-	-	-
XI(b) Thyroid carcinoma	2.0	5.9	-	-	1.0	4.8	17.4
XI(c) Nasopharyngeal carcinoma	0.2	0.5	-	-	-	0.6	1.3
XI(d) Malignant melanoma	2.2	6.2	-	1.0	1.8	4.0	18.2
XI(e) Skin carcinoma	-	-	-	-	-	-	-
XI(f) Other and unspecified carcinomas	1.3	3.5	-	-	0.6	3.2	9.9
XII Other and unspecified malignant neo.	0.4	0.6	-	-	-	0.6	1.0
XII(a) Other specified malignant tumors	0.3	0.4	-	-	-	-	-
XII(b) Other unspecified malignant tumors	-	0.2	-	-	-	-	-
Not classified by ICCC	0.4	0.6	-	-	-	-	1.0

[a] SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

[b] International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005: Vol 103, No. 7 , pg 1457-1467.

[c] Classifications are shown for invasive cases only except as noted. For ICCC groups and subgroups that include *in situ* behavior, only invasive cases are shown.

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. Rate based on less than 16 cases for the time interval.

Neoplasms are abbreviated as neo.

Table XXIX-2

AGE-ADJUSTED SEER CANCER INCIDENCE RATES, 1975-2005, 1975-1981, 1982-1989, 1990-1997, 1998-2005[a]

By International Classification of Childhood Cancer(ICCC)[b] Selected Group and Subgroup[c] and Year of Diagnosis
Excluding benign brain and myelodysplastic syndromes
All Races, Males and Females, Ages 0-19

ICCC Group and Subgroup	1975-2005	1975-1981	1982-1989	1990-1997	1998-2005
All ICCC Groups Combined	155.2	141.2	154.3	158.5	164.1
I Leukemia	38.1	34.4	37.6	37.9	41.7
I(a) Lymphoid leukemia	28.4	24.9	28.6	28.3	31.2
I(b) Acute myeloid leukemia	6.9	6.0	6.0	7.4	8.0
II Lymphomas and reticuloendothelial neo.	24.1	24.2	25.3	23.9	23.2
II(a) Hodgkin lymphoma	13.1	14.2	14.6	12.8	11.2
II(b,c,e) Non-Hodgkin lymphoma	10.4	9.2	10.2	10.5	11.6
III CNS & misc intracranial & intraspinal neo.	27.4	23.4	26.6	29.2	29.4
III(a) Ependymomas and choroid plexus tumor	2.3	1.9	2.3	2.5	2.4
III(b) Astrocytoma	13.9	11.4	14.1	15.0	14.5
III(c) Intracranial and intraspinal embryonal tumors	5.5	4.4	4.8	6.0	6.4
III(d) Other gliomas	5.0	4.7	4.4	5.1	5.5
IV Neuroblastoma and other peripheral nervous cell tumors	8.4	7.9	8.4	8.5	8.7
IV(a) Neuroblastoma and ganglioneuroblastoma	8.2	7.8	8.1	8.2	8.5
V Retinoblastoma	3.0	2.7	3.0	3.3	3.1
VI Renal tumors	6.7	6.3	6.9	6.8	6.6
VI(a) Nephroblastoma and other nonepithelial renal tumor	6.2	5.9	6.6	6.4	5.9
VII Hepatic tumors	1.7	1.1	1.6	1.7	2.3
VII(a) Hepatoblastoma	1.2	0.6	1.2	1.3	1.7
VIII Malignant bone tumors	8.5	8.1	8.9	9.1	7.9
VIII(a) Osteosarcoma	4.6	4.0	4.9	5.1	4.5
VIII(c) Ewing tumor and related sarcomas of bone	2.9	3.0	3.1	3.0	2.5
IX Soft tissue and other extraosseous sarcomas	11.2	9.8	11.4	11.1	12.4
IX(a) Rhabdomyosarcoma	4.5	4.0	4.7	4.7	4.6
X Germ cell & trophoblastic tumors & neo. of gonads	10.3	8.9	10.1	11.0	11.1
X(a) Intracranial and intraspinal germ-cell tumor	1.4	0.9	1.0	1.9	1.8
X(c) Malignant gonadal germ cell tumor	1.7	1.6	1.7	1.7	1.6
XI Other malignant epithelial neo. and melanomas	15.0	13.6	13.7	15.1	17.1
XI(b) Thyroid carcinoma	5.4	4.7	5.3	5.1	6.3
XI(d) Malignant melanoma	5.0	4.3	4.3	5.3	6.1

[a] SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). Rates are per 1,000,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

[b] International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005: Vol 103, No. 7 , pg 1457-1467.

[c] Classifications are shown for invasive cases only except as noted. For ICCC groups and subgroups that include *in situ* behavior, only invasive cases are shown.

\- Statistic could not be calculated. Rate based on less than 16 cases for the time interval.

