

## USA, Utah, White (1993-2012)

	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	0-19
<b>I LEUKAEMIA</b>	41	284	137	90	115	552	667	29.4	100.0	23.8	100.0	47.1	86.0	35.2	23.5	28.8	48.3	43.9	683	827	99.6	0.0	
a. Lymphoid	16	239	118	61	63	434	497	23.1	78.6	17.7	74.5	18.4	72.4	30.4	15.9	15.8	38.1	33.1	537	616	99.8	0.0	
b. Acute myeloid	20	34	15	23	40	92	132	4.9	16.7	4.7	19.8	23.0	10.3	3.9	6.0	10.0	8.0	8.4	114	164	100.0	0.0	
c. CMD	2	3	2	4	8	11	19	0.6	2.0	0.7	2.8	2.3	0.9	0.5	1.0	2.0	0.9	1.2	14	24	89.5	0.0	
d. MDS & other	1	5	0	1	0	7	7	0.4	1.3	0.2	1.0	1.1	1.5	-	0.3	-	0.6	0.5	8	8	100.0	0.0	
e. Unspecified	2	3	2	1	4	8	12	0.4	1.4	0.4	1.8	2.3	0.9	0.5	0.3	1.0	0.7	0.8	10	15	100.0	0.0	
<b>II LYMPHOMA &amp; RELATED</b>	1	25	63	91	190	180	370	9.6	100.0	13.2	100.0	1.1	7.6	16.2	23.7	47.6	14.5	22.0	231	469	99.5	0.0	
a. Hodgkin	0	0	13	43	134	56	190	3.0	31.1	6.8	51.4	-	-	3.3	11.2	33.5	4.3	10.9	73	240	100.0	0.0	
b. Non-Hodgkin except BL	0	13	24	32	43	69	112	3.7	38.3	4.0	30.3	-	3.9	6.2	8.3	10.8	5.6	6.8	88	142	99.1	0.0	
c. Burkitt (BL)	0	5	20	14	9	39	48	2.1	21.7	1.7	13.0	-	1.5	5.1	3.6	2.3	3.2	3.0	50	61	100.0	0.0	
d. Lymphoreticular	1	7	5	1	0	14	14	0.7	7.8	0.5	3.8	1.1	2.1	1.3	0.3	-	1.2	1.0	17	17	92.9	0.0	
e. Unspecified	0	0	1	1	4	2	6	0.1	1.1	0.2	1.6	-	-	0.3	0.3	1.0	0.2	0.3	3	8	100.0	0.0	
<b>III CNS NEOPLASMS</b>	37	155	130	134	89	456	545	24.3	100.0	19.5	100.0	42.5	46.9	33.4	34.9	22.3	38.7	35.0	572	683	84.8	0.0	
a. Ependymoma	5	26	7	7	7	45	52	2.4	9.9	1.9	9.5	5.7	7.9	1.8	1.8	1.8	4.0	3.5	55	64	100.0	0.0	
b. Astrocytoma	16	69	70	80	44	235	279	12.5	51.5	10.0	51.2	18.4	20.9	18.0	20.9	11.0	19.7	17.8	296	351	83.5	0.0	
c. CNS embryonal	14	45	29	22	11	110	121	5.9	24.1	4.3	22.2	16.1	13.6	7.5	5.7	2.8	9.5	8.0	137	150	100.0	0.0	
d. Other gliomas	1	12	24	21	26	58	84	3.1	12.7	3.0	15.4	1.1	3.6	6.2	5.5	6.5	4.8	5.2	74	106	57.1	0.0	
e. Other specified	0	0	0	3	1	3	4	0.2	0.7	0.1	0.7	-	-	-	0.8	0.3	0.2	0.2	4	5	100.0	0.0	
f. Unspecified CNS	1	3	0	1	0	5	5	0.3	1.1	0.2	0.9	1.1	0.9	-	0.3	-	0.4	0.3	6	6	80.0	0.0	
<b>IV NEUROBLASTOMA</b>	60	55	16	4	1	135	136	7.2	100.0	4.9	100.0	69.0	16.7	4.1	1.0	0.3	12.3	9.6	164	165	98.5	0.0	
a. (Ganglio)neuroblastoma	59	55	15	3	0	132	132	7.0	97.8	4.7	97.1	67.8	16.7	3.9	0.8	-	12.1	9.3	160	160	98.5	0.0	
