

USA, California, NH White (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	119	952	576	388	439	2035	2474	30.2	100.0	23.4	100.0	50.4	100.2	46.1	28.3	31.1	58.0	52.0	823	979	98.5	0.6
a. Lymphoid	43	818	475	262	214	1598	1812	23.7	78.5	17.2	73.2	18.2	86.1	38.0	19.1	15.1	45.9	39.0	648	724	99.3	0.6
b. Acute myeloid	51	110	68	86	147	315	462	4.7	15.5	4.4	18.7	21.6	11.6	5.4	6.3	10.4	8.8	9.2	126	178	99.6	0.0
c. CMD	8	6	12	28	54	54	108	0.8	2.7	1.0	4.4	3.4	0.6	1.0	2.0	3.8	1.4	1.9	21	40	86.1	1.9
d. MDS & other	12	12	12	8	13	44	57	0.7	2.2	0.5	2.3	5.1	1.3	1.0	0.6	0.9	1.3	1.2	18	22	96.5	1.8
e. Unspecified	5	6	9	4	11	24	35	0.4	1.2	0.3	1.4	2.1	0.6	0.7	0.3	0.8	0.7	0.7	10	14	82.9	5.7
II LYMPHOMA & RELATED	26	91	190	354	833	661	1494	9.8	100.0	14.2	100.0	11.0	9.6	15.2	25.8	59.0	16.2	25.8	254	549	99.1	0.3
a. Hodgkin	0	7	47	175	538	229	767	3.4	34.6	7.3	51.3	-	0.7	3.8	12.8	38.1	5.1	12.6	86	276	99.7	0.1
b. Non-Hodgkin except BL	3	38	80	113	237	234	471	3.5	35.4	4.5	31.5	1.3	4.0	6.4	8.2	16.8	5.8	8.3	91	174	99.6	0.2
c. Burkitt (BL)	1	19	51	52	39	123	162	1.8	18.6	1.5	10.8	0.4	2.0	4.1	3.8	2.8	3.1	3.0	48	62	100.0	0.0
d. Lymphoreticular	22	26	11	11	12	70	82	1.0	10.6	0.8	5.5	9.3	2.7	0.9	0.8	0.8	2.1	1.8	29	33	95.1	1.2
e. Unspecified	0	1	1	3	7	5	12	0.1	0.8	0.1	0.8	-	0.1	0.1	0.2	0.5	0.1	0.2	2	4	58.3	8.3
III CNS NEOPLASMS †	102	528	577	540	609	1747	2356	26.0	100.0	22.3	100.0	43.2	55.6	46.2	39.4	43.1	46.9	46.0	693	909	84.2	0.8
a. Ependymoma	25	62	31	29	43	147	190	2.2	8.4	1.8	8.1	10.6	6.5	2.5	2.1	3.0	4.3	4.0	60	75	98.4	0.0
b. Astrocytoma	30	226	262	247	217	765	982	11.4	43.8	9.3	41.7	12.7	23.8	21.0	18.0	15.4	20.3	19.2	303	380	89.6	0.4
c. CNS embryonal	25	137	122	72	56	356	412	5.3	20.4	3.9	17.5	10.6	14.4	9.8	5.3	4.0	10.0	8.6	143	163	99.8	0.0
d. Other gliomas	9	45	89	78	58	221	279	3.3	12.7	2.6	11.8	3.8	4.7	7.1	5.7	4.1	5.7	5.3	87	107	48.0	1.4
e. Other specified	9	50	67	105	222	231	453	3.4	13.2	4.3	19.2	3.8	5.3	5.4	7.7	15.7	5.9	8.1	90	169	78.1	0.4
f. Unspecified CNS	4	8	6	9	13	27	40	0.4	1.5	0.4	1.7	1.7	0.8	0.5	0.7	0.9	0.7	0.8	11	15	45.0	20.0