Neoplasms are abbreviated as neo.

Table XXIX-3

AGE-ADJUSTED SEER CANCER INCIDENCE TRENDS, 1975-2005, 1975-1989, 1990-2005[a]

By International Classification of Childhood Cancer(ICCC)[b] Selected Group and Subgroup[c]
Excluding benign brain and myelodysplastic syndromes
All Races, Males and Females

	Ages 0-14				Ages 0-19			
ICCC Group and Subgroup	% Change 1975-2005	APC 1975-2005	APC 1975-1989	APC 1990-2005	% Change 1975-2005	APC 1975-2005	APC 1975-1989	APC 1990-2005
All ICCC Groups Combined	38.3	0.6*	1.2*	0.4@	32.5	0.6*	1.2*	0.4#
I Leukemia	57.6	0.7*	1.5*	0.9	49.3	0.8*	1.3*	1.0*
I(a) Lymphoid leukemia	76.2	0.8*	1.9*	0.9	70.1	0.8*	1.9*	1.0*
I(b) Acute myeloid leukemia	49.4	1.3*	0.7	0.7	37.3	1.3*	0.1	0.9
II Lymphomas and reticuloendothelial neo.	0.4	-0.3	-0.5	0.5	-12.0	-0.2	0.4	-0.4
II(a) Hodgkin lymphoma	-25.9	-1.3*	-0.8	-1.3	-41.6	-1.1*	0.1	-1.9*#
II(b,c,e) Non-Hodgkin lymphoma	11.7	0.5	-0.1	1.6*	26.3	0.9*	1.0	1.3*
III CNS & misc intracranial & intraspinal neo.	44.9	1.0*	2.4*	-0.2#	40.8	0.9*	2.2*	-0.2#
III(a) Ependymomas and choroid plexus tumors	130.2	0.9	3.6	-0.4@	138.7	0.9	3.5	0.0@
III(b) Astrocytoma	83.8	1.2*	3.8*	-0.3#	71.2	0.9*	3.3*	-0.5#
III(c) Intracranial and intraspinal embryonal tum.	101.0	1.3*	1.0	-0.1	130.6	1.5*	1.1	0.3
III(d) Other gliomas	-26.4	0.4	-0.7	0.1	-33.5	0.6	-0.8	0.0
IV Neuroblastoma and other peripheral nervous cell tumors	32.8	0.5	0.2	0.9	33.9	0.4	0.4	0.8
IV(a) Neuroblastoma and ganglioneuroblastoma	32.8	0.5	0.0	1.0	32.3	0.4	0.2	1.0
V Retinoblastoma	13.7	0.4	0.7	-1.1	13.7	0.4	0.8	-1.2
VI Renal tumors	34.4	0.1	1.4	-0.7	34.6	0.2	1.3	-0.6
VI(a) Nephroblastoma and other nonepithelial renal tumors	34.2	-0.1	1.5	-0.7	37.2	-0.1	1.4	-0.9
VII Hepatic tumors	217.6	2.3*	2.3	2.5	238.2	2.0*	2.1	1.8
VII(a) Hepatoblastoma	414.1	2.9*	4.2	2.8	414.1	2.8*	4.4	2.8
VIII Malignant bone tumors	30.5	-0.1	1.5	-1.3#	12.3	0.0	1.7*	-1.0#
VIII(a) Osteosarcoma	121.6	0.6	2.9*	-1.3#	50.5	0.6	3.0*	-0.8#
VIII(c) Ewing tum. and related sarcomas of bone	-8.5	-1.2*	0.8	-2.2	1.8	-0.7	1.3	-1.4
IX Soft tissue and other extraosseous sarcomas	41.9	0.6	1.1	0.2	82.3	0.8*	1.2	1.2
IX(a) Rhabdomyosarcoma	36.6	0.4	2.2	-0.5@	61.0	0.5	2.2	0.1
X Germ cell & trophoblastic tum. & neo. of gonads	60.7	1.2*	2.4	1.2	42.7	1.0*	1.5*	0.6
X(a) Intracranial and intraspinal germ-cell tum.	31.1	-	-	0.2	57.7	2.9*	2.1	0.2
X(c) Malignant gonadal germ cell tumors	1324.1	2.1*	6.5*	2.0	93.9	0.5	2.6	1.2
XI Other malignant epithelial neo. and melanomas	8.7	0.9*	-0.6	1.7@	36.0	1.0*	0.2	1.2
XI(b) Thyroid carcinoma	0.8	0.4	0.1	0.8	29.5	1.0*	0.8	1.5
XI(d) Malignant melanoma	47.3	2.1*	0.4	3.2*	84.3	1.7*	1.3	1.5

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

[a] SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

[b] International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005: Vol 103, No. 7 , pg 1457-1467.

[c] Classifications are shown for invasive cases only except as noted. For ICCC groups and subgroups that include *in situ* behavior, only invasive cases are shown.

