

USA, Utah (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	0-19			0-14	0-19	
I LEUKAEMIA	46	294	144	96	118	580	698	29.5	100.0	23.9	100.0	49.6	83.2	34.7	23.5	27.7	47.5	43.0	672	810	99.6	0.0	
a. Lymphoid	18	243	124	65	63	450	513	22.9	77.6	17.6	73.5	19.4	68.8	29.9	15.9	14.8	36.9	31.9	521	595	99.8	0.0	
b. Acute myeloid	21	39	16	25	42	101	143	5.1	17.4	4.9	20.5	22.6	11.0	3.9	6.1	9.9	8.2	8.6	117	166	100.0	0.0	
c. CMD	3	3	2	4	8	12	20	0.6	2.1	0.7	2.9	3.2	0.8	0.5	1.0	1.9	1.0	1.2	14	23	90.0	0.0	
d. MDS & other	2	6	0	1	1	9	10	0.5	1.6	0.3	1.4	2.2	1.7	-	0.2	0.2	0.8	0.6	10	11	100.0	0.0	
e. Unspecified	2	3	2	1	4	8	12	0.4	1.4	0.4	1.7	2.2	0.8	0.5	0.2	0.9	0.7	0.7	9	14	100.0	0.0	
II LYMPHOMA & RELATED	2	26	67	98	193	193	386	9.8	100.0	13.2	100.0	2.2	7.4	16.1	24.0	45.3	14.6	21.5	232	459	99.5	0.0	
a. Hodgkin	0	0	15	44	135	59	194	3.0	30.6	6.7	50.3	-	-	3.6	10.8	31.7	4.3	10.5	72	230	100.0	0.0	
b. Non-Hodgkin except BL	0	14	25	38	45	77	122	3.9	39.9	4.2	31.6	-	4.0	6.0	9.3	10.6	5.9	6.9	92	145	99.2	0.0	
c. Burkitt (BL)	0	5	21	14	9	40	49	2.0	20.7	1.7	12.7	-	1.4	5.1	3.4	2.1	3.1	2.8	48	59	100.0	0.0	
d. Lymphoreticular	2	7	5	1	0	15	15	0.8	7.8	0.5	3.9	2.2	2.0	1.2	0.2	-	1.2	1.0	17	17	93.3	0.0	
e. Unspecified	0	0	1	1	4	2	6	0.1	1.0	0.2	1.6	-	-	0.2	0.2	0.9	0.1	0.3	2	7	100.0	0.0	
III CNS NEOPLASMS	37	159	133	139	93	468	561	23.8	100.0	19.2	100.0	39.9	45.0	32.0	34.0	21.8	37.2	33.7	550	659	84.7	0.0	
a. Ependymoma	5	27	7	7	7	46	53	2.3	9.8	1.8	9.4	5.4	7.6	1.7	1.7	1.6	3.8	3.3	53	61	100.0	0.0	
b. Astrocytoma	16	71	72	83	46	242	288	12.3	51.7	9.9	51.3	17.2	20.1	17.3	20.3	10.8	19.0	17.2	286	340	83.3	0.0	
c. CNS embryonal	14	45	30	23	12	112	124	5.7	23.9	4.3	22.1	15.1	12.7	7.2	5.6	2.8	9.1	7.7	130	144	100.0	0.0	
d. Other gliomas	1	13	24	21	27	59	86	3.0	12.6	2.9	15.3	1.1	3.7	5.8	5.1	6.3	4.6	5.0	70	102	57.0	0.0	
e. Other specified	0	0	0	3	1	3	4	0.2	0.6	0.1	0.7	-	-	-	0.7	0.2	0.2	0.2	4	5	100.0	0.0	
f. Unspecified CNS	1	3	0	2	0	6	6	0.3	1.3	0.2	1.1	1.1	0.8	-	0.5	-	0.5	0.4	7	7	83.3	0.0	
IV NEUROBLASTOMA	65	56	17	4	3	142	145	7.2	100.0	5.0	100.0	70.0	15.8	4.1	1.0	0.7	12.1	9.5	161	164	98.6	0.0	
a. (Ganglio)neuroblastoma	64	56	16	3	0	139	139	7.1	97.9	4.8	95.9	69.0	15.8	3.9	0.7	-	11.9	9.2	157	157	98.6	0.0	
