

USA, Kentucky, 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			0-19	0-14	0-19
I LEUKAEMIA	28	246	131	83	115	488	603	26.9	100.0	22.4	100.0	40.8	90.0	37.1	22.6	30.6	49.6	45.3	699	852	96.2	1.5
a. Lymphoid	11	218	105	53	53	387	440	21.3	79.3	16.3	73.0	16.0	79.8	29.8	14.4	14.1	39.7	34.0	556	626	96.8	0.9
b. Acute myeloid	10	16	11	18	41	55	96	3.0	11.3	3.6	15.9	14.6	5.9	3.1	4.9	10.9	5.4	6.6	78	133	97.9	2.1
c. CMD	1	0	5	7	13	13	26	0.7	2.7	1.0	4.3	1.5	-	1.4	1.9	3.5	1.1	1.6	18	35	84.6	3.8
d. MDS & other	2	7	1	1	7	11	18	0.6	2.3	0.7	3.0	2.9	2.6	0.3	0.3	1.9	1.2	1.3	16	25	94.4	5.6
e. Unspecified	4	5	9	4	1	22	23	1.2	4.5	0.9	3.8	5.8	1.8	2.6	1.1	0.3	2.2	1.7	31	33	91.3	4.3
II LYMPHOMA & RELATED	2	37	55	99	195	193	388	10.6	100.0	14.4	100.0	2.9	13.5	15.6	26.9	52.0	17.3	25.1	270	529	98.7	0.3
a. Hodgkin	0	0	18	53	136	71	207	3.9	36.8	7.7	53.4	-	-	5.1	14.4	36.2	5.8	12.7	98	279	99.5	0.5
b. Non-Hodgkin except BL	0	17	17	26	37	60	97	3.3	31.1	3.6	25.0	-	6.2	4.8	7.1	9.9	5.5	6.5	84	134	100.0	0.0
c. Burkitt (BL)	0	8	13	12	13	33	46	1.8	17.1	1.7	11.9	-	2.9	3.7	3.3	3.5	3.0	3.1	46	64	100.0	0.0
d. Lymphoreticular	2	12	6	8	5	28	33	1.5	14.5	1.2	8.5	2.9	4.4	1.7	2.2	1.3	2.8	2.4	40	47	97.0	0.0
e. Unspecified	0	0	1	0	4	1	5	0.1	0.5	0.2	1.3	-	-	0.3	-	1.1	0.1	0.3	1	7	40.0	0.0
III CNS NEOPLASMS †	36	141	156	184	171	517	688	28.5	100.0	25.5	100.0	52.5	51.6	44.2	50.0	45.6	48.8	48.1	730	958	68.6	1.2
a. Ependymoma	8	10	11	8	13	37	50	2.0	7.2	1.9	7.3	11.7	3.7	3.1	2.2	3.5	3.7	3.6	53	70	88.0	0.0
b. Astrocytoma	13	69	58	90	45	230	275	12.7	44.5	10.2	40.0	19.0	25.2	16.4	24.5	12.0	21.7	19.5	325	384	76.7	0.4
c. CNS embryonal	9	35	23	15	12	82	94	4.5	15.9	3.5	13.7	13.1	12.8	6.5	4.1	3.2	8.3	7.1	117	133	97.9	2.1
d. Other gliomas	2	20	33	29	19	84	103	4.6	16.2	3.8	15.0	2.9	7.3	9.4	7.9	5.1	7.8	7.2	118	144	34.0	2.9
e. Other specified	2	7	28	38	75	75	150	4.1	14.5	5.6	21.8	2.9	2.6	7.9	10.3	20.0	6.6	9.6	105	204	54.7	0.0
