Table 29.1

Age-Adjusted and Age-Specific SEER Cancer Incidence Rates, 2008-2012^a

By International Classification of Childhood Cancer(ICCC)^b Group and Subgroup^c and Age at Diagnosis

Including myelodysplastic syndromes and Group III benign brain/CNS tumors

All Races, Males and Females

| ICCC Group and Subgroup | 0-14 | 0-19 | <1_ | 1-4 | <u>5-9</u> | 10-14 | 15-19 |
|--|-------|-------|-------|-------|------------|-------|-------|
| All ICCC Groups Combined | | | | | | | |
| Excluding Group III benign brain/CNS tumors | 161.8 | 177.3 | 237.0 | 220.5 | 128.3 | 136.4 | 223.5 |
| Including Group III benign brain/CNS tumors ^d | 173.0 | 193.2 | 247.9 | 228.1 | 137.6 | 152.3 | 253.1 |
| I Leukemia (includes myelodysplastic syndromes) | 54.1 | 49.1 | 50.4 | 94.5 | 44.2 | 33.9 | 34.2 |
| I(a) Lymphoid leukemia | 41.2 | 35.3 | 19.6 | 78.2 | 36.5 | 22.0 | 17.7 |
| I(b) Acute myeloid leukemia | 8.4 | 8.8 | 19.0 | 11.7 | 4.6 | 7.6 | 10.0 |
| I(c) Chronic myeloproliferative diseases | 1.5 | 2.2 | 3.3 | 0.8 | 0.8 | 2.3 | 4.2 |
| I(d) Myelodysplastic syndrome and other myeloproliferative | 1.5 | 1.4 | 5.4 | 1.8 | 0.9 | 0.9 | 1.4 |
| I(e) Unspecified and other specified leukemias | 1.5 | 1.4 | 3.1 | 2.0 | 1.3 | 1.0 | 1.0 |
| II Lymphomas and reticuloendothelial neoplasms | 16.7 | 24.9 | 4.7 | 9.0 | 16.1 | 25.5 | 49.5 |
| II(a) Hodgkin lymphoma | 6.0 | 12.4 | - | 1.2 | 4.6 | 12.0 | 31.7 |
| II(b) Non-Hodgkin lymphoma (except Burkitt lymphoma) | 7.5 | 9.3 | - | 5.4 | 7.4 | 10.2 | 14.6 |
| II(c) Burkitt lymphoma | 2.5 | 2.5 | - | 1.5 | 3.4 | 2.8 | 2.4 |
| II(d) Miscellaneous lymphoreticular neoplasms | 0.6 | 0.5 | - | 0.8 | - | - | - |
| II(e) Unspecified lymphomas | 0.2 | 0.3 | _ | _ | _ | - | 0.6 |
| III CNS and misc intracranial and intraspinal $neoplasms^d$ | 44.6 | 46.3 | 46.6 | 49.6 | 43.7 | 41.3 | 51.2 |
| III(a) Ependymomas and choroid plexus tumor | 4.0 | 3.7 | 8.9 | 6.9 | 2.5 | 2.3 | 2.9 |
| III(b) Astrocytoma | 17.5 | 16.3 | 14.6 | 19.9 | 17.9 | 15.8 | 12.8 |
| III(c) Intracranial and intraspinal embryonal tumors | 7.3 | 6.1 | 12.2 | 10.5 | 7.4 | 3.9 | 2.6 |
| III(d) Other gliomas | 5.8 | 5.4 | 2.8 | 5.6 | 7.6 | 4.6 | 4.2 |
| <pre>III(e) Other specified intracranial/intraspinal neoplasms</pre> | 8.9 | 13.3 | 6.4 | 5.8 | 7.4 | 13.2 | 26.6 |
| III(f) Unspecified intracranial and intraspinal neoplasms | 1.2 | 1.4 | - | 0.8 | 1.0 | 1.6 | 2.0 |
| IV Neuroblastoma and other peripheral nervous cell tumor | 10.3 | 7.9 | 49.2 | 20.7 | 4.0 | 1.3 | 0.9 |
| IV(a) Neuroblastoma and ganglioneuroblastoma | 10.1 | 7.7 | 49.2 | 20.5 | 3.8 | 1.1 | - |
| IV(b) Other peripheral nervous cell tumors | - | 0.2 | - | - | - | - | - |
| V Retinoblastoma | 4.3 | 3.2 | 29.2 | 8.7 | - | - | - |
| VI Renal tumors | 8.1 | 6.6 | 14.8 | 19.0 | 5.6 | 1.0 | 2.1 |
| VI(a) Nephroblastoma and other nonepithelial renal tumor | 7.8 | 5.9 | 14.3 | 18.8 | 5.4 | 0.6 | - |
| VI(b) Renal carcinoma | 0.2 | 0.6 | _ | - | - | - | 1.7 |
| VI(c) Unspecified malignant renal tumors | | - | - | - | - | - | - |

SEER 18 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, New Jersey and Georgia excluding ATL/RG).

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.

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 except as noted.

d Group III and Group III subgroups include benign brain/CNS tumors.

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.

Table 29.1 - continued

Age-Adjusted and Age-Specific SEER Cancer Incidence Rates, 2008-2012^a

By International Classification of Childhood Cancer(ICCC)^b Group and Subgroup^c and Age at Diagnosis