b. Peripheral nervous	1	0	1	1	1	3	4	0.2	2.2	0.1	2.9	1.1	-	0.3	0.3	0.3	0.3	0.3	4	5	100.0	0.0	
<b>V RETINOBLASTOMA</b>	23	26	1	0	0	50	50	2.7	100.0	1.8	100.0	26.4	7.9	0.3	-	-	4.6	3.6	60	60	76.0	0.0	
<b>VI RENAL TUMOURS</b>	15	64	12	4	8	95	103	5.1	100.0	3.7	100.0	17.2	19.4	3.1	1.0	2.0	8.6	7.1	115	125	100.0	0.0	
a. Nephroblastoma	15	63	12	3	1	93	94	5.0	97.9	3.4	91.3	17.2	19.1	3.1	0.8	0.3	8.5	6.6	113	114	100.0	0.0	
b. Renal carcinoma	0	1	0	1	7	2	9	0.1	2.1	0.3	8.7	-	0.3	-	0.3	1.8	0.2	0.5	3	11	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>VII HEPATIC TUMOURS</b>	7	17	1	7	3	32	35	1.7	100.0	1.2	100.0	8.0	5.1	0.3	1.8	0.8	2.8	2.4	39	43	100.0	0.0	
a. Hepatoblastoma	7	17	0	0	0	24	24	1.3	75.0	0.9	68.6	8.0	5.1	-	-	-	2.2	1.7	29	29	100.0	0.0	
b. Hepatic carcinoma	0	0	1	7	3	8	11	0.4	25.0	0.4	31.4	-	-	0.3	1.8	0.8	0.6	0.6	10	14	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>VIII BONE TUMOURS</b>	0	6	24	55	79	85	164	4.5	100.0	5.9	100.0	-	1.8	6.2	14.3	19.8	6.7	9.6	110	209	98.8	0.0	
a. Osteosarcoma	0	4	10	31	45	45	90	2.4	52.9	3.2	54.9	-	1.2	2.6	8.1	11.3	3.5	5.3	58	114	100.0	0.0	
b. Chondrosarcoma	0	0	0	2	6	2	8	0.1	2.4	0.3	4.9	-	-	-	0.5	1.5	0.2	0.5	3	10	87.5	0.0	
c. Ewing & related	0	1	12	20	26	33	59	1.8	38.8	2.1	36.0	-	0.3	3.1	5.2	6.5	2.6	3.5	43	75	100.0	0.0	
d. Other specified	0	1	2	1	2	4	6	0.2	4.7	0.2	3.7	-	0.3	0.5	0.3	0.5	0.3	0.4	5	8	83.3	0.0	
e. Unspecified	0	0	0	1	0	1	1	0.1	1.2	0.0	0.6	-	-	-	0.3	-	0.1	0.1	1	1	100.0	0.0	
<b>IX SOFT TISSUE SARCOMA</b>	14	28	35	52	70	129	199	6.9	100.0	7.1	100.0	16.1	8.5	9.0	13.6	17.5	10.7	12.3	163	251	100.0	0.0	
a. Rhabdomyosarcoma	4	20	18	11	18	53	71	2.8	41.1	2.5	35.7	4.6	6.1	4.6	2.9	4.5	4.6	4.5	66	89	100.0	0.0	
b. Fibrosarcoma	4	2	2	6	8	14	22	0.7	10.9	0.8	11.1	4.6	0.6	0.5	1.6	2.0	1.2	1.4	18	28	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	3	4	11	30	38	48	86	2.6	37.2	3.1	43.2	3.4	1.2	2.8	7.8	9.5	3.8	5.1	62	109	100.0	0.0	
e. Unspecified	3	2	4	5	6	14	20	0.7	10.9	0.7	10.1	3.4	0.6	1.0	1.3	1.5	1.2	1.2	18	25	100.0	0.0	
<b>X GERM CELL TUMOURS</b>	28	18	5	33	139	84	223	4.5	100.0	8.0	100.0	32.2	5.5	1.3	8.6	34.8	7.2	13.4	105	279	98.7	0.0	
a. CNS germ cell	4	0	4	15	13	23	36	1.2	27.4	1.3	16.1	4.6	-	1.0	3.9	3.3	1.8	2.2	29	46	94.4	0.0	
b. Other extragonadal	17	6	1	3	5	27	32	1.4	32.1	1.1	14.3	19.5	1.8	0.3	0.8	1.3	2.4	2.2	33	39	96.9	0.0	
