

Table 9. Childhood (0-14 Years Old) Cancer: Five-Year Incidence, Percent Distribution, Median Age at Diagnosis, Percent Microscopically Confirmed, and Incidence and Average Annual Age-Adjusted (1970 US Population) Rates per 100,000 Population for Microscopically Confirmed Cases by Diagnostic Group, Sex, and Race/Ethnicity, California, 1990-1994

Diagnostic Group--International Classification of Childhood Cancer (ICCC) ¹	New Cases 1990-94				Microscopically Confirmed					
	Total	Percent	Median Age	MC (%)	New Cases 1990-94			Annual Rate		
					Total	Male	Female	Total	Male	Female
All Races										
All Sites Combined	5,272	100.0	4.0	96.4	5,082	2,800	2,282	13.55	14.48	12.56
Leukemia	1,849	35.1	4.0	99.2	1,834	1,027	807	4.77	5.21	4.30
Lymphoid leukemia	1,476	28.0	4.0	99.1	1,463	831	632	3.77	4.17	3.35
Acute non-lymphocytic leukemia	281	5.3	5.0	99.6	280	144	136	0.75	0.77	0.74
Chronic myeloid leukemia	41	0.8	8.0	100.0	41	26	15	0.12	0.14	0.09
Other specified leukemias	7	0.1	5.0	100.0	7	4	3	0.02	0.02	0.02
Unspecified leukemias	44	0.8	3.0	97.7	43	22	21	0.11	0.11	0.11
Lymphomas & Other Reticuloendothelial Neoplasms	505	9.6	9.0	99.0	500	325	175	1.50	1.88	1.09
Hodgkin's disease	203	3.9	11.0	100.0	203	121	82	0.65	0.74	0.54
Non-Hodgkin's lymphoma	200	3.8	7.5	100.0	200	133	67	0.58	0.75	0.40
Burkitt's lymphoma	77	1.5	6.0	98.7	76	58	18	0.21	0.32	0.10
Other reticuloendothelial neoplasms	9	0.2	2.0	88.9	8	6	2	0.02	0.03	0.01
Unspecified lymphomas	16	0.3	7.0	81.3	13	7	6	0.04	0.04	0.03
CNS and Miscellaneous Intracranial & Intraspinal Neoplasms	1,039	19.7	5.0	89.2	927	513	414	2.49	2.68	2.30
Ependymoma	97	1.8	2.0	100.0	97	54	43	0.25	0.26	0.23
Astrocytoma	460	8.7	5.0	96.7	445	231	214	1.23	1.25	1.20
Primitive neuroectodermal tumors	310	5.9	4.0	98.7	306	189	117	0.81	0.96	0.65
Other gliomas	146	2.8	6.0	37.7	55	27	28	0.15	0.15	0.16
Miscellaneous intracranial and intraspinal neoplasms	15	0.3	3.0	100.0	15	7	8	0.04	0.03	0.04
Unspecified intracranial and intraspinal neoplasms	11	0.2	3.0	81.8	9	5	4	0.02	0.03	0.02
Sympathetic Nervous System Tumors	374	7.1	1.0	98.1	367	201	166	0.84	0.88	0.79
Neuroblastoma and ganglioneuroblastoma	362	6.9	1.0	98.1	355	196	159	0.80	0.86	0.74
Other sympathetic nervous system tumors	12	0.2	7.0	100.0	12	5	7	0.03	0.03	0.04
Retinoblastoma	188	3.6	1.0	85.6	161	90	71	0.35	0.39	0.32
Renal Tumors	276	5.2	3.0	98.2	271	130	141	0.65	0.60	0.70
Wilms' tumor, rhabdoid, and clear cell sarcoma	275	5.2	3.0	98.2	270	130	140	0.64	0.60	0.69
Renal carcinoma	1	0.0	11.0	100.0	1	0	1	0.00	0.00	0.01
Unspecified malignant renal tumors	0	-	-	-	-	-	-	0.00	0.00	0.00

(Table Continues)

Source: California Cancer Registry Childhood Cancer Analysis File (April 1996 and April 1997, revised).

Note: - = No cases; MC(%) = Percent of cases microscopically confirmed; CNS = central nervous system.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic origin may be of any race.

¹Excludes in situ cancers. See Appendix B for ICD-0-2 morphology and topography codes within each ICCC category.