IV NEUROBLASTOMA	127	221	63	20	17	431	448	6.4	100.0	4.2	100.0	53.8	23.3	5.0	1.5	1.2	13.4	10.7	179	185	99.1	0.4
a. (Ganglio)neuroblastoma	127	221	62	17	9	427	436	6.3	99.1	4.1	97.3	53.8	23.3	5.0	1.2	0.6	13.3	10.5	178	181	99.1	0.5
b. Peripheral nervous	0	0	1	3	8	4	12	0.1	0.9	0.1	2.7	-	-	0.1	0.2	0.6	0.1	0.2	1	4	100.0	0.0
V RETINOBLASTOMA	56	70	9	1	1	136	137	2.0	100.0	1.3	100.0	23.7	7.4	0.7	0.1	0.1	4.4	3.4	57	57	80.3	0.7
VI RENAL TUMOURS	39	208	72	15	21	334	355	5.0	100.0	3.4	100.0	16.5	21.9	5.8	1.1	1.5	10.2	8.3	138	146	99.2	0.3
a. Nephroblastoma	38	207	66	10	6	321	327	4.8	96.1	3.1	92.1	16.1	21.8	5.3	0.7	0.4	9.9	7.8	133	135	99.4	0.3
b. Renal carcinoma	1	0	6	5	15	12	27	0.2	3.6	0.3	7.6	0.4	-	0.5	0.4	1.1	0.3	0.5	5	10	100.0	0.0
c. Unspecified	0	1	0	0	0	1	1	0.0	0.3	0.0	0.3	-	0.1	-	-	-	0.0	0.0	0	0	0.0	0.0
VII HEPATIC TUMOURS	33	61	12	16	20	122	142	1.8	100.0	1.3	100.0	14.0	6.4	1.0	1.2	1.4	3.7	3.2	50	57	95.8	1.4
a. Hepatoblastoma	32	57	6	5	3	100	103	1.5	82.0	1.0	72.5	13.5	6.0	0.5	0.4	0.2	3.2	2.5	42	43	96.1	1.0
b. Hepatic carcinoma	1	4	6	11	17	22	39	0.3	18.0	0.4	27.5	0.4	0.4	0.5	0.8	1.2	0.6	0.7	9	15	94.9	2.6
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	2	22	82	202	249	308	557	4.6	100.0	5.3	100.0	0.8	2.3	6.6	14.7	17.6	7.2	9.5	117	205	98.6	0.2
a. Osteosarcoma	0	2	41	127	129	170	299	2.5	55.2	2.8	53.7	-	0.2	3.3	9.3	9.1	3.8	5.0	64	109	99.3	0.0
b. Chondrosarcoma	0	0	2	10	16	12	28	0.2	3.9	0.3	5.0	-	-	0.2	0.7	1.1	0.3	0.5	4	10	100.0	0.0
c. Ewing & related	1	17	34	61	81	113	194	1.7	36.7	1.8	34.8	0.4	1.8	2.7	4.5	5.7	2.8	3.4	43	72	98.5	0.5
d. Other specified	1	3	4	4	18	12	30	0.2	3.9	0.3	5.4	0.4	0.3	0.3	0.3	1.3	0.3	0.5	5	11	100.0	0.0
e. Unspecified	0	0	1	0	5	1	6	0.0	0.3	0.1	1.1	-	-	0.1	-	0.4	0.0	0.1	0	2	50.0	0.0
IX SOFT TISSUE SARCOMA	37	106	105	148	250	396	646	5.9	100.0	6.1	100.0	15.7	11.2	8.4	10.8	17.7	10.5	12.1	156	245	99.8	0.2
a. Rhabdomyosarcoma	14	83	57	49	63	203	266	3.0	51.3	2.5	41.2	5.9	8.7	4.6	3.6	4.5	5.7	5.4	82	104	100.0	0.0