c. Gonadal germ cell	7	12	0	13	117	32	149	1.7	38.1	5.3	66.8	8.0	3.6	-	3.4	29.3	2.7	8.7	40	186	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	2	0	2	-	-	0.1	0.9	-	-	-	-	0.5	-	0.1	-	3	3	100.0	0.0
e. Unspecified gonadal	0	0	0	2	2	2	4	0.1	2.4	0.1	1.8	-	-	-	0.5	0.5	0.2	0.2	3	5	100.0	0.0	
<b>XI CARCINOMA &amp; MELANOMA</b>	2	6	10	52	229	70	299	3.7	100.0	10.7	100.0	2.3	1.8	2.6	13.6	57.3	5.5	17.2	90	377	99.7	0.0	
a. Adrenocortical	1	1	0	1	0	3	3	0.2	4.3	0.1	1.0	1.1	0.3	-	0.3	-	0.3	0.2	4	4	100.0	0.0	
b. Thyroid	0	1	2	20	94	23	117	1.2	32.9	4.2	39.1	-	0.3	0.5	5.2	23.5	1.8	6.7	30	147	100.0	0.0	
c. Nasopharyngeal	0	0	0	1	2	1	3	0.1	1.4	0.1	1.0	-	-	-	0.3	0.5	0.1	0.2	1	4	100.0	0.0	
d. Melanoma	1	4	6	21	84	32	116	1.7	45.7	4.1	38.8	1.1	1.2	1.5	5.5	21.0	2.6	6.7	41	146	99.1	0.0	
e. Skin carcinoma	0	0	0	0	1	0	1	-	-	0.0	0.3	-	-	-	-	0.3	-	0.1	-	1	1	100.0	0.0
f. Other & unspecified	0	0	2	9	48	11	59	0.6	15.7	2.1	19.7	-	-	0.5	2.3	12.0	0.8	3.4	14	74	100.0	0.0	
<b>XII OTHER &amp; UNSPECIFIED</b>	1	3	0	3	4	7	11	0.4	100.0	0.4	100.0	1.1	0.9	-	0.8	1.0	0.6	0.7	9	14	100.0	0.0	
a. Other specified	1	3	0	2	2	6	8	0.3	85.7	0.3	72.7	1.1	0.9	-	0.5	0.5	0.5	0.5	7	10	100.0	0.0	
b. Other unspecified	0	0	0	1	2	1	3	0.1	14.3	0.1	27.3	-	-	-	0.3	0.5	0.1	0.2	1	4	100.0	0.0	
<b>TOTAL</b>	229	687	434	525	927	1875	2802	100.0	100.0	100.0	100.0	263.3	208.1	111.6	136.8	232.0	160.7	176.8	2340	3500	96.1	0.0	

Please consult the quality indicators for this registry

## USA, Utah, 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>	21	155	68	51	62	295	357	50.3	45.9	1.1	1.2	20	129	69	39	53	257	310	46.3	41.9				
a. Lymphoid	6	130	59	31	36	226	262	38.7	34.0	1.1	1.1	10	109	59	30	27	208	235	37.4	32.1				
b. Acute myeloid	12	19	8	15	18	54	72	9.1	9.1	1.4	1.2	8	15	7	8	22	38	60	6.8	7.8				
c. CMD	1	1	1	3	5	6	11	1.0	1.3	1.2	1.4	1	2	1	1	3	5	8	0.9	1.0				
d. MDS & other	1	3	0	1	0	5	5	0.9	0.7	2.5	2.5	0	2	0	0	0	2	2	0.4	0.3				
e. Unspecified	1	2	0	1	3	4	7	0.7	0.9	1.0	1.4	1	1	2	0	1	4	5	0.7	0.7				
<b>II LYMPHOMA &amp; RELATED</b>	1	15	54	50	92	120	212	19.0	25.0	2.0	1.3	0	10	9	41	98	60	158	9.8	18.7				
a. Hodgkin	0	0	10	20	62	30	92	4.6	10.5	1.2	0.9	0	0	3	23	72	26	98	4.1	11.3				
b. Non-Hodgkin except BL	0	11	21	19	23	51	74	8.2	8.9	2.8	1.9	0	2	3	13	20	18	38	2.9	4.5				