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Diagnostic Group--International Classification of Childhood Cancer (ICCC) ¹	New Cases 1990-94				Microscopically Confirmed					
	Total	Percent	Median Age	MC (%)	New Cases 1990-94			Annual Rate		
					Total	Male	Female	Total	Male	Female
	All Races									
Hepatic Tumors	72	1.4	1.0	100.0	72	42	30	0.16	0.19	0.14
Hepatoblastoma	63	1.2	1.0	100.0	63	34	29	0.14	0.15	0.13
Hepatic carcinoma	9	0.2	6.0	100.0	9	8	1	0.02	0.04	0.01
Unspecified malignant hepatic tumors	0	-	-	-	-	-	-	0.00	0.00	0.00
Malignant Bone Tumors	213	4.0	11.0	99.5	212	109	103	0.68	0.68	0.67
Osteosarcoma	128	2.4	12.0	99.2	127	63	64	0.41	0.40	0.42
Chondrosarcoma	2	0.0	7.0	100.0	2	1	1	0.01	0.01	0.00
Ewing's sarcoma	71	1.3	11.0	100.0	71	38	33	0.22	0.23	0.21
Other specified malignant bone tumors	11	0.2	8.0	100.0	11	7	4	0.03	0.04	0.02
Unspecified malignant bone tumors	1	0.0	10.0	100.0	1	0	1	0.00	0.00	0.01
Soft-Tissue Sarcomas	317	6.0	7.0	99.1	314	181	133	0.88	0.98	0.78
Rhabdomyosarcoma and embryonal sarcoma	152	2.9	5.0	98.0	149	89	60	0.40	0.47	0.33
Fibrosarcoma, neurofibrosarcoma, and others	70	1.3	9.0	100.0	70	43	27	0.21	0.24	0.17
Kaposi's sarcoma	2	0.0	9.5	100.0	2	1	1	0.01	0.01	0.01
Other specified soft-tissue sarcomas	72	1.4	10.0	100.0	72	35	37	0.22	0.20	0.23
Unspecified soft-tissue sarcomas	21	0.4	4.0	100.0	21	13	8	0.06	0.07	0.04
Germ-Cell, Trophoblastic, & Other Gonadal Neoplasms	238	4.5	7.5	97.1	231	95	136	0.65	0.49	0.81
Intracranial & intraspinal germ-cell tumors	51	1.0	10.0	90.2	46	30	16	0.14	0.18	0.10
Other and unspecified non-gonadal germ-cell tumors	58	1.1	0.0	98.3	57	20	37	0.13	0.09	0.17
Gonadal germ-cell tumors	111	2.1	9.0	100.0	111	45	66	0.32	0.21	0.43
Gonadal carcinomas	12	0.2	12.5	100.0	12	0	12	0.04	0.00	0.08
Other and unspecified malignant gonadal tumors	6	0.1	12.5	83.3	5	0	5	0.02	0.00	0.03
Carcinomas and Other Malignant Epithelial Neoplasms	157	3.0	12.0	96.2	151	66	85	0.48	0.40	0.55
Adrenocortical carcinoma	4	0.1	8.5	100.0	4	1	3	0.01	0.00	0.02
Thyroid carcinoma	59	1.1	12.0	100.0	59	18	41	0.19	0.11	0.27
Nasopharyngeal carcinoma	12	0.2	13.0	100.0	12	7	5	0.04	0.05	0.03
Malignant melanoma	43	0.8	13.0	93.0	40	25	15	0.12	0.15	0.10
Skin carcinoma	2	0.0	8.0	100.0	2	0	2	0.01	0.00	0.01
Other and unspecified carcinomas	37	0.7	12.0	91.9	34	15	19	0.11	0.09	0.12
Other and Unspecified Malignant Neoplasms	14	0.3	4.0	92.9	13	7	6	0.03	0.03	0.04
Other specified malignant tumors	4	0.1	5.5	100.0	4	4	0	0.01	0.02	0.00
Other unspecified malignant tumors	10	0.2	3.5	90.0	9	3	6	0.02	0.01	0.04
Letterer-Siwe Disease ²	30	0.6	1.0	96.7	29	14	15	0.07	0.06	0.07

(Table Continues)

Source: California Cancer Registry Childhood Cancer Analysis File (April 1996 and April 1997, revised).

Note: - = No cases; MC(%) = Percent of cases microscopically confirmed; CNS = central nervous system.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic origin may be of any race.

¹Excludes *in situ* cancers. See Appendix B for ICD-0-2 morphology and topography codes within each ICCC category.

²Diagnostic group not included in standard ICCC classification.

