



## USA, SEER 9, White (1993-2012)

	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		
<b>I LEUKAEMIA</b>	131	1106	602	438	479	2277	2756	57.0	51.8	1.2	1.2	125	948	474	337	331	1884	2215	49.9	44.2				
a. Lymphoid	39	965	517	301	284	1822	2106	45.8	40.0	1.2	1.3	67	816	396	238	152	1517	1669	40.4	33.8				
b. Acute myeloid	55	102	57	94	141	308	449	7.6	8.1	1.2	1.2	43	94	53	71	120	261	381	6.8	7.3				
c. CMD	9	10	7	22	36	48	84	1.1	1.4	1.3	1.1	2	11	8	15	38	36	74	0.9	1.3				
d. MDS & other	19	16	10	10	6	55	61	1.4	1.2	1.7	1.5	5	14	8	6	9	33	42	0.9	0.8				
e. Unspecified	9	13	11	11	12	44	56	1.1	1.0	1.2	1.1	8	13	9	7	12	37	49	1.0	1.0				
<b>II LYMPHOMA &amp; RELATED</b>	19	128	300	433	841	880	1721	19.8	28.6	1.6	1.4	14	80	133	308	704	535	1239	12.6	21.6				
a. Hodgkin	0	12	72	173	491	257	748	5.5	12.0	1.2	1.0	1	4	32	186	518	223	741	4.9	12.5				
b. Non-Hodgkin except BL	2	60	120	168	270	350	620	7.9	10.4	1.7	1.7	2	43	68	98	156	211	367	5.1	6.5				
c. Burkitt (BL)	1	25	88	74	60	188	248	4.3	4.2	4.7	4.4	0	10	17	13	17	40	57	1.0	1.0				
d. Lymphoreticular	15	29	12	11	8	67	75	1.7	1.5	1.3	1.3	11	21	13	8	3	53	56	1.4	1.1				
e. Unspecified	1	2	8	7	12	18	30	0.4	0.5	2.3	1.7	0	2	3	3	10	8	18	0.2	0.3				
<b>III CNS NEOPLASMS</b>	107	555	537	438	351	1637	1988	39.6	36.3	1.2	1.3	80	461	416	378	251	1335	1586	33.9	30.5				
a. Ependymoma	21	78	23	34	19	156	175	4.0	3.4	1.4	1.4	8	58	26	21	14	113	127	3.0	2.6				
b. Astrocytoma	40	232	249	226	192	747	939	17.9	16.9	1.0	1.1	41	231	224	225	140	721	861	18.2	16.4				
c. CNS embryonal	32	166	150	82	56	430	486	10.6	9.1	1.7	1.7	24	110	69	48	29	251	280	6.6	5.6				
d. Other gliomas	9	64	104	85	76	262	338	6.1	6.0	1.2	1.2	4	54	92	72	64	222	286	5.5	5.3				
e. Other specified	3	7	9	7	4	26	30	0.6	0.5	1.7	1.7	1	5	2	7	3	15	18	0.4	0.3				
f. Unspecified CNS	2	8	2	4	4	16	20	0.4	0.4	1.2	1.4	2	3	3	5	1	13	14	0.3	0.3				
<b>IV NEUROBLASTOMA</b>	208	254	53	20	14	535	549	14.4	11.4	1.1	1.1	180	238	44	14	8	476	484	13.5	10.6				
a. (Ganglio)neuroblastoma	207	254	51	17	8	529	537	14.3	11.2	1.1	1.1	178	236	43	11	2	468	470	13.3	10.4				
b. Peripheral nervous	1	0	2	3	6	6	12	0.1	0.2	0.8	0.9	2	2	1	3	6	8	14	0.2	0.3				
<b>V RETINOBLASTOMA</b>	68	96	7	1	0	172	172	4.7	3.7	1.1	1.0	84	71	6	2	1	163	164	4.7	3.7				
<b>VI RENAL TUMOURS</b>	45	219	62	16	13	342	355	9.1	7.2	0.9	0.9	44	219	82	18	25	363	388	10.0	8.2				
a. Nephroblastoma	45	218	62	10	0	335	335	8.9	6.9	1.0	1.0	44	217	74	11	5	346	351	9.6	7.5				
b. Renal carcinoma	0	1	0	6	13	7	20	0.1	0.3	0.4	0.5	0	2	8	7	20	17	37	0.4	0.6				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>VII HEPATIC TUMOURS</b>	31	68	18	12	19	129	148	3.4	2.9	1.3	1.3	30	50	12	10	15	102	117	2.8	2.4				
a. Hepatoblastoma	30	65	13	2	2	110	112	3.0	2.3	1.2	1.2	29	49	7	4	1	89	90	2.5	2.0				
