

Table XXIX-6

5-YEAR RELATIVE SURVIVAL RATES, 1996-2003^aBy International Classification of Childhood Cancer (ICCC)^b Selected Group and Subgroup^c and Sex and Age
Excluding benign brain and myelodysplastic syndromes

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 ICCC Groups Combined	78.2	76.5	80.1	72.6	80.5	76.9	77.5	78.8	77.9
I Leukemia	76.1	74.8	77.8	50.6	86.8	81.1	70.5	54.5	79.9
I(a) Lymphoid leukemia	82.1	80.2	84.4	48.3	90.7	85.0	75.9	59.1	85.0
I(b) Acute myeloid leukemia	53.0	53.9	52.0	48.3 ^d	62.3	56.2	55.0	43.9	56.3
II Lymphomas and reticuloendothelial neo.	87.4	86.5	88.7	55.8 ^d	84.8	88.6	88.9	87.6	87.1
II(a) Hodgkin lymphoma	94.6	94.9	94.2	-	100.0	94.0	94.7	94.4	94.9
II(b,c,e) Non-Hodgkin lymphoma	80.1	79.7	81.0	-	81.7	86.0	83.2	74.9	83.4
III CNS & misc intracranial & intraspinal neo.	71.3	69.9	73.1	48.1	71.0	69.1	77.8	74.4	70.7
III(a) Ependymomas and choroid plexus tumor	71.1	68.9	75.5 ^d	46.5 ^e	64.5 ^d	73.7 ^d	77.0 ^d	89.3 ^d	67.9
III(b) Astrocytoma	82.6	80.5	85.0	67.9 ^d	90.4	81.9	83.3	75.2	84.3
III(c) Intracranial and intraspinal embryonal tumors	65.5	66.1	64.7	32.0 ^d	57.2	75.9	75.7	70.9 ^d	64.8
III(d) Other gliomas	52.1	53.1	51.1	48.5 ^e	44.5 ^d	34.8	64.1	75.1	46.5
IV Neuroblastoma and other peripheral nervous cell tumors	68.6	68.1	69.2	90.5	61.5	46.2 ^d	60.0 ^e	64.4 ^e	68.7
IV(a) Neuroblastoma and ganglioneuroblastoma	68.5	67.9	69.0	90.4	61.6	44.6 ^d	59.8 ^e	-	68.7
V Retinoblastoma	97.1	96.8	97.5	99.3	95.1	100.0	-	-	97.1
VI Renal tumors	87.5	89.1	85.9	88.5	89.9	88.5	56.7 ^e	74.5 ^d	88.0
VI(a) Nephroblastoma and other nonepithelial renal tumor	88.7	91.0	86.6	88.5	90.2	87.9	65.9 ^e	-	88.8
VII Hepatic tumors	48.5	45.4	52.5 ^d	65.8 ^d	62.6	24.8 ^e	12.2 ^d	21.9 ^d	53.3
VII(a) Hepatoblastoma	60.5	55.4 ^d	67.0 ^d	67.3 ^d	62.8	-	-	-	60.8
VIII Malignant bone tumors	65.6	63.9	68.5	-	59.6 ^d	76.4	63.8	63.9	66.9
VIII(a) Osteosarcoma	66.2	64.0	69.8	-	-	72.9 ^d	64.9	65.3	66.9
VIII(c) Ewing tumor and related sarcomas of bone	59.8	58.8	61.5 ^d	-	57.0 ^e	83.9 ^d	56.9 ^d	52.8 ^d	64.6
IX Soft tissue and other extraosseous sarcomas	68.5	67.7	69.6	59.7 ^d	70.3	71.4	71.7	65.7	70.0
IX(a) Rhabdomyosarcoma	59.2	62.0	55.1	50.8 ^e	67.0	65.1	53.8 ^d	46.8 ^d	62.1
X Germ cell & trophoblastic tumors & neo. of gonads	90.1	89.4	91.4	83.6	88.3	91.2	93.0	90.5	89.6
X(a) Intracranial and intraspinal germ-cell tumor	85.6	86.1	84.4 ^d	-	-	95.2	89.8	81.3 ^d	87.6
X(c) Malignant gonadal germ cell tumor	95.5	94.5	97.6	100.0	91.3 ^d	97.1	100.0	94.8	97.9
XI Other malignant epithelial neo. and melanomas	89.6	84.4	92.2	-	94.2	83.7	89.9	89.8	89.0
XI(b) Thyroid carcinoma	97.9	93.9	98.8	-	-	100.0	96.0	98.2	96.8
XI(d) Malignant melanoma	94.3	94.8	93.9	-	90.3 ^d	90.8 ^d	90.8	95.3	90.7

^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 2000-2003. The remaining 13 SEER Areas contribute cases for the entire period 1996-2003. Rates are based on follow-up of patients into 2004.

^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.