

USA, Tennessee, NH White (1999-2012)

	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	33	288	137	106	136	564	700	29.2	100.0	24.2	100.0	43.7	94.1	34.4	25.4	32.3	51.0	46.8	719	881	97.9	0.1
a. Lymphoid	14	235	122	73	63	444	507	23.0	78.7	17.5	72.4	18.5	76.8	30.6	17.5	15.0	40.2	34.5	567	641	99.0	0.2
b. Acute myeloid	7	34	6	20	45	67	112	3.5	11.9	3.9	16.0	9.3	11.1	1.5	4.8	10.7	6.0	7.1	85	139	100.0	0.0
c. CMD	2	7	3	7	15	19	34	1.0	3.4	1.2	4.9	2.6	2.3	0.8	1.7	3.6	1.6	2.1	24	42	73.5	0.0
d. MDS & other	8	6	2	1	6	17	23	0.9	3.0	0.8	3.3	10.6	2.0	0.5	0.2	1.4	1.7	1.6	22	29	100.0	0.0
e. Unspecified	2	6	4	5	7	17	24	0.9	3.0	0.8	3.4	2.6	2.0	1.0	1.2	1.7	1.5	1.5	21	30	95.8	0.0
II LYMPHOMA & RELATED	9	34	50	93	212	186	398	9.6	100.0	13.7	100.0	11.9	11.1	12.6	22.3	50.3	14.9	22.8	230	482	98.2	0.0
a. Hodgkin	0	4	12	50	148	66	214	3.4	35.5	7.4	53.8	-	1.3	3.0	12.0	35.1	4.9	11.7	80	256	99.1	0.0
b. Non-Hodgkin except BL	3	15	24	29	47	71	118	3.7	38.2	4.1	29.6	4.0	4.9	6.0	6.9	11.2	5.8	7.0	88	144	98.3	0.0
c. Burkitt (BL)	0	7	12	7	10	26	36	1.3	14.0	1.2	9.0	-	2.3	3.0	1.7	2.4	2.2	2.2	33	44	100.0	0.0
d. Lymphoreticular	6	7	2	5	4	20	24	1.0	10.8	0.8	6.0	7.9	2.3	0.5	1.2	0.9	1.8	1.6	26	30	95.8	0.0
e. Unspecified	0	1	0	2	3	3	6	0.2	1.6	0.2	1.5	-	0.3	-	0.5	0.7	0.2	0.3	4	7	66.7	0.0
III CNS NEOPLASMS †	35	163	151	156	188	505	693	26.2	100.0	23.9	100.0	46.3	53.2	37.9	37.4	44.6	43.2	43.5	636	859	80.1	0.1
a. Ependymoma	7	18	4	10	8	39	47	2.0	7.7	1.6	6.8	9.3	5.9	1.0	2.4	1.9	3.6	3.2	50	59	95.7	0.0
b. Astrocytoma	14	69	67	64	62	214	276	11.1	42.4	9.5	39.8	18.5	22.5	16.8	15.3	14.7	18.3	17.5	269	343	86.6	0.4
c. CNS embryonal	10	37	31	23	10	101	111	5.2	20.0	3.8	16.0	13.2	12.1	7.8	5.5	2.4	8.9	7.4	128	140	99.1	0.0
d. Other gliomas	0	21	22	13	18	56	74	2.9	11.1	2.6	10.7	-	6.9	5.5	3.1	4.3	4.8	4.7	71	92	44.6	0.0
e. Other specified	4	15	22	37	81	78	159	4.0	15.4	5.5	22.9	5.3	4.9	5.5	8.9	19.2	6.3	9.2	97	193	74.2	0.0