Including myelodysplastic syndromes and Group III benign brain/CNS tumors

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 | 2.9 | 2.5 | 11.1 | 6.7 | 0.7 | 0.8 | 1.2 |
| VII(a) Hepatoblastoma | 2.5 | 1.9 | 11.0 | 6.5 | _ | - | _ |
| VII(b) Hepatic carcinoma | 0.4 | 0.6 | - | - | _ | 0.6 | 1.1 |
| VII(c) Unspecified malignant hepatic tumors | - | - | - | - | - | - | - |
| VIII Malignant bone tumors | 7.5 | 9.1 | - | 1.9 | 6.3 | 14.4 | 13.8 |
| VIII(a) Osteosarcoma | 4.4 | 5.3 | - | - | 3.5 | 9.1 | 8.0 |
| VIII(b) Chrondosarcoma | 0.2 | 0.4 | - | - | - | - | 1.0 |
| VIII(c) Ewing tumor and related sarcomas of bone | 2.5 | 2.8 | - | 1.1 | 2.4 | 4.2 | 3.7 |
| VIII(d) Other specified malignant bone tumors | 0.3 | 0.4 | - | - | - | - | 0.8 |
| VIII(e) Unspecified malignant bone tumors | - | 0.2 | - | - | - | - | - |
| IX Soft tissue and other extraosseous sarcomas | 11.3 | 12.5 | 19.0 | 11.4 | 9.4 | 11.7 | 16.2 |
| IX(a) Rhabdomyosarcoma | 5.3 | 4.9 | 5.0 | 7.7 | 5.0 | 3.9 | 3.6 |
| IX(b) Fibrosarcoma, peripheral nerve & other fibrous | 1.0 | 1.1 | 4.3 | 0.7 | 0.6 | 0.8 | 1.6 |
| IX(c) Kaposi sarcoma | - | - | - | - | - | - | - |
| <pre>IX(d) Other specified soft tissue sarcomas</pre> | 3.8 | 5.1 | 6.3 | 2.2 | 3.0 | 5.3 | 8.8 |
| IX(e) Unspecified soft-tissue sarcomas | 1.2 | 1.4 | 3.0 | 0.8 | 0.7 | 1.6 | 2.0 |
| X Germ cell & trophoblastic tumors & neoplasms of gonads | 5.8 | 12.3 | 18.6 | 3.7 | 3.3 | 7.5 | 31.5 |
| X(a) Intracranial and intraspinal germ-cell tumors | 1.9 | 2.2 | - | - | 2.1 | 2.8 | 3.3 |
| X(b) Extracranial & extragonadal germ cell tumors | 1.3 | 1.5 | 11.8 | 1.2 | - | 0.7 | 1.9 |
| X(c) Malignant gonadal germ cell tumors | 2.7 | 8.2 | 5.6 | 2.2 | 1.2 | 4.1 | 24.6 |
| X(d) Gonadal carcinomas | - | 0.4 | - | - | - | - | 1.5 |
| X(e) Other and unspecified malignant gonadal tumors | - | 0.2 | - | - | - | - | 0.6 |
| XI Other malignant epithelial neoplasms and melanomas $^{ m d}$ | 6.8 | 18.1 | - | 2.0 | 3.7 | 14.5 | 51.8 |
| XI(a) Adrenocortical carcinoma | 0.3 | 0.3 | - | - | - | - | - |
| XI(b) Thyroid carcinoma | 2.9 | 8.9 | - | - | 1.2 | 7.1 | 26.7 |
| XI(c) Nasopharyngeal carcinoma | 0.3 | 0.6 | - | - | - | 0.9 | 1.3 |
| XI(d) Malignant melanoma | 1.6 | 4.0 | - | 1.0 | 1.2 | 2.7 | 11.1 |
| XI(e) Skin carcinoma | - | - | - | - | - | - | - |
| XI(f) Other and unspecified carcinomas ^d | 1.6 | 4.2 | - | - | 0.9 | 3.4 | 12.3 |
| XII Other and unspecified malignant neoplasms | 0.5 | 0.6 | - | 0.9 | - | - | 0.8 |
| XII(a) Other specified malignant tumors | 0.3 | 0.3 | - | - | - | - | - |
| XII(b) Other unspecified malignant tumors | 0.2 | 0.3 | - | - | - | - | - |
| Not classified by ICCC | 0.3 | 0.3 | - | - | - | - | - |

SEER 18 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, New Jersey and Georgia excluding ATL/RG).

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.

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 except as noted.

d Includes in situ urinary bladder tumors.

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.

Table 29.2

Age-Adjusted SEER Cancer Incidence Ratesa

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

| ICCC Group and Subgroup | 1975-2012 | 1975-1984 | 1985-1993 | 1994-2003 | 2004-2012 |
|--|-----------|-----------|-----------|-----------|-----------|
| All ICCC Groups Combined | 159.7 | 143.8 | 159.2 | 162.4 | 172.9 |
| I Leukemia | 39.1 | 34.9 | 38.4 | 39.8 | 43.0 |
| I(a) Lymphoid leukemia | 29.3 | 25.7 | 28.6 | 30.1 | 32.3 |
| I(b) Acute myeloid leukemia | 7.1 | 5.9 | 6.9 | 7.6 | 8.0 |
| II Lymphomas and reticuloendothelial neoplasms | 24.7 | 24.6 | 24.7 | 23.7 | 26.0 |
| II(a) Hodgkin lymphoma | 13.2 | 14.4 | 13.9 | 11.9 | 12.5 |
| II(b,c,e) Non-Hodgkin lymphoma | 11.0 | 9.5 | 10.1 | 11.3 | 13.0 |
| III CNS & misc intracranial & intraspinal neoplasms | 28.3 | 23.1 | 29.8 | 29.7 | 30.3 |
| III(a) Ependymomas and choroid plexus tumor | 2.4 | 1.8 | 2.6 | 2.4 | 2.7 |
| III(b) Astrocytoma | 14.3 | 11.7 | 15.7 | 14.6 | 15.3 |
| III(c) Intracranial and intraspinal embryonal tumors | 5.6 | 4.3 | 5.4 | 6.5 | 6.1 |
| III(d) Other gliomas | 5.1 | 4.4 | 5.1 | 5.5 | 5.5 |
| IV Neuroblastoma and other peripheral nervous cell tumors | 8.5 | 8.1 | 8.4 | 8.4 | 9.1 |
| IV(a) Neuroblastoma and ganglioneuroblastoma | 8.3 | 8.0 | 8.1 | 8.1 | 8.8 |
| V Retinoblastoma | 3.1 | 2.8 | 3.3 | 3.1 | 3.0 |
| VI Renal tumors | 6.6 | 6.5 | 6.8 | 6.8 | 6.3 |
| VI(a) Nephroblastoma and other nonepithelial renal tumor | 6.1 | 6.2 | 6.3 | 6.3 | 5.6 |
| VII Hepatic tumors | 1.9 | 1.3 | 1.6 | 2.1 | 2.5 |
| VII(a) Hepatoblastoma | 1.3 | 0.9 | 1.2 | 1.5 | 1.7 |
| VIII Malignant bone tumors | 8.6 | 8.2 | 8.9 | 8.7 | 8.6 |
| VIII(a) Osteosarcoma | 4.7 | 4.2 | 4.9 | 5.0 | 4.7 |
| VIII(c) Ewing tumor and related sarcomas of bone | 2.9 | 3.1 | 3.0 | 2.7 | 2.9 |
| IX Soft tissue and other extraosseous sarcomas | 11.6 | 10.4 | 11.1 | 11.9 | 13.0 |
| IX(a) Rhabdomyosarcoma | 4.6 | 4.1 | 4.7 | 4.7 | 4.8 |
| X Germ cell & trophoblastic tumors & neoplasms of gonads | 10.6 | 9.3 | 10.4 | 10.9 | 11.8 |
| X(a) Intracranial and intraspinal germ-cell tumor | 1.4 | 0.9 | 1.3 | 1.9 | 1.7 |
| X(c) Malignant gonadal germ cell tumor | 6.8 | 5.9 | 6.5 | 6.9 | 7.9 |
| XI Other malignant epithelial neoplasms and melanomas ^d | 16.1 | 13.7 | 15.1 | 16.7 | 18.9 |
| XI(b) Thyroid carcinoma | 6.1 | 4.9 | 5.3 | 6.1 | 8.0 |
| XI(d) Malignant melanoma | 5.1 | 3.9 | 5.3 | 5.6 | 5.6 |

