

USA, Utah, NH 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
I LEUKAEMIA	34	234	108	77	95	453	548	28.1	100.0	22.5	100.0	45.7	82.2	31.8	22.6	26.6	45.7	41.4	645	778	99.6	0.0
a. Lymphoid	14	193	93	52	48	352	400	21.8	77.7	16.4	73.0	18.8	67.8	27.4	15.3	13.4	35.6	30.6	502	569	100.0	0.0
b. Acute myeloid	17	31	13	19	35	80	115	5.0	17.7	4.7	21.0	22.8	10.9	3.8	5.6	9.8	8.0	8.4	114	163	100.0	0.0
c. CMD	0	3	1	4	8	8	16	0.5	1.8	0.7	2.9	-	1.1	0.3	1.2	2.2	0.8	1.1	12	23	87.5	0.0
d. MDS & other	1	5	0	1	0	7	7	0.4	1.5	0.3	1.3	1.3	1.8	-	0.3	-	0.7	0.6	10	10	100.0	0.0
e. Unspecified	2	2	1	1	4	6	10	0.4	1.3	0.4	1.8	2.7	0.7	0.3	0.3	1.1	0.6	0.7	9	14	100.0	0.0
II LYMPHOMA & RELATED	1	16	50	84	168	151	319	9.4	100.0	13.1	100.0	1.3	5.6	14.7	24.7	47.0	13.8	21.2	221	456	99.7	0.0
a. Hodgkin	0	0	12	38	122	50	172	3.1	33.1	7.1	53.9	-	-	3.5	11.2	34.2	4.4	11.1	74	244	100.0	0.0
b. Non-Hodgkin except BL	0	9	16	30	34	55	89	3.4	36.4	3.7	27.9	-	3.2	4.7	8.8	9.5	5.1	6.1	80	128	98.9	0.0
c. Burkitt (BL)	0	2	18	14	9	34	43	2.1	22.5	1.8	13.5	-	0.7	5.3	4.1	2.5	3.1	3.0	50	62	100.0	0.0
d. Lymphoreticular	1	5	3	1	0	10	10	0.6	6.6	0.4	3.1	1.3	1.8	0.9	0.3	-	1.0	0.8	14	14	100.0	0.0
e. Unspecified	0	0	1	1	3	2	5	0.1	1.3	0.2	1.6	-	-	0.3	0.3	0.8	0.2	0.3	3	7	100.0	0.0
III CNS NEOPLASMS	34	134	116	119	79	403	482	25.0	100.0	19.8	100.0	45.7	47.1	34.2	35.0	22.1	39.3	35.4	580	690	84.6	0.0
a. Ependymoma	5	22	7	6	5	40	45	2.5	9.9	1.8	9.3	6.7	7.7	2.1	1.8	1.4	4.1	3.5	57	64	100.0	0.0
b. Astrocytoma	14	59	65	72	39	210	249	13.0	52.1	10.2	51.7	18.8	20.7	19.1	21.2	10.9	20.2	18.1	303	358	83.5	0.0
c. CNS embryonal	13	39	23	21	10	96	106	6.0	23.8	4.4	22.0	17.5	13.7	6.8	6.2	2.8	9.6	8.1	137	151	100.0	0.0
d. Other gliomas	1	12	21	18	24	52	76	3.2	12.9	3.1	15.8	1.3	4.2	6.2	5.3	6.7	4.9	5.3	75	109	57.9	0.0
e. Other specified	0	0	0	1	1	1	2	0.1	0.2	0.1	0.4	-	-	-	0.3	0.3	0.1	0.1	1	3	100.0	0.0
f. Unspecified CNS	1	2	0	1	0	4	4	0.2	1.0	0.2	0.8	1.3	0.7	-	0.3	-	0.4	0.3	6	6	75.0	0.0
IV NEUROBLASTOMA	53	49	14	3	1	119	120	7.4	100.0	4.9	100.0	71.2	17.2	4.1	0.9	0.3	12.6	9.8	167	168	98.3	0.0
a. (Ganglio)neuroblastoma	52	49	13	2	0	116	116	7.2	97.5	4.8	96.7	69.9	17.2	3.8	0.6	-	12.3	9.5	163	163	98.3	0.0