b. Peripheral nervous	1	0	1	1	3	3	6	0.2	2.1	0.2	4.1	1.1	-	0.2	0.2	0.7	0.2	0.3	4	7	100.0	0.0	
V RETINOBLASTOMA	24	27	1	0	0	52	52	2.6	100.0	1.8	100.0	25.9	7.6	0.2	-	-	4.5	3.5	58	58	76.9	0.0	
VI RENAL TUMOURS	16	65	12	4	8	97	105	4.9	100.0	3.6	100.0	17.2	18.4	2.9	1.0	1.9	8.2	6.8	110	120	100.0	0.0	
a. Nephroblastoma	16	64	12	3	1	95	96	4.8	97.9	3.3	91.4	17.2	18.1	2.9	0.7	0.2	8.1	6.3	108	109	100.0	0.0	
b. Renal carcinoma	0	1	0	1	7	2	9	0.1	2.1	0.3	8.6	-	0.3	-	0.2	1.6	0.2	0.5	2	11	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VII HEPATIC TUMOURS	8	19	1	7	3	35	38	1.8	100.0	1.3	100.0	8.6	5.4	0.2	1.7	0.7	2.9	2.4	40	44	100.0	0.0	
a. Hepatoblastoma	8	19	0	0	0	27	27	1.4	77.1	0.9	71.1	8.6	5.4	-	-	-	2.3	1.8	30	30	100.0	0.0	
b. Hepatic carcinoma	0	0	1	7	3	8	11	0.4	22.9	0.4	28.9	-	-	0.2	1.7	0.7	0.6	0.6	10	13	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIII BONE TUMOURS	0	6	26	57	83	89	172	4.5	100.0	5.9	100.0	-	1.7	6.3	13.9	19.5	6.6	9.5	108	205	98.8	0.0	
a. Osteosarcoma	0	4	11	32	48	47	95	2.4	52.8	3.3	55.2	-	1.1	2.6	7.8	11.3	3.5	5.2	57	113	100.0	0.0	
b. Chondrosarcoma	0	0	0	2	6	2	8	0.1	2.2	0.3	4.7	-	-	-	0.5	1.4	0.1	0.4	2	9	87.5	0.0	
c. Ewing & related	0	1	12	21	27	34	61	1.7	38.2	2.1	35.5	-	0.3	2.9	5.1	6.3	2.5	3.4	41	73	100.0	0.0	
d. Other specified	0	1	3	1	2	5	7	0.3	5.6	0.2	4.1	-	0.3	0.7	0.2	0.5	0.4	0.4	6	8	85.7	0.0	
e. Unspecified	0	0	0	1	0	1	1	0.1	1.1	0.0	0.6	-	-	-	0.2	-	0.1	0.1	1	1	100.0	0.0	
IX SOFT TISSUE SARCOMA	15	31	36	55	72	137	209	7.0	100.0	7.2	100.0	16.2	8.8	8.7	13.5	16.9	10.7	12.1	162	247	100.0	0.0	
a. Rhabdomyosarcoma	5	22	18	12	18	57	75	2.9	41.6	2.6	35.9	5.4	6.2	4.3	2.9	4.2	4.6	4.5	67	88	100.0	0.0	
b. Fibrosarcoma	4	2	2	6	8	14	22	0.7	10.2	0.8	10.5	4.3	0.6	0.5	1.5	1.9	1.1	1.3	16	26	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	3	5	12	32	39	52	91	2.6	38.0	3.1	43.5	3.2	1.4	2.9	7.8	9.2	3.9	5.1	63	108	100.0	0.0	
e. Unspecified	3	2	4	5	7	14	21	0.7	10.2	0.7	10.0	3.2	0.6	1.0	1.2	1.6	1.1	1.2	17	25	100.0	0.0	
X GERM CELL TUMOURS	29	18	6	37	140	90	230	4.6	100.0	7.9	100.0	31.2	5.1	1.4	9.0	32.9	7.2	13.0	105	270	98.7	0.0	
a. CNS germ cell	4	0	4	19	13	27	40	1.4	30.0	1.4	17.4	4.3	-	1.0	4.6	3.1	2.0	2.2	33	48	95.0	0.0	