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).

International Classification of Childhood Cancer is based on ICD-0-3. 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. 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 except as noted.

Includes in situ urinary bladder tumors.

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

Age-Adjusted SEER Cancer Incidence Trends, 1975-2012a By International Classification of Childhood Cancer(ICCC)^b Selected Group and Subgroup^c Excluding benign brain and myelodysplastic syndromes

All Races, Males and Females

Table 29.3

| | | Ages | 0-14 | | Ages 0-19 | | | | | |
|--|--------------------------------|----------------------------------|---------------------------------|--|------------------------------------|-----------------------------------|---------------------------------|---|--|--|
| ICCC Group and Subgroup | % Change 1975-2012 | APC 1975-2012 | APC 1975-1993 | APC 1994-2012 | % Change 1975-2012 | APC 1975-2012 | APC 1975-1993 | APC 1994-2012 | | |
| All ICCC Groups Combined | 35.2 | 0.6* | 1.0* | 0.7* | 36.1 | 0.6* | 1.0* | 0.7* | | |
| I Leukemia I(a) Lymphoid leukemia I(b) Acute myeloid leukemia | 46.9 60.1 69.3 | 0.7* 0.8* 1.1* | 1.0* 1.1* 1.8* | 0.8* 0.7 0.9 | 40.5 54.9 55.9 | 0.7* 0.8* 1.1* | 0.9* 1.1* 1.4* | 0.8* 0.7* 0.6 | | |
| <pre>II Lymphomas and reticuloendothelial neo. II(a) Hodgkin lymphoma II(b,c,e) Non-Hodgkin lymphoma</pre> | 14.2 3.1 30.2 | 0.3 -0.6* 0.9* | -0.7* -1.2 -0.3 | 1.7* [#] 1.2 [#] 2.1* [#] | 11.5 -3.9 41.5 | 0.2 -0.5* 1.1* | 0.0 -0.4 0.6 | 1.0* [#] 0.6 1.5* | | |
| III CNS & misc intracranial & intraspinal neo. III(a) Ependymomas and choroid plexus tumors III(b) Astrocytoma III(c) Intracranial and intraspinal embryonal tum. III(d) Other gliomas | 36.3 -78.8 65.3 -45.0 | 0.9* - 1.1* 1.0* 0.5 | 2.3* - 3.3* 1.5 0.5 | 0.5 [#] 0.9 0.8 [#] -0.4 0.7 | 38.0 - 68.4 84.7 -38.6 | 0.8* - 0.8* 1.1* 0.7* | 2.1* - 2.8* 1.8 0.6 | 0.4 [#] 1.0 0.8 [#] -0.4 [@] 0.2 | | |
| <pre>IV Neuroblastoma and other peripheral nervous cell tumors IV(a) Neuroblastoma and ganglioneuroblastoma</pre> | 33.5 33.5 | 0.3 | 0.6 | 0.3 | 36.3 31.4 | 0.3 | 0.6 | 0.5 | | |
| V Retinoblastoma | 11.5 | 0.2 | 1.8* | -0.3# | 11.5 | 0.2 | 1.9* | -0.4# | | |
| VI Renal tumors VI(a) Nephroblastoma and other nonepithelial renal tumors | -14.8 -15.3 | -0.2 -0.2 | 0.7 0.6 | -1.2 [@] -1.2 | -13.6 -15.3 | -0.1 -0.3 | 0.9 0.7 | -0.9 [@] -1.2 [®] | | |
| VII Hepatic tumors VII(a) Hepatoblastoma | - - | - - | - - | - - | - - | - - | - - | - - | | |
| VIII Malignant bone tumors VIII(a) Osteosarcoma VIII(c) Ewing tum. and related sarcomas of bone | 73.9 - - | 0.2 - - | 0.8 | 0.4 0.7 - | 33.9 128.8 -13.6 | 0.2 0.5 -0.2 | 0.9 1.6* 0.4 | -0.1 -0.1 0.2 | | |
| IX Soft tissue and other extraosseous sarcomas IX(a) Rhabdomyosarcoma | 54.5 68.0 | 0.8* 0.4 | 0.8 1.3 | 1.1* 0.5 | 54.7 64.2 | 0.7* 0.4 | 0.5 1.2 | 0.8 0.2 | | |
| X Germ cell & trophoblastic tum. & neo. of gonads $X(a)$ Intracranial and intraspinal germ-cell tum. $X(c)$ Malignant gonadal germ cell tumors | 37.4 - -18.3 | 1.1* - - | 1.4 - - | 0.4 - - | 26.4 - 54.7 | 0.8* - 0.9* | 1.5* - 1.3 | 0.5 - 1.0* | | |
| XI Other malignant epithelial neo. and melanomas $^{\rm d}$ XI(b) Thyroid carcinoma XI(d) Malignant melanoma | 9.0 71.6 - | 0.9* - - | 0.4 | 1.1 | 83.3 206.5 41.9 | 1.2* 1.9* 1.0* | 0.9 0.7 2.1* | 1.9* 3.9* [#] 0.2 | | |

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

- SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- 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.
- 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 except as noted.
- Includes in situ urinary bladder tumors.
- The APC is significantly different from zero (p<.05)
- The APC for 1994-2012 is significantly different from the APC for 1975-1993 (p<.05). @ The APC for 1994-2012 is significantly different from the APC for 1975-1993 (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.