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

\# The APC for 1990-2005 is significantly different from the APC for 1975-1989 (p<.05).

@ The APC for 1990-2005 is significantly different from the APC for 1975-1989 (p<.10).

\- Statistic could not be calculated. Trend based on less than 10 cases for at least one year within the time interval.

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

Table XXIX-4

AGE-ADJUSTED SEER CANCER INCIDENCE TRENDS, 1975-2005, 1975-1989, 1990-2005[a]

By International Classification of Childhood Cancer(ICCC)[b] Selected Group and Subgroup[c]
Excluding benign brain and myelodysplastic syndromes
All Races, Males

	Ages 0-14				Ages 0-19			
ICCC Group and Subgroup	% Change 1975-2005	APC 1975-2005	APC 1975-1989	APC 1990-2005	% Change 1975-2005	APC 1975-2005	APC 1975-1989	APC 1990-2005
All ICCC Groups Combined	36.7	0.6*	1.3*	0.3#	34.7	0.7*	1.3*	0.4#
I Leukemia	51.5	0.8*	1.5*	1.2*	45.0	0.8*	1.2*	1.3*
I(a) Lymphoid leukemia	80.3	0.9*	2.0*	1.0	76.4	0.9*	2.0*	1.1
I(b) Acute myeloid leukemia	33.4	1.8*	0.2	1.6	32.9	1.6*	-1.1	2.2*#
II Lymphomas and reticuloendothelial neo.	-12.1	-0.6*	-0.3	-0.2	-13.7	-0.3	0.4	-0.4
II(a) Hodgkin lymphoma	-31.0	-1.5*	-0.1	-1.6	-41.6	-1.2*	0.1	-1.6*
II(b,c,e) Non-Hodgkin lymphoma	-9.0	0.0	-0.3	0.1	13.6	0.6*	0.7	0.5
III CNS & misc intracranial & intraspinal neo.	69.9	1.1*	2.7*	-0.4#	54.7	1.0*	2.4*	-0.4#
III(a) Ependymomas and choroid plexus tumors	108.9	0.2	2.3	-3.4*#	151.8	0.3	2.1	-2.7*@
III(b) Astrocytoma	97.3	1.1*	3.7*	-0.9#	72.5	0.8*	3.1*	-0.8#
III(c) Intracranial and intraspinal embryonal tum.	229.3	1.4*	0.9	-0.3	240.6	1.6*	1.1	0.0
III(d) Other gliomas	11.8	1.0	1.4	1.8	-6.7	1.1*	0.5	0.8
IV Neuroblastoma and other peripheral nervous cell tumors	41.6	0.4	0.6	0.0	40.2	0.5	1.0	0.0
IV(a) Neuroblastoma and ganglioneuroblastoma	41.6	0.5	0.3	0.1	40.2	0.5	0.7	0.2
V Retinoblastoma	17.7	1.1	1.5	-0.3	17.7	1.1	1.7	-0.4
VI Renal tumors	23.5	0.2	1.9	-1.5@	21.4	0.3	1.5	-1.1
VI(a) Nephroblastoma and other nonepithelial renal tumors	33.3	0.2	2.0	-1.4@	33.3	0.1	1.9	-1.5#
VII Hepatic tumors	192.4	2.6*	2.4	1.5	220.0	2.4*	1.5	0.9
VII(a) Hepatoblastoma	256.0	3.0*	4.0	2.3	256.0	3.0*	4.4	2.3
VIII Malignant bone tumors	7.4	0.1	2.3	-1.8	1.2	0.3	2.5*	-1.9#
VIII(a) Osteosarcoma	119.5	0.4	3.9	-2.7#	99.6	0.9	4.4*	-1.4#
VIII(c) Ewing tum. and related sarcomas of bone	-22.2	-0.6	1.0	-1.7	-41.1	-0.6	0.6	-2.6
IX Soft tissue and other extraosseous sarcomas	37.1	0.7*	1.3	0.6	57.5	0.8*	1.7	1.2
IX(a) Rhabdomyosarcoma	38.8	0.3	3.4*	-0.6#	55.7	0.3	3.2	-0.2@
X Germ cell & trophoblastic tum. & neo. of gonads	93.5	1.7*	1.3	2.5	118.8	1.5*	1.7	1.6
X(a) Intracranial and intraspinal germ-cell tum.	38.7	-	-	1.3	51.1	3.3*	1.5	1.0
X(c) Malignant gonadal germ cell tum. (testis)	692.6	2.4*	2.9	5.6	226.3	0.4	3.4	4.8
XI Other malignant epithelial neo. and melanomas	-34.0	0.5	-1.0	0.2	35.5	1.1*	0.3	1.6
XI(b) Thyroid carcinoma	52.2	-	-	-	30.6	0.2	-0.5	2.2
XI(d) Malignant melanoma	-76.9	1.4	-2.6	2.4	21.5	1.8*	1.0	1.6

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

[a] SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

[b] International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005: Vol 103, No. 7 , pg 1457-1467.

