

USA, Colorado, 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	27	203	110	88	110	428	538	30.6	100.0	24.3	100.0	45.9	86.6	36.3	27.6	33.4	50.1	46.3	712	879	95.9	0.7
a. Lymphoid	14	179	99	63	57	355	412	25.4	82.9	18.6	76.6	23.8	76.4	32.7	19.8	17.3	41.7	36.2	591	678	97.8	0.2
b. Acute myeloid	8	15	8	15	34	46	80	3.3	10.7	3.6	14.9	13.6	6.4	2.6	4.7	10.3	5.3	6.4	76	128	98.8	0.0
c. CMD	0	3	2	7	13	12	25	0.9	2.8	1.1	4.6	-	1.3	0.7	2.2	3.9	1.2	1.9	19	39	76.0	4.0
d. MDS & other	4	3	1	0	2	8	10	0.6	1.9	0.5	1.9	6.8	1.3	0.3	-	0.6	1.0	0.9	14	17	90.0	0.0
e. Unspecified	1	3	0	3	4	7	11	0.5	1.6	0.5	2.0	1.7	1.3	-	0.9	1.2	0.8	0.9	12	18	54.5	18.2
II LYMPHOMA & RELATED	4	23	48	80	182	155	337	11.1	100.0	15.2	100.0	6.8	9.8	15.8	25.1	55.2	16.0	24.8	251	527	98.2	0.9
a. Hodgkin	0	0	10	43	111	53	164	3.8	34.2	7.4	48.7	-	-	3.3	13.5	33.7	5.0	11.4	84	252	100.0	0.0
b. Non-Hodgkin except BL	1	10	20	24	57	55	112	3.9	35.5	5.1	33.2	1.7	4.3	6.6	7.5	17.3	5.8	8.4	89	176	96.4	1.8
c. Burkitt (BL)	0	5	12	8	12	25	37	1.8	16.1	1.7	11.0	-	2.1	4.0	2.5	3.6	2.7	2.9	41	59	100.0	0.0
d. Lymphoreticular	2	8	4	5	1	19	20	1.4	12.3	0.9	5.9	3.4	3.4	1.3	1.6	0.3	2.2	1.8	31	33	95.0	0.0
e. Unspecified	1	0	2	0	1	3	4	0.2	1.9	0.2	1.2	1.7	-	0.7	-	0.3	0.3	0.3	5	7	75.0	25.0
III CNS NEOPLASMS †	26	102	104	91	118	323	441	23.1	100.0	19.9	100.0	44.2	43.5	34.3	28.5	35.8	36.2	36.2	532	712	75.1	0.2
a. Ependymoma	7	20	4	6	7	37	44	2.6	11.5	2.0	10.0	11.9	8.5	1.3	1.9	2.1	4.5	4.0	62	73	100.0	0.0
b. Astrocytoma	10	34	56	39	38	139	177	9.9	43.0	8.0	40.1	17.0	14.5	18.5	12.2	11.5	15.3	14.5	229	286	83.6	0.0
c. CNS embryonal	5	27	16	12	9	60	69	4.3	18.6	3.1	15.6	8.5	11.5	5.3	3.8	2.7	7.0	6.1	100	113	100.0	0.0
d. Other gliomas	0	11	14	17	15	42	57	3.0	13.0	2.6	12.9	-	4.7	4.6	5.3	4.6	4.5	4.5	68	91	40.4	0.0
e. Other specified	3	9	12	13	49	37	86	2.6	11.5	3.9	19.5	5.1	3.8	4.0	4.1	14.9	4.0	6.5	61	135	51.2	0.0