Age-Adjusted SEER Cancer Incidence Trends, 1975-2012a By International Classification of Childhood Cancer(ICCC)^b Selected Group and Subgroup^c Excluding benign brain and myelodysplastic syndromes

Table 29.4

All Races, Males

| | | Ages | 0-14 | | Ages 0-19 | | | | |
|--|---------------------------------|------------------------|------------------------|--|---------------------------------|------------------------|---------------------|---|--|
| ICCC Group and Subgroup | % Change 1975-2012 | APC 1975-2012 | APC 1975-1993 | APC 1994-2012 | % Change 1975-2012 | APC 1975-2012 | APC 1975-1993 | APC 1994-2012 | |
| All ICCC Groups Combined | 29.3 | 0.6* | 1.1* | 0.5*@ | 31.0 | 0.6* | 1.1* | 0.5*# | |
| I Leukemia I(a) Lymphoid leukemia I(b) Acute myeloid leukemia | 26.9 31.8 80.4 | 0.7* 0.7* - | 0.9* 1.1* - | 0.6 0.4 0.5 | 25.3 33.4 58.2 | 0.6* 0.7* 1.1* | 0.7* 1.2* 0.5 | 0.6 0.5 0.0 | |
| II Lymphomas and reticuloendothelial neo. II(a) Hodgkin lymphoma II(b,c,e) Non-Hodgkin lymphoma | 13.7 1.2 25.9 | 0.1 - 0.5* | -0.8 - -0.5 | 1.7* [#] - 1.6* [@] | 11.1 -14.7 48.0 | 0.1 -0.6* 0.8* | -0.1 -0.5 0.4 | 1.1* [#] 1.3* [#] 1.0 | |
| III CNS & misc intracranial & intraspinal neo. III(a) Ependymomas and choroid plexus tumors III(b) Astrocytoma III(c) Intracranial and intraspinal embryonal tum. III(d) Other gliomas | 62.2 - 84.9 - -21.1 | 0.9* - 0.9* - | 2.7* - 3.5* - | 0.2 [#] - 0.7 [#] -0.5 | 47.3 - 58.2 - -16.1 | 0.8* - 0.6* - | 2.4* - 3.0* - | 0.1 [#] - 0.6 [#] -0.6 -0.6 | |
| IV Neuroblastoma and other peripheral nervous cell tumors IV(a) Neuroblastoma and ganglioneuroblastoma | 55.9 55.9 | 0.4 | 1.3 | 0.5 | 54.0 50.6 | 0.4 | 1.5 | 0.5 | |
| V Retinoblastoma | - | _ | - | - | _ | - | - | - | |
| VI Renal tumors VI(a) Nephroblastoma and other nonepithelial renal tumors | -43.6 -36.4 | -0.2 -0.2 | 1.5 1.4 | -1.7 [#] -1.7 [#] | -44.2 -36.4 | -0.2 -0.3 | 1.3 1.3 | -1.6 [#] -1.7 [#] | |
| VII Hepatic tumors VII(a) Hepatoblastoma | - - | - - | <u>-</u> - | - - | - - | - - | <u>-</u> - | - - | |
| VIII Malignant bone tumors VIII(a) Osteosarcoma VIII(c) Ewing tum. and related sarcomas of bone | 67.7 - - | 0.6 - - | 0.3 | -0.2 - - | 57.2 - 3.6 | 0.5 - - | 1.1 - - | -0.5 -0.6 | |
| IX Soft tissue and other extraosseous sarcomas IX(a) Rhabdomyosarcoma | 47.9 72.6 | 0.7* | 0.7 | 0.7 -0.5 | 58.7 61.9 | 0.8* | 0.8 | 0.7 -0.3 | |
| X Germ cell & trophoblastic tum. & neo. of gonads X(a) Intracranial and intraspinal germ-cell tum. X(c) Malignant gonadal germ cell tum. (testis) | 11.0 | - - - | - - - | - - - | 76.4 - 112.9 | 1.1* - 1.2* | 1.7 - 1.3 | 0.7 - 1.7* | |
| XI Other malignant epithelial neo. and melanomas $^{\rm d}$ XI(b) Thyroid carcinoma XI(d) Malignant melanoma | -10.7 - - | - - - | - - - | - - - | 33.3 - 19.7 | 1.0* - - | 1.1 - - | 1.3* | |

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

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

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.

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 except as noted.

Includes in situ urinary bladder tumors.