f. Unspecified CNS	0	3	5	9	9	17	26	0.9	3.4	0.9	3.8	-	1.0	1.3	2.2	2.1	1.3	1.5	21	32	38.5	0.0
IV NEUROBLASTOMA	44	77	11	4	4	136	140	7.0	100.0	4.8	100.0	58.2	25.2	2.8	1.0	0.9	13.4	10.6	177	182	98.6	0.0
a. (Ganglio)neuroblastoma	44	77	11	4	3	136	139	7.0	100.0	4.8	99.3	58.2	25.2	2.8	1.0	0.7	13.4	10.6	177	181	98.6	0.0
b. Peripheral nervous	0	0	0	0	1	0	1	-	-	0.0	0.7	-	-	-	-	0.2	-	0.1	-	1	100.0	0.0
V RETINOBLASTOMA	24	21	0	0	0	45	45	2.3	100.0	1.6	100.0	31.8	6.9	-	-	-	4.6	3.5	59	59	64.4	2.2
VI RENAL TUMOURS	18	73	17	10	6	118	124	6.1	100.0	4.3	100.0	23.8	23.8	4.3	2.4	1.4	11.3	9.1	153	160	99.2	0.8
a. Nephroblastoma	17	72	16	3	1	108	109	5.6	91.5	3.8	87.9	22.5	23.5	4.0	0.7	0.2	10.5	8.2	140	141	100.0	0.0
b. Renal carcinoma	1	0	1	7	5	9	14	0.5	7.6	0.5	11.3	1.3	-	0.3	1.7	1.2	0.7	0.8	11	17	100.0	0.0
c. Unspecified	0	1	0	0	0	1	1	0.1	0.8	0.0	0.8	-	0.3	-	-	-	0.1	0.1	1	1	0.0	100.0
VII HEPATIC TUMOURS	10	16	0	3	1	29	30	1.5	100.0	1.0	100.0	13.2	5.2	-	0.7	0.2	2.8	2.3	38	39	100.0	0.0
a. Hepatoblastoma	10	15	0	1	0	26	26	1.3	89.7	0.9	86.7	13.2	4.9	-	0.2	-	2.6	2.0	34	34	100.0	0.0
b. Hepatic carcinoma	0	1	0	2	1	3	4	0.2	10.3	0.1	13.3	-	0.3	-	0.5	0.2	0.2	0.2	4	5	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	4	21	52	49	77	126	4.0	100.0	4.3	100.0	-	1.3	5.3	12.5	11.6	5.7	7.1	94	152	99.2	0.0
a. Osteosarcoma	0	0	10	30	29	40	69	2.1	51.9	2.4	54.8	-	-	2.5	7.2	6.9	2.9	3.8	48	83	98.6	0.0
b. Chondrosarcoma	0	1	0	2	1	3	4	0.2	3.9	0.1	3.2	-	0.3	-	0.5	0.2	0.2	0.2	4	5	100.0	0.0
c. Ewing & related	0	2	10	19	18	31	49	1.6	40.3	1.7	38.9	-	0.7	2.5	4.5	4.3	2.3	2.8	38	59	100.0	0.0
d. Other specified	0	1	1	1	0	3	3	0.2	3.9	0.1	2.4	-	0.3	0.3	0.2	-	0.3	0.2	4	4	100.0	0.0
e. Unspecified	0	0	0	0	1	0	1	-	-	0.0	0.8	-	-	-	-	0.2	-	0.1	-	1	100.0	0.0
IX SOFT TISSUE SARCOMA	18	31	36	45	60	130	190	6.7	100.0	6.6	100.0	23.8	10.1	9.0	10.8	14.2	11.0	11.7	163	234	100.0	0.0
a. Rhabdomyosarcoma	10	23	21	16	15	70	85	3.6	53.8	2.9	44.7	13.2	7.5	5.3	3.8	3.6	6.2	5.6	89	107	100.0	0.0