[c] Classifications are shown for invasive cases only except as noted. For ICCC groups and subgroups that include *in situ* behavior, only invasive cases are shown.

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

\# The APC for 1990-2005 is significantly different from the APC for 1975-1989 (p<.05).

@ The APC for 1990-2005 is significantly different from the APC for 1975-1989 (p<.10).

\- Statistic could not be calculated. Trend based on less than 10 cases for at least one year within the time interval.

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

Table XXIX-5

AGE-ADJUSTED SEER CANCER INCIDENCE TRENDS, 1975-2005, 1975-1989, 1990-2005[a]

By International Classification of Childhood Cancer(ICCC)[b] Selected Group and Subgroup[c]
Excluding benign brain and myelodysplastic syndromes
All Races, Females

	Ages 0-14				Ages 0-19			
ICCC Group and Subgroup	% Change 1975-2005	APC 1975-2005	APC 1975-1989	APC 1990-2005	% Change 1975-2005	APC 1975-2005	APC 1975-1989	APC 1990-2005
All ICCC Groups Combined	40.3	0.6*	1.1*	0.5	30.0	0.5*	1.0*	0.3
I Leukemia	67.2	0.6*	1.6	0.5	55.7	0.7*	1.4	0.6
I(a) Lymphoid leukemia	70.0	0.7*	1.8	0.7	60.8	0.8*	1.9	0.9
I(b) Acute myeloid leukemia	69.7	0.6	1.6	-0.7	42.8	0.9*	1.5	-0.8@
II Lymphomas and reticuloendothelial neo.	25.1	0.1	-1.2	1.9@	-9.6	-0.1	0.4	-0.3
II(a) Hodgkin lymphoma	-19.2	-1.1*	-2.2	-1.6	-41.7	-0.9*	0.0	-2.2*
II(b,c,e) Non-Hodgkin lymphoma	70.2	1.7*	0.6	5.0*@	52.9	1.6*	1.6	3.2*
III CNS & misc intracranial & intraspinal neo.	21.7	0.9*	2.1	0.0	25.8	0.8*	2.0	0.0@
III(a) Ependymomas and choroid plexus tumors	160.0	1.3	3.5	3.2	125.7	1.2	3.3	3.6
III(b) Astrocytoma	70.9	1.4*	3.9*	0.3#	69.5	0.9*	3.5*	-0.1#
III(c) Intracranial and intraspinal embryonal tum.	30.6	0.9	0.9	0.0	59.5	1.3*	1.1	0.5
III(d) Other gliomas	-61.4	-0.5	-3.2*	-1.8	-61.8	0.0	-2.2	-0.9
IV Neuroblastoma and other peripheral nervous cell tumors	25.2	0.5	-0.4	1.9	28.3	0.4	-0.5	1.9
IV(a) Neuroblastoma and ganglioneuroblastoma	25.2	0.5	-0.4	2.1	25.2	0.4	-0.5	2.0
V Retinoblastoma	8.2	-0.3	-0.6	-2.3	8.2	-0.2	-0.6	-2.2
VI Renal tumors	46.8	-0.1	0.8	0.0	50.2	0.0	1.0	-0.3
VI(a) Nephroblastoma and other nonepithelial renal tumors	35.1	-0.3	0.9	-0.1	41.1	-0.3	1.0	-0.4
VII Hepatic tumors	290.0	2.1*	1.9	4.8	290.0	1.8	2.8	4.0
VII(a) Hepatoblastoma	-	-	-	3.5	-	-	-	3.5
VIII Malignant bone tumors	63.5	-0.3	0.8	-1.4	26.1	-0.3	0.5	-0.1
VIII(a) Osteosarcoma	123.5	0.6	1.8	-0.8	18.3	0.0	1.0	-0.3
VIII(c) Ewing tum. and related sarcomas of bone	11.1	-1.7	1.2	-2.3	120.2	-0.7	2.6	0.3
IX Soft tissue and other extraosseous sarcomas	47.0	0.5	1.0	-0.2	110.1	0.7	0.8	1.4
IX(a) Rhabdomyosarcoma	33.9	0.4	0.5	-0.3	66.9	0.8	0.5	0.5
X Germ cell & trophoblastic tum. & neo. of gonads	27.6	0.7	3.3	-0.4@	-20.7	0.0	1.1	-1.4
X(a) Intracranial and intraspinal germ-cell tum.	-4.1	-	-	-2.3	97.1	-	-	-1.7
X(c) Malignant gonadal germ cell tum. (ovary)	-	-	-	0.3	13.2	0.6	2.0	-1.1
XI Other malignant epithelial neo. and melanomas	41.2	1.1*	-0.1	2.6*@	37.1	0.9*	0.2	1.0
XI(b) Thyroid carcinoma	-11.9	0.5	1.4	1.7	30.1	1.2*	1.3	1.2
XI(d) Malignant melanoma	213.6	-	-	3.7	154.2	1.5*	1.4	1.2

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

[a] SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

[b] International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005: Vol 103, No. 7 , pg 1457-1467.

