

USA, California (1998-2012)

	Number of cases							Percentage				Incidence rates per million person-years							MV % 0-19	DCO % 0-19		
	Age group							0-14		0-19		Age-specific					Cumulative					
	0	1-4	5-9	10-14	15-19	0-14	0-19	All	Group	All	Group	0	1-4	5-9	10-14	15-19	0-14	ASR			0-19	0-14
I LEUKAEMIA	404	2998	1792	1360	1401	6554	7955	35.0	100.0	28.9	100.0	52.8	98.9	46.9	34.3	35.5	59.8	54.3	854	1032	98.8	0.4
a. Lymphoid	167	2556	1507	957	815	5187	6002	27.7	79.1	21.8	75.4	21.8	84.4	39.5	24.1	20.6	47.5	41.5	677	780	99.6	0.2
b. Acute myeloid	167	350	209	297	379	1023	1402	5.5	15.6	5.1	17.6	21.8	11.6	5.5	7.5	9.6	9.2	9.3	133	181	99.2	0.1
c. CMD	18	19	27	71	140	135	275	0.7	2.1	1.0	3.5	2.4	0.6	0.7	1.8	3.5	1.1	1.7	17	35	87.6	2.9
d. MDS & other	35	50	24	21	35	130	165	0.7	2.0	0.6	2.1	4.6	1.7	0.6	0.5	0.9	1.2	1.1	17	21	95.8	1.2
e. Unspecified	17	23	25	14	32	79	111	0.4	1.2	0.4	1.4	2.2	0.8	0.7	0.4	0.8	0.7	0.7	10	14	86.5	6.3
II LYMPHOMA & RELATED	94	330	561	937	1714	1922	3636	10.3	100.0	13.2	100.0	12.3	10.9	14.7	23.6	43.4	15.9	22.1	248	464	98.9	0.4
a. Hodgkin	0	44	172	459	1039	675	1714	3.6	35.1	6.2	47.1	-	1.5	4.5	11.6	26.3	5.3	10.0	86	218	99.8	0.1
b. Non-Hodgkin except BL	13	123	235	343	548	714	1262	3.8	37.1	4.6	34.7	1.7	4.1	6.2	8.7	13.9	5.9	7.7	92	161	99.3	0.2
c. Burkitt (BL)	3	57	105	96	80	261	341	1.4	13.6	1.2	9.4	0.4	1.9	2.7	2.4	2.0	2.2	2.2	34	44	100.0	0.0
d. Lymphoreticular	77	101	44	29	27	251	278	1.3	13.1	1.0	7.6	10.1	3.3	1.2	0.7	0.7	2.4	2.0	33	36	96.8	1.4
e. Unspecified	1	5	5	10	20	21	41	0.1	1.1	0.1	1.1	0.1	0.2	0.1	0.3	0.5	0.2	0.3	3	5	56.1	12.2
III CNS NEOPLASMS †	278	1281	1344	1141	1329	4044	5373	21.6	100.0	19.5	100.0	36.3	42.3	35.2	28.8	33.6	35.6	35.2	525	693	83.0	0.6
a. Ependymoma	55	174	100	75	96	404	500	2.2	10.0	1.8	9.3	7.2	5.7	2.6	1.9	2.4	3.7	3.4	53	65	98.6	0.0
b. Astrocytoma	88	507	558	471	426	1624	2050	8.7	40.2	7.4	38.2	11.5	16.7	14.6	11.9	10.8	14.2	13.5	211	265	90.6	0.2
c. CNS embryonal	83	338	292	167	121	880	1001	4.7	21.8	3.6	18.6	10.9	11.2	7.6	4.2	3.1	8.0	6.9	115	130	98.7	0.3
d. Other gliomas	22	135	235	157	113	549	662	2.9	13.6	2.4	12.3	2.9	4.5	6.2	4.0	2.9	4.7	4.3	71	86	42.3	0.9