b. Other extragonadal	18	6	1	3	5	28	33	1.4	31.1	1.1	14.3	19.4	1.7	0.2	0.7	1.2	2.4	2.1	32	38	97.0	0.0	
c. Gonadal germ cell	7	12	1	13	118	33	151	1.7	36.7	5.2	65.7	7.5	3.4	0.2	3.2	27.7	2.6	8.3	38	177	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	2	0	2	-	-	0.1	0.9	-	-	-	-	0.5	-	0.1	-	2	2	100.0	0.0
e. Unspecified gonadal	0	0	0	2	2	2	4	0.1	2.2	0.1	1.7	-	-	-	0.5	0.5	0.1	0.2	2	5	100.0	0.0	
XI CARCINOMA & MELANOMA	2	7	13	53	234	75	309	3.8	100.0	10.6	100.0	2.2	2.0	3.1	13.0	55.0	5.6	16.7	91	365	99.7	0.0	
a. Adrenocortical	1	1	0	1	0	3	3	0.2	4.0	0.1	1.0	1.1	0.3	-	0.2	-	0.2	0.2	3	3	100.0	0.0	
b. Thyroid	0	1	2	21	98	24	122	1.2	32.0	4.2	39.5	-	0.3	0.5	5.1	23.0	1.7	6.5	29	144	100.0	0.0	
c. Nasopharyngeal	0	0	0	1	2	1	3	0.1	1.3	0.1	1.0	-	-	-	0.2	0.5	0.1	0.2	1	4	100.0	0.0	
d. Melanoma	1	4	8	21	84	34	118	1.7	45.3	4.0	38.2	1.1	1.1	1.9	5.1	19.7	2.5	6.4	41	140	99.2	0.0	
e. Skin carcinoma	0	0	0	0	1	0	1	-	-	0.0	0.3	-	-	-	-	0.2	-	0.1	-	1	1	100.0	0.0
f. Other & unspecified	0	1	3	9	49	13	62	0.7	17.3	2.1	20.1	-	0.3	0.7	2.2	11.5	1.0	3.3	16	73	100.0	0.0	
XII OTHER & UNSPECIFIED	1	3	0	3	5	7	12	0.4	100.0	0.4	100.0	1.1	0.8	-	0.7	1.2	0.6	0.7	8	14	100.0	0.0	
a. Other specified	1	3	0	2	3	6	9	0.3	85.7	0.3	75.0	1.1	0.8	-	0.5	0.7	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	25.0	-	-	-	0.2	0.5	0.1	0.2	1	4	100.0	0.0	
TOTAL	245	711	456	553	952	1965	2917	100.0	100.0	100.0	100.0	264.0	201.2	109.8	135.2	223.6	157.6	172.5	2297	3415	96.2	0.0	

Please consult the quality indicators for this registry

USA, Utah (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		
I LEUKAEMIA	24	162	72	55	62	313	375	49.9	45.2	1.2	1.2	22	132	72	41	56	267	323	44.9	40.8				
a. Lymphoid	8	133	62	34	36	237	273	37.9	33.2	1.1	1.1	10	110	62	31	27	213	240	35.8	30.6				
b. Acute myeloid	12	22	9	16	18	59	77	9.3	9.1	1.4	1.2	9	17	7	9	24	42	66	7.1	8.0				
c. CMD	1	1	1	3	5	6	11	0.9	1.2	1.0	1.2	2	2	1	1	3	6	9	1.0	1.1				
d. MDS & other	2	4	0	1	0	7	7	1.2	0.9	3.5	2.3	0	7	2	0	1	2	3	0.4	0.4				
e. Unspecified	1	2	0	1	3	4	7	0.6	0.8	1.0	1.4	1	1	2	0	1	4	5	0.7	0.6				
II LYMPHOMA & RELATED	1	16	58	53	94	128	222	19.0	24.6	2.0	1.4	1	10	9	45	99	65	164	10.0	18.2				