f. Unspecified CNS	1	1	2	4	0	8	8	0.6	2.5	0.4	1.8	1.7	0.4	0.7	1.3	-	0.8	0.7	13	13	37.5	12.5
IV NEUROBLASTOMA	45	48	13	4	4	110	114	7.9	100.0	5.1	100.0	76.5	20.5	4.3	1.3	1.2	14.0	11.1	186	192	98.2	0.0
a. (Ganglio)neuroblastoma	45	48	13	4	1	110	111	7.9	100.0	5.0	97.4	76.5	20.5	4.3	1.3	0.3	14.0	10.9	186	188	98.2	0.0
b. Peripheral nervous	0	0	0	0	3	0	3	-	-	0.1	2.6	-	-	-	-	0.9	-	0.2	-	5	100.0	0.0
V RETINOBLASTOMA	9	14	1	0	0	24	24	1.7	100.0	1.1	100.0	15.3	6.0	0.3	-	-	3.1	2.4	41	41	70.8	0.0
VI RENAL TUMOURS	13	45	9	7	5	74	79	5.3	100.0	3.6	100.0	22.1	19.2	3.0	2.2	1.5	9.3	7.5	125	132	97.5	1.3
a. Nephroblastoma	12	45	8	3	1	68	69	4.9	91.9	3.1	87.3	20.4	19.2	2.6	0.9	0.3	8.6	6.8	115	117	100.0	0.0
b. Renal carcinoma	0	0	1	3	4	4	8	0.3	5.4	0.4	10.1	-	-	0.3	0.9	1.2	0.4	0.6	6	12	100.0	0.0
c. Unspecified	1	0	0	1	0	2	2	0.1	2.7	0.1	2.5	1.7	-	-	0.3	-	0.2	0.2	3	3	0.0	50.0
VII HEPATIC TUMOURS	5	11	3	3	4	22	26	1.6	100.0	1.2	100.0	8.5	4.7	1.0	0.9	1.2	2.7	2.4	37	43	100.0	0.0
a. Hepatoblastoma	5	11	1	1	0	18	18	1.3	81.8	0.8	69.2	8.5	4.7	0.3	0.3	-	2.3	1.8	30	30	100.0	0.0
b. Hepatic carcinoma	0	0	2	2	4	4	8	0.3	18.2	0.4	30.8	-	-	0.7	0.6	1.2	0.4	0.6	6	13	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	4	17	40	62	61	123	4.4	100.0	5.5	100.0	-	1.7	5.6	12.5	18.8	6.0	8.9	98	192	99.2	0.0
a. Osteosarcoma	0	1	10	22	31	33	64	2.4	54.1	2.9	52.0	-	0.4	3.3	6.9	9.4	3.2	4.6	53	100	100.0	0.0
b. Chondrosarcoma	0	0	0	1	5	1	6	0.1	1.6	0.3	4.9	-	-	-	0.3	1.5	0.1	0.4	2	9	100.0	0.0
c. Ewing & related	0	3	6	17	23	26	49	1.9	42.6	2.2	39.8	-	1.3	2.0	5.3	7.0	2.6	3.6	42	77	98.0	0.0
d. Other specified	0	0	1	0	3	1	4	0.1	1.6	0.2	3.3	-	-	0.3	-	0.9	0.1	0.3	2	6	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX SOFT TISSUE SARCOMA	9	23	19	39	56	90	146	6.4	100.0	6.6	100.0	15.3	9.8	6.3	12.2	17.0	9.8	11.4	147	232	98.6	0.0
a. Rhabdomyosarcoma	4	14	9	14	15	41	56	2.9	45.6	2.5	38.4	6.8	6.0	3.0	4.4	4.6	4.6	4.6	67	90	100.0	0.0