[c] Classifications are shown for invasive cases only. Groups and subgroups that include *in situ* behavior reflect only invasive cases.

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

\# The APC for 1990-2005 is significantly different from the APC for 1975-1989 (p<.05).

@ The APC for 1990-2005 is significantly different from the APC for 1975-1989 (p<.10).

\- Statistic could not be calculated. Trend based on less than 10 cases for at least one year within the time interval.

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

Table XXIX-6

5-YEAR RELATIVE SURVIVAL RATES, 1996-2004[a]

By International Classification of Childhood Cancer(ICCC)[b] Selected Group and Subgroup[c] and Sex and Age
Excluding benign brain and myelodysplastic syndromes

	Ages 0-19 by Sex			Both Sexes by Age					
ICCC Group & Subgroup	Total	Male	Female	<1	1-4	5-9	10-14	15-19	0-14
All ICCC Groups Combined	78.7	77.2	80.4	73.3	81.1	78.0	78.1	78.7	78.7
I Leukemia	76.8	75.6	78.2	55.0	86.9	82.6	71.8	53.8	80.9
I(a) Lymphoid leukemia	82.8	81.2	84.9	52.4	91.2	86.8	77.3	57.5	86.2
I(b) Acute myeloid leukemia	54.1	54.6	53.6	52.9	60.2	58.4	56.9	44.6	57.5
II Lymphomas and reticuloendothelial neo.	87.5	87.0	88.1	57.0[d]	83.5	89.5	88.8	87.8	87.1
II(a) Hodgkin lymphoma	94.7	95.2	94.1	-	96.7	93.9	94.9	94.6	94.8
II(b,c,e) Non-Hodgkin lymphoma	80.6	80.6	80.5	-	81.6	87.2	82.8	75.8	83.6
III CNS & misc intracranial & intraspinal neo.	71.8	70.8	73.0	47.8	72.5	69.4	77.9	73.8	71.3
III(a) Ependymomas and choroid plexus tumor	72.0	68.2	78.0	45.4[e]	69.2	71.8[d]	77.7[d]	89.4	69.0
III(b) Astrocytoma	83.1	81.0	85.3	70.2[d]	91.6	82.5	83.2	74.9	85.0
III(c) Intracranial and intraspinal embryonal tumors	64.4	65.6	62.7	28.9[d]	56.3	76.1	76.2	65.6	64.2
III(d) Other gliomas	53.4	55.3	51.3	49.0[e]	47.2	33.5	66.1	76.3	47.4
IV Neuroblastoma and other peripheral nervous cell tumors	70.5	69.4	71.6	90.0	62.8	50.0[d]	69.1[d]	69.4[e]	70.5
IV(a) Neuroblastoma and ganglioneuroblastoma	70.3	69.2	71.4	90.0	62.8	48.7[d]	67.6[e]	-	70.4
V Retinoblastoma	97.2	97.0	97.5	99.5	95.3	100.0	-	-	97.2
VI Renal tumors	87.6	88.7	86.6	84.7	90.5	87.6	64.1[d]	80.4[d]	88.0
VI(a) Nephroblastoma and other nonepithelial renal tumor	88.5	90.1	87.0	84.7	90.7	86.9	72.1[e]	-	88.6
VII Hepatic tumors	52.4	49.0	56.8	68.9[d]	66.7	32.6[e]	14.6[d]	20.4[d]	58.2
VII(a) Hepatoblastoma	64.9	60.3	71.8	71.0[d]	66.7	40.8[e]	-	-	65.2
VIII Malignant bone tumors	65.2	63.8	67.3	-	58.9[d]	73.9	65.2	62.3	67.3
VIII(a) Osteosarcoma	65.9	63.2	69.8	-	-	71.9[d]	66.6	63.4	67.6
VIII(c) Ewing tumor and related sarcomas of bone	58.6	58.6	58.8	-	62.7[e]	76.1[d]	57.7	50.8[d]	63.6
IX Soft tissue and other extraosseous sarcomas	69.2	68.4	70.2	62.0[d]	71.3	73.5	71.4	65.9	70.8
IX(a) Rhabdomyosarcoma	59.8	62.4	56.1	54.5[d]	69.6	67.3	53.5	42.5	63.9
X Germ cell & trophoblastic tumors & neo. of gonads	90.2	89.5	91.3	84.1	90.6	90.4	91.0	90.7	89.2
X(a) Intracranial and intraspinal germ-cell tumor	84.8	86.3	80.4[d]	-	-	93.5	86.2	83.0	85.6
X(c) Malignant gonadal germ cell tumor	95.3	94.2	97.5	100.0	95.3	97.7	98.3	94.5	98.0
XI Other malignant epithelial neo. and melanomas	90.2	85.1	92.8	-	95.1	87.0	90.3	90.4	89.8
XI(b) Thyroid carcinoma	98.3	94.8	99.1	-	-	100.0	97.1	98.6	97.6
XI(d) Malignant melanoma	94.1	93.5	94.5	-	92.2[d]	93.1	92.8	94.7	92.7