a. Hodgkin	0	0	12	21	62	33	95	4.7	10.2	1.3	1.0	0	0	3	23	73	26	99	3.8	10.7				
b. Non-Hodgkin except BL	0	12	22	21	25	55	80	8.3	9.0	2.5	1.9	0	2	3	17	20	22	42	3.3	4.7				
c. Burkitt (BL)	0	1	20	9	4	30	34	4.4	3.9	3.0	2.3	0	4	1	5	5	10	15	1.6	1.8				
d. Lymphoreticular	1	3	4	1	0	9	9	1.4	1.1	1.5	1.5	1	4	1	0	0	6	6	1.1	0.8				
e. Unspecified	0	0	0	1	3	1	4	0.1	0.4	1.0	2.0	0	0	1	0	1	1	2	0.2	0.2				
III CNS NEOPLASMS	21	78	77	71	58	247	305	38.2	35.7	1.1	1.2	16	81	56	68	35	221	256	36.2	31.7				
a. Ependymoma	3	16	4	3	4	26	30	4.2	3.7	1.3	1.3	2	11	3	4	3	20	23	3.4	2.9				
b. Astrocytoma	8	30	34	37	30	109	139	16.7	16.1	0.8	0.9	8	41	38	46	16	133	149	21.5	18.4				
c. CNS embryonal	8	24	27	18	9	77	86	12.0	10.2	2.2	2.3	6	21	3	5	3	35	38	6.0	5.0				
d. Other gliomas	1	5	12	10	15	28	43	4.2	4.8	0.9	1.0	0	8	12	11	12	31	43	5.0	5.1				
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	0.1	0.2				
f. Unspecified CNS	1	3	0	1	0	5	5	0.8	0.6	5.0	5.0	0	0	0	1	0	1	1	0.1	0.1				
IV NEUROBLASTOMA	30	31	11	3	1	75	76	12.4	9.7	1.1	1.1	35	25	6	1	2	67	69	11.8	9.4				
a. (Ganglio)neuroblastoma	30	31	11	2	0	74	74	12.3	9.5	1.1	1.1	34	25	5	1	0	65	65	11.5	8.9				
b. Peripheral nervous	0	0	0	1	1	1	2	0.1	0.2	0.5	0.5	1	0	1	0	2	2	4	0.3	0.5				
V RETINOBLASTOMA	12	20	1	0	0	33	33	5.6	4.3	1.7	1.7	12	7	0	0	0	19	19	3.4	2.6				
VI RENAL TUMOURS	6	28	6	2	2	42	44	6.9	5.6	0.8	0.7	10	37	6	2	6	55	61	9.6	8.1				
a. Nephroblastoma	6	28	6	2	0	42	42	6.9	5.4	0.8	0.8	10	36	6	1	1	53	54	9.3	7.3				
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	-	-				
VII HEPATIC TUMOURS	7	11	0	5	2	23	25	3.7	3.1	1.9	1.9	1	8	1	2	1	12	13	2.1	1.7				
a. Hepatoblastoma	7	11	0	0	0	18	18	3.0	2.4	2.0	2.0	1	8	0	0	0	9	9	1.6	1.2				
b. Hepatic carcinoma	0	0	0	5	2	5	7	0.7	0.7	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	-	-				
VIII BONE TUMOURS	0	2	16	31	67	49	116	7.0	12.5	1.2	2.1	0	4	10	26	16	40	56	6.1	6.4				
a. Osteosarcoma	0	1	7	16	41	24	65	3.4	7.0	1.0	2.2	0	3	4	16	7	23	30	3.5	3.5				
b. Chondrosarcoma	0	0	0	1	5	1	6	0.1	0.6	1.0	3.0	0	0	0	1	1	1	2	0.1	0.2				
c. Ewing & related	0	0	8	12	20	20	40	2.9	4.3	1.4	1.9	0	1	4	9	7	14	21	2.1	2.4				