b. Fibrosarcoma	1	3	4	4	7	12	19	0.9	13.3	0.9	13.0	1.7	1.3	1.3	1.3	2.1	1.3	1.5	20	30	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	4	5	5	17	30	31	61	2.2	34.4	2.8	41.8	6.8	2.1	1.6	5.3	9.1	3.3	4.6	50	96	98.4	0.0
e. Unspecified	0	1	1	4	4	6	10	0.4	6.7	0.5	6.8	-	0.4	0.3	1.3	1.2	0.6	0.7	10	16	90.0	0.0
X GERM CELL TUMOURS	8	4	5	30	91	47	138	3.4	100.0	6.2	100.0	13.6	1.7	1.6	9.4	27.6	4.8	10.0	76	214	92.0	0.7
a. CNS germ cell ‡	3	2	4	17	11	26	37	1.9	55.3	1.7	26.8	5.1	0.9	1.3	5.3	3.3	2.6	2.8	42	58	75.7	0.0
b. Other extragonadal	3	1	0	1	4	5	9	0.4	10.6	0.4	6.5	5.1	0.4	-	0.3	1.2	0.6	0.8	8	14	88.9	0.0
c. Gonadal germ cell	2	1	1	10	73	14	87	1.0	29.8	3.9	63.0	3.4	0.4	0.3	3.1	22.2	1.4	6.1	22	133	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	-	0.0	0.7	-	-	-	-	0.3	-	0.1	-	2	100.0	0.0
e. Unspecified gonadal	0	0	0	2	2	2	4	0.1	4.3	0.2	2.9	-	-	-	0.6	0.6	0.2	0.3	3	6	75.0	25.0
XI CARCINOMA & MELANOMA	3	1	8	43	185	55	240	3.9	100.0	10.8	100.0	5.1	0.4	2.6	13.5	56.2	5.3	16.7	87	368	99.6	0.0
a. Adrenocortical	1	1	1	0	1	3	4	0.2	5.5	0.2	1.7	1.7	0.4	0.3	-	0.3	0.4	0.4	5	7	100.0	0.0
b. Thyroid	0	0	4	19	59	23	82	1.6	41.8	3.7	34.2	-	-	1.3	6.0	17.9	2.2	5.7	36	126	100.0	0.0
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Melanoma	1	0	2	15	89	18	107	1.3	32.7	4.8	44.6	1.7	-	0.7	4.7	27.0	1.7	7.4	29	164	99.1	0.0
e. Skin carcinoma	0	0	0	0	2	0	2	-	-	0.1	0.8	-	-	-	-	0.6	-	0.1	-	3	100.0	0.0
f. Other & unspecified	1	0	1	9	34	11	45	0.8	20.0	2.0	18.8	1.7	-	0.3	2.8	10.3	1.1	3.1	17	69	100.0	0.0
XII OTHER & UNSPECIFIED	1	3	2	3	2	9	11	0.6	100.0	0.5	100.0	1.7	1.3	0.7	0.9	0.6	1.0	0.9	15	18	100.0	0.0
a. Other specified	1	3	1	3	1	8	9	0.6	88.9	0.4	81.8	1.7	1.3	0.3	0.9	0.3	0.9	0.8	13	15	100.0	0.0
b. Other unspecified	0	0	1	0	1	1	2	0.1	11.1	0.1	18.2	-	-	0.3	-	0.3	0.1	0.2	2	3	100.0	0.0
TOTAL	150	481	339	428	819	1398	2217	100.0	100.0	100.0	100.0	255.0	205.2	111.8	134.2	248.6	158.3	178.6	2306	3549	92.6	0.5