e. Other specified	22	109	147	256	548	534	1082	2.8	13.2	3.9	20.1	2.9	3.6	3.8	6.5	13.9	4.5	6.6	69	138	75.0	0.4
f. Unspecified CNS	8	18	12	15	25	53	78	0.3	1.3	0.3	1.5	1.0	0.6	0.3	0.4	0.6	0.5	0.5	7	10	42.3	15.4
IV NEUROBLASTOMA	322	549	126	42	28	1039	1067	5.5	100.0	3.9	100.0	42.1	18.1	3.3	1.1	0.7	10.3	8.1	137	140	98.3	0.5
a. (Ganglio)neuroblastoma	321	547	122	35	10	1025	1035	5.5	98.7	3.8	97.0	42.0	18.1	3.2	0.9	0.3	10.1	7.9	135	136	98.5	0.5
b. Peripheral nervous	1	2	4	7	18	14	32	0.1	1.3	0.1	3.0	0.1	0.1	0.1	0.2	0.5	0.1	0.2	2	4	93.8	0.0
V RETINOBLASTOMA	205	287	21	3	1	516	517	2.8	100.0	1.9	100.0	26.8	9.5	0.5	0.1	0.0	5.2	4.0	68	68	81.6	0.4
VI RENAL TUMOURS	107	532	173	30	44	842	886	4.5	100.0	3.2	100.0	14.0	17.6	4.5	0.8	1.1	8.2	6.6	111	116	99.1	0.3
a. Nephroblastoma	106	530	163	19	9	818	827	4.4	97.1	3.0	93.3	13.9	17.5	4.3	0.5	0.2	8.0	6.3	108	109	99.4	0.2
b. Renal carcinoma	1	0	10	11	35	22	57	0.1	2.6	0.2	6.4	0.1	-	0.3	0.3	0.9	0.2	0.3	3	7	98.2	1.8
c. Unspecified	0	2	0	0	0	2	2	0.0	0.2	0.0	0.2	-	0.1	-	-	-	0.0	0.0	0	0	0.0	0.0
VII HEPATIC TUMOURS	103	184	33	44	59	364	423	1.9	100.0	1.5	100.0	13.5	6.1	0.9	1.1	1.5	3.5	3.1	48	55	96.7	0.5
a. Hepatoblastoma	100	177	25	19	5	321	326	1.7	88.2	1.2	77.1	13.1	5.8	0.7	0.5	0.1	3.2	2.5	42	43	96.3	0.3
b. Hepatic carcinoma	3	7	8	25	54	43	97	0.2	11.8	0.4	22.9	0.4	0.2	0.2	0.6	1.4	0.4	0.6	6	12	97.9	1.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	6	54	210	530	569	800	1369	4.3	100.0	5.0	100.0	0.8	1.8	5.5	13.4	14.4	6.3	8.1	102	174	98.6	0.1
a. Osteosarcoma	0	9	130	363	341	502	843	2.7	62.7	3.1	61.6	-	0.3	3.4	9.2	8.6	3.8	4.9	64	107	99.3	0.0
b. Chondrosarcoma	0	0	4	18	29	22	51	0.1	2.8	0.2	3.7	-	-	0.1	0.5	0.7	0.2	0.3	3	6	100.0	0.0
c. Ewing & related	3	41	60	132	151	236	387	1.3	29.5	1.4	28.3	0.4	1.4	1.6	3.3	3.8	1.9	2.3	30	49	98.7	0.3
d. Other specified	2	4	10	14	37	30	67	0.2	3.8	0.2	4.9	0.3	0.1	0.3	0.4	0.9	0.2	0.4	4	9	98.5	0.0
e. Unspecified	1	0	6	3	11	10	21	0.1	1.3	0.1	1.5	0.1	-	0.2	0.1	0.3	0.1	0.1	1	3	66.7	4.8
IX SOFT TISSUE SARCOMA	117	302	315	426	639	1160	1799	6.2	100.0	6.5	100.0	15.3	10.0	8.2	10.7	16.2	10.1	11.4	150	231	99.6	0.3
a. Rhabdomyosarcoma	45	224	169	138	128	576	704	3.1	49.7	2.6	39.1	5.9	7.4	4.4	3.5	3.2	5.2	4.7	75	91	100.0	0.0