b. Peripheral nervous	1	0	1	1	1	3	4	0.2	2.5	0.2	3.3	1.3	-	0.3	0.3	0.3	0.3	0.3	4	6	100.0	0.0
V RETINOBLASTOMA	22	22	1	0	0	45	45	2.8	100.0	1.8	100.0	29.6	7.7	0.3	-	-	4.8	3.7	63	63	73.3	0.0
VI RENAL TUMOURS	15	57	11	3	8	86	94	5.3	100.0	3.9	100.0	20.2	20.0	3.2	0.9	2.2	9.1	7.5	121	132	100.0	0.0
a. Nephroblastoma	15	56	11	2	1	84	85	5.2	97.7	3.5	90.4	20.2	19.7	3.2	0.6	0.3	8.9	6.9	118	119	100.0	0.0
b. Renal carcinoma	0	1	0	1	7	2	9	0.1	2.3	0.4	9.6	-	0.4	-	0.3	2.0	0.2	0.6	3	13	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	6	12	1	5	3	24	27	1.5	100.0	1.1	100.0	8.1	4.2	0.3	1.5	0.8	2.5	2.1	34	38	100.0	0.0
a. Hepatoblastoma	6	12	0	0	0	18	18	1.1	75.0	0.7	66.7	8.1	4.2	-	-	-	1.9	1.5	25	25	100.0	0.0
b. Hepatic carcinoma	0	0	1	5	3	6	9	0.4	25.0	0.4	33.3	-	-	0.3	1.5	0.8	0.5	0.6	9	13	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	5	23	48	72	76	148	4.7	100.0	6.1	100.0	-	1.8	6.8	14.1	20.2	6.8	9.8	111	212	98.6	0.0
a. Osteosarcoma	0	4	10	27	42	41	83	2.5	53.9	3.4	56.1	-	1.4	2.9	7.9	11.8	3.7	5.5	60	119	100.0	0.0
b. Chondrosarcoma	0	0	0	2	5	2	7	0.1	2.6	0.3	4.7	-	-	-	0.6	1.4	0.2	0.4	3	10	85.7	0.0
c. Ewing & related	0	1	11	17	24	29	53	1.8	38.2	2.2	35.8	-	0.4	3.2	5.0	6.7	2.6	3.5	43	76	100.0	0.0
d. Other specified	0	0	2	1	1	3	4	0.2	3.9	0.2	2.7	-	-	0.6	0.3	0.3	0.3	0.3	4	6	75.0	0.0
e. Unspecified	0	0	0	1	0	1	1	0.1	1.3	0.0	0.7	-	-	-	0.3	-	0.1	0.1	1	1	100.0	0.0
IX SOFT TISSUE SARCOMA	11	24	32	48	64	115	179	7.1	100.0	7.4	100.0	14.8	8.4	9.4	14.1	17.9	10.9	12.5	166	256	100.0	0.0
a. Rhabdomyosarcoma	2	18	16	11	18	47	65	2.9	40.9	2.7	36.3	2.7	6.3	4.7	3.2	5.0	4.6	4.7	68	93	100.0	0.0
b. Fibrosarcoma	4	1	2	6	8	13	21	0.8	11.3	0.9	11.7	5.4	0.4	0.6	1.8	2.2	1.2	1.5	19	30	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	3	3	10	27	32	43	75	2.7	37.4	3.1	41.9	4.0	1.1	2.9	7.9	9.0	3.9	5.0	63	108	100.0	0.0
e. Unspecified	2	2	4	4	6	12	18	0.7	10.4	0.7	10.1	2.7	0.7	1.2	1.2	1.7	1.2	1.3	17	26	100.0	0.0
X GERM CELL TUMOURS	20	16	4	32	122	72	194	4.5	100.0	8.0	100.0	26.9	5.6	1.2	9.4	34.2	7.0	13.1	103	274	98.5	0.0
a. CNS germ cell	4	0	4	15	12	23	35	1.4	31.9	1.4	18.0	5.4	-	1.2	4.4	3.4	2.1	2.4	34	50	94.3	0.0
b. Other extragonadal	12	6	0	3	5	21	26	1.3	29.2	1.1	13.4	16.1	2.1	-	0.9	1.4	2.2	2.0	29	36	96.2	0.0