f. Unspecified CNS	2	0	3	4	7	9	16	0.5	1.7	0.6	2.3	2.9	-	0.9	1.1	1.9	0.8	1.1	13	22	50.0	12.5
IV NEUROBLASTOMA	36	72	17	7	1	132	133	7.3	100.0	4.9	100.0	52.5	26.3	4.8	1.9	0.3	14.3	11.2	192	193	98.5	0.8
a. (Ganglio)neuroblastoma	36	72	17	6	1	131	132	7.2	99.2	4.9	99.2	52.5	26.3	4.8	1.6	0.3	14.3	11.1	190	192	98.5	0.8
b. Peripheral nervous	0	0	0	1	0	1	1	0.1	0.8	0.0	0.8	-	-	-	0.3	-	0.1	0.1	1	1	100.0	0.0
V RETINOBLASTOMA	24	24	0	0	0	48	48	2.6	100.0	1.8	100.0	35.0	8.8	-	-	-	5.4	4.2	70	70	79.2	0.0
VI RENAL TUMOURS	11	55	22	2	4	90	94	5.0	100.0	3.5	100.0	16.0	20.1	6.2	0.5	1.1	9.6	7.7	130	136	98.9	1.1
a. Nephroblastoma	10	55	20	1	1	86	87	4.7	95.6	3.2	92.6	14.6	20.1	5.7	0.3	0.3	9.3	7.2	125	126	100.0	0.0
b. Renal carcinoma	1	0	1	1	3	3	6	0.2	3.3	0.2	6.4	1.5	-	0.3	0.3	0.8	0.3	0.4	4	8	83.3	16.7
c. Unspecified	0	0	1	0	0	1	1	0.1	1.1	0.0	1.1	-	-	0.3	-	-	0.1	0.1	1	1	100.0	0.0
VII HEPATIC TUMOURS	11	14	3	3	6	31	37	1.7	100.0	1.4	100.0	16.0	5.1	0.9	0.8	1.6	3.3	2.9	45	53	97.3	2.7
a. Hepatoblastoma	10	14	1	3	1	28	29	1.5	90.3	1.1	78.4	14.6	5.1	0.3	0.8	0.3	3.0	2.4	41	42	96.6	3.4
b. Hepatic carcinoma	1	0	2	0	5	3	8	0.2	9.7	0.3	21.6	1.5	-	0.6	-	1.3	0.3	0.5	4	11	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	1	3	23	51	47	78	125	4.3	100.0	4.6	100.0	1.5	1.1	6.5	13.9	12.5	6.6	7.9	108	170	96.8	0.0
a. Osteosarcoma	0	0	13	23	26	36	62	2.0	46.2	2.3	49.6	-	-	3.7	6.3	6.9	3.0	3.9	50	84	93.5	0.0
b. Chondrosarcoma	1	0	0	2	5	3	8	0.2	3.8	0.3	6.4	1.5	-	-	0.5	1.3	0.3	0.5	4	11	100.0	0.0
c. Ewing & related	0	3	9	22	15	34	49	1.9	43.6	1.8	39.2	-	1.1	2.6	6.0	4.0	2.9	3.1	47	67	100.0	0.0
d. Other specified	0	0	1	3	0	4	4	0.2	5.1	0.1	3.2	-	-	0.3	0.8	-	0.3	0.3	5	5	100.0	0.0
e. Unspecified	0	0	0	1	1	1	2	0.1	1.3	0.1	1.6	-	-	-	0.3	0.3	0.1	0.1	1	3	100.0	0.0
IX SOFT TISSUE SARCOMA	10	23	32	51	45	116	161	6.4	100.0	6.0	100.0	14.6	8.4	9.1	13.9	12.0	10.7	11.0	163	223	98.8	0.6
a. Rhabdomyosarcoma	3	17	12	19	6	51	57	2.8	44.0	2.1	35.4	4.4	6.2	3.4	5.2	1.6	4.9	4.1	72	80	98.2	1.8