b. Fibrosarcoma	32	14	27	42	74	115	189	0.6	9.9	0.7	10.5	4.2	0.5	0.7	1.1	1.9	1.0	1.2	15	24	100.0	0.0
c. Kaposi sarcoma	1	0	0	1	2	2	4	0.0	0.2	0.0	0.2	0.1	-	-	0.0	0.1	0.0	0.0	0	1	100.0	0.0
d. Other specified	25	52	98	194	380	369	749	2.0	31.8	2.7	41.6	3.3	1.7	2.6	4.9	9.6	3.0	4.5	47	96	99.9	0.1
e. Unspecified	14	12	21	51	55	98	153	0.5	8.4	0.6	8.5	1.8	0.4	0.5	1.3	1.4	0.8	0.9	13	20	96.1	3.3
X GERM CELL TUMOURS	150	122	120	358	1302	750	2052	4.0	100.0	7.4	100.0	19.6	4.0	3.1	9.0	33.0	6.4	12.4	97	261	97.6	0.2
a. CNS germ cell ‡	15	14	53	136	130	218	348	1.2	29.1	1.3	17.0	2.0	0.5	1.4	3.4	3.3	1.7	2.1	28	44	90.8	0.3
b. Other extragonadal	93	39	8	19	97	159	256	0.8	21.2	0.9	12.5	12.2	1.3	0.2	0.5	2.5	1.6	1.8	21	33	96.5	0.0
c. Gonadal germ cell	39	67	54	184	1000	344	1344	1.8	45.9	4.9	65.5	5.1	2.2	1.4	4.6	25.3	2.9	7.9	44	171	99.7	0.1
d. Gonadal carcinoma	0	0	1	10	58	11	69	0.1	1.5	0.3	3.4	-	-	0.0	0.3	1.5	0.1	0.4	1	9	98.6	1.4
e. Unspecified gonadal	3	2	4	9	17	18	35	0.1	2.4	0.1	1.7	0.4	0.1	0.1	0.2	0.4	0.2	0.2	2	4	91.4	2.9
XI CARCINOMA & MELANOMA	10	58	133	496	1706	697	2403	3.7	100.0	8.7	100.0	1.3	1.9	3.5	12.5	43.2	5.5	13.9	89	305	99.3	0.2
a. Adrenocortical	2	13	5	11	4	31	35	0.2	4.4	0.1	1.5	0.3	0.4	0.1	0.3	0.1	0.3	0.2	4	5	97.1	0.0
b. Thyroid	1	5	49	197	771	252	1023	1.3	36.2	3.7	42.6	0.1	0.2	1.3	5.0	19.5	1.9	5.9	32	130	99.7	0.2
c. Nasopharyngeal	0	0	3	27	50	30	80	0.2	4.3	0.3	3.3	-	-	0.1	0.7	1.3	0.2	0.5	4	10	100.0	0.0
d. Melanoma	5	36	49	136	504	226	730	1.2	32.4	2.6	30.4	0.7	1.2	1.3	3.4	12.8	1.8	4.3	29	93	99.0	0.0
e. Skin carcinoma	1	0	0	6	10	7	17	0.0	1.0	0.1	0.7	0.1	-	-	0.2	0.3	0.1	0.1	1	2	94.1	0.0
f. Other & unspecified	1	4	27	119	367	151	518	0.8	21.7	1.9	21.6	0.1	0.1	0.7	3.0	9.3	1.2	3.0	19	66	99.0	0.4
XII OTHER & UNSPECIFIED	9	20	7	18	36	54	90	0.3	100.0	0.3	100.0	1.2	0.7	0.2	0.5	0.9	0.5	0.6	7	12	87.8	5.6
a. Other specified	8	15	2	12	19	37	56	0.2	68.5	0.2	62.2	1.0	0.5	0.1	0.3	0.5	0.3	0.4	5	7	100.0	0.0
b. Other unspecified	1	5	5	6	17	17	34	0.1	31.5	0.1	37.8	0.1	0.2	0.1	0.2	0.4	0.1	0.2	2	4	67.6	14.7
TOTAL	1805	6717	4835	5385	8828	18742	27570	100.0	100.0	100.0	100.0	236.0	221.7	126.6	135.9	223.5	167.2	179.9	2435	3552	95.4	0.4