b. Fibrosarcoma	2	2	2	4	7	10	17	0.5	7.7	0.6	8.9	2.6	0.7	0.5	1.0	1.7	0.8	1.0	13	21	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	4	4	7	18	32	33	65	1.7	25.4	2.2	34.2	5.3	1.3	1.8	4.3	7.6	2.6	3.7	41	79	100.0	0.0
e. Unspecified	2	2	6	7	6	17	23	0.9	13.1	0.8	12.1	2.6	0.7	1.5	1.7	1.4	1.4	1.4	21	28	100.0	0.0
X GERM CELL TUMOURS	12	13	1	19	107	45	152	2.3	100.0	5.2	100.0	15.9	4.2	0.3	4.5	25.4	3.9	8.8	57	184	96.7	0.0
a. CNS germ cell ‡	7	0	0	9	10	16	26	0.8	35.6	0.9	17.1	9.3	-	-	2.2	2.4	1.3	1.6	20	32	88.5	0.0
b. Other extragonadal	2	8	0	1	3	11	14	0.6	24.4	0.5	9.2	2.6	2.6	-	0.2	0.7	1.1	1.0	14	18	100.0	0.0
c. Gonadal germ cell	3	5	1	6	86	15	101	0.8	33.3	3.5	66.4	4.0	1.6	0.3	1.4	20.4	1.3	5.6	19	121	100.0	0.0
d. Gonadal carcinoma	0	0	0	1	6	1	7	0.1	2.2	0.2	4.6	-	-	-	0.2	1.4	0.1	0.4	1	8	85.7	0.0
e. Unspecified gonadal	0	0	0	2	2	2	4	0.1	4.4	0.1	2.6	-	-	-	0.5	0.5	0.1	0.2	2	5	75.0	0.0
XI CARCINOMA & MELANOMA	9	4	11	62	197	86	283	4.5	100.0	9.8	100.0	11.9	1.3	2.8	14.8	46.7	6.5	15.6	105	339	99.6	0.0
a. Adrenocortical	0	1	0	0	2	1	3	0.1	1.2	0.1	1.1	-	0.3	-	-	0.5	0.1	0.2	1	4	100.0	0.0
b. Thyroid	0	1	1	27	84	29	113	1.5	33.7	3.9	39.9	-	0.3	0.3	6.5	19.9	2.1	6.1	35	135	100.0	0.0
c. Nasopharyngeal	0	0	0	1	0	1	1	0.1	1.2	0.0	0.4	-	-	-	0.2	-	0.1	0.1	1	1	100.0	0.0
d. Melanoma	9	2	6	20	73	37	110	1.9	43.0	3.8	38.9	11.9	0.7	1.5	4.8	17.3	3.0	6.2	46	133	100.0	0.0
e. Skin carcinoma	0	0	0	0	3	0	3	-	-	0.1	1.1	-	-	-	-	0.7	-	0.2	-	4	100.0	0.0
f. Other & unspecified	0	0	4	14	35	18	53	0.9	20.9	1.8	18.7	-	-	1.0	3.4	8.3	1.3	2.9	22	63	98.1	0.0
XII OTHER & UNSPECIFIED	0	4	2	4	6	10	16	0.5	100.0	0.6	100.0	-	1.3	0.5	1.0	1.4	0.8	1.0	13	20	75.0	6.3
a. Other specified	0	3	2	1	3	6	9	0.3	60.0	0.3	56.3	-	1.0	0.5	0.2	0.7	0.5	0.6	8	11	100.0	0.0
b. Other unspecified	0	1	0	3	3	4	7	0.2	40.0	0.2	43.8	-	0.3	-	0.7	0.7	0.3	0.4	5	8	42.9	14.3
TOTAL	212	728	437	554	966	1931	2897	100.0	100.0	100.0	100.0	280.5	237.8	109.7	132.6	229.2	169.2	182.7	2443	3589	93.4	0.2