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

The APC for 1994-2012 is significantly different from the APC for 1975-1993 (p<.05). @

The APC for 1994-2012 is significantly different from the APC for 1975-1993 (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 29.5

Age-Adjusted SEER Cancer Incidence Trends, 1975-2012a By International Classification of Childhood Cancer(ICCC)^b Selected Group and Subgroup^c Excluding benign brain and myelodysplastic syndromes All Races, Females

| | All | Races, Fen | ales | | | | | |
|--|------------------------|------------------------|------------------------|-----------------------------------|-----------------------------|------------------------|------------------------|-------------------------------------|
| | | Ages | 0-14 | | | Ages | 0-19 | |
| ICCC Group and Subgroup | % Change 1975-2012 | APC 1975-2012 | APC 1975-1993 | APC 1994-2012 | % Change 1975-2012 | APC 1975-2012 | APC 1975-1993 | APC 1994-2012 |
| All ICCC Groups Combined | 42.6 | 0.6* | 0.9* | 0.9* | 42.0 | 0.6* | 0.9* | 0.9* |
| I Leukemia I(a) Lymphoid leukemia I(b) Acute myeloid leukemia | 78.4 101.5 55.1 | 0.7* 0.8* 0.8* | 1.2 1.2 2.0 | 1.1* 1.1* 1.4 | 64.0 86.0 52.5 | 0.7* 0.8* 1.0* | 1.2* 1.1 2.5* | 1.1* 1.0* 1.3* |
| II Lymphomas and reticuloendothelial neo. II(a) Hodgkin lymphoma II(b,c,e) Non-Hodgkin lymphoma | 15.1 5.4 42.4 | 0.5 - - | -0.8 - - | 1.8* [#] - | 12.0 9.4 27.3 | 0.2 -0.5 1.8* | 0.2 -0.2 1.0 | 0.8 -0.2 2.4* |
| III CNS & misc intracranial & intraspinal neo. III(a) Ependymomas and choroid plexus tumors III(b) Astrocytoma III(c) Intracranial and intraspinal embryonal tum. III(d) Other gliomas | 12.2 - 72.9 - | 0.9* - 1.2* - | 1.8* - 3.0* - | 0.8 - 0.9 [@] - | 27.9 - 79.5 - - | 0.8* - 0.9* - | 1.7* - 2.6* - | 0.9 - 1.0 0.0 |
| IV Neuroblastoma and other peripheral nervous cell tumors IV(a) Neuroblastoma and ganglioneuroblastoma | 14.4 14.4 | 0.3 | -0.5 -0.5 | -0.1 0.1 | 20.5 14.4 | 0.2 | -0.7 -0.7 | 0.1 |
| V Retinoblastoma | - | - | - | - | - | - | - | - |
| VI Renal tumors VI(a) Nephroblastoma and other nonepithelial renal tumors | 18.0 6.2 | -0.2 -0.3 | -0.1 -0.1 | -0.7 -0.7 | 22.8 | 0.0 -0.3 | 0.6 | -0.3 -0.7 |
| VII Hepatic tumors VII(a) Hepatoblastoma | <u>-</u> - | - - | - - | - - | - - | - - | - - | - - |
| VIII Malignant bone tumors VIII(a) Osteosarcoma VIII(c) Ewing tum. and related sarcomas of bone | 82.8 - - | - - - | 1.4 - - | - - - | 4.7 69.4 - | -0.3 0.1 - | 0.7 1.1 - | 0.7 1.0 - |
| IX Soft tissue and other extraosseous sarcomas IX(a) Rhabdomyosarcoma | 61.7 | 0.8* | 0.7 | 1.3 | 49.9 66.5 | 0.7* | 0.2 | 0.8 |
| X Germ cell & trophoblastic tum. & neo. of gonads X(a) Intracranial and intraspinal germ-cell tum. X(c) Malignant gonadal germ cell tum. (ovary) | 64.2 - - | - - - | - - - | 1.3 - - | -15.3 - -10.7 | 0.2 | 1.1 - - | 0.3 - -0.2 |
| XI Other malignant epithelial neo. and melanomas ^d XI(b) Thyroid carcinoma | 23.8 | - - | - - | 1.3 | 113.0 259.6 | 1.3* 2.1* | 0.7 0.9 | 2.2* [®] 3.8* [#] |

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

66.7

0.6

- 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 except as noted.
- Includes in situ urinary bladder tumors.

XI(d) Malignant melanoma

- The APC is significantly different from zero (p<.05)
- The APC for 1994-2012 is significantly different from the APC for 1975-1993 (p<.05). The APC for 1994-2012 is significantly different from the APC for 1975-1993 (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 29.6

