

Table 29.1

Age-Adjusted and Age-Specific SEER Cancer Incidence Rates, 2012-2016^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
All ICCC Groups Combined							
Excluding Group III benign brain/CNS tumors	168.9	188.1	250.9	218.0	131.3	153.5	245.4
Including Group III benign brain/CNS tumors ^d	184.1	209.1	262.4	227.8	145.7	174.4	283.4
I Leukemia (includes myelodysplastic syndromes)	54.1	49.5	52.6	91.4	44.6	35.4	35.8
I(a) Lymphoid leukemia	41.1	35.4	19.7	76.3	36.7	22.9	18.3
I(b) Acute myeloid leukemia	7.9	8.3	18.2	10.4	4.2	7.8	9.6
I(c) Chronic myeloproliferative diseases	1.6	2.4	3.4	0.9	1.3	2.2	4.6
I(d) Myelodysplastic syndrome and other myeloproliferative	1.6	1.6	8.3	1.4	0.9	1.2	1.7
I(e) Unspecified and other specified leukemias	1.8	1.8	3.0	2.4	1.6	1.4	1.6
II Lymphomas and reticuloendothelial neoplasms	17.4	26.6	2.3	9.2	16.0	27.9	53.8
II(a) Hodgkin lymphoma	5.7	12.5	-	0.7	3.5	12.6	32.7
II(b) Non-Hodgkin lymphoma (except Burkitt lymphoma)	8.8	11.0	-	6.0	8.7	12.2	17.6
II(c) Burkitt lymphoma	2.6	2.6	-	2.1	3.5	2.5	2.6
II(d) Miscellaneous lymphoreticular neoplasms	0.2	0.2	-	-	-	-	-
II(e) Unspecified lymphomas	0.2	0.4	-	-	-	-	0.8
III CNS and misc intracranial and intraspinal neoplasms ^d	49.5	52.4	43.5	52.2	49.4	48.6	61.3
III(a) Ependymomas and choroid plexus tumor	4.2	3.9	9.0	6.2	2.9	3.0	3.0
III(b) Astrocytoma	18.7	17.5	14.4	22.2	19.1	16.5	14.1
III(c) Intracranial and intraspinal embryonal tumors	7.1	5.9	10.4	9.9	7.6	3.8	2.5
III(d) Other gliomas	5.9	5.6	-	5.9	7.0	5.5	4.7
III(e) Other specified intracranial/intraspinal neoplasms	11.7	17.5	5.1	6.5	11.2	17.4	34.9
III(f) Unspecified intracranial and intraspinal neoplasms	1.9	2.0	2.7	1.6	1.6	2.3	2.2
IV Neuroblastoma and other peripheral nervous cell tumor	11.1	8.6	55.1	21.8	4.5	1.4	1.0
IV(a) Neuroblastoma and ganglioneuroblastoma	10.9	8.3	55.1	21.6	4.3	1.0	0.5
IV(b) Other peripheral nervous cell tumors	0.2	0.3	-	-	-	-	0.4
V Retinoblastoma	4.4	3.3	33.4	8.2	0.5	-	-
VI Renal tumors	8.7	7.1	17.5	19.0	6.2	1.7	2.3
VI(a) Nephroblastoma and other nonepithelial renal tumor	8.2	6.3	17.2	18.8	6.0	0.8	-
VI(b) Renal carcinoma	0.4	0.8	-	-	-	0.9	1.9
VI(c) Unspecified malignant renal tumors	-	-	-	-	-	-	-

^a SEER 21 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, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

^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 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, 2012-2016^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

<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	3.2	2.7	14.5	6.5	0.9	1.0	1.3
VII(a) Hepatoblastoma	2.8	2.1	14.5	6.4	0.5	-	-
VII(b) Hepatic carcinoma	0.4	0.6	-	-	-	0.8	1.3
VII(c) Unspecified malignant hepatic tumors	-	-	-	-	-	-	-
VIII Malignant bone tumors	7.9	9.8	-	1.9	6.6	15.2	15.5
VIII(a) Osteosarcoma	4.4	5.6	-	-	3.4	9.3	8.9
VIII(b) Chondrosarcoma	0.2	0.4	-	-	-	0.5	0.8
VIII(c) Ewing tumor and related sarcomas of bone	2.8	3.2	-	1.1	2.7	4.6	4.3
VIII(d) Other specified malignant bone tumors	0.4	0.5	-	-	-	0.7	0.9
VIII(e) Unspecified malignant bone tumors	-	0.2	-	-	-	-	0.5
IX Soft tissue and other extraosseous sarcomas	11.4	12.7	16.4	11.1	8.8	13.4	16.3
IX(a) Rhabdomyosarcoma	5.3	4.8	4.4	8.0	4.5	4.2	3.3
IX(b) Fibrosarcoma, peripheral nerve & other fibrous	1.0	1.3	4.1	-	0.8	1.1	1.9
IX(c) Kaposi sarcoma	-	-	-	-	-	-	-
IX(d) Other specified soft tissue sarcomas	3.9	5.1	5.7	1.9	2.7	6.1	8.9
IX(e) Unspecified soft-tissue sarcomas	1.2	1.5	-	0.6	0.8	1.9	2.2
X Germ cell & trophoblastic tumors & neoplasms of gonads	5.9	12.2	20.8	3.5	2.5	8.2	31.0
X(a) Intracranial and intraspinal germ-cell tumors	2.3	2.5	4.8	1.3	1.6	3.3	3.3
X(b) Extracranial & extragonadal germ cell tumors	1.5	1.6	15.0	1.5	-	-	1.7
X(c) Malignant gonadal germ cell tumors	2.5	7.9	3.3	1.5	1.2	4.5	23.8
X(d) Gonadal carcinomas	-	0.5	-	-	-	-	1.7
X(e) Other and unspecified malignant gonadal tumors	-	0.3	-	-	-	-	0.9
XI Other malignant epithelial neoplasms and melanomas ^d	9.8	23.5	3.4	1.9	5.6	21.1	64.2
XI(a) Adrenocortical carcinoma	0.2	0.2	-	-	-	-	-
XI(b) Thyroid carcinoma	3.9	11.4	-	-	1.6	9.4	34.0
XI(c) Nasopharyngeal carcinoma	0.2	0.5	-	-	-	0.6	1.1
XI(d) Malignant melanoma	2.1	4.0	-	1.2	1.9	3.2	9.8
XI(e) Skin carcinoma	-	0.1	-	-	-	-	-
XI(f) Other and unspecified carcinomas ^d	3.3	7.2	-	-	1.8	7.6	18.7
XII Other and unspecified malignant neoplasms	0.7	0.7	2.5	1.0	-	0.5	1.0
XII(a) Other specified malignant tumors	0.4	0.5	-	0.9	-	-	0.5
XII(b) Other unspecified malignant tumors	0.2	0.3	-	-	-	-	0.5
Not classified by ICC	0.2	0.3	-	-	-	-	-

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

^d Includes *in situ* urinary bladder tumors.

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