c. Gonadal germ cell	4	10	0	12	101	26	127	1.6	36.1	5.2	65.5	5.4	3.5	-	3.5	28.3	2.5	8.3	37	179	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	2	0	2	-	-	0.1	1.0	-	-	-	-	0.6	-	0.1	-	3	100.0	0.0
e. Unspecified gonadal	0	0	0	2	2	2	4	0.1	2.8	0.2	2.1	-	-	-	0.6	0.6	0.2	0.3	3	6	100.0	0.0
XI CARCINOMA & MELANOMA	1	5	9	46	207	61	268	3.8	100.0	11.0	100.0	1.3	1.8	2.7	13.5	58.0	5.4	17.2	89	379	99.6	0.0
a. Adrenocortical	1	1	0	0	0	2	2	0.1	3.3	0.1	0.7	1.3	0.4	-	-	-	0.2	0.2	3	3	100.0	0.0
b. Thyroid	0	1	1	16	82	18	100	1.1	29.5	4.1	37.3	-	0.4	0.3	4.7	23.0	1.6	6.4	26	141	100.0	0.0
c. Nasopharyngeal	0	0	0	0	2	0	2	-	-	0.1	0.7	-	-	-	-	0.6	-	0.1	-	3	100.0	0.0
d. Melanoma	0	3	6	21	82	30	112	1.9	49.2	4.6	41.8	-	1.1	1.8	6.2	23.0	2.7	7.2	44	159	99.1	0.0
e. Skin carcinoma	0	0	0	0	1	0	1	-	-	0.0	0.4	-	-	-	-	0.3	-	0.1	-	1	100.0	0.0
f. Other & unspecified	0	0	2	9	40	11	51	0.7	18.0	2.1	19.0	-	-	0.6	2.6	11.2	1.0	3.3	16	72	100.0	0.0
XII OTHER & UNSPECIFIED	1	3	0	3	4	7	11	0.4	100.0	0.5	100.0	1.3	1.1	-	0.9	1.1	0.7	0.8	10	16	100.0	0.0
a. Other specified	1	3	0	2	2	6	8	0.4	85.7	0.3	72.7	1.3	1.1	-	0.6	0.6	0.6	0.6	9	11	100.0	0.0
b. Other unspecified	0	0	0	1	2	1	3	0.1	14.3	0.1	27.3	-	-	-	0.3	0.6	0.1	0.2	1	4	100.0	0.0
TOTAL	198	577	369	468	823	1612	2435	100.0	100.0	100.0	100.0	266.1	202.7	108.7	137.6	230.4	158.5	174.7	2310	3463	96.0	0.0

Please consult the quality indicators for this registry

USA, Utah, NH 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		
I LEUKAEMIA	19	126	54	48	48	247	295	48.4	43.6	1.2	1.2	15	108	54	29	47	206	253	42.9	39.2				
a. Lymphoid	6	105	46	28	25	185	210	36.4	31.4	1.1	1.1	8	88	47	24	23	167	190	34.7	29.8				
b. Acute myeloid	11	16	7	15	15	49	64	9.5	9.2	1.6	1.3	6	15	6	4	20	31	51	6.5	7.6				
c. CMD	0	1	1	3	5	5	10	0.9	1.3	1.7	1.7	0	2	0	1	3	3	6	0.6	0.9				
d. MDS & other	1	3	0	1	0	5	5	1.0	0.8	2.5	2.5	0	2	0	0	0	2	2	0.4	0.3				
e. Unspecified	1	1	0	1	3	3	6	0.6	0.8	1.0	1.5	1	1	1	0	1	3	4	0.6	0.6				
II LYMPHOMA & RELATED	1	9	43	47	80	100	180	17.8	23.9	2.0	1.3	0	7	7	37	88	51	139	9.4	18.4				
a. Hodgkin	0	0	9	17	56	26	82	4.5	10.5	1.1	0.9	0	0	3	21	66	24	90	4.3	11.6				
b. Non-Hodgkin except BL	0	7	14	19	18	40	58	7.2	7.9	2.7	1.9	0	2	2	11	16	15	31	2.8	4.2				
