

## USA, Tennessee (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
<b>I LEUKAEMIA</b>	46	372	192	157	188	767	955	28.8	100.0	24.5	100.0	41.7	84.7	34.4	27.2	32.3	48.4	44.8	688	850	97.5	0.3
a. Lymphoid	18	300	164	109	88	591	679	22.2	77.1	17.4	71.1	16.3	68.3	29.3	18.9	15.1	37.3	32.4	530	606	99.1	0.1
b. Acute myeloid	9	48	15	28	63	100	163	3.8	13.0	4.2	17.1	8.2	10.9	2.7	4.8	10.8	6.3	7.3	90	144	98.8	1.2
c. CMD	4	9	4	8	22	25	47	0.9	3.3	1.2	4.9	3.6	2.0	0.7	1.4	3.8	1.5	2.1	22	41	68.1	0.0
d. MDS & other	11	7	3	4	7	25	32	0.9	3.3	0.8	3.4	10.0	1.6	0.5	0.7	1.2	1.6	1.5	23	29	100.0	0.0
e. Unspecified	4	8	6	8	8	26	34	1.0	3.4	0.9	3.6	3.6	1.8	1.1	1.4	1.4	1.6	1.5	23	30	97.1	0.0
<b>II LYMPHOMA &amp; RELATED</b>	11	46	72	125	280	254	534	9.5	100.0	13.7	100.0	10.0	10.5	12.9	21.7	48.2	14.5	22.0	225	465	98.5	0.0
a. Hodgkin	0	5	16	69	186	90	276	3.4	35.4	7.1	51.7	-	1.1	2.9	12.0	32.0	4.7	10.9	79	239	99.3	0.0
b. Non-Hodgkin except BL	5	18	33	40	76	96	172	3.6	37.8	4.4	32.2	4.5	4.1	5.9	6.9	13.1	5.5	7.2	85	150	98.3	0.0
c. Burkitt (BL)	0	11	18	8	11	37	48	1.4	14.6	1.2	9.0	-	2.5	3.2	1.4	1.9	2.2	2.1	33	43	100.0	0.0
d. Lymphoreticular	6	11	4	6	4	27	31	1.0	10.6	0.8	5.8	5.4	2.5	0.7	1.0	0.7	1.7	1.5	24	28	96.8	0.0
e. Unspecified	0	1	1	2	3	4	7	0.2	1.6	0.2	1.3	-	0.2	0.2	0.3	0.5	0.2	0.3	4	6	71.4	0.0
<b>III CNS NEOPLASMS †</b>	52	208	218	210	235	688	923	25.8	100.0	23.7	100.0	47.2	47.3	39.0	36.4	40.4	41.5	41.2	613	816	79.5	0.2
a. Ependymoma	10	25	8	12	8	55	63	2.1	8.0	1.6	6.8	9.1	5.7	1.4	2.1	1.4	3.5	3.0	49	56	95.2	0.0
b. Astrocytoma	18	85	88	82	75	273	348	10.2	39.7	8.9	37.7	16.3	19.3	15.7	14.2	12.9	16.5	15.7	243	308	87.4	0.3
c. CNS embryonal	15	45	44	26	15	130	145	4.9	18.9	3.7	15.7	13.6	10.2	7.9	4.5	2.6	8.1	6.8	116	129	98.6	0.0
d. Other gliomas	3	27	32	24	24	86	110	3.2	12.5	2.8	11.9	2.7	6.1	5.7	4.2	4.1	5.2	4.9	77	97	45.5	0.0
e. Other specified	5	19	37	54	101	115	216	4.3	16.7	5.5	23.4	4.5	4.3	6.6	9.4	17.4	6.5	9.0	102	189	72.2	0.0
f. Unspecified CNS	1	7	9	12	12	29	41	1.1	4.2	1.1	4.4	0.9	1.6	1.6	2.1	2.1	1.7	1.8	26	36	51.2	2.4
<b>IV NEUROBLASTOMA</b>	52	97	20	7	4	176	180	6.6	100.0	4.6	100.0	47.2	22.1	3.6	1.2	0.7	12.0	9.5	160	163	98.9	0.0
a. (Ganglio)neuroblastoma	52	97	20	7	3	176	179	6.6	100.0	4.6	99.4	47.2	22.1	3.6	1.2	0.5	12.0	9.4	160	162	98.9	0.0
b. Peripheral nervous	0	0	0	0	1	0	1	-	-	0.0	0.6	-	-	-	-	0.2	-	0.0	-	1	100.0	0.0
<b>V RETINOBLASTOMA</b>	36	37	0	0	0	73	73	2.7	100.0	1.9	100.0	32.7	8.4	-	-	-	5.1	4.0	66	66	69.9	1.4
<b>VI RENAL TUMOURS</b>	27	102	21	13	16	163	179	6.1	100.0	4.6	100.0	24.5	23.2	3.8	2.3	2.8	11.0	9.1	147	161	99.4	0.6
a. Nephroblastoma	26	101	20	5	5	152	157	5.7	93.3	4.0	87.7	23.6	23.0	3.6	0.9	0.9	10.4	8.2	138	142	100.0	0.0
b. Renal carcinoma	1	0	1	8	11	10	21	0.4	6.1	0.5	11.7	0.9	-	0.2	1.4	1.9	0.5	0.8	9	18	100.0	0.0