† includes 189 non-malignant ‡ includes 4 non-malignant

Please consult the quality indicators for this registry

USA, Tennessee, NH White (1999-2012)

	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	13	161	81	53	94	308	402	54.4	52.0	1.2	1.3	20	127	56	53	42	256	298	47.5	41.4		
a. Lymphoid	6	133	73	36	45	248	293	43.9	38.7	1.3	1.4	8	102	49	37	18	196	214	36.3	30.1		
b. Acute myeloid	2	18	4	12	25	36	61	6.2	7.4	1.2	1.2	5	16	2	8	20	31	51	5.8	6.7		
c. CMD	1	4	1	3	13	9	22	1.6	2.6	0.9	1.8	1	3	2	4	2	10	12	1.7	1.6		
d. MDS & other	4	4	1	1	5	10	15	1.9	2.0	1.4	1.9	4	2	1	0	1	7	8	1.4	1.2		
e. Unspecified	0	2	2	1	6	5	11	0.8	1.3	0.4	0.8	2	4	2	4	1	12	13	2.2	1.8		
II LYMPHOMA & RELATED	6	26	32	54	111	118	229	18.7	26.0	1.7	1.4	3	8	18	39	101	68	169	10.9	19.5		
a. Hodgkin	0	3	8	26	71	37	108	5.4	11.6	1.3	1.0	0	1	4	24	77	29	106	4.3	11.8		
b. Non-Hodgkin except BL	1	10	14	17	29	42	71	6.7	8.2	1.4	1.5	2	5	10	12	18	29	47	4.8	5.7		
c. Burkitt (BL)	0	7	10	7	6	24	30	3.9	3.7	12.0	5.0	0	0	2	0	4	2	6	0.3	0.7		
d. Lymphoreticular	5	5	0	3	3	13	16	2.4	2.2	1.9	2.0	1	2	2	2	1	7	8	1.2	1.1		
e. Unspecified	0	1	0	1	2	2	4	0.3	0.5	2.0	2.0	0	0	0	1	1	1	2	0.1	0.2		
III CNS NEOPLASMS †	18	88	86	82	91	274	365	45.6	44.8	1.2	1.1	17	75	65	74	97	231	328	40.5	42.0		
a. Ependymoma	2	13	1	5	5	21	26	3.8	3.5	1.2	1.2	5	5	3	5	3	18	21	3.3	2.9		
b. Astrocytoma	12	33	39	34	29	118	147	19.7	18.3	1.2	1.1	2	36	28	30	33	96	129	16.9	16.7		
c. CNS embryonal	3	20	24	15	6	62	68	10.4	8.7	1.6	1.6	7	17	7	8	4	39	43	7.3	6.1		
d. Other gliomas	0	12	9	5	8	26	34	4.5	4.3	0.9	0.9	0	9	13	8	10	30	40	5.2	5.1		
e. Other specified	1	9	11	17	37	38	75	6.0	8.5	0.9	0.9	3	6	11	20	44	40	84	6.6	9.9		
f. Unspecified CNS	0	1	2	6	6	9	15	1.3	1.7	1.1	1.4	0	2	3	3	3	8	11	1.3	1.4		
IV NEUROBLASTOMA	22	44	7	2	0	75	75	14.4	11.2	1.2	1.2	22	33	4	2	4	61	65	12.4	10.0		
a. (Ganglio)neuroblastoma	22	44	7	2	0	75	75	14.4	11.2	1.2	1.2	22	33	4	2	3	61	64	12.4	9.9		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.1		
V RETINOBLASTOMA	12	9	0	0	0	21	21	4.2	3.2	0.9	0.9	12	12	0	0	0	24	24	5.0	3.9		
VI RENAL TUMOURS	9	35	8	3	5	55	60	10.4	8.6	0.9	0.9	9	38	9	7	1	63	64	12.3	9.6		
a. Nephroblastoma	8	35	7	0	1	50	51	9.6	7.6	0.9	0.9	9	37	9	3	0	58	58	11.5	8.9		
b. Renal carcinoma	1	0	1	3	4	5	9	0.8	1.0	1.3	1.8	0	0	0	4	1	4	5	0.6	0.6		
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	0.2	0.2		
VII HEPATIC TUMOURS	7	8	0	1	1	16	17	3.1	2.5	1.2	1.3	3	8	0	2	0	13	13	2.6	2.0		
a. Hepatoblastoma	7	7	0	0	0	14	14	2.8	2.1	1.2	1.2	3	8	0	1	0	12	12	2.4	1.9		
b. Hepatic carcinoma	0	1	0	1	1	2	3	0.3	0.4	2.0	3.0	0	0	0	1	0	1	1	0.1	0.1		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	1	7	25	32	33	65	4.7	7.0	0.8	1.1	0	3	14	27	17	44	61	6.8	7.1		