b. Hepatic carcinoma	1	2	5	10	17	18	35	0.4	0.6	1.6	1.4	0	1	4	6	14	11	25	0.3	0.4				
c. Unspecified	0	1	0	0	0	1	1	0.0	0.0	0.5	0.5	1	0	1	0	0	2	2	0.1	0.0				
<b>VIII BONE TUMOURS</b>	1	12	86	218	303	317	620	6.8	10.0	1.2	1.6	2	16	67	171	144	256	400	5.8	6.9				
a. Osteosarcoma	0	6	32	113	157	151	308	3.2	5.0	1.0	1.4	1	5	36	103	72	145	217	3.3	3.7				
b. Chondrosarcoma	0	0	1	15	18	16	34	0.3	0.5	2.3	2.3	0	0	1	6	8	7	15	0.2	0.3				
c. Ewing & related	0	4	48	83	109	135	244	2.9	4.0	1.5	1.7	1	8	28	55	49	92	141	2.1	2.5				
d. Other specified	1	1	5	5	13	12	25	0.3	0.4	1.2	1.1	0	3	2	5	13	10	23	0.2	0.4				
e. Unspecified	0	1	0	2	6	3	9	0.1	0.1	1.5	2.3	0	0	0	2	2	2	4	0.0	0.1				
<b>IX SOFT TISSUE SARCOMA</b>	65	117	131	162	254	475	729	11.4	12.8	1.2	1.2	49	98	104	153	208	404	612	10.1	11.3				
a. Rhabdomyosarcoma	20	78	70	58	66	226	292	5.5	5.3	1.2	1.3	19	78	50	35	39	182	221	4.8	4.4				
b. Fibrosarcoma	21	9	9	15	22	54	76	1.3	1.4	1.1	1.0	16	3	10	21	25	50	75	1.2	1.4				
c. Kaposi sarcoma	1	0	0	0	2	1	3	0.0	0.1	1.0	3.0	0	0	1	0	0	1	1	0.0	0.0				
d. Other specified	20	25	43	65	132	153	285	3.6	4.8	1.2	1.1	7	10	36	78	119	131	250	3.0	4.4				
e. Unspecified	3	5	9	24	32	41	73	0.9	1.2	1.0	1.1	7	7	7	19	25	40	65	1.0	1.2				
<b>X GERM CELL TUMOURS</b>	58	42	20	89	664	209	873	5.0	14.4	0.9	2.0	55	37	34	106	205	232	437	5.8	7.9				
a. CNS germ cell	6	1	16	59	58	82	140	1.8	2.3	2.3	3.5	10	1	10	14	5	35	40	0.9	0.8				
b. Other extragonadal	31	11	1	8	22	51	73	1.3	1.4	0.6	0.8	45	30	2	5	14	82	96	2.3	2.0				
c. Gonadal germ cell	21	30	2	22	579	75	654	1.9	10.6	0.7	2.7	0	6	22	75	142	103	245	2.3	4.2				
d. Gonadal carcinoma	0	0	0	0	5	0	5	-	0.1	0.0	0.1	0	0	0	6	36	6	42	0.1	0.7				
e. Unspecified gonadal	0	0	1	0	0	1	1	0.0	0.0	0.2	0.1	0	0	0	6	8	6	14	0.1	0.2				
<b>XI CARCINOMA &amp; MELANOMA</b>	6	17	42	134	511	199	710	4.3	11.4	0.5	0.5	11	20	65	271	1098	367	1465	8.3	24.9				
a. Adrenocortical	4	4	2	1	2	11	13	0.3	0.3	0.6	0.4	4	7	4	4	10	19	29	0.5	0.6				
b. Thyroid	0	1	14	30	111	45	156	1.0	2.5	0.3	0.2	1	3	17	125	539	146	685	3.2	11.5				
c. Nasopharyngeal	0	0	0	5	11	5	16	0.1	0.3	1.3	1.6	0	0	0	4	6	4	10	0.1	0.2				
d. Melanoma	1	10	16	48	226	75	301	1.6	4.9	0.6	0.7	3	7	29	77	347	116	463	2.6	7.9				
e. Skin carcinoma	0	0	0	0	4	0	4	-	0.1	0.0	0.7	0	0	1	3	2	4	6	0.1	0.1				
f. Other & unspecified	1	2	10	50	157	63	220	1.3	3.5	0.8	0.8	3	3	14	58	194	78	272	1.8	4.6				
<b>XII OTHER &amp; UNSPECIFIED</b>	3	4	3	7	10	17	27	0.4	0.5	0.7	0.7	5	9	3	9	15	26	41	0.7	0.8				
a. Other specified	2	4	1	4	7	11	18	0.3	0.3	0.8	0.9	1	3	2	7	6	13	19	0.3	0.3				
b. Other unspecified	1	0	2	3	3	6	9	0.1	0.2	0.5	0.4	4	6	1	2	9	13	22	0.4	0.4				
<b>TOTAL</b>	742	2618	1861	1968	3459	7189	10648	175.9	191.1	1.2	1.2	679	2247	1440	1777	3005	6143	9148	158.0	172.9				