b. Fibrosarcoma	7	4	9	9	26	29	55	0.4	7.3	0.5	8.5	3.0	0.4	0.7	0.7	1.8	0.8	1.0	12	21	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	13	15	35	77	146	140	286	2.1	35.4	2.7	44.3	5.5	1.6	2.8	5.6	10.3	3.4	5.0	54	106	99.7	0.3
e. Unspecified	3	4	4	13	15	24	39	0.4	6.1	0.4	6.0	1.3	0.4	0.3	0.9	1.1	0.6	0.7	9	15	100.0	0.0
X GERM CELL TUMOURS	54	41	40	92	433	227	660	3.4	100.0	6.3	100.0	22.9	4.3	3.2	6.7	30.7	6.1	11.6	90	243	97.4	0.3
a. CNS germ cell ‡	9	8	24	36	42	77	119	1.1	33.9	1.1	18.0	3.8	0.8	1.9	2.6	3.0	1.9	2.2	30	45	89.9	0.0
b. Other extragonadal	39	15	1	5	17	60	77	0.9	26.4	0.7	11.7	16.5	1.6	0.1	0.4	1.2	1.9	1.7	25	31	97.4	0.0
c. Gonadal germ cell	4	16	15	47	351	82	433	1.2	36.1	4.1	65.6	1.7	1.7	1.2	3.4	24.8	2.0	7.2	32	156	99.5	0.2
d. Gonadal carcinoma	0	0	0	3	21	3	24	0.0	1.3	0.2	3.6	-	-	-	0.2	1.5	0.1	0.4	1	9	95.8	4.2
e. Unspecified gonadal	2	2	0	1	2	5	7	0.1	2.2	0.1	1.1	0.8	0.2	-	0.1	0.1	0.2	0.1	2	3	100.0	0.0
XI CARCINOMA & MELANOMA	6	26	61	222	938	315	1253	4.7	100.0	11.9	100.0	2.5	2.7	4.9	16.2	66.4	7.3	20.6	119	451	99.4	0.2
a. Adrenocortical	1	2	1	4	2	8	10	0.1	2.5	0.1	0.8	0.4	0.2	0.1	0.3	0.1	0.2	0.2	3	4	100.0	0.0
b. Thyroid	1	2	21	68	358	92	450	1.4	29.2	4.3	35.9	0.4	0.2	1.7	5.0	25.3	2.1	7.3	34	161	99.3	0.4
c. Nasopharyngeal	0	0	0	7	12	7	19	0.1	2.2	0.2	1.5	-	-	-	0.5	0.8	0.1	0.3	3	7	100.0	0.0
d. Melanoma	4	21	29	92	407	146	553	2.2	46.3	5.2	44.1	1.7	2.2	2.3	6.7	28.8	3.5	9.2	56	200	99.5	0.0
e. Skin carcinoma	0	0	0	4	4	4	8	0.1	1.3	0.1	0.6	-	-	-	0.3	0.3	0.1	0.1	1	3	100.0	0.0
f. Other & unspecified	0	1	10	47	155	58	213	0.9	18.4	2.0	17.0	-	0.1	0.8	3.4	11.0	1.3	3.5	22	76	99.1	0.0
XII OTHER & UNSPECIFIED	4	8	2	5	15	19	34	0.3	100.0	0.3	100.0	1.7	0.8	0.2	0.4	1.1	0.5	0.7	8	13	79.4	5.9
a. Other specified	3	6	0	1	7	10	17	0.1	52.6	0.2	50.0	1.3	0.6	-	0.1	0.5	0.3	0.4	4	7	100.0	0.0
b. Other unspecified	1	2	2	4	8	9	17	0.1	47.4	0.2	50.0	0.4	0.2	0.2	0.3	0.6	0.2	0.3	4	6	58.8	11.8
TOTAL	605	2334	1789	2003	3825	6731	10556	100.0	100.0	100.0	100.0	256.1	245.6	143.1	146.2	270.8	184.5	203.9	2685	4039	95.2	0.5