5-Year Relative Survival (Percent), 2005-2011^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 b | y Sex | | Both | Sexes | by Age | | |
|---|--------------|--------------|-------------------|-------------------|-------------------|-------------------|--|-------------------|--------------|
| ICCC Group & Subgroup | Total | Male | <u>Female</u> | <1 | 1-4 | 5-9 | 10-14 | 15-19 | 0-14 |
| All ICCC Groups Combined | 82.8 | 81.7 | 84.1 | 78.0 | 84.6 | 82.1 | 81.4 | 83.8 | 82.4 |
| I Leukemia | 82.8 | 82.6 | 83.2 | 62.0 | 90.1 | 87.9 | 77.3 | 72.0 | 85.1 |
| I(a) Lymphoid leukemia | 87.5 | 86.7 | 88.6 | 56.7 | 93.6 | 90.7 | 81.1 | 75.9 | 89.3 |
| I(b) Acute myeloid leukemia | 63.6 | 63.7 | 63.3 | 63.0 | 66.9 | 70.1 | 62.6 | 59.4 | 65.3 |
| II Lymphomas and reticuloendothelial neo. | 92.4 | 92.3 | 92.6 | 78.2 ^d | 92.5 | 93.4 | 92.9 | 92.2 | 92.6 |
| II(a) Hodgkin lymphoma | 97.0 | 97.1 | 96.9 | - | 93.2 ^d | 97.8 | 98.2 | 96.5 | 97.9 |
| II(b,c,e) Non-Hodgkin lymphoma | 87.2 | 87.8 | 86.1 | - | 90.9 | 90.7 | 87.6 | 84.3 | 89.2 |
| III CNS & misc intracranial & intraspinal neo. III(a) Ependymomas and choroid plexus tumor III(b) Astrocytoma III(c) Intracranial and intraspinal embryonal tumors III(d) Other gliomas | 73.1 | 72.5 | 73.8 | 57.4 | 72.4 | 70.1 | 77.3 | 79.5 | 71.8 |
| | 76.4 | 74.3 | 79.0 | 56.3 ^d | 76.8 | 75.0 ^d | 82.2 ^d | 83.9 ^d | 75.0 |
| | 83.1 | 81.6 | 84.6 | 80.2 | 90.9 | 81.4 | 80.5 | 79.7 | 83.9 |
| | 61.7 | 62.3 | 60.8 | 31.0 | 55.0 | 71.0 | 71.0 | 71.6 | 60.5 |
| | 58.2 | 62.0 | 54.4 | 77.0 ^d | 45.9 | 43.0 | 69.3 | 82.6 | 52.4 |
| IV Neuroblastoma and other peripheral nervous cell tumors $\ensuremath{\text{IV}}(a)$ Neuroblastoma and ganglioneuroblastoma | 78.0 78.0 | 76.4 76.6 | 79.7 79.6 | 92.2 92.5 | 73.0 72.9 | 66.2 65.8 | 62.9 ^d 62.0 ^d | 76.5 ^d | 78.0 78.0 |
| V Retinoblastoma | 96.5 | 95.7 | 97.3 | 97.3 | 95.5 | - | - | - | 96.5 |
| VI Renal tumors | 89.6 | 87.9 | 91.1 | 93.9 | 91.2 | 90.0 | 82.3 ^d | 68.9 ^d | 90.9 |
| VI(a) Nephroblastoma and other nonepithelial renal tumor | 91.4 | 90.3 | 92.4 | 93.9 | 91.5 | 91.5 | 91.7 ^d | | 91.8 |
| VII Hepatic tumors VII(a) Hepatoblastoma | 70.5 81.7 | 70.2 80.2 | 71.1 84.8 | 87.0 86.4 | 81.4 80.7 | 67.3 ^d | 29.3 ^d | 47.4 ^d | 75.0 82.1 |
| VIII Malignant bone tumors VIII(a) Osteosarcoma VIII(c) Ewing tumor and related sarcomas of bone | 69.6 | 67.2 | 73.0 | - | 81.5 ^d | 75.2 | 71.7 | 64.7 | 73.1 |
| | 65.6 | 62.3 | 69.7 | - | - | 68.2 ^d | 69.3 | 61.2 | 68.8 |
| | 71.8 | 68.4 | 77.7 | - | 97.0 | 84.7 | 71.4 | 61.1 | 78.1 |
| IX Soft tissue and other extraosseous sarcomas IX(a) Rhabdomyosarcoma | 71.8 | 70.1 | 73.7 | 63.4 | 76.2 | 78.1 | 70.9 | 69.2 | 73.1 |
| | 66.0 | 65.7 | 66.5 | 53.5 ^d | 73.2 | 77.7 | 57.5 | 52.5 | 68.9 |
| X Germ cell & trophoblastic tumors & neo. of gonads $X(a)$ Intracranial and intraspinal germ-cell tumor $X(c)$ Malignant gonadal germ cell tumor | 92.0 | 91.9 | 92.3 | 89.4 | 94.0 | 93.7 | 94.2 | 91.4 | 93.1 |
| | 88.2 | 89.9 | 81.7 ^d | - | - | 86.4 ^d | 93.3 | 87.1 | 88.9 |
| | 95.7 | 95.1 | 97.2 | 100.0 | 98.5 | 97.9 | 98.8 | 94.7 | 98.8 |
| XI Other malignant epithelial neo. and melanomas $^{\rm f}$ XI(b) Thyroid carcinoma XI(d) Malignant melanoma | 92.1 | 87.3 | 94.6 | - | 96.4 | 93.2 | 92.8 | 91.8 | 92.8 |
| | 99.5 | 98.7 | 99.7 | - | - | 97.8 | 100.0 | 99.5 | 99.7 |
| | 94.3 | 91.0 | 96.4 | - | - | 94.6 | 94.2 | 94.8 | 93.1 |

SEER 18 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, New Jersey and Georgia excluding ATL/RG).

Based on follow-up of patients into 2012.

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.

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

The standard error is between 5 and 10 percentage points.

The standard error is greater than 10 percentage points.

Includes in situ urinary bladder tumors.

⁻ Statistic could not be calculated due to fewer than 25 cases during the time period. Neoplasms are abbreviated as neo.

Table 29.7 U.S. Childhood Cancer Survivors at January 1, 2012

Number of People Previously Diagnosed with Cancer as Children (Ages 0-19 Years) in the United States and Alive January 1, 2012 By International Classification of Childhood Cancer (ICCC)^a Selected Group and Subgroup, Age Group, and Sex