Please consult the quality indicators for the constituent registries

## USA, SEER 9, White (1993-2012)

	Age group	Males	Females
Person-years	0	2 806 171	2 674 452
	1-4	11 178 257	10 644 629
	5-9	13 981 832	13 288 307
	10-14	14 290 664	13 558 449
	15-19	14 214 757	13 400 411
Total	0-14	42 256 924	40 165 837
	0-19	56 471 681	53 566 248
Average annual population	0-14	2 112 846	2 008 292
	0-19	2 823 584	2 678 312

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## USA, SEER 9, White (1993-2012)

Registry	Period	Cases	%	Person-years	%
California, San Francisco	1993-2012	2243	11.3	12 727 305	11.6
Connecticut	1993-2012	2825	14.3	14 992 211	13.6
Georgia, Atlanta	1993-2012	1520	7.7	8 583 188	7.8
Hawaii	1993-2012	235	1.2	1 172 448	1.1
Iowa	1993-2012	2693	13.6	15 245 561	13.9
Michigan, Detroit	1993-2012	2741	13.8	14 540 919	13.2
New Mexico	1993-2012	1453	7.3	9 230 075	8.4
Utah	1993-2012	2802	14.2	15 891 203	14.4
Washington, Seattle	1993-2012	3284	16.6	17 655 019	16.0
<b>USA</b>	<b>1993-2012</b>	<b>19796</b>	<b>100.0</b>	<b>110 037 929</b>	<b>100.0</b>

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Hawaii, White  
(1993-2012)