† includes 96 non-malignant ‡ includes 2 non-malignant

Please consult the quality indicators for this registry

USA, Colorado, NH White (1998-2012)

	Males										M/F ratio		Females									
	Number of cases in age groups					ASR per million					0-14	0-19	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	12	108	69	56	75	245	320	55.0	52.5	1.3	1.5	15	95	41	32	35	183	218	44.8	39.7		
a. Lymphoid	2	95	64	40	41	201	242	45.2	40.5	1.3	1.4	12	84	35	23	16	154	170	38.0	31.8		
b. Acute myeloid	6	9	5	9	22	29	51	6.5	7.9	1.7	1.8	2	6	3	6	12	17	29	4.0	4.8		
c. CMD	0	2	0	7	7	9	16	1.8	2.3	3.0	1.8	0	1	2	0	6	3	9	0.7	1.4		
d. MDS & other	3	0	0	0	2	3	5	0.8	0.9	0.6	1.0	1	3	1	0	0	5	5	1.3	1.0		
e. Unspecified	1	2	0	0	3	3	6	0.8	1.0	0.8	1.2	0	1	0	3	1	4	5	0.8	0.8		
II LYMPHOMA & RELATED	1	17	36	51	106	105	211	21.1	30.3	2.1	1.7	3	6	12	29	76	50	126	10.5	18.9		
a. Hodgkin	0	0	7	28	62	35	97	6.4	13.1	1.9	1.4	0	0	3	15	49	18	67	3.5	9.6		
b. Non-Hodgkin except BL	1	8	14	14	33	37	70	7.7	10.3	2.1	1.7	0	2	6	10	24	18	42	3.7	6.3		
c. Burkitt (BL)	0	5	11	7	9	23	32	4.8	4.9	11.5	6.4	0	0	1	1	3	2	5	0.4	0.7		
d. Lymphoreticular	0	4	3	2	1	9	10	2.0	1.7	0.9	1.0	2	4	1	3	0	10	10	2.4	1.9		
e. Unspecified	0	0	1	0	1	1	2	0.2	0.3	0.5	1.0	1	0	1	0	0	2	2	0.5	0.4		
III CNS NEOPLASMS †	10	61	59	42	55	172	227	37.9	36.6	1.1	1.1	16	41	45	49	63	151	214	34.5	35.7		
a. Ependymoma	4	15	1	4	2	24	26	5.8	4.8	1.8	1.4	3	5	3	2	5	13	18	3.2	3.2		
b. Astrocytoma	5	13	33	17	26	68	94	14.5	14.6	1.0	1.1	5	21	23	22	12	71	83	16.2	14.3		
c. CNS embryonal	1	18	13	9	8	41	49	9.2	8.2	2.2	2.5	4	9	3	3	1	19	20	4.7	3.8		
d. Other gliomas	0	8	6	6	7	20	27	4.4	4.3	0.9	0.9	0	3	8	11	8	22	30	4.6	4.7		
e. Other specified	0	7	5	5	12	17	29	3.7	4.5	0.9	0.5	3	2	7	8	37	20	57	4.4	8.7		
f. Unspecified CNS	0	0	1	1	0	2	2	0.4	0.3	0.3	0.3	1	1	1	3	0	6	6	1.3	1.0		
IV NEUROBLASTOMA	23	25	3	3	2	54	56	13.5	10.7	1.0	1.0	22	23	10	1	2	56	58	14.6	11.6		
a. (Ganglioneuroblastoma	23	25	3	3	0	54	54	13.5	10.4	1.0	0.9	22	23	10	1	1	56	57	14.6	11.5		
b. Peripheral nervous	0	0	0	0	2	0	2	-	0.3	-	2.0	0	0	0	0	1	0	1	-	0.1		
V RETINOBLASTOMA	4	8	1	0	0	13	13	3.3	2.5	1.2	1.2	5	6	0	0	0	11	11	3.0	2.3		
VI RENAL TUMOURS	5	23	5	3	4	36	40	8.8	7.3	0.9	1.0	8	22	4	4	1	38	39	9.8	7.7		
a. Nephroblastoma	5	23	5	2	1	35	36	8.6	6.8	1.1	1.1	7	22	3	1	0	33	33	8.7	6.8		
b. Renal carcinoma	0	0	0	1	3	1	4	0.2	0.5	0.3	1.0	0	0	1	2	1	3	4	0.6	0.6		
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	1	0	0	1	0	2	2	0.5	0.4		
VII HEPATIC TUMOURS	3	8	0	2	2	13	15	3.2	2.7	1.4	1.4	2	3	3	1	2	9	11	2.2	2.0		
a. Hepatoblastoma	3	8	0	0	0	11	11	2.8	2.2	1.6	1.6	2	3	1	1	0	7	7	1.8	1.4		
b. Hepatic carcinoma	0	0	0	2	2	2	4	0.4	0.5	1.0	1.0	0	0	2	0	2	2	4	0.4	0.6		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	2	9	19	38	30	68	5.7	9.4	1.0	1.2	0	2	8	21	24	31	55	6.2	8.2		