c. Burkitt (BL)	0	0	17	9	4	26	30	4.6	4.1	3.3	2.3	0	2	1	5	5	8	13	1.5	1.8				
d. Lymphoreticular	1	2	3	1	0	7	7	1.3	1.0	2.3	2.3	0	3	0	0	0	3	3	0.7	0.5				
e. Unspecified	0	0	0	1	2	1	3	0.2	0.4	1.0	1.5	0	0	1	0	1	1	2	0.2	0.3				
III CNS NEOPLASMS	20	64	66	59	53	209	262	39.6	37.4	1.1	1.2	14	70	50	60	26	194	220	38.9	33.4				
a. Ependymoma	3	11	4	3	4	21	25	4.2	3.7	1.1	1.3	2	11	3	3	1	19	20	4.0	3.2				
b. Astrocytoma	8	24	31	31	26	94	120	17.6	16.9	0.8	0.9	6	35	34	41	13	116	129	22.9	19.4				
c. CNS embryonal	7	22	21	16	8	66	74	12.6	10.8	2.2	2.3	6	17	2	5	2	30	32	6.4	5.2				
d. Other gliomas	1	5	10	8	15	24	39	4.4	5.3	0.9	1.1	0	7	11	10	9	28	37	5.5	5.4				
e. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	0.2	0.3				
f. Unspecified CNS	1	2	0	1	0	4	4	0.8	0.6	-	-	0	0	0	0	0	0	0	-	-				
IV NEUROBLASTOMA	24	27	10	2	0	63	63	12.9	10.0	1.1	1.1	29	22	4	1	1	56	57	12.3	9.6				
a. (Ganglio)neuroblastoma	24	27	10	1	0	62	62	12.7	9.9	1.1	1.1	28	22	3	1	0	54	54	11.8	9.2				
b. Peripheral nervous	0	0	0	1	0	1	1	0.2	0.1	0.5	0.3	1	0	1	0	1	2	3	0.4	0.4				
V RETINOBLASTOMA	11	17	1	0	0	29	29	6.1	4.7	1.8	1.8	11	5	0	0	0	16	16	3.5	2.7				
VI RENAL TUMOURS	6	26	5	2	2	39	41	8.0	6.4	0.8	0.8	9	31	6	1	6	47	53	10.2	8.7				
a. Nephroblastoma	6	26	5	2	0	39	39	8.0	6.2	0.9	0.8	9	30	6	0	1	45	46	9.8	7.7				
b. Renal carcinoma	0	0	0	0	2	0	2	-	0.3	0.0	0.3	0	1	0	1	5	2	7	0.4	0.9				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VII HEPATIC TUMOURS	6	8	0	4	2	18	20	3.6	3.0	3.0	2.9	0	4	1	1	1	6	7	1.3	1.1				
a. Hepatoblastoma	6	8	0	0	0	14	14	2.9	2.3	3.5	3.5	0	4	0	0	0	4	4	0.9	0.7				
b. Hepatic carcinoma	0	0	0	4	2	4	6	0.7	0.8	2.0	2.0	0	0	1	1	1	2	3	0.4	0.4				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VIII BONE TUMOURS	0	1	14	26	58	41	99	7.1	12.8	1.2	2.0	0	4	9	22	14	35	49	6.5	6.8				
a. Osteosarcoma	0	1	6	12	36	19	55	3.3	7.1	0.9	2.0	0	3	4	15	6	22	28	4.1	3.9				
b. Chondrosarcoma	0	0	0	1	4	1	5	0.2	0.6	1.0	2.5	0	0	0	1	1	1	2	0.2	0.3				
c. Ewing & related	0	0	7	11	17	18	35	3.1	4.6	1.6	1.9	0	1	4	6	7	11	18	2.1	2.5				
d. Other specified	0	0	1	1	1	2	3	0.4	0.4	2.0	3.0	0	0	1	0	0	1	1	0.2	0.2				
e. Unspecified	0	0	0	1	0	1	1	0.2	0.1	-	-	0	0	0	0	0	0	0	-	-				