b. Fibrosarcoma	2	0	4	3	7	9	16	0.5	7.8	0.6	9.9	2.9	-	1.1	0.8	1.9	0.8	1.1	13	22	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	2	6	14	23	23	45	68	2.5	38.8	2.5	42.2	2.9	2.2	4.0	6.3	6.1	4.0	4.5	63	93	100.0	0.0
e. Unspecified	3	0	2	6	9	11	20	0.6	9.5	0.7	12.4	4.4	-	0.6	1.6	2.4	1.0	1.3	15	27	95.0	0.0
X GERM CELL TUMOURS	20	5	5	28	97	58	155	3.2	100.0	5.8	100.0	29.2	1.8	1.4	7.6	25.9	5.5	10.1	82	211	97.4	0.0
a. CNS germ cell ‡	2	0	3	13	6	18	24	1.0	31.0	0.9	15.5	2.9	-	0.9	3.5	1.6	1.5	1.5	25	33	83.3	0.0
b. Other extragonadal	14	3	0	1	3	18	21	1.0	31.0	0.8	13.5	20.4	1.1	-	0.3	0.8	2.0	1.7	26	30	100.0	0.0
c. Gonadal germ cell	4	2	2	13	79	21	100	1.2	36.2	3.7	64.5	5.8	0.7	0.6	3.5	21.1	1.9	6.2	29	135	100.0	0.0
d. Gonadal carcinoma	0	0	0	1	5	1	6	0.1	1.7	0.2	3.9	-	-	-	0.3	1.3	0.1	0.4	1	8	100.0	0.0
e. Unspecified gonadal	0	0	0	0	4	0	4	-	-	0.1	2.6	-	-	-	-	1.1	-	0.2	-	5	100.0	0.0
XI CARCINOMA & MELANOMA	1	1	8	50	195	60	255	3.3	100.0	9.5	100.0	1.5	0.4	2.3	13.6	52.0	4.9	15.5	82	342	100.0	0.0
a. Adrenocortical	0	0	0	0	2	0	2	-	-	0.1	0.8	-	-	-	-	0.5	-	0.1	-	3	100.0	0.0
b. Thyroid	1	1	2	27	97	31	128	1.7	51.7	4.7	50.2	1.5	0.4	0.6	7.3	25.9	2.5	7.8	42	172	100.0	0.0
c. Nasopharyngeal	0	0	1	2	3	3	6	0.2	5.0	0.2	2.4	-	-	0.3	0.5	0.8	0.2	0.4	4	8	100.0	0.0
d. Melanoma	0	0	4	8	57	12	69	0.7	20.0	2.6	27.1	-	-	1.1	2.2	15.2	1.0	4.2	17	92	100.0	0.0
e. Skin carcinoma	0	0	0	0	3	0	3	-	-	0.1	1.2	-	-	-	-	0.8	-	0.2	-	4	100.0	0.0
f. Other & unspecified	0	0	1	13	33	14	47	0.8	23.3	1.7	18.4	-	-	0.3	3.5	8.8	1.1	2.8	19	63	100.0	0.0
XII OTHER & UNSPECIFIED	2	3	0	1	2	6	8	0.3	100.0	0.3	100.0	2.9	1.1	-	0.3	0.5	0.6	0.6	9	11	75.0	25.0
a. Other specified	1	2	0	1	0	4	4	0.2	66.7	0.1	50.0	1.5	0.7	-	0.3	-	0.4	0.3	6	6	100.0	0.0
b. Other unspecified	1	1	0	0	2	2	4	0.1	33.3	0.1	50.0	1.5	0.4	-	-	0.5	0.2	0.3	3	6	50.0	50.0
TOTAL	182	624	452	559	878	1817	2695	100.0	100.0	100.0	100.0	265.5	228.3	128.1	152.1	234.0	176.7	189.6	2579	3749	90.0	0.9