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Diagnostic Group--International Classification of Childhood Cancer (ICCC) ¹	New Cases 1990-94				Microscopically Confirmed					
	Total	Percent	Median Age	MC (%)	New Cases 1990-94			Annual Rate		
					Total	Male	Female	Total	Male	Female
	Asian/Other									
All Sites Combined	483	100.0	4.0	96.7	467	241	226	11.79	11.85	11.72
Leukemia	200	41.4	4.0	98.0	196	101	95	4.78	4.83	4.72
Lymphoid leukemia	139	28.8	4.0	97.1	135	65	70	3.25	3.05	3.46
Acute non-lymphocytic leukemia	41	8.5	3.0	100.0	41	23	18	1.02	1.14	0.89
Chronic myeloid leukemia	10	2.1	7.5	100.0	10	6	4	0.26	0.29	0.21
Other specified leukemias	0	-	-	-	0	0	0	0.00	0.00	0.00
Unspecified leukemias	10	2.1	4.5	100.0	10	7	3	0.25	0.35	0.15
Lymphomas & Other Reticuloendothelial Neoplasms	38	7.9	7.0	100.0	38	29	9	1.03	1.54	0.50
Hodgkin's disease	6	1.2	10.0	100.0	6	3	3	0.17	0.17	0.18
Non-Hodgkin's lymphoma	21	4.3	7.0	100.0	21	17	4	0.57	0.90	0.23
Burkitt's lymphoma	9	1.9	5.0	100.0	9	8	1	0.24	0.43	0.04
Other reticuloendothelial neoplasms	0	-	-	-	0	0	0	0.00	0.00	0.00
Unspecified lymphomas	2	0.4	2.5	100.0	2	1	1	0.04	0.04	0.04
CNS and Miscellaneous Intracranial & Intraspinal Neoplasms	82	17.0	5.5	89.0	73	44	29	1.91	2.26	1.54
Ependymoma	13	2.7	4.0	100.0	13	7	6	0.32	0.35	0.30
Astrocytoma	32	6.6	6.0	90.6	29	17	12	0.76	0.89	0.63
Primitive neuroectodermal tumors	22	4.6	5.5	100.0	22	13	9	0.59	0.67	0.50
Other gliomas	10	2.1	6.5	40.0	4	4	0	0.10	0.20	0.00
Miscellaneous intracranial and intraspinal neoplasms	4	0.8	9.5	100.0	4	3	1	0.11	0.16	0.06
Unspecified intracranial and intraspinal neoplasms	1	0.2	3.0	100.0	1	0	1	0.02	0.00	0.04
Sympathetic Nervous System Tumors	30	6.2	2.0	100.0	30	14	16	0.70	0.64	0.76
Neuroblastoma and ganglioneuroblastoma	27	5.6	2.0	100.0	27	13	14	0.61	0.59	0.63
Other sympathetic nervous system tumors	3	0.6	12.0	100.0	3	1	2	0.09	0.05	0.12
Retinoblastoma	14	2.9	1.0	85.7	12	5	7	0.26	0.21	0.31
Renal Tumors	12	2.5	2.5	91.7	11	5	6	0.27	0.22	0.31
Wilms' tumor, rhabdoid, and clear cell sarcoma	12	2.5	2.5	91.7	11	5	6	0.27	0.22	0.31
Renal carcinoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Unspecified malignant renal tumors	0	-	-	-	-	-	-	0.00	0.00	0.00

(Table Continues)

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Diagnostic Group--International Classification of Childhood Cancer (ICCC) ¹	New Cases 1990-94				Microscopically Confirmed					
	Total	Percent	Median Age	MC (%)	New Cases 1990-94			Annual Rate		
					Total	Male	Female	Total	Male	Female
	Asian/Other									
Hepatic Tumors	6	1.2	1.5	100.0	6	6	0	0.14	0.28	0.00
Hepatoblastoma	4	0.8	0.5	100.0	4	4	0	0.09	0.17	0.00
Hepatic carcinoma	2	0.4	9.0	100.0	2	2	0	0.06	0.11	0.00
Unspecified malignant hepatic tumors	0	-	-	-	-	-	-	0.00	0.00	0.00
Malignant Bone Tumors	15	3.1	11.0	100.0	15	8	7	0.43	0.45	0.41
Osteosarcoma	12	2.5	10.5	100.0	12	5	7	0.35	0.29	0.41
Chondrosarcoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Ewing's sarcoma	1	0.2	14.0	100.0	1	1	0	0.03	0.06	0.00
Other specified malignant bone tumors	2	0.4	7.0	100.0	2	2	0	0.05	0.10	0.00
Unspecified malignant bone tumors	0	-	-	-	0	0	0	0.00	0.00	0.00
Soft-Tissue Sarcomas	34	7.0	6.5	100.0	34	15	19	0.88	0.73	1.05
Rhabdomyosarcoma and embryonal sarcoma	13	2.7	3.0	100.0	13	7	6	0.32	0.32	0.31
Fibrosarcoma, neurofibrosarcoma, and others	9	1.9	9.0	100.0	9	5	4	0.25	0.25	0.24
Kaposi's sarcoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Other specified soft-tissue sarcomas	7	1.4	9.0	100.0	7	1	6	0.19	0.05	0.33
Unspecified soft-tissue sarcomas	5	1.0	12.0	100.0	5	2	3	0.13	0.10	0.17
Germ-Cell, Trophoblastic, & Other Gonadal Neoplasms	36	7.5	7.5	100.0	36	11	25	0.95	0.53	1.38
Intracranial & intraspinal germ-cell tumors	6	1.2	11.0	100.0	6	4	2	0.17	0.23	0.11
Other and unspecified non-gonadal germ-cell tumors	7	1.4	0.0	100.0	7	1	6	0.15	0.04	0.27
Gonadal germ-cell tumors	21	4.3	8.0	100.0	21	6	15	0.56	0.25	0.89
Gonadal carcinomas	2	0.4	13.0	100.0	2	0	2	0.06	0.00	0.12
Other and unspecified malignant gonadal tumors	0	-	-	-	0	0	0	0.00	0.00	0.00
Carcinomas and Other Malignant Epithelial Neoplasms	11	2.3	13.0	100.0	11	1	10	0.31	0.06	0.58
Adrenocortical carcinoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Thyroid carcinoma	6	1.2	11.0	100.0	6	0	6	0.17	0.00	0.35
Nasopharyngeal carcinoma	1	0.2	13.0	100.0	1	0	1	0.03	0.00	0.06
Malignant melanoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Skin carcinoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Other and unspecified carcinomas	4	0.8	13.5	100.0	4	1	3	0.11	0.06	0.17
Other and Unspecified Malignant Neoplasms	1	0.2	1.0	100.0	1	0	1	0.02	0.00	0.04
Other specified malignant tumors	0	-	-	-	0	0	0	0.00	0.00	0.00
Other unspecified malignant tumors	1	0.2	1.0	100.0	1	0	1	0.02	0.00	0.04
Letterer-Siwe Disease ²	4	0.8	1.0	100.0	4	2	2	0.10	0.08	0.11