[a] SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey contribute cases for diagnosis years 2000-2004. The remaining 13 SEER Areas contribute cases for the entire period 1996-2004. Rates are based on follow-up of patients into 2005.

[b] International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005: Vol 103, No. 7 , pg 1457-1467.

[c] Classifications are shown for invasive cases only except as noted. For ICCC groups and subgroups that include *in situ* behavior, only invasive cases are shown.

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

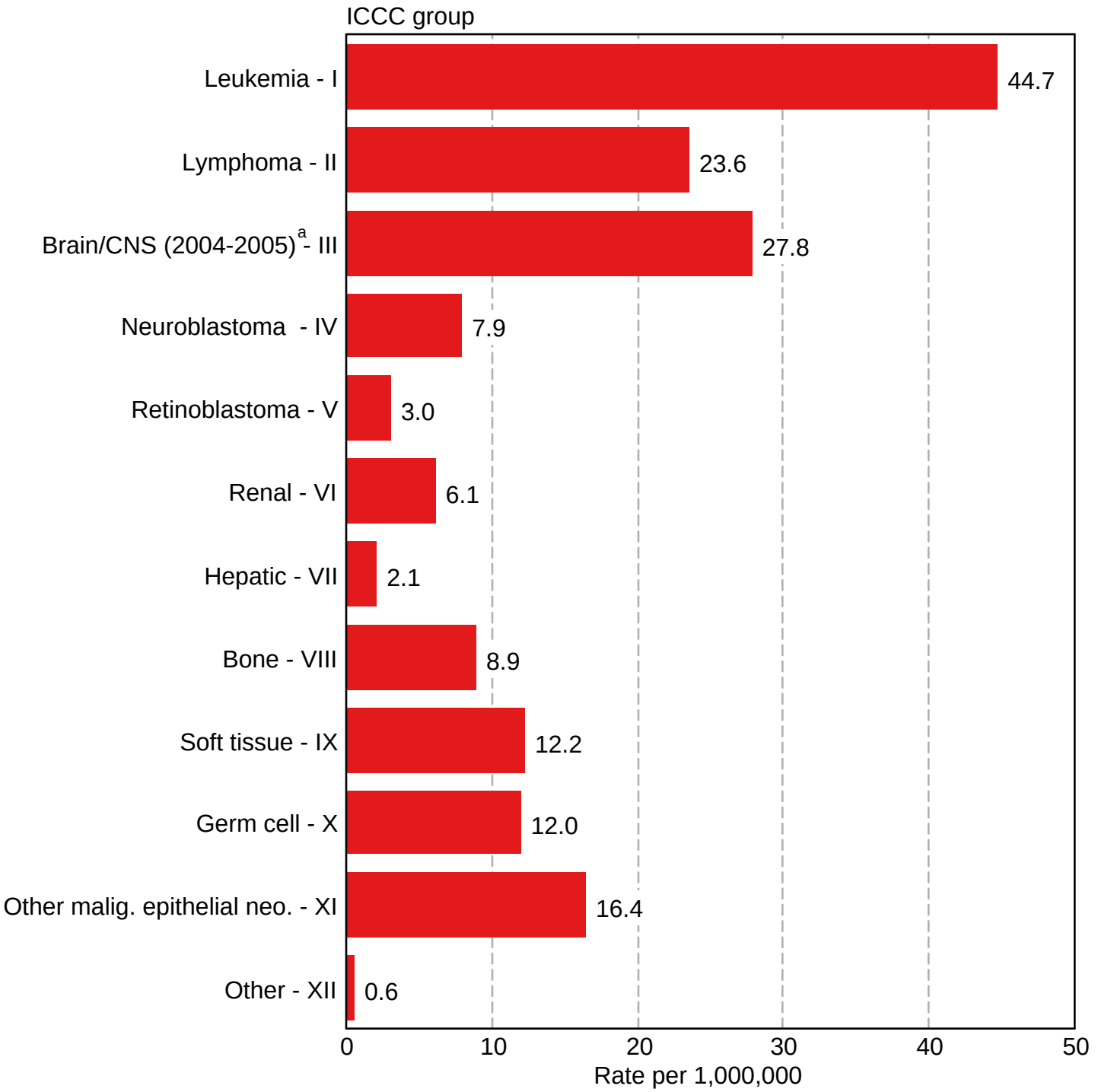
[e] The standard error of the survival rate is greater than 10 percentage points.