† includes 165 non-malignant ‡ includes 6 non-malignant

Please consult the quality indicators for this registry

USA, Kentucky, NH White (1998-2012)

	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	21	126	76	46	69	269	338	53.1	49.2	1.2	1.3	7	120	55	37	46	219	265	45.8	41.2				
a. Lymphoid	9	110	62	33	43	214	257	42.4	37.9	1.2	1.4	2	108	43	20	10	173	183	36.9	29.8				
b. Acute myeloid	6	9	6	9	16	30	46	5.8	6.3	1.2	0.9	4	7	5	9	25	25	50	5.0	6.9				
c. CMD	1	0	1	3	7	5	12	0.9	1.5	0.6	0.9	0	0	4	4	6	8	14	1.4	1.8				
d. MDS & other	2	4	1	0	2	7	9	1.5	1.4	1.8	1.0	0	3	0	1	5	4	9	0.9	1.3				
e. Unspecified	3	3	6	1	1	13	14	2.5	2.1	1.4	1.6	1	2	3	3	0	9	9	1.7	1.4				
II LYMPHOMA & RELATED	2	22	41	64	125	129	254	22.4	32.0	2.0	1.9	0	15	14	35	70	64	134	11.8	17.8				
a. Hodgkin	0	0	13	34	79	47	126	7.5	15.1	2.0	1.6	0	0	5	19	57	24	81	4.0	10.1				
b. Non-Hodgkin except BL	0	10	11	14	29	35	64	6.3	8.3	1.4	1.9	0	7	6	12	8	25	33	4.7	4.6				
c. Burkitt (BL)	0	5	10	11	10	26	36	4.6	4.7	3.7	3.6	0	3	3	1	3	7	10	1.4	1.5				
d. Lymphoreticular	2	7	6	5	4	20	24	3.8	3.4	2.5	2.7	0	5	0	3	1	8	9	1.6	1.4				
e. Unspecified	0	0	1	0	3	1	4	0.2	0.5	-	4.0	0	0	0	0	1	0	1	-	0.1				
III CNS NEOPLASMS †	18	66	78	94	71	256	327	46.9	44.7	1.0	0.9	18	75	78	90	100	261	361	50.9	51.7				
a. Ependymoma	3	4	8	3	4	18	22	3.4	3.1	0.9	0.8	5	6	3	5	9	19	28	3.9	4.2				
b. Astrocytoma	6	31	27	47	18	111	129	20.2	17.8	0.9	0.9	7	38	31	43	27	119	146	23.3	21.3				
c. CNS embryonal	5	20	15	11	7	51	58	9.9	8.5	1.6	1.6	4	15	8	4	5	31	36	6.6	5.7				
d. Other gliomas	1	7	14	10	14	32	46	5.8	6.1	0.6	0.8	1	13	19	19	5	52	57	9.9	8.3				
e. Other specified	1	4	14	20	24	39	63	6.7	8.0	1.1	0.7	1	3	14	18	51	36	87	6.5	11.3				
f. Unspecified CNS	2	0	0	3	4	5	9	0.9	1.2	1.3	1.3	0	0	3	1	3	4	7	0.7	0.9				
IV NEUROBLASTOMA	21	43	13	4	1	81	82	17.1	13.4	1.6	1.6	15	29	4	3	0	51	51	11.5	8.9				
a. (Ganglioneuroblastoma	21	43	13	4	1	81	82	17.1	13.4	1.6	1.6	15	29	4	2	0	50	50	11.3	8.7				
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.2	0.1				
V RETINOBLASTOMA	14	17	0	0	0	31	31	6.9	5.3	1.8	1.8	10	7	0	0	0	17	17	3.9	3.1				
VI RENAL TUMOURS	8	30	9	0	1	47	48	10.0	7.9	1.1	1.0	3	25	13	2	3	43	46	9.3	7.5				
a. Nephroblastoma	7	30	9	0	0	46	46	9.8	7.6	1.1	1.1	3	25	11	1	1	40	41	8.7	6.9				
b. Renal carcinoma	1	0	0	0	1	1	2	0.2	0.3	0.5	0.5	0	0	1	1	2	2	4	0.4	0.5				
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	0	1	1	0.2	0.1				
VII HEPATIC TUMOURS	7	7	3	2	3	19	22	3.9	3.4	1.6	1.5	4	7	0	1	3	12	15	2.7	2.5				
a. Hepatoblastoma	7	7	1	2	0	17	17	3.6	2.8	1.5	1.4	3	7	0	1	1	11	12	2.5	2.0				
b. Hepatic carcinoma	0	0	2	0	3	2	5	0.4	0.6	2.0	1.7	1	0	0	0	2	1	3	0.2	0.4				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VIII BONE TUMOURS	1	2	13	22	33	38	71	6.4	8.8	0.9	1.3	0	1	10	29	14	40	54	6.8	7.0				