IX SOFT TISSUE SARCOMA	7	10	22	21	35	60	95	11.1	13.0	1.1	1.1	4	14	10	27	29	55	84	10.7	11.9				
a. Rhabdomyosarcoma	2	7	10	5	12	24	36	4.6	5.1	1.0	1.2	0	11	6	6	6	23	29	4.7	4.4				
b. Fibrosarcoma	2	0	2	3	6	7	13	1.3	1.8	1.2	1.6	2	1	0	3	2	6	8	1.2	1.2				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	3	2	7	11	13	23	36	4.2	4.9	1.1	0.9	0	1	3	16	19	20	39	3.6	5.2				
e. Unspecified	0	1	3	2	4	6	10	1.1	1.4	1.0	1.3	2	1	1	2	2	6	8	1.2	1.2				
X GERM CELL TUMOURS	11	10	1	15	96	37	133	7.1	17.6	1.1	2.2	9	6	3	17	26	35	61	6.9	8.6				
a. CNS germ cell	1	0	1	12	10	14	24	2.4	3.1	1.6	2.2	3	0	3	3	2	9	11	1.8	1.6				
b. Other extragonadal	6	0	0	2	4	8	12	1.6	1.7	0.6	0.9	6	6	0	1	1	13	14	2.8	2.3				
c. Gonadal germ cell	4	10	0	1	82	15	97	3.1	12.8	1.4	3.2	0	0	0	11	19	11	30	1.9	3.9				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	0.3				
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	2	2	4	0.4	0.5				
XI CARCINOMA & MELANOMA	0	2	4	16	72	22	94	3.8	12.0	0.6	0.5	1	3	5	30	135	39	174	7.1	22.5				
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	1	1	0	0	0	2	2	0.4	0.3				
b. Thyroid	0	0	1	0	13	1	14	0.2	1.8	0.1	0.2	0	1	0	16	69	17	86	3.0	11.0				
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	0.3				
d. Melanoma	0	2	1	11	36	14	50	2.4	6.4	0.9	0.8	0	1	5	10	46	16	62	3.0	8.1				
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	22	7	29	1.2	3.7	1.8	1.3	0	0	0	4	18	4	22	0.7	2.8				
XII OTHER & UNSPECIFIED	1	2	0	1	2	4	6	0.8	0.9	1.3	1.2	0	1	0	2	2	3	5	0.6	0.7				
a. Other specified	1	2	0	0	1	3	4	0.6	0.6	1.0	1.0	0	1	0	2	1	3	4	0.6	0.6				
b. Other unspecified	0	0	0	1	1	1	2	0.2	0.3	-	2.0	0	0	0	0	1	0	1	-	0.1				
TOTAL	106	302	220	241	448	869	1317	166.3	185.4	1.2	1.2	92	275	149	227	375	743	1118	150.3	163.7				

Please consult the quality indicators for this registry

USA, Utah, NH White (1993-2012)

	Age group	Males	Females
Person-years	0	383 081	361 090
	1-4	1 460 083	1 386 549
	5-9	1 748 616	1 646 506
	10-14	1 748 037	1 654 048
	15-19	1 782 929	1 788 446
Total	0-14	5 339 817	5 048 193
	0-19	7 122 746	6 836 639
Average annual population	0-14	266 991	252 410
	0-19	356 137	341 832

Please consult the quality indicators for this registry