- Statistic could not be calculated due to fewer than 16 cases during the time period.

Neoplasms are abbreviated as neo.

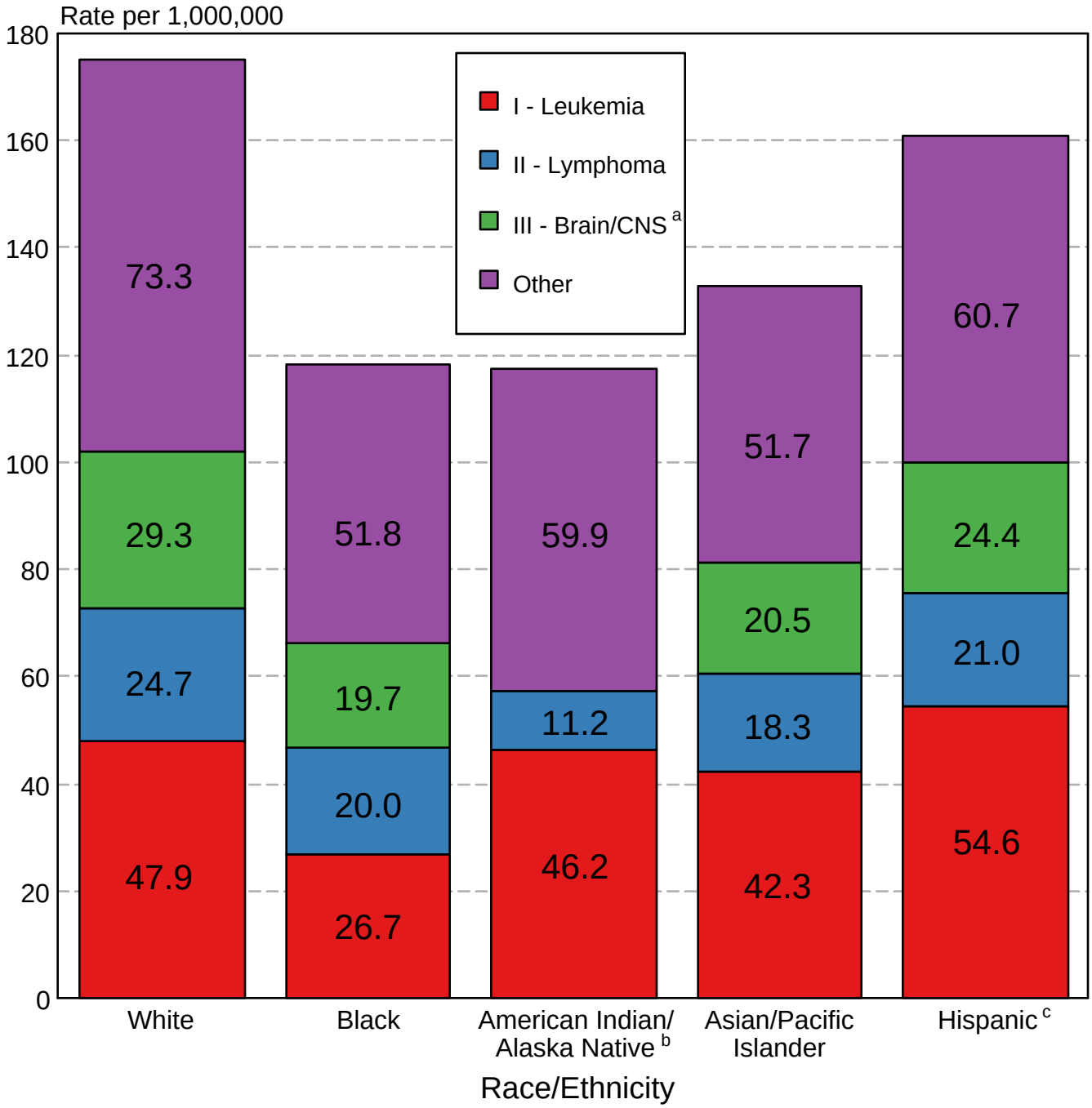
Survival rates are relative rates expressed as percents.

Childhood Cancer : SEER Incidence Rates 2001-2005 by ICCC Group (includes Group III benign brain (2004-2005) and myelodysplastic syndromes) Under 20 Years of Age, Both Sexes, All Races



Source: SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P.
[a] International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005: Vol 103, No. 7 , pg 1457-1467.
Rate for Group III (Brain/CNS) includes benign brain tumors and is based only on cases diagnosed in 2004-2005.