(Table Continues)

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	Total	Percent	Median Age	MC (%)	New Cases 1990-94			Annual Rate		
					Total	Male	Female	Total	Male	Female
	Black									
All Sites Combined	372	100.0	5.0	94.9	353	194	159	11.93	12.96	10.86
Leukemia	86	23.1	6.0	100.0	86	45	41	3.00	3.02	2.99
Lymphoid leukemia	55	14.8	5.0	100.0	55	28	27	1.85	1.82	1.87
Acute non-lymphocytic leukemia	26	7.0	8.5	100.0	26	12	14	0.96	0.81	1.12
Chronic myeloid leukemia	3	0.8	12.0	100.0	3	3	0	0.12	0.24	0.00
Other specified leukemias	1	0.3	9.0	100.0	1	1	0	0.04	0.07	0.00
Unspecified leukemias	1	0.3	8.0	100.0	1	1	0	0.04	0.07	0.00
Lymphomas & Other Reticuloendothelial Neoplasms	36	9.7	8.0	97.2	35	20	15	1.31	1.52	1.10
Hodgkin's disease	19	5.1	9.0	100.0	19	10	9	0.75	0.79	0.70
Non-Hodgkin's lymphoma	16	4.3	7.5	100.0	16	10	6	0.57	0.74	0.39
Burkitt's lymphoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Other reticuloendothelial neoplasms	0	-	-	-	0	0	0	0.00	0.00	0.00
Unspecified lymphomas	1	0.3	8.0	0.0	0	0	0	0.00	0.00	0.00
CNS and Miscellaneous Intracranial & Intraspinal Neoplasms	84	22.6	4.0	85.7	72	37	35	2.34	2.43	2.25
Ependymoma	6	1.6	7.5	100.0	6	4	2	0.21	0.27	0.14
Astrocytoma	44	11.8	4.0	93.2	41	22	19	1.34	1.47	1.21
Primitive neuroectodermal tumors	21	5.6	4.0	100.0	21	10	11	0.68	0.63	0.74
Other gliomas	11	3.0	5.0	18.2	2	1	1	0.05	0.05	0.06
Miscellaneous intracranial and intraspinal neoplasms	2	0.5	1.5	100.0	2	0	2	0.05	0.00	0.11
Unspecified intracranial and intraspinal neoplasms	0	-	-	-	0	0	0	0.00	0.00	0.00
Sympathetic Nervous System Tumors	30	8.1	1.0	96.7	29	18	11	0.84	1.01	0.66
Neuroblastoma and ganglioneuroblastoma	29	7.8	1.0	96.6	28	18	10	0.81	1.01	0.60
Other sympathetic nervous system tumors	1	0.3	2.0	100.0	1	0	1	0.03	0.00	0.06
Retinoblastoma	19	5.1	1.0	84.2	16	5	11	0.44	0.27	0.61
Renal Tumors	25	6.7	3.0	100.0	25	16	9	0.71	0.90	0.52
Wilms' tumor, rhabdoid, and clear cell sarcoma	25	6.7	3.0	100.0	25	16	9	0.71	0.90	0.52
Renal carcinoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Unspecified malignant renal tumors	0	-	-	-	-	-	-	0.00	0.00	0.00

(Table Continues)