† includes 1279 non-malignant ‡ includes 20 non-malignant

Please consult the quality indicators for this registry

USA, California (1998-2012)

	Males										M/F ratio		Females											
	Number of cases in age groups										0-14	0-19	Number of cases in age groups										0-14	0-19
	0	1-4	5-9	10-14	15-19	0-14	0-19	ASR per million	0-14	0-19			0	1-4	5-9	10-14	15-19	0-14	0-19	ASR per million	0-14	0-19		
I LEUKAEMIA	206	1681	980	748	864	3615	4479	64.5	59.5	1.2	1.3	198	1317	812	612	537	2939	3476	54.9	48.9				
a. Lymphoid	90	1437	831	529	549	2887	3436	51.7	46.1	1.3	1.3	77	1119	676	428	266	2300	2566	43.1	36.5				
b. Acute myeloid	81	190	110	159	198	540	738	9.5	9.5	1.1	1.1	86	160	99	138	181	483	664	8.9	9.0				
c. CMD	5	12	13	39	84	69	153	1.1	1.8	1.0	1.3	13	7	14	32	56	66	122	1.1	1.5				
d. MDS & other	19	27	12	12	13	70	83	1.3	1.1	1.2	1.0	16	23	12	9	22	60	82	1.2	1.2				
e. Unspecified	11	15	14	9	20	49	69	0.9	0.9	1.6	1.6	6	8	11	5	12	30	42	0.6	0.6				
II LYMPHOMA & RELATED	49	218	401	562	946	1230	2176	20.0	25.9	1.8	1.5	45	112	160	375	768	692	1460	11.7	18.1				
a. Hodgkin	0	32	127	260	511	419	930	6.5	10.6	1.6	1.2	0	12	45	199	528	256	784	4.0	9.3				
b. Non-Hodgkin except BL	6	80	157	212	340	455	795	7.3	9.4	1.8	1.7	7	43	78	131	208	259	467	4.4	5.8				
c. Burkitt (BL)	3	46	88	75	64	212	276	3.5	3.4	4.3	4.2	0	11	17	21	16	49	65	0.8	0.8				
d. Lymphoreticular	39	58	26	12	14	135	149	2.5	2.1	1.2	1.2	38	43	18	17	13	116	129	2.3	1.9				
e. Unspecified	1	2	3	3	17	9	26	0.2	0.3	0.8	1.7	0	3	2	7	3	12	15	0.2	0.2				
III CNS NEOPLASMS †	143	710	693	620	647	2166	2813	37.3	36.0	1.2	1.1	135	571	651	521	682	1878	2560	33.8	34.3				
a. Ependymoma	31	99	50	47	59	227	286	4.1	3.8	1.3	1.3	24	75	50	28	37	177	214	3.4	3.0				
b. Astrocytoma	42	274	287	260	241	863	1104	14.8	14.1	1.1	1.2	46	233	271	211	185	761	946	13.7	12.8				
c. CNS embryonal	49	199	174	103	71	525	596	9.3	8.0	1.5	1.5	34	139	118	64	50	355	405	6.6	5.7				
d. Other gliomas	9	65	106	70	63	250	313	4.2	4.0	0.8	0.9	13	70	129	87	50	299	349	5.3	4.7				
e. Other specified	9	62	71	134	201	276	477	4.5	5.7	1.1	0.8	13	47	76	122	347	258	605	4.4	7.5				
f. Unspecified CNS	3	11	5	6	12	25	37	0.4	0.5	0.9	0.9	5	7	7	9	13	28	41	0.5	0.5				
IV NEUROBLASTOMA	185	281	71	14	18	551	569	10.7	8.5	1.1	1.1	137	268	55	28	10	488	498	9.8	7.7				
a. (Ganglio)neuroblastoma	185	280	68	14	6	547	553	10.6	8.3	1.1	1.1	136	267	54	21	4	478	482	9.7	7.5				
b. Peripheral nervous	0	1	3	0	12	4	16	0.1	0.2	0.4	1.0	1	1	1	7	6	10	16	0.2	0.2				
V RETINOBLASTOMA	117	162	9	1	0	289	289	5.7	4.4	1.3	1.3	88	125	12	2	1	227	228	4.7	3.6				
VI RENAL TUMOURS	57	260	73	13	22	403	425	7.7	6.2	0.9	0.9	50	272	100	17	22	439	461	8.7	7.0				
a. Nephroblastoma	57	259	67	7	3	390	393	7.5	5.9	0.9	0.9	49	271	96	12	6	428	434	8.5	6.7				
b. Renal carcinoma	0	0	6	6	19	12	31	0.2	0.4	1.2	1.2	1	0	4	5	16	10	26	0.2	0.3				
c. Unspecified	0	1	0	0	0	1	1	0.0	0.0	1.0	1.0	0	1	0	0	0	1	1	0.0	0.0				
VII HEPATIC TUMOURS	61	124	17	23	36	225	261	4.3	3.7	1.6	1.6	42	60	16	21	23	139	162	2.7	2.4				
a. Hepatoblastoma	60	119	11	10	4	200	204	3.9	3.1	1.7	1.7	40	58	14	9	1	121	122	2.4	1.9				