d. Other specified	0	1	1	1	1	3	4	0.5	0.5	1.5	1.3	0	0	2	0	1	2	3	0.3	0.4				
e. Unspecified	0	0	0	1	0	1	1	0.1	0.1	-	-	0	0	0	0	0	0	0	-	-				
IX SOFT TISSUE SARCOMA	10	14	23	26	40	73	113	11.1	12.8	1.1	1.2	5	17	13	29	32	64	96	10.2	11.3				
a. Rhabdomyosarcoma	4	8	11	6	12	29	41	4.5	4.8	1.0	1.2	1	14	7	6	6	28	34	4.7	4.3				
b. Fibrosarcoma	2	1	2	3	6	8	14	1.2	1.6	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	4	7	14	17	28	45	4.2	5.0	1.2	1.0	0	1	5	18	22	24	46	3.6	5.1				
e. Unspecified	1	1	3	3	5	8	13	1.2	1.5	1.3	1.6	2	1	1	2	2	6	8	1.0	1.0				
X GERM CELL TUMOURS	16	12	2	17	109	47	156	7.4	17.2	1.1	2.1	13	6	4	20	31	43	74	6.9	8.7				
a. CNS germ cell	1	0	1	14	11	16	27	2.3	2.9	1.5	2.1	3	0	3	5	2	11	13	1.7	1.6				
b. Other extragonadal	8	0	1	2	4	11	15	1.8	1.8	0.6	0.8	10	6	0	1	1	17	18	3.0	2.4				
c. Gonadal germ cell	7	12	0	1	94	20	114	3.4	12.5	1.5	3.1	0	0	1	12	24	13	37	1.9	4.0				
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	0.4				
XI CARCINOMA & MELANOMA	0	3	7	17	79	27	106	3.9	11.3	0.6	0.5	2	4	6	36	155	48	203	7.3	22.1				
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	0.4	1.8	0.1	0.2	0	1	0	20	84	21	105	3.1	11.3				
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	2	1	3	0.1	0.3				
d. Melanoma	0	2	2	11	36	15	51	2.2	5.5	0.8	0.8	1	2	6	10	48	19	67	3.0	7.4				
e. Skin carcinoma	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-				
f. Other & unspecified	0	1	3	5	28	9	37	1.3	4.0	2.3	1.5	0	0	0	4	21	4	25	0.6	2.7				
XII OTHER & UNSPECIFIED	1	2	0	1	2	4	6	0.6	0.7	1.3	1.0	0	1	0	2	3	3	6	0.5	0.7				
a. Other specified	1	2	0	0	1	3	4	0.5	0.5	1.0	0.8	0	1	0	2	2	3	5	0.5	0.6				
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				
TOTAL	128	379	273	281	516	1061	1577	165.8	182.8	1.2	1.2	117	332	183	272	436	904	1340	149.0	161.8				

Please consult the quality indicators for this registry

USA, Utah (1993-2012)

	Age group	Males	Females
Person-years	0	477 490	450 697
	1-4	1 811 462	1 722 420
	5-9	2 135 770	2 016 688
	10-14	2 100 813	1 988 270
	15-19	2 140 056	2 116 989
Total	0-14	6 525 535	6 178 075
	0-19	8 665 591	8 295 064
Average annual population	0-14	326 277	308 904
	0-19	433 280	414 753

Please consult the quality indicators for this registry