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					Total	Male	Female	Total	Male	Female
	Black									
Hepatic Tumors	3	0.8	2.0	100.0	3	2	1	0.09	0.13	0.06
Hepatoblastoma	3	0.8	2.0	100.0	3	2	1	0.09	0.13	0.06
Hepatic carcinoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Unspecified malignant hepatic tumors	0	-	-	-	-	-	-	0.00	0.00	0.00
Malignant Bone Tumors	12	3.2	10.5	100.0	12	5	7	0.47	0.39	0.54
Osteosarcoma	8	2.2	12.0	100.0	8	4	4	0.32	0.32	0.32
Chondrosarcoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Ewing's sarcoma	3	0.8	10.0	100.0	3	0	3	0.11	0.00	0.22
Other specified malignant bone tumors	1	0.3	9.0	100.0	1	1	0	0.04	0.07	0.00
Unspecified malignant bone tumors	0	-	-	-	0	0	0	0.00	0.00	0.00
Soft-Tissue Sarcomas	35	9.4	10.0	100.0	35	22	13	1.32	1.60	1.03
Rhabdomyosarcoma and embryonal sarcoma	16	4.3	9.0	100.0	16	12	4	0.58	0.84	0.31
Fibrosarcoma, neurofibrosarcoma, and others	12	3.2	10.5	100.0	12	7	5	0.46	0.51	0.41
Kaposi's sarcoma	1	0.3	11.0	100.0	1	0	1	0.04	0.00	0.08
Other specified soft-tissue sarcomas	6	1.6	11.0	100.0	6	3	3	0.24	0.25	0.23
Unspecified soft-tissue sarcomas	0	-	-	-	0	0	0	0.00	0.00	0.00
Germ-Cell, Trophoblastic, & Other Gonadal Neoplasms	23	6.2	5.0	95.7	22	9	13	0.75	0.57	0.94
Intracranial & intraspinal germ-cell tumors	7	1.9	10.0	100.0	7	4	3	0.27	0.30	0.23
Other and unspecified non-gonadal germ-cell tumors	9	2.4	0.0	88.9	8	5	3	0.22	0.27	0.17
Gonadal germ-cell tumors	7	1.9	11.0	100.0	7	0	7	0.27	0.00	0.54
Gonadal carcinomas	0	-	-	-	0	0	0	0.00	0.00	0.00
Other and unspecified malignant gonadal tumors	0	-	-	-	0	0	0	0.00	0.00	0.00
Carcinomas and Other Malignant Epithelial Neoplasms	15	4.0	9.0	93.3	14	13	1	0.53	1.00	0.06
Adrenocortical carcinoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Thyroid carcinoma	2	0.5	7.0	100.0	2	2	0	0.07	0.15	0.00
Nasopharyngeal carcinoma	5	1.3	13.0	100.0	5	5	0	0.20	0.40	0.00
Malignant melanoma	1	0.3	3.0	100.0	1	1	0	0.03	0.05	0.00
Skin carcinoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Other and unspecified carcinomas	7	1.9	9.0	85.7	6	5	1	0.23	0.39	0.06
Other and Unspecified Malignant Neoplasms	1	0.3	9.0	100.0	1	1	0	0.04	0.07	0.00
Other specified malignant tumors	1	0.3	9.0	100.0	1	1	0	0.04	0.07	0.00
Other unspecified malignant tumors	0	-	-	-	0	0	0	0.00	0.00	0.00
Letterer-Siwe Disease ²	3	0.8	0.0	100.0	3	1	2	0.08	0.05	0.11

(Table Continues)

Source: California Cancer Registry Childhood Cancer Analysis File (April 1996 and April 1997, revised).

Note: - = No cases; MC(%) = Percent of cases microscopically confirmed; CNS = central nervous system.

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¹Excludes *in situ* cancers. See Appendix B for ICD-0-2 morphology and topography codes within each ICCC category.

²Diagnostic group not included in standard ICCC classification.

Table 9. Childhood (0-14 Years Old) Cancer: Five-Year Incidence, Percent Distribution, Median Age at Diagnosis, Percent Microscopically Confirmed, and Incidence and Average Annual Age-Adjusted (1970 US Population) Rates per 100,000 Population for Microscopically Confirmed Cases by Diagnostic Group, Sex, and Race/Ethnicity, California, 1990-1994 (Continued)