c. Burkitt (BL)	0	1	19	9	4	29	33	4.6	4.0	2.9	2.2	0	4	1	5	5	10	15	1.7	1.9				
d. Lymphoreticular	1	3	4	1	0	9	9	1.5	1.2	1.8	1.8	0	4	1	0	0	5	5	0.9	0.7				
e. Unspecified	0	0	0	1	3	1	4	0.1	0.5	1.0	2.0	0	0	1	0	1	1	2	0.2	0.2				
<b>III CNS NEOPLASMS</b>	21	77	77	69	56	244	300	40.3	37.5	1.2	1.2	16	78	53	65	33	212	245	37.1	32.5				
a. Ependymoma	3	15	4	3	4	25	29	4.3	3.8	1.3	1.3	2	11	3	4	3	20	23	3.6	3.1				
b. Astrocytoma	8	30	34	36	28	108	136	17.7	16.8	0.9	1.0	8	39	36	44	16	127	143	22.0	18.8				
c. CNS embryonal	8	24	27	17	9	76	85	12.6	10.8	2.2	2.4	6	21	2	5	2	34	36	6.3	5.1				
d. Other gliomas	1	5	12	10	15	28	43	4.5	5.2	0.9	1.0	0	7	12	11	11	30	41	5.1	5.2				
e. Other specified	0	0	0	2	0	2	2	0.3	0.2	2.0	1.0	0	0	0	1	1	1	2	0.2	0.2				
f. Unspecified CNS	1	3	0	1	0	5	5	0.9	0.7	-	-	0	0	0	0	0	0	0	-	-				
<b>IV NEUROBLASTOMA</b>	29	30	11	3	0	73	73	12.9	10.0	1.2	1.2	31	25	5	1	1	62	63	11.7	9.2				
a. (Ganglio)neuroblastoma	29	30	11	2	0	72	72	12.7	9.9	1.2	1.2	30	25	4	1	0	60	60	11.3	8.8				
b. Peripheral nervous	0	0	0	1	0	1	1	0.1	0.1	0.5	0.3	1	0	1	0	1	2	3	0.4	0.4				
<b>V RETINOBLASTOMA</b>	12	20	1	0	0	33	33	5.9	4.6	1.9	1.9	11	6	0	0	0	17	17	3.2	2.5				
<b>VI RENAL TUMOURS</b>	6	28	6	2	2	42	44	7.4	6.0	0.8	0.7	9	36	6	2	6	53	59	9.9	8.4				
a. Nephroblastoma	6	28	6	2	0	42	42	7.4	5.7	0.8	0.8	9	35	6	1	1	51	52	9.6	7.5				
b. Renal carcinoma	0	0	0	0	2	0	2	-	0.2	0.0	0.3	0	1	0	1	5	2	7	0.3	0.8				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>VII HEPATIC TUMOURS</b>	6	10	0	5	2	21	23	3.6	3.0	1.9	1.9	1	7	1	2	1	11	12	2.0	1.7				
a. Hepatoblastoma	6	10	0	0	0	16	16	2.9	2.2	2.0	2.0	1	7	0	0	0	8	8	1.5	1.2				
b. Hepatic carcinoma	0	0	0	5	2	5	7	0.7	0.8	1.7	1.8	0	0	1	2	1	3	4	0.5	0.5				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>VIII BONE TUMOURS</b>	0	2	15	29	63	46	109	7.0	12.5	1.2	2.0	0	4	9	26	16	39	55	6.3	6.7				
a. Osteosarcoma	0	1	6	15	38	22	60	3.4	6.9	1.0	2.0	0	3	4	16	7	23	30	3.7	3.7				
b. Chondrosarcoma	0	0	0	1	5	1	6	0.1	0.7	1.0	3.0	0	0	0	1	1	1	2	0.2	0.2				
c. Ewing & related	0	0	8	11	19	19	38	2.9	4.4	1.4	1.8	0	1	4	9	7	14	21	2.3	2.6				
d. Other specified	0	1	1	1	1	3	4	0.5	0.5	3.0	2.0	0	0	1	0	1	1	2	0.2	0.2				
e. Unspecified	0	0	0	1	0	1	1	0.1	0.1	-	-	0	0	0	0	0	0	0	-	-				