| | | | | | | | | | | Ages | |
|---|---------------------|----------------|----------------|-----------|----------------|----------------|------------|------------------|-----------------|-----------------|----------|
| | | | Cor | Diagnosed | Diagnosed | | | | | | |
| | | | | | at Preva | | | | between | <u>before 1</u> | |
| Site | Sex | 0-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60+ | All Ages | 1975-2011 | Count | ₽b |
| All Sites | Both | 115,689 | 98,695 | 65,873 | 55,981 | 41,852 | 20,877 | 398,967 | 326,512 | 72,455 | 18 |
| | Male | 62,037 | 51,574 | 32,716 | 25,507 | 17,574 | 10,684 | 200,092 | 168,045 | 32,047 | 16 |
| | Female ^c | 53,652 | 47,121 | 33,157 | 30,474 | 24,278 | 10,193 | 198,875 | 158,467 | 40,408 | 20 |
| I Leukemia | Both | 36,451 | 21,624 | 12,675 | 5,684 | 1,981 | 266 | 78,681 | 74,399 | 4,282 | 5 |
| | Male | 20,275 | 11,238 | 6,458 | 2,955 | 936 | 116 | 41,978 | 40,061 | 1,917 | 5 |
| | Female | 16,176 | 10,386 | 6,217 | 2,729 | 1,045 | 150 | 36,703 | 34,338 | 2,365 | 6 |
| Acute lymphocytic leukemia ^d | Both | 30,816 | 17,704 | 10,733 | 5,036 | 840 | 8 | 65,137 | 61,916 | 3,221 | 5 |
| | Male | 17,122 | 9,418 | 5,618 | 2,799 | 465 | 4 | 35,426 | 33,759 | 1,667 | 5 |
| | Female | 13,694 | 8,286 | 5,115 | 2,237 | 375 | 4 | 29,711 | 28,157 | 1,554 | 5 |
| I(b) Acute myeloid leukemia | Both | 3,991 | 2,609 | 1,236 | 762 | 283 | 7 | 8,888 | 8,389 | 499 | 6 |
| - · · | Male | 2,135 | 1,183 | 508 | 356 | 154 | 5 | 4,341 | 4,077 | 264 | 6 |
| | Female | 1,856 | 1,426 | 728 | 406 | 129 | 2 | 4,547 | 4,312 | 235 | 5 |
| II(a) Hodgkin lymphoma | Both | 4,686 | 9,188 | 8,009 | 7,778 | 5,470 | 1,603 | 36,734 | 31,454 | 5,280 | 14 |
| (1) | Male | 2,667 | 4,625 | 4,018 | 3,845 | 2,678 | 820 | 18,653 | 15,828 | 2,825 | 15 |
| | Female | 2,019 | 4,563 | 3,991 | 3,933 | 2,792 | 783 | 18,081 | 15,626 | 2,455 | 14 |
| II(b,c,e) Non-Hodgkin lymphoma | Both | 6,848 | 7,511 | 4,846 | 3,366 | 1,946 | 1,295 | 25,812 | 22,302 | 3,510 | 14 |
| II(2/0/0/ Hom modgrill I/mpnoma | Male | 4,523 | 4,905 | 3,321 | 2,150 | 1,022 | 748 | 16,669 | 14,771 | 1,898 | 11 |
| | Female | 2,325 | 2,606 | 1,525 | 1,216 | 924 | 547 | 9,143 | 7,531 | 1,612 | 18 |
| III CNS and misc intracranial & | Both | 21,183 | 15,559 | 9,245 | 8,586 | 5,494 | 1,997 | 62,064 | 51,221 | 10,843 | 17 |
| intraspinal neoplasms | Male | 11,260 | 8,627 | 5,046 | 4,342 | 2,464 | 911 | 32,650 | 27,727 | 4,923 | 15 |
| inclaspinal neopiasms | Female | 9,923 | 6,932 | 4,199 | 4,244 | 3,030 | 1,086 | 29,414 | 23,494 | 5,920 | 20 |
| IV Neuroblastoma & other peripheral | Both | 9,642 | 4,053 | 2,315 | 1,874 | 1,602 | 907 | 20,393 | 16,178 | 4,215 | 21 |
| nervous cell tumor | Male | 4,976 | 2,076 | 1,064 | 588 | 557 | 216 | 9,477 | 8,172 | 1,305 | 14 |
| nervous cerr cumor | Female | 4,666 | 1,977 | 1,251 | 1,286 | 1,045 | 691 | 10,916 | 8,006 | 2,910 | 27 |
| VI Renal tumors | Both | | | 3,712 | • | • | | | | | 32 |
| VI Reliai Cullors | Male | 7,849 3,819 | 4,793 2,264 | 1,640 | 4,483 2,534 | 2,757 1,496 | 991 577 | 24,585 12,330 | 16,656 7,810 | 7,929 4,520 | 32 37 |
| | Mare Female | 4,030 | | | | • | 414 | | | | 28 |
| | | | 2,529 | 2,072 | 1,949 | 1,261 | | 12,255 | 8,846 | 3,409 | |
| VIII Malignant bone tumors | Both | 3,642 | 4,433 | 3,275 | 2,535 | 2,524 | 1,048 | 17,457 | 13,938 | 3,519 | 20 |
| | Male | 2,124 | 2,628 | 1,725 | 1,318 | 1,106 | 548 | 9,449 | 7,830 | 1,619 | 17 |
| | Female | 1,518 | 1,805 | 1,550 | 1,217 | 1,418 | 500 | 8,008 | 6,108 | 1,900 | 24 |
| VIII(a) Osteosarcoma | Both | 1,853 | 2,331 | 1,782 | 1,354 | 1,252 | 874 | 9,446 | 7,376 | 2,070 | 22 |
| | Male | 1,044 | 1,307 | 969 | 689 | 543 | 411 | 4,963 | 4,022 | 941 | 19 |
| | Female | 809 | 1,024 | 813 | 665 | 709 | 463 | 4,483 | 3,354 | 1,129 | 25 |
| VIII(c) Ewing tumor & related | Both | 1,410 | 1,424 | 1,028 | 757 | 383 | 168 | 5,170 | 4,581 | 589 | 11 |
| sarcomas of bone | Male | 850 | 877 | 478 | 377 | 194 | 60 | 2,836 | 2,593 | 243 | 9 |
| | Female | 560 | 547 | 550 | 380 | 189 | 108 | 2,334 | 1,988 | 346 | 15 |
| IX Soft tissue & other | Both | 6,987 | 7,139 | 4,429 | 4,833 | 4,423 | 4,952 | 32,763 | 22,369 | 10,394 | |
| extraosseous sarcomas | Male | 3,889 | 3,847 | 2,234 | 2,424 | 2,094 | 2,777 | 17,265 | 11,894 | 5,371 | 31 |
| | Female | 3,098 | 3,292 | 2,195 | 2,409 | 2,329 | 2,175 | 15,498 | 10,475 | 5,023 | 32 |
| X Germ cell & trophoblastic tumors & | Both | 5,233 | 7,977 | 5,821 | 6,018 | 6,842 | 7,142 | 39,033 | 25,272 | 13,761 | 35 |
| neoplasms of gonads | Male | 2,702 | 5,252 | 3,597 | 3,211 | 3,381 | 3,296 | 21,439 | 14,942 | 6,497 | 30 |
| | Female | 2,531 | 2,725 | 2,224 | 2,807 | 3,461 | 3,846 | 17,594 | 10,330 | 7,264 | 41 |