† includes 545 non-malignant ‡ includes 9 non-malignant

Please consult the quality indicators for this registry

USA, California, NH White (1998-2012)

	Males										M/F ratio		Females									
	Number of cases in age groups											Number of cases in age groups									ASR per million	
	0	1-4	5-9	10-14	15-19	0-14	0-19	0-14	0-19			0	1-4	5-9	10-14	15-19	0-14	0-19	0-14	0-19		
I LEUKAEMIA	63	538	337	215	256	1153	1409	64.0	57.5	1.3	1.3	56	414	239	173	183	882	1065	51.7	46.1		
a. Lymphoid	23	465	277	145	142	910	1052	50.9	43.9	1.3	1.4	20	353	198	117	72	688	760	40.6	33.8		
b. Acute myeloid	27	63	41	47	75	178	253	9.7	9.8	1.3	1.2	24	47	27	39	72	137	209	7.9	8.5		
c. CMD	2	5	8	17	28	32	60	1.5	2.1	1.5	1.3	6	1	4	11	26	22	48	1.2	1.8		
d. MDS & other	8	3	5	4	4	20	24	1.1	1.0	0.8	0.7	4	9	7	4	9	24	33	1.4	1.4		
e. Unspecified	3	2	6	2	7	13	20	0.7	0.8	1.2	1.3	2	4	3	2	4	11	15	0.6	0.6		
II LYMPHOMA & RELATED	18	65	139	215	441	437	878	21.1	30.0	2.0	1.4	8	26	51	139	392	224	616	11.0	21.5		
a. Hodgkin	0	5	32	93	245	130	375	5.8	12.0	1.3	1.0	0	2	15	82	293	99	392	4.5	13.1		
b. Non-Hodgkin except BL	1	28	57	70	150	156	306	7.6	10.5	2.0	1.9	2	10	23	43	87	78	165	3.9	5.9		
c. Burkitt (BL)	1	16	44	45	32	106	138	5.1	5.0	6.2	5.8	0	3	7	7	7	17	24	0.9	0.9		
d. Lymphoreticular	16	15	5	5	7	41	48	2.4	2.1	1.4	1.4	6	11	6	6	5	29	34	1.7	1.5		
e. Unspecified	0	1	1	2	7	4	11	0.2	0.4	4.0	11.0	0	0	0	1	0	1	1	0.0	0.0		
III CNS NEOPLASMS †	57	302	299	298	312	956	1268	50.2	48.5	1.2	1.2	45	226	278	242	297	791	1088	43.4	43.5		
a. Ependymoma	17	37	14	20	27	88	115	5.0	4.7	1.5	1.5	8	25	17	9	16	59	75	3.5	3.2		
b. Astrocytoma	19	129	127	137	124	412	536	21.4	20.4	1.2	1.2	11	97	135	110	93	353	446	19.2	17.9		
c. CNS embryonal	15	82	76	44	38	217	255	11.8	10.3	1.6	1.6	10	55	46	28	18	139	157	8.0	6.8		
d. Other gliomas	3	19	47	31	32	100	132	5.0	4.9	0.8	0.9	6	26	42	47	26	121	147	6.4	5.8		
e. Other specified	1	31	33	60	84	125	209	6.2	7.4	1.2	0.9	8	19	34	45	138	106	244	5.6	8.9		
f. Unspecified CNS	2	4	2	6	7	14	21	0.7	0.8	1.1	1.1	2	4	4	3	6	13	19	0.7	0.8		
IV NEUROBLASTOMA	74	121	37	8	8	240	248	14.6	11.6	1.3	1.2	53	100	26	12	9	191	200	12.1	9.7		
a. (Ganglio)neuroblastoma	74	121	37	8	5	240	245	14.6	11.5	1.3	1.3	53	100	25	9	4	187	191	12.0	9.4		
b. Peripheral nervous	0	0	0	0	3	0	3	-	0.1	0.0	0.3	0	0	1	3	5	4	9	0.2	0.3		
V RETINOBLASTOMA	35	35	3	0	0	73	73	4.6	3.6	1.2	1.1	21	35	6	1	1	63	64	4.1	3.2		
VI RENAL TUMOURS	18	112	32	8	7	170	177	10.2	8.1	1.0	1.0	21	96	40	7	14	164	178	10.3	8.4		
a. Nephroblastoma	18	111	28	5	1	162	163	9.8	7.6	1.0	1.0	20	96	38	5	5	159	164	10.0	7.9		
b. Renal carcinoma	0	0	4	3	6	7	13	0.3	0.4	1.4	0.9	1	0	2	2	9	5	14	0.3	0.5		
c. Unspecified	0	1	0	0	0	1	1	0.1	0.0	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	21	43	7	5	14	76	90	4.6	4.0	1.7	1.7	12	18	5	11	6	46	52	2.8	2.3		
a. Hepatoblastoma	20	40	2	1	3	63	66	4.0	3.2	1.7	1.8	12	17	4	4	0	37	37	2.3	1.8		