a. Osteosarcoma	0	0	7	7	18	14	32	2.3	3.9	0.6	1.1	0	0	6	16	8	22	30	3.7	3.9				
b. Chondrosarcoma	1	0	0	1	4	2	6	0.4	0.8	2.0	3.0	0	0	0	1	1	1	2	0.2	0.2				
c. Ewing & related	0	2	5	14	10	21	31	3.5	3.9	1.6	1.7	0	1	4	8	5	13	18	2.3	2.4				
d. Other specified	0	0	1	0	0	1	1	0.2	0.1	0.3	0.3	0	0	0	3	0	3	3	0.5	0.4				
e. Unspecified	0	0	0	0	1	0	1	-	0.1	0.0	1.0	0	0	0	1	0	1	1	0.2	0.1				
IX SOFT TISSUE SARCOMA	6	13	19	30	25	68	93	12.2	12.4	1.4	1.4	4	10	13	21	20	48	68	9.1	9.5				
a. Rhabdomyosarcoma	2	9	9	11	6	31	37	5.7	5.1	1.6	1.9	1	8	3	8	0	20	20	4.0	3.1				
b. Fibrosarcoma	1	0	2	1	3	4	7	0.7	0.9	0.8	0.8	1	0	2	2	4	5	9	0.9	1.2				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	2	4	7	14	10	27	37	4.7	4.8	1.5	1.2	0	2	7	9	13	18	31	3.2	4.1				
e. Unspecified	1	0	1	4	6	6	12	1.0	1.5	1.2	1.5	2	0	1	2	3	5	8	1.0	1.1				
X GERM CELL TUMOURS	9	3	2	16	72	30	102	5.5	12.7	1.1	1.9	11	2	3	12	25	28	53	5.5	7.4				
a. CNS germ cell ‡	0	0	2	12	6	14	20	2.2	2.4	3.5	5.0	2	0	1	1	0	4	4	0.8	0.6				
b. Other extragonadal	5	1	0	1	1	7	8	1.5	1.3	0.6	0.6	9	2	0	0	2	11	13	2.6	2.2				
c. Gonadal germ cell	4	2	0	3	64	9	73	1.8	8.9	0.8	2.7	0	0	2	10	15	12	27	2.0	3.4				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	5	1	6	0.2	0.7				
e. Unspecified gonadal	0	0	0	0	1	0	1	-	0.1	-	0.3	0	0	0	0	3	0	3	-	0.4				
XI CARCINOMA & MELANOMA	1	0	2	17	48	20	68	3.2	8.1	0.5	0.4	0	1	6	33	147	40	187	6.7	23.3				
a. Adrenocortical	0	0	0	0	2	0	2	-	0.2	-	-	0	0	0	0	0	0	0	-	-				
b. Thyroid	1	0	0	6	11	7	18	1.1	2.2	0.3	0.2	0	1	2	21	86	24	110	4.0	13.7				
c. Nasopharyngeal	0	0	1	2	2	3	5	0.5	0.6	-	5.0	0	0	0	0	1	0	1	-	0.1				
d. Melanoma	0	0	1	5	20	6	26	0.9	3.1	1.0	0.6	0	0	3	3	37	6	43	1.1	5.4				
e. Skin carcinoma	0	0	0	0	1	0	1	-	0.1	-	0.5	0	0	0	0	2	0	2	-	0.2				
f. Other & unspecified	0	0	0	4	12	4	16	0.6	1.9	0.4	0.5	0	0	1	9	21	10	31	1.7	3.9				
XII OTHER & UNSPECIFIED	1	0	0	0	1	1	2	0.2	0.3	0.2	0.3	1	3	0	1	1	5	6	1.1	1.0				
a. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	1	2	0	1	0	4	4	0.9	0.7				
b. Other unspecified	1	0	0	0	1	1	2	0.2	0.3	1.0	1.0	0	1	0	0	1	1	2	0.2	0.3				
TOTAL	109	329	256	295	449	989	1438	187.8	198.1	1.2	1.1	73	295	196	264	429	828	1257	165.1	180.7				

† includes 69 non-malignant in males and 96 non-malignant in females ‡ includes 4 non-malignant in males and 2 non-malignant in females

Please consult the quality indicators for this registry

USA, Kentucky, NH White (1998-2012)

	Age group	Males	Females
Person-years	0	351 365	334 138
	1-4	1 399 168	1 333 796
	5-9	1 811 243	1 718 047
	10-14	1 889 707	1 786 712
	15-19	1 922 686	1 829 699
Total	0-14	5 451 483	5 172 693
	0-19	7 374 169	7 002 392
Average annual population	0-14	363 432	344 846
	0-19	491 611	466 826

Please consult the quality indicators for this registry