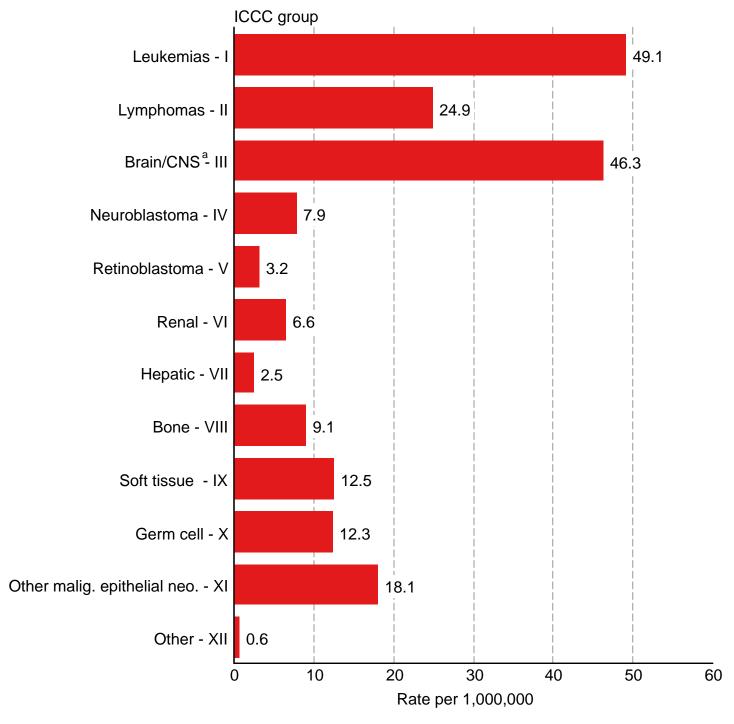
International Classification of Childhood Cancer is based on ICD-0-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005: Vol 103, No. 7, pg 1457-1467. Percent diagnosed before 1975 of all ages complete prevalence counts.

All sites females excludes breast cancer.

SEER site recode Acute Lymphocytic Leukemia was used instead of the ICCC classification lymphocytic leukemia (Ia) because of statistical modeling requirements.

For more information regarding the modeling of the prevalence estimates, see Mariotto et al. Long-Term Survivors of Childhood Cancers in the United States. Cancer Epidemiol Biomarkers Prev 2009, page 1034.

Childhood Cancer: SEER Incidence Rates 2008-2012 by ICCC Group (includes myelodysplastic syndromes and Group III benign brain) Under 20 Years of Age, Both Sexes, All Races

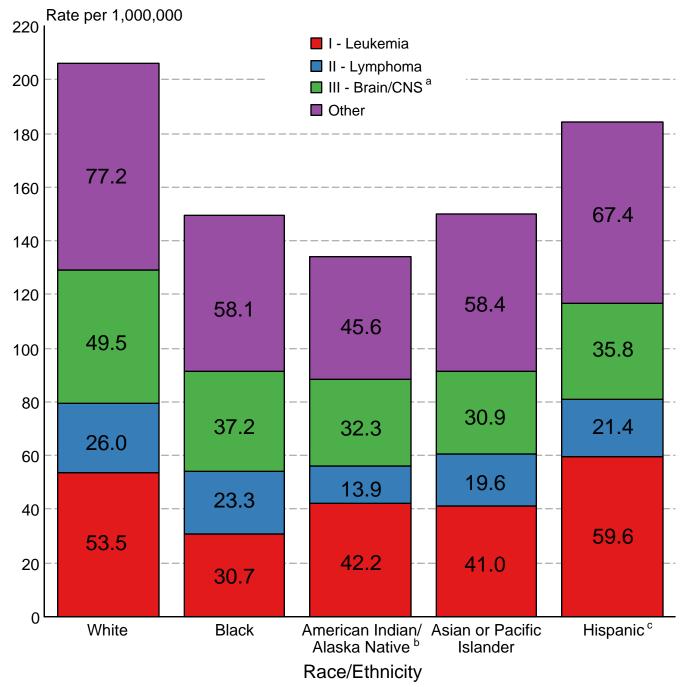


Source: SEER 18 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey and Georgia excluding ATL/RG).

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. 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.

Childhood Cancer: SEER Incidence Rates 2008- 2012 by ICCC Group and Race/Ethnicity (includes myelodysplastic syndromes and Group III benign brain) Both Sexes, Under 20 Years of Age



Source: SEER 18 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, New Jersey and Georgia excluding ATL/RG). Incidence rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

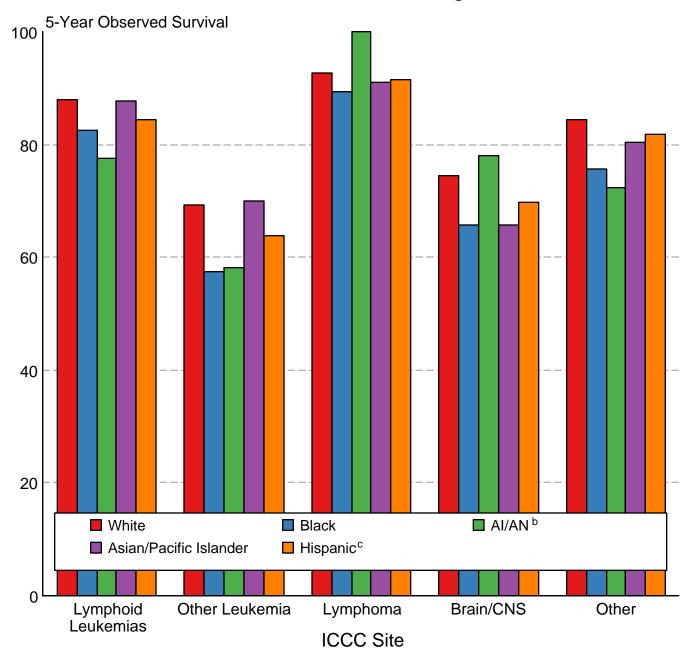
International Classification of Childhood Cancer is based on ICD-O-3. Stellarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005: Vol 103, No. 7, pg 1457-1467.

^a Rate for Group III (Brain/CNS) includes benign brain tumors.

b Incidence rates for American Índian/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.

Childhood Cancer 5-Year Observed Survival (%) by ICCC Group^a and Race/Ethnicity Both Sexes, Under 20 Years of Age, 2005-2011



Source: SEER 18 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, New Jersey and Georgia excluding ATL/RG).

International Classification of Childhood Cancer is based on ICD-O-3. Stellarova-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.