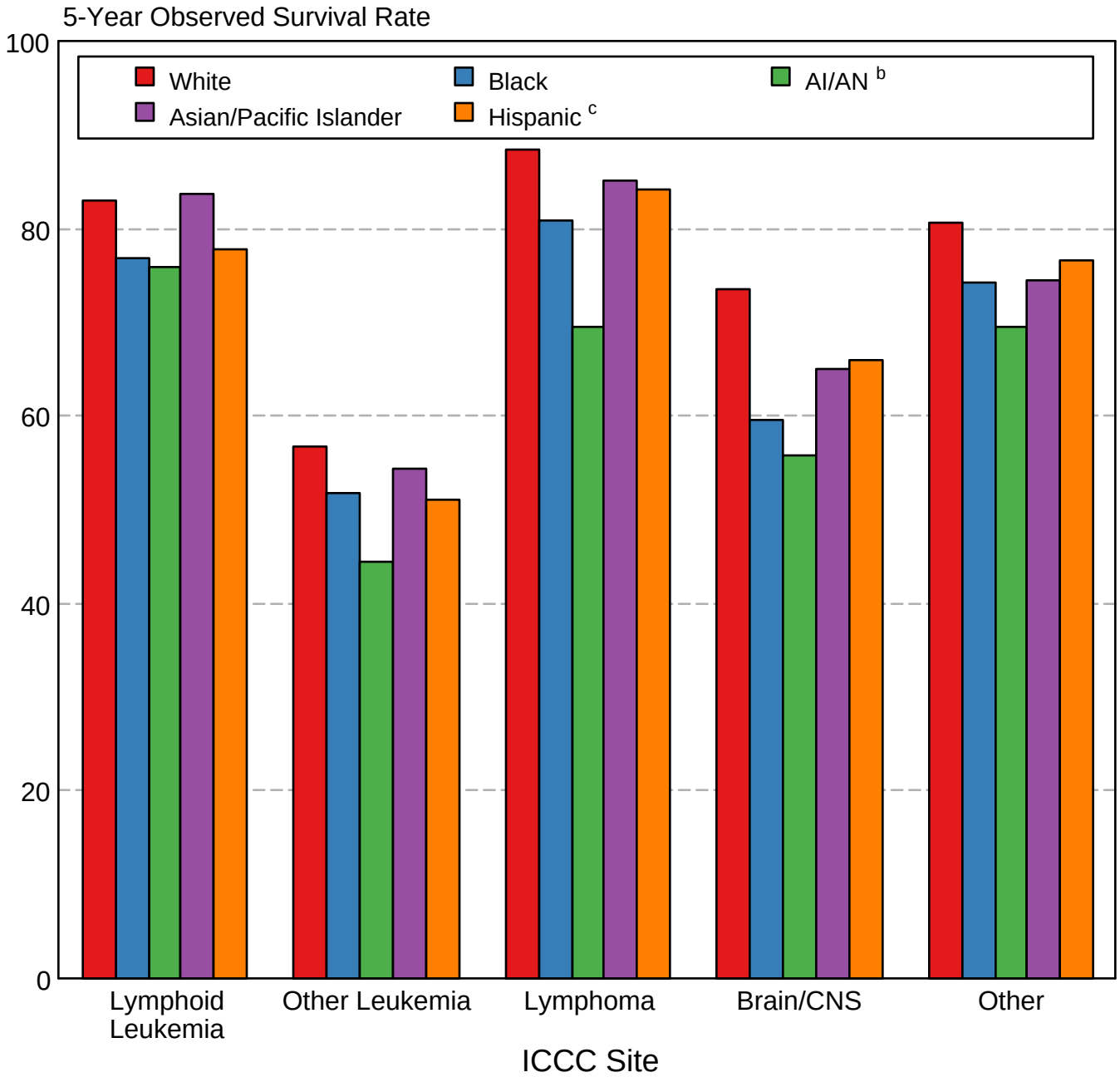
Childhood Cancer: SEER Incidence Rates 2001-2005 by ICCC Group (includes Group III benign brain (2004-2005) and myelodysplastic syndromes) and Race/Ethnicity Both Sexes, Under 20 Years of Age



Source: SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey). 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.
International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005: Vol 103, No. 7 , pg 1457-1467.

[a] Rate for Group III (Brain/CNS) includes benign brain tumors and is based only on cases diagnosed in 2004-2005.
[b] Incidence rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
[c] Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky.

Childhood Cancer: SEER Survival Rates 1996-2004
5-Year Observed Survival Rates
by ICCC Group [a] and Race/Ethnicity
Both Sexes, Under 20 Years of Age



Source: SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey). California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey contribute cases for diagnosis years 2000-2004. The remaining 13 SEER Areas contribute cases for the entire period 1996-2004.
International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005: Vol 103, No. 7 , pg 1457-1467.

[a] Excludes myelodysplastic sydromes (MDS) and benign brain tumors.

[b] American Indian/Alaska Native. Survival data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

[c] Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Survival data for Hispanics are based on NHIA and excludes cases from the Alaska Native Registry and Kentucky.