<b>IX SOFT TISSUE SARCOMA</b>	10	12	23	24	39	69	108	11.2	13.1	1.1	1.2	4	16	12	28	31	60	91	10.2	11.4				
a. Rhabdomyosarcoma	4	7	11	5	12	27	39	4.5	4.8	1.0	1.2	0	13	7	6	6	26	32	4.6	4.3				
b. Fibrosarcoma	2	1	2	3	6	8	14	1.3	1.7	1.3	1.8	2	1	0	3	2	6	8	1.0	1.0				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	3	3	7	13	17	26	43	4.1	5.1	1.2	1.0	0	1	4	17	21	22	43	3.5	5.1				
e. Unspecified	1	1	3	3	4	8	12	1.3	1.4	1.3	1.5	2	1	1	2	2	6	8	1.1	1.0				
<b>X GERM CELL TUMOURS</b>	16	12	2	15	108	45	153	7.6	18.0	1.2	2.2	12	6	3	18	31	39	70	6.7	8.7				
a. CNS germ cell	1	0	1	12	11	14	25	2.1	2.9	1.6	2.3	3	0	3	3	2	9	11	1.6	1.4				
b. Other extragonadal	8	0	1	2	4	11	15	1.9	1.9	0.7	0.9	9	6	0	1	1	16	17	3.0	2.4				
c. Gonadal germ cell	7	12	0	1	93	20	113	3.6	13.2	1.7	3.1	0	0	0	12	24	12	36	1.9	4.2				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	0.2				
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	2	2	4	0.3	0.5				
<b>XI CARCINOMA &amp; MELANOMA</b>	0	2	5	17	79	24	103	3.7	11.7	0.5	0.5	2	4	5	35	150	46	196	7.4	22.7				
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	1	1	0	1	0	3	3	0.5	0.4				
b. Thyroid	0	0	2	1	14	3	17	0.5	1.9	0.1	0.2	0	1	0	19	80	20	100	3.1	11.5				
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	2	1	3	0.2	0.3				
d. Melanoma	0	2	1	11	36	14	50	2.1	5.7	0.8	0.8	1	2	5	10	48	18	66	3.0	7.7				
e. Skin carcinoma	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-				
f. Other & unspecified	0	0	2	5	28	7	35	1.1	4.0	1.8	1.5	0	0	0	4	20	4	24	0.6	2.7				
<b>XII OTHER &amp; UNSPECIFIED</b>	1	2	0	1	2	4	6	0.7	0.8	1.3	1.2	0	1	0	2	2	3	5	0.5	0.6				
a. Other specified	1	2	0	0	1	3	4	0.5	0.5	1.0	1.0	0	1	0	2	1	3	4	0.5	0.5				
b. Other unspecified	0	0	0	1	1	1	2	0.1	0.2	-	2.0	0	0	0	0	1	0	1	-	0.1				
<b>TOTAL</b>	123	365	262	266	505	1016	1521	169.6	188.1	1.2	1.2	106	322	172	259	422	859	1281	151.3	165.0				

Please consult the quality indicators for this registry

## USA, Utah, White (1993-2012)

	Age group	Males	Females
Person-years	0	447 805	422 000
	1-4	1 692 929	1 608 712
	5-9	2 000 854	1 886 961
	10-14	1 971 827	1 864 679
	15-19	2 006 261	1 989 175
Total	0-14	6 113 415	5 782 352
	0-19	8 119 676	7 771 527
Average annual population	0-14	305 671	289 118
	0-19	405 984	388 576

Please consult the quality indicators for this registry