Diagnostic Group--International Classification of Childhood Cancer (ICCC) ¹	New Cases 1990-94				Microscopically Confirmed					
	Total	Percent	Median Age	MC (%)	New Cases 1990-94			Annual Rate		
					Total	Male	Female	Total	Male	Female
	Hispanic									
All Sites Combined	1,955	100.0	4.0	96.7	1,890	1,072	818	13.46	14.76	12.09
Leukemia	783	40.1	4.0	99.4	778	442	336	5.43	5.96	4.89
Lymphoid leukemia	642	32.8	4.0	99.4	638	365	273	4.40	4.84	3.95
Acute non-lymphocytic leukemia	102	5.2	6.0	100.0	102	58	44	0.76	0.85	0.65
Chronic myeloid leukemia	16	0.8	7.5	100.0	16	9	7	0.12	0.12	0.12
Other specified leukemias	4	0.2	5.0	100.0	4	2	2	0.03	0.03	0.03
Unspecified leukemias	19	1.0	2.0	94.7	18	8	10	0.12	0.11	0.14
Lymphomas & Other Reticuloendothelial Neoplasms	185	9.5	8.0	99.5	184	126	58	1.51	2.01	0.99
Hodgkin's disease	86	4.4	9.5	100.0	86	58	28	0.75	0.97	0.52
Non-Hodgkin's lymphoma	64	3.3	8.0	100.0	64	46	18	0.52	0.74	0.29
Burkitt's lymphoma	25	1.3	5.0	100.0	25	16	9	0.18	0.23	0.13
Other reticuloendothelial neoplasms	4	0.2	1.5	100.0	4	4	0	0.02	0.05	0.00
Unspecified lymphomas	6	0.3	6.0	83.3	5	2	3	0.04	0.03	0.05
CNS and Miscellaneous Intracranial & Intraspinal Neoplasms	304	15.5	4.0	87.8	267	159	108	1.90	2.24	1.56
Ependymoma	31	1.6	2.0	100.0	31	20	11	0.20	0.25	0.15
Astrocytoma	106	5.4	5.0	97.2	103	53	50	0.77	0.79	0.75
Primitive neuroectodermal tumors	111	5.7	4.0	98.2	109	72	37	0.77	1.00	0.52
Other gliomas	46	2.4	6.0	34.8	16	9	7	0.12	0.15	0.09
Miscellaneous intracranial and intraspinal neoplasms	5	0.3	1.0	100.0	5	3	2	0.03	0.03	0.02
Unspecified intracranial and intraspinal neoplasms	5	0.3	1.0	60.0	3	2	1	0.02	0.02	0.01
Sympathetic Nervous System Tumors	120	6.1	1.0	98.3	118	64	54	0.68	0.71	0.65
Neuroblastoma and ganglioneuroblastoma	115	5.9	1.0	98.3	113	62	51	0.64	0.68	0.60
Other sympathetic nervous system tumors	5	0.3	12.0	100.0	5	2	3	0.04	0.03	0.06
Retinoblastoma	75	3.8	1.0	88.0	66	41	25	0.36	0.44	0.28
Renal Tumors	106	5.4	2.0	99.1	105	46	59	0.63	0.52	0.75
Wilms' tumor, rhabdoid, and clear cell sarcoma	105	5.4	2.0	99.0	104	46	58	0.62	0.52	0.73
Renal carcinoma	1	0.1	11.0	100.0	1	0	1	0.01	0.00	0.02
Unspecified malignant renal tumors	0	-	-	-	-	-	-	0.00	0.00	0.00

(Table Continues)

Source: California Cancer Registry Childhood Cancer Analysis File (April 1996 and April 1997, revised).

Note: - = No cases; MC(%) = Percent of cases microscopically confirmed; CNS = central nervous system.

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Table 9. Childhood (0-14 Years Old) Cancer: Five-Year Incidence, Percent Distribution, Median Age at Diagnosis, Percent Microscopically Confirmed, and Incidence and Average Annual Age-Adjusted (1970 US Population) Rates per 100,000 Population for Microscopically Confirmed Cases by Diagnostic Group, Sex, and Race/Ethnicity, California, 1990-1994 (Continued)