a. Osteosarcoma	0	1	6	9	20	16	36	3.1	5.0	0.9	1.3	0	0	4	13	11	17	28	3.3	4.1		
b. Chondrosarcoma	0	0	0	1	3	1	4	0.2	0.5	-	2.0	0	0	0	0	2	0	2	-	0.3		
c. Ewing & related	0	1	3	9	13	13	26	2.5	3.6	1.0	1.1	0	2	3	8	10	13	23	2.7	3.5		
d. Other specified	0	0	0	0	2	0	2	-	0.3	0.0	1.0	0	0	1	0	1	1	2	0.2	0.3		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
IX SOFT TISSUE SARCOMA	5	10	11	22	32	48	80	10.0	12.0	1.1	1.2	4	13	8	17	24	42	66	9.6	10.8		
a. Rhabdomyosarcoma	2	7	6	7	8	22	30	4.8	4.8	1.2	1.2	2	7	3	7	7	19	26	4.4	4.4		
b. Fibrosarcoma	0	1	2	3	5	6	11	1.2	1.6	1.0	1.4	1	2	2	1	2	6	8	1.4	1.4		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	3	2	3	9	17	17	34	3.5	4.9	1.2	1.3	1	3	2	8	13	14	27	3.0	4.2		
e. Unspecified	0	0	0	3	2	3	5	0.5	0.7	1.0	1.0	0	1	1	1	2	3	5	0.7	0.8		
X GERM CELL TUMOURS	5	2	1	20	74	28	102	5.5	14.0	1.5	2.8	3	2	4	10	17	19	36	4.1	5.6		
a. CNS germ cell ‡	2	0	1	16	10	19	29	3.6	4.1	2.7	3.6	1	2	3	1	1	7	8	1.7	1.4		
b. Other extragonadal	1	1	0	0	2	2	4	0.5	0.7	0.7	0.8	2	0	0	1	2	3	5	0.7	0.9		
c. Gonadal germ cell	2	1	0	3	62	6	68	1.3	9.2	0.8	3.6	0	0	1	7	11	8	19	1.5	2.7		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.1		
e. Unspecified gonadal	0	0	0	1	0	1	1	0.2	0.1	1.0	0.3	0	0	0	1	2	1	3	0.2	0.4		
XI CARCINOMA & MELANOMA	2	0	6	14	55	22	77	4.2	10.5	0.7	0.5	1	1	2	29	130	33	163	6.4	23.4		
a. Adrenocortical	0	0	1	0	0	1	1	0.2	0.2	0.5	0.3	1	1	0	0	1	2	3	0.5	0.6		
b. Thyroid	0	0	3	4	7	7	14	1.3	2.0	0.4	0.2	0	0	1	15	52	16	68	3.0	9.7		
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	1	0	1	7	32	9	41	1.7	5.5	1.0	0.6	0	0	1	8	57	9	66	1.7	9.4		
e. Skin carcinoma	0	0	0	0	1	0	1	-	0.1	-	1.0	0	0	0	0	1	0	1	-	0.1		
f. Other & unspecified	1	0	1	3	15	5	20	1.0	2.7	0.8	0.8	0	0	0	6	19	6	25	1.1	3.6		
XII OTHER & UNSPECIFIED	0	1	1	1	2	3	5	0.6	0.8	0.5	0.8	1	2	1	2	0	6	6	1.4	1.1		
a. Other specified	0	1	0	1	1	2	3	0.4	0.5	0.3	0.5	1	2	1	2	0	6	6	1.4	1.1		
b. Other unspecified	0	0	1	0	1	1	2	0.2	0.3	-	-	0	0	0	0	0	0	0	-	-		
TOTAL	70	265	201	233	445	769	1214	168.9	189.4	1.2	1.2	80	216	138	195	374	629	1003	147.2	167.2		

† includes 34 non-malignant in males and 62 non-malignant in females ‡ includes 2 non-malignant in females

Please consult the quality indicators for this registry

USA, Colorado, NH White (1998-2012)

	Age group	Males	Females
Person-years	0	302 929	285 413
	1-4	1 203 843	1 140 203
	5-9	1 558 295	1 473 730
	10-14	1 640 865	1 547 862
	15-19	1 710 342	1 584 005
Total	0-14	4 705 932	4 447 208
	0-19	6 416 274	6 031 213
Average annual population	0-14	313 729	296 481
	0-19	427 752	402 081

Please consult the quality indicators for this registry