	0-14			0-19		
	Cases	M/F	ASR	Cases	M/F	ASR
<b>I LEUKAEMIA</b>	50	1.1	58.8	58	1.0	51.6
a. Lymphoid	43	1.1	50.5	47	1.0	42.2
b. Acute myeloid	4	0.3	4.7	8	0.6	6.7
c. CMD	2	.	2.3	2	.	1.8
d. MDS & other	1	0.0	1.2	1	0.0	1.0
e. Unspecified	0	.	.	0	.	.
<b>II LYMPHOMA &amp; RELATED</b>	16	1.7	18.0	26	1.4	21.5
a. Hodgkin	2	1.0	2.3	10	1.0	7.8
b. Non-Hodgkin except BL	10	1.5	10.8	12	1.4	9.9
c. Burkitt (BL)	2	.	2.4	2	.	1.8
d. Lymphoreticular	2	1.0	2.5	2	1.0	1.9
e. Unspecified	0	.	.	0	.	.
<b>III CNS NEOPLASMS</b>	36	1.6	42.1	41	1.6	36.4
a. Ependymoma	4	.	4.7	4	.	3.6
b. Astrocytoma	15	2.0	17.6	19	1.7	16.7
c. CNS embryonal	12	1.0	14.2	13	1.2	11.8
d. Other gliomas	4	1.0	4.5	4	1.0	3.5
e. Other specified	0	.	.	0	.	.
f. Unspecified CNS	1	0.0	1.2	1	0.0	1.0
<b>IV NEUROBLASTOMA</b>	18	0.4	21.9	18	0.4	16.9
a. (Ganglio)neuroblastoma	17	0.4	20.8	17	0.4	16.1
b. Peripheral nervous	1	0.0	1.0	1	0.0	0.8
<b>V RETINOBLASTOMA</b>	3	0.0	3.7	3	0.0	2.9
<b>VI RENAL TUMOURS</b>	7	1.3	8.4	8	1.0	7.3
a. Nephroblastoma	7	1.3	8.4	7	1.3	6.5
b. Renal carcinoma	0	.	.	1	0.0	0.8
c. Unspecified	0	.	.	0	.	.
<b>VII HEPATIC TUMOURS</b>	3	.	3.5	4	.	3.5
a. Hepatoblastoma	3	.	3.5	3	.	2.7
b. Hepatic carcinoma	0	.	.	1	.	0.8
c. Unspecified	0	.	.	0	.	.
<b>VIII BONE TUMOURS</b>	7	0.8	7.4	10	0.4	8.0
a. Osteosarcoma	5	0.7	5.2	8	0.3	6.3
b. Chondrosarcoma	0	.	.	0	.	.
c. Ewing & related	2	1.0	2.2	2	1.0	1.7
d. Other specified	0	.	.	0	.	.
e. Unspecified	0	.	.	0	.	.
<b>IX SOFT TISSUE SARCOMA</b>	8	1.7	9.3	14	1.8	11.8
a. Rhabdomyosarcoma	1	.	1.2	1	.	1.0
b. Fibrosarcoma	2	1.0	2.3	2	1.0	1.8
c. Kaposi sarcoma	0	.	.	0	.	.
d. Other specified	5	1.5	5.8	9	1.3	7.5
e. Unspecified	0	.	.	2	.	1.5
<b>X GERM CELL TUMOURS</b>	5	1.5	5.4	18	3.5	14.0
a. CNS germ cell	4	3.0	4.3	4	3.0	3.4
b. Other extragonadal	0	.	.	0	.	.
c. Gonadal germ cell	1	0.0	1.0	13	5.5	9.9
d. Gonadal carcinoma	0	.	.	1	0.0	0.8
e. Unspecified gonadal	0	.	.	0	.	.
<b>XI CARCINOMA &amp; MELANOMA</b>	5	0.3	5.5	34	1.6	26.2
a. Adrenocortical	0	.	.	0	.	.
b. Thyroid	1	0.0	1.0	8	0.6	6.1
c. Nasopharyngeal	0	.	.	0	.	.
d. Melanoma	3	0.5	3.4	19	3.8	14.8
e. Skin carcinoma	1	0.0	1.0	3	0.5	2.3
f. Other & unspecified	0	.	.	4	1.0	3.0
<b>XII OTHER &amp; UNSPECIFIED</b>	1	0.0	1.2	1	0.0	1.0
a. Other specified	0	.	.	0	.	.
b. Other unspecified	1	0.0	1.2	1	0.0	1.0
<b>TOTAL</b>	159	1.1	185.2	235	1.2	200.9

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