Diagnostic Group--International Classification of Childhood Cancer (ICCC) ¹	New Cases 1990-94				Microscopically Confirmed					
	Total	Percent	Median Age	MC (%)	New Cases 1990-94			Annual Rate		
					Total	Male	Female	Total	Male	Female
	Hispanic									
Hepatic Tumors	28	1.4	1.0	100.0	28	14	14	0.16	0.15	0.16
Hepatoblastoma	26	1.3	1.0	100.0	26	13	13	0.14	0.14	0.14
Hepatic carcinoma	2	0.1	8.5	100.0	2	1	1	0.02	0.02	0.02
Unspecified malignant hepatic tumors	0	-	-	-	-	-	-	0.00	0.00	0.00
Malignant Bone Tumors	76	3.9	11.0	100.0	76	36	40	0.69	0.64	0.74
Osteosarcoma	49	2.5	12.0	100.0	49	21	28	0.46	0.39	0.53
Chondrosarcoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Ewing's sarcoma	23	1.2	10.0	100.0	23	13	10	0.20	0.23	0.17
Other specified malignant bone tumors	4	0.2	5.5	100.0	4	2	2	0.03	0.02	0.04
Unspecified malignant bone tumors	0	-	-	-	0	0	0	0.00	0.00	0.00
Soft-Tissue Sarcomas	120	6.1	6.0	98.3	118	76	42	0.89	1.13	0.65
Rhabdomyosarcoma and embryonal sarcoma	54	2.8	4.0	96.3	52	30	22	0.37	0.42	0.31
Fibrosarcoma, neurofibrosarcoma, and others	27	1.4	8.0	100.0	27	20	7	0.21	0.29	0.12
Kaposi's sarcoma	1	0.1	8.0	100.0	1	1	0	0.01	0.02	0.00
Other specified soft-tissue sarcomas	32	1.6	10.0	100.0	32	20	12	0.27	0.32	0.21
Unspecified soft-tissue sarcomas	6	0.3	3.0	100.0	6	5	1	0.04	0.08	0.01
Germ-Cell, Trophoblastic, & Other Gonadal Neoplasms	99	5.1	8.0	94.9	94	44	50	0.73	0.59	0.87
Intracranial & intraspinal germ-cell tumors	22	1.1	10.0	81.8	18	12	6	0.15	0.20	0.10
Other and unspecified non-gonadal germ-cell tumors	18	0.9	0.0	100.0	18	9	9	0.12	0.13	0.11
Gonadal germ-cell tumors	54	2.8	8.0	100.0	54	23	31	0.42	0.26	0.58
Gonadal carcinomas	2	0.1	12.5	100.0	2	0	2	0.02	0.00	0.04
Other and unspecified malignant gonadal tumors	3	0.2	13.0	66.7	2	0	2	0.02	0.00	0.04
Carcinomas and Other Malignant Epithelial Neoplasms	41	2.1	13.0	95.1	39	15	24	0.36	0.27	0.46
Adrenocortical carcinoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Thyroid carcinoma	19	1.0	13.0	100.0	19	6	13	0.18	0.11	0.25
Nasopharyngeal carcinoma	2	0.1	10.0	100.0	2	0	2	0.02	0.00	0.04
Malignant melanoma	12	0.6	13.5	83.3	10	7	3	0.09	0.12	0.06
Skin carcinoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Other and unspecified carcinomas	8	0.4	13.0	100.0	8	2	6	0.07	0.04	0.11
Other and Unspecified Malignant Neoplasms	4	0.2	2.5	100.0	4	2	2	0.03	0.02	0.04
Other specified malignant tumors	0	-	-	-	0	0	0	0.00	0.00	0.00
Other unspecified malignant tumors	4	0.2	2.5	100.0	4	2	2	0.03	0.02	0.04
Letterer-Siwe Disease ²	14	0.7	1.0	92.9	13	7	6	0.07	0.08	0.07

(Table Continues)

Source: California Cancer Registry Childhood Cancer Analysis File (April 1996 and April 1997, revised).

Note: - = No cases; MC(%) = Percent of cases microscopically confirmed; CNS = central nervous system.

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Diagnostic Group--International Classification of Childhood Cancer (ICCC) ¹	New Cases 1990-94				Microscopically Confirmed					
	Total	Percent	Median Age	MC (%)	New Cases 1990-94			Annual Rate		
					Total	Male	Female	Total	Male	Female
	Non-Hispanic White									
All Sites Combined	2,409	100.0	5.0	96.4	2,322	1,269	1,053	14.08	14.90	13.21
Leukemia	773	32.1	4.0	99.2	767	436	331	4.53	5.05	3.98
Lymphoid leukemia	633	26.3	4.0	99.2	628	370	258	3.69	4.26	3.09
Acute non-lymphocytic leukemia	112	4.6	4.0	99.1	111	51	60	0.66	0.61	0.72
Chronic myeloid leukemia	12	0.5	7.5	100.0	12	8	4	0.08	0.10	0.05
Other specified leukemias	2	0.1	2.0	100.0	2	1	1	0.01	0.01	0.01
Unspecified leukemias	14	0.6	2.0	100.0	14	6	8	0.08	0.07	0.10
Lymphomas & Other Reticuloendothelial Neoplasms	242	10.0	9.5	98.8	239	148	91	1.60	1.91	1.28
Hodgkin's disease	91	3.8	12.0	100.0	91	50	41	0.65	0.69	0.61
Non-Hodgkin's lymphoma	96	4.0	7.5	100.0	96	58	38	0.62	0.72	0.52
Burkitt's lymphoma	43	1.8	7.0	97.7	42	34	8	0.26	0.42	0.10
Other reticuloendothelial neoplasms	5	0.2	2.0	80.0	4	2	2	0.02	0.02	0.03
Unspecified lymphomas	7	0.3	7.0	85.7	6	4	2	0.04	0.05	0.02
CNS and Miscellaneous Intracranial & Intraspinal Neoplasms	550	22.8	5.0	90.4	497	262	235	3.04	3.07	3.02
Ependymoma	47	2.0	3.0	100.0	47	23	24	0.27	0.25	0.30
Astrocytoma	266	11.0	6.0	97.7	260	130	130	1.62	1.57	1.67
Primitive neuroectodermal tumors	154	6.4	4.0	98.7	152	93	59	0.91	1.06	0.76
Other gliomas	76	3.2	5.0	40.8	31	13	18	0.19	0.15	0.24
Miscellaneous intracranial and intraspinal neoplasms	4	0.2	5.0	100.0	4	1	3	0.02	0.01	0.04
Unspecified intracranial and intraspinal neoplasms	3	0.1	11.0	100.0	3	2	1	0.02	0.02	0.02
Sympathetic Nervous System Tumors	190	7.9	1.0	97.9	186	101	85	1.00	1.04	0.95
Neuroblastoma and ganglioneuroblastoma	187	7.8	1.0	97.9	183	99	84	0.98	1.02	0.94
Other sympathetic nervous system tumors	3	0.1	4.0	100.0	3	2	1	0.02	0.02	0.01
Retinoblastoma	76	3.2	1.0	84.2	64	37	27	0.33	0.38	0.29
Renal Tumors	130	5.4	3.0	98.5	128	63	65	0.72	0.69	0.76
Wilms' tumor, rhabdoid, and clear cell sarcoma	130	5.4	3.0	98.5	128	63	65	0.72	0.69	0.76
Renal carcinoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Unspecified malignant renal tumors	0	-	-	-	-	-	-	0.00	0.00	0.00