a. Osteosarcoma	0	0	4	13	18	17	35	2.4	3.7	0.7	1.0	0	0	6	17	11	23	34	3.4	3.9		
b. Chondrosarcoma	0	0	0	2	0	2	2	0.3	0.2	2.0	1.0	0	1	0	0	1	1	2	0.2	0.3		
c. Ewing & related	0	0	3	10	13	13	26	1.8	2.8	0.7	1.1	0	2	7	9	5	18	23	2.9	2.8		
d. Other specified	0	1	0	0	0	1	1	0.2	0.2	0.5	0.5	0	0	1	1	0	2	2	0.3	0.2		
e. Unspecified	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-		
IX SOFT TISSUE SARCOMA	11	19	18	23	33	71	104	11.9	12.7	1.2	1.2	7	12	18	22	27	59	86	10.1	10.8		
a. Rhabdomyosarcoma	6	13	9	6	11	34	45	6.0	5.8	0.9	1.1	4	10	12	10	4	36	40	6.3	5.4		
b. Fibrosarcoma	0	2	0	2	4	4	8	0.7	0.9	0.7	0.9	2	0	2	2	3	6	9	1.0	1.1		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	3	3	5	10	13	21	34	3.3	3.9	1.8	1.1	1	1	2	8	19	12	31	1.9	3.5		
e. Unspecified	2	1	4	5	5	12	17	1.9	2.0	2.4	2.8	0	1	2	2	1	5	6	0.8	0.8		
X GERM CELL TUMOURS	8	6	0	7	81	21	102	3.7	11.3	0.9	2.0	4	7	1	12	26	24	50	4.2	6.1		
a. CNS germ cell ‡	4	0	0	6	10	10	20	1.6	2.3	1.7	3.3	3	0	0	3	0	6	6	1.1	0.8		
b. Other extragonadal	1	2	0	0	1	3	4	0.6	0.6	0.4	0.4	1	6	0	1	2	8	10	1.6	1.5		
c. Gonadal germ cell	3	4	0	1	70	8	78	1.5	8.5	1.1	3.4	0	1	1	5	16	7	23	1.1	2.6		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	6	1	7	0.1	0.8		
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	5	1	7	24	57	37	94	5.5	10.2	0.8	0.5	4	3	4	38	140	49	189	7.6	21.2		
a. Adrenocortical	0	0	0	0	1	0	1	-	0.1	0.0	0.5	0	1	0	0	1	1	2	0.2	0.3		
b. Thyroid	0	0	0	7	15	7	22	0.9	2.3	0.3	0.2	0	1	1	20	69	22	91	3.2	10.1		
c. Nasopharyngeal	0	0	0	1	0	1	1	0.1	0.1	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	5	1	5	10	30	21	51	3.3	5.7	1.3	0.9	4	1	1	10	43	16	59	2.6	6.8		
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	2	6	10	8	18	1.1	1.9	0.8	0.5	0	0	2	8	25	10	35	1.5	3.9		
XII OTHER & UNSPECIFIED	0	3	0	2	1	5	6	0.9	0.8	1.0	0.6	0	1	2	2	5	5	10	0.8	1.2		
a. Other specified	0	2	0	0	1	2	3	0.4	0.4	0.5	0.5	0	1	2	1	2	4	6	0.7	0.7		
b. Other unspecified	0	1	0	2	0	3	3	0.5	0.4	3.0	0.8	0	0	0	1	3	1	4	0.1	0.4		
TOTAL	111	401	246	276	506	1034	1540	177.5	190.3	1.2	1.1	101	327	191	278	460	897	1357	160.6	174.8		

† includes 92 non-malignant in males and 97 non-malignant in females ‡ includes 4 non-malignant in males

Please consult the quality indicators for this registry

USA, Tennessee, NH White (1999-2012)

	Age group	Males	Females
Person-years	0	387 035	368 693
	1-4	1 567 396	1 494 111
	5-9	2 045 611	1 936 959
	10-14	2 150 341	2 026 266
	15-19	2 158 693	2 055 308
Total	0-14	6 150 383	5 826 029
	0-19	8 309 076	7 881 337
Average annual population	0-14	439 313	416 145
	0-19	593 505	562 953

Please consult the quality indicators for this registry