b. Hepatic carcinoma	1	5	6	13	32	25	57	0.4	0.7	1.4	1.4	2	2	2	12	22	18	40	0.3	0.5				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VIII BONE TUMOURS	3	34	110	283	368	430	798	6.6	9.2	1.2	1.4	3	20	100	247	201	370	571	5.9	7.0				
a. Osteosarcoma	0	4	69	178	219	251	470	3.8	5.3	1.0	1.3	0	5	61	185	122	251	373	3.9	4.5				
b. Chondrosarcoma	0	0	3	14	19	17	36	0.2	0.4	3.4	2.4	0	0	1	4	10	5	15	0.1	0.2				
c. Ewing & related	1	28	29	83	104	141	245	2.2	2.9	1.5	1.7	2	13	31	49	47	95	142	1.6	1.8				
d. Other specified	1	2	6	7	19	16	35	0.3	0.4	1.1	1.1	1	2	4	7	18	14	32	0.2	0.4				
e. Unspecified	1	0	3	1	7	5	12	0.1	0.1	1.0	1.3	0	0	3	2	4	5	9	0.1	0.1				
IX SOFT TISSUE SARCOMA	73	173	180	222	331	648	979	11.1	12.2	1.3	1.2	44	129	135	204	308	512	820	9.0	10.6				
a. Rhabdomyosarcoma	31	130	104	75	74	340	414	6.0	5.5	1.4	1.4	14	94	65	63	54	236	290	4.3	4.0				
b. Fibrosarcoma	18	6	10	21	33	55	88	0.9	1.1	0.9	0.9	14	8	17	21	41	60	101	1.1	1.3				
c. Kaposi sarcoma	1	0	0	1	2	2	4	0.0	0.0	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	16	29	54	96	194	195	389	3.2	4.6	1.1	1.1	9	23	44	98	186	174	360	2.9	4.4				
e. Unspecified	7	8	12	29	28	56	84	0.9	1.0	1.3	1.2	7	4	9	22	27	42	69	0.7	0.9				
X GERM CELL TUMOURS	85	81	37	165	971	368	1339	6.3	15.6	1.0	1.9	65	41	83	193	331	382	713	6.5	9.0				
a. CNS germ cell ‡	6	8	30	111	111	155	266	2.4	3.1	2.5	3.2	9	6	23	25	19	63	82	1.1	1.1				
b. Other extragonadal	39	12	3	14	71	68	139	1.3	1.8	0.7	1.2	54	27	5	5	26	91	117	1.9	1.7				
c. Gonadal germ cell	38	59	4	40	784	141	925	2.6	10.6	0.7	2.2	1	8	50	144	216	203	419	3.2	5.0				
d. Gonadal carcinoma	0	0	0	0	3	0	3	-	0.0	0.0	0.0	0	0	1	10	55	11	66	0.2	0.8				
e. Unspecified gonadal	2	2	0	0	2	4	6	0.1	0.1	0.3	0.2	1	0	4	9	15	14	29	0.2	0.4				
XI CARCINOMA & MELANOMA	4	25	54	171	540	254	794	3.9	9.0	0.6	0.5	6	33	79	325	1166	443	1609	7.1	19.2				
a. Adrenocortical	1	3	2	5	3	11	14	0.2	0.2	0.6	0.7	1	10	3	6	1	20	21	0.4	0.3				
b. Thyroid	0	2	14	37	122	53	175	0.8	2.0	0.3	0.2	1	3	35	160	649	199	848	3.1	10.1				
c. Nasopharyngeal	0	0	2	22	35	24	59	0.3	0.7	4.0	2.8	0	0	1	5	15	6	21	0.1	0.2				
d. Melanoma	2	18	25	61	215	106	321	1.7	3.7	0.9	0.8	3	18	24	75	289	120	409	2.0	4.9				
e. Skin carcinoma	0	0	0	4	5	4	9	0.1	0.1	1.3	1.1	1	0	0	2	5	3	8	0.1	0.1				
f. Other & unspecified	1	2	11	42	160	56	216	0.8	2.4	0.6	0.7	0	2	16	77	207	95	302	1.5	3.6				
XII OTHER & UNSPECIFIED	3	12	5	8	12	28	40	0.5	0.5	1.1	0.8	6	8	2	10	24	26	50	0.5	0.7				
a. Other specified	2	9	2	6	9	19	28	0.3	0.4	1.1	1.0	6	6	0	6	10	18	28	0.3	0.4				
b. Other unspecified	1	3	3	2	3	9	12	0.2	0.2	1.1	0.5	0	2	2	4	14	8	22	0.1	0.3				
TOTAL	986	3761	2630	2830	4755	10207	14962	178.6	190.7	1.2	1.2	819	2956	2205	2555	4073	8535	12608	155.3	168.4				

† includes 571 non-malignant in males and 708 non-malignant in females ‡ includes 13 non-malignant in males and 7 non-malignant in females

Please consult the quality indicators for this registry

USA, California (1998-2012)

	Age group	Males	Females
Person-years	0	3 912 169	3 737 243
	1-4	15 496 746	14 804 577
	5-9	19 534 284	18 661 894
	10-14	20 292 279	19 342 146
	15-19	20 451 932	19 054 773
Total	0-14	59 235 478	56 545 860
	0-19	79 687 410	75 600 633
Average annual population	0-14	3 949 032	3 769 724
	0-19	5 312 494	5 040 042

Please consult the quality indicators for this registry