b. Hepatic carcinoma	1	3	5	4	11	13	24	0.7	0.9	1.4	1.6	0	1	1	7	6	9	15	0.4	0.5		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	1	15	46	121	159	183	342	8.3	11.3	1.5	1.6	1	7	36	81	90	125	215	6.0	7.6		
a. Osteosarcoma	0	2	24	65	84	91	175	4.0	5.7	1.2	1.4	0	0	17	62	45	79	124	3.6	4.3		
b. Chondrosarcoma	0	0	2	8	9	10	19	0.4	0.6	5.0	2.1	0	0	0	2	7	2	9	0.1	0.3		
c. Ewing & related	0	12	17	44	55	73	128	3.4	4.4	1.8	1.9	1	5	17	17	26	40	66	2.0	2.4		
d. Other specified	1	1	3	4	8	9	17	0.4	0.6	3.0	1.3	0	2	1	0	10	3	13	0.2	0.5		
e. Unspecified	0	0	0	0	3	0	3	-	0.1	0.0	1.0	0	0	1	0	2	1	3	0.1	0.1		
IX SOFT TISSUE SARCOMA	19	65	55	77	121	216	337	11.3	12.5	1.2	1.1	18	41	50	71	129	180	309	9.7	11.8		
a. Rhabdomyosarcoma	8	53	32	29	33	122	155	6.7	6.2	1.5	1.4	6	30	25	20	30	81	111	4.6	4.6		
b. Fibrosarcoma	2	1	2	5	9	10	19	0.5	0.7	0.5	0.5	5	3	7	4	17	19	36	1.1	1.4		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	8	8	18	34	73	68	141	3.3	4.8	0.9	1.0	5	7	17	43	73	72	145	3.6	5.2		
e. Unspecified	1	3	3	9	6	16	22	0.8	0.8	2.0	1.3	2	1	1	4	9	8	17	0.4	0.6		
X GERM CELL TUMOURS	27	26	14	46	342	113	455	6.0	15.2	1.0	2.2	27	15	26	46	91	114	205	6.2	7.8		
a. CNS germ cell ‡	4	4	14	32	38	54	92	2.5	3.1	2.3	3.4	5	4	10	4	4	23	27	1.3	1.1		
b. Other extragonadal	18	5	0	2	10	25	35	1.5	1.5	0.7	0.8	21	10	1	3	7	35	42	2.3	2.0		
c. Gonadal germ cell	4	15	0	12	292	31	323	1.7	10.3	0.6	2.9	0	1	15	35	59	51	110	2.4	3.8		
d. Gonadal carcinoma	0	0	0	0	2	0	2	-	0.1	0.0	0.1	0	0	0	3	19	3	22	0.1	0.7		
e. Unspecified gonadal	1	2	0	0	0	3	3	0.2	0.1	1.5	0.8	1	0	0	1	2	2	4	0.1	0.2		
XI CARCINOMA & MELANOMA	2	12	24	86	307	124	431	5.6	13.8	0.6	0.5	4	14	37	136	631	191	822	9.1	27.8		
a. Adrenocortical	0	0	0	3	2	3	5	0.1	0.2	0.6	1.0	1	2	1	1	0	5	5	0.3	0.2		
b. Thyroid	0	1	7	17	55	25	80	1.1	2.6	0.4	0.2	1	1	14	51	303	67	370	3.1	12.4		
c. Nasopharyngeal	0	0	0	5	9	5	14	0.2	0.4	2.5	2.8	0	0	0	2	3	2	5	0.1	0.2		
d. Melanoma	2	11	15	40	172	68	240	3.2	7.8	0.9	0.8	2	10	14	52	235	78	313	3.8	10.7		
e. Skin carcinoma	0	0	0	2	2	2	4	0.1	0.1	1.0	1.0	0	0	0	2	2	2	4	0.1	0.1		
f. Other & unspecified	0	0	2	19	67	21	88	0.9	2.8	0.6	0.7	0	1	8	28	88	37	125	1.7	4.2		
XII OTHER & UNSPECIFIED	1	8	1	2	6	12	18	0.7	0.7	1.7	1.1	3	0	1	3	9	7	16	0.4	0.6		
a. Other specified	0	6	0	1	4	7	11	0.4	0.5	2.3	1.8	3	0	0	0	3	3	6	0.2	0.3		
b. Other unspecified	1	2	1	1	2	5	7	0.3	0.3	1.3	0.7	0	0	1	3	6	4	10	0.2	0.3		
TOTAL	336	1342	994	1081	1973	3753	5726	201.3	216.8	1.3	1.2	269	992	795	922	1852	2978	4830	166.8	190.3		

† includes 258 non-malignant in males and 287 non-malignant in females ‡ includes 6 non-malignant in males and 3 non-malignant in females

Please consult the quality indicators for this registry

USA, California, NH White (1998-2012)

	Age group	Males	Females
Person-years	0	1 211 997	1 150 791
	1-4	4 873 941	4 629 257
	5-9	6 423 675	6 078 845
	10-14	7 033 022	6 666 032
	15-19	7 300 997	6 825 923
Total	0-14	19 542 635	18 524 925
	0-19	26 843 632	25 350 848
Average annual population	0-14	1 302 842	1 234 995
	0-19	1 789 575	1 690 057

Please consult the quality indicators for this registry