(Table Continues)

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Diagnostic Group--International Classification of Childhood Cancer (ICCC) ¹	New Cases 1990-94				Microscopically Confirmed					
	Total	Percent	Median Age	MC (%)	New Cases 1990-94			Annual Rate		
					Total	Male	Female	Total	Male	Female
	Non-Hispanic White									
Hepatic Tumors	35	1.5	1.0	100.0	35	20	15	0.19	0.21	0.16
Hepatoblastoma	30	1.2	1.0	100.0	30	15	15	0.16	0.15	0.16
Hepatic carcinoma	5	0.2	3.0	100.0	5	5	0	0.03	0.06	0.00
Unspecified malignant hepatic tumors	0	-	-	-	-	-	-	0.00	0.00	0.00
Malignant Bone Tumors	110	4.6	11.0	99.1	109	60	49	0.76	0.82	0.70
Osteosarcoma	59	2.4	11.0	98.3	58	33	25	0.41	0.46	0.36
Chondrosarcoma	2	0.1	7.0	100.0	2	1	1	0.01	0.01	0.01
Ewing's sarcoma	44	1.8	11.0	100.0	44	24	20	0.31	0.32	0.29
Other specified malignant bone tumors	4	0.2	7.0	100.0	4	2	2	0.03	0.02	0.03
Unspecified malignant bone tumors	1	0.0	10.0	100.0	1	0	1	0.01	0.00	0.02
Soft-Tissue Sarcomas	125	5.2	7.0	99.2	124	67	57	0.78	0.81	0.74
Rhabdomyosarcoma and embryonal sarcoma	69	2.9	5.0	98.6	68	40	28	0.41	0.47	0.35
Fibrosarcoma, neurofibrosarcoma, and others	20	0.8	9.5	100.0	20	11	9	0.13	0.14	0.12
Kaposi's sarcoma	0	-	-	-	0	0	0	0.00	0.00	0.00
Other specified soft-tissue sarcomas	27	1.1	12.0	100.0	27	11	16	0.18	0.14	0.22
Unspecified soft-tissue sarcomas	9	0.4	4.0	100.0	9	5	4	0.05	0.06	0.05
Germ-Cell, Trophoblastic, & Other Gonadal Neoplasms	76	3.2	7.0	98.7	75	30	45	0.47	0.36	0.59
Intracranial & intraspinal germ-cell tumors	16	0.7	9.5	93.8	15	10	5	0.10	0.13	0.07
Other and unspecified non-gonadal germ-cell tumors	23	1.0	1.0	100.0	23	5	18	0.12	0.05	0.20
Gonadal germ-cell tumors	26	1.1	10.0	100.0	26	15	11	0.17	0.18	0.15
Gonadal carcinomas	8	0.3	12.5	100.0	8	0	8	0.06	0.00	0.12
Other and unspecified malignant gonadal tumors	3	0.1	12.0	100.0	3	0	3	0.02	0.00	0.05
Carcinomas and Other Malignant Epithelial Neoplasms	86	3.6	12.0	96.5	83	37	46	0.57	0.49	0.66
Adrenocortical carcinoma	4	0.2	8.5	100.0	4	1	3	0.03	0.01	0.04
Thyroid carcinoma	30	1.2	13.0	100.0	30	10	20	0.21	0.14	0.29
Nasopharyngeal carcinoma	4	0.2	13.5	100.0	4	2	2	0.03	0.03	0.03
Malignant melanoma	28	1.2	11.0	96.4	27	17	10	0.18	0.22	0.14
Skin carcinoma	2	0.1	8.0	100.0	2	0	2	0.01	0.00	0.03
Other and unspecified carcinomas	18	0.7	11.0	88.9	16	7	9	0.11	0.09	0.13
Other and Unspecified Malignant Neoplasms	7	0.3	3.0	85.7	6	4	2	0.03	0.04	0.03
Other specified malignant tumors	3	0.1	3.0	100.0	3	3	0	0.02	0.03	0.00
Other unspecified malignant tumors	4	0.2	3.5	75.0	3	1	2	0.02	0.01	0.03
Letterer-Siwe Disease ²	9	0.4	1.0	100.0	9	4	5	0.05	0.04	0.06

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