c. Unspecified	0	1	0	0	0	1	1	0.0	0.6	0.0	0.6	-	0.2	-	-	-	0.1	0.1	1	1	0.0	100.0
<b>VII HEPATIC TUMOURS</b>	13	24	0	3	3	40	43	1.5	100.0	1.1	100.0	11.8	5.5	-	0.5	0.5	2.8	2.3	36	39	97.7	0.0
a. Hepatoblastoma	12	22	0	1	0	35	35	1.3	87.5	0.9	81.4	10.9	5.0	-	0.2	-	2.4	1.9	32	32	100.0	0.0
b. Hepatic carcinoma	0	2	0	2	3	4	7	0.2	10.0	0.2	16.3	-	0.5	-	0.3	0.5	0.2	0.3	4	6	100.0	0.0
c. Unspecified	1	0	0	0	0	1	1	0.0	2.5	0.0	2.3	0.9	-	-	-	-	0.1	0.1	1	1	0.0	0.0
<b>VIII BONE TUMOURS</b>	0	6	31	68	67	105	172	3.9	100.0	4.4	100.0	-	1.4	5.5	11.8	11.5	5.6	7.0	92	150	99.4	0.0
a. Osteosarcoma	0	1	18	42	44	61	105	2.3	58.1	2.7	61.0	-	0.2	3.2	7.3	7.6	3.2	4.2	53	91	99.0	0.0
b. Chondrosarcoma	0	2	0	3	2	5	7	0.2	4.8	0.2	4.1	-	0.5	-	0.5	0.3	0.3	0.3	4	6	100.0	0.0
c. Ewing & related	0	2	12	21	20	35	55	1.3	33.3	1.4	32.0	-	0.5	2.1	3.6	3.4	1.9	2.2	31	48	100.0	0.0
d. Other specified	0	1	1	1	0	3	3	0.1	2.9	0.1	1.7	-	0.2	0.2	0.2	-	0.2	0.1	3	3	100.0	0.0
e. Unspecified	0	0	0	1	1	1	2	0.0	1.0	0.1	1.2	-	-	-	0.2	0.2	0.1	0.1	1	2	100.0	0.0
<b>IX SOFT TISSUE SARCOMA</b>	24	47	50	64	84	185	269	6.9	100.0	6.9	100.0	21.8	10.7	8.9	11.1	14.5	11.1	11.9	165	237	99.6	0.0
a. Rhabdomyosarcoma	11	34	29	25	19	99	118	3.7	53.5	3.0	43.9	10.0	7.7	5.2	4.3	3.3	6.1	5.5	89	105	99.2	0.0
b. Fibrosarcoma	5	3	3	8	10	19	29	0.7	10.3	0.7	10.8	4.5	0.7	0.5	1.4	1.7	1.1	1.3	17	25	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	-	0.0	0.4	-	-	-	-	0.2	-	0.0	-	1	100.0	0.0
d. Other specified	5	8	10	23	42	46	88	1.7	24.9	2.3	32.7	4.5	1.8	1.8	4.0	7.2	2.6	3.7	41	77	100.0	0.0
e. Unspecified	3	2	8	8	12	21	33	0.8	11.4	0.8	12.3	2.7	0.5	1.4	1.4	2.1	1.2	1.4	19	29	100.0	0.0
<b>X GERM CELL TUMOURS</b>	23	14	10	30	124	77	201	2.9	100.0	5.2	100.0	20.9	3.2	1.8	5.2	21.3	4.7	8.4	69	175	95.5	0.0
a. CNS germ cell ‡	9	0	3	13	11	25	36	0.9	32.5	0.9	17.9	8.2	-	0.5	2.3	1.9	1.5	1.6	22	32	83.3	0.0
b. Other extragonadal	9	8	1	2	5	20	25	0.8	26.0	0.6	12.4	8.2	1.8	0.2	0.3	0.9	1.4	1.2	18	22	96.0	0.0
c. Gonadal germ cell	5	6	6	12	99	29	128	1.1	37.7	3.3	63.7	4.5	1.4	1.1	2.1	17.0	1.7	5.2	26	111	100.0	0.0
d. Gonadal carcinoma	0	0	0	1	6	1	7	0.0	1.3	0.2	3.5	-	-	-	0.2	1.0	0.1	0.3	1	6	85.7	0.0
e. Unspecified gonadal	0	0	0	2	3	2	5	0.1	2.6	0.1	2.5	-	-	-	0.3	0.5	0.1	0.2	2	4	80.0	0.0
<b>XI CARCINOMA &amp; MELANOMA</b>	10	5	15	91	227	121	348	4.5	100.0	8.9	100.0	9.1	1.1	2.7	15.8	39.1	6.5	13.8	106	301	99.7	0.0
a. Adrenocortical	1	2	0	0	2	3	5	0.1	2.5	0.1	1.4	0.9	0.5	-	-	0.3	0.2	0.2	3	4	100.0	0.0
b. Thyroid	0	1	2	38	92	41	133	1.5	33.9	3.4	38.2	-	0.2	0.4	6.6	15.8	2.1	5.2	36	115	100.0	0.0
c. Nasopharyngeal	0	0	0	7	6	7	13	0.3	5.8	0.3	3.7	-	-	-	1.2	1.0	0.4	0.5	6	11	100.0	0.0
d. Melanoma	9	2	8	22	78	41	119	1.5	33.9	3.1	34.2	8.2	0.5	1.4	3.8	13.4	2.3	4.8	36	103	100.0	0.0
e. Skin carcinoma	0	0	0	1	3	1	4	0.0	0.8	0.1	1.1	-	-	-	0.2	0.5	0.1	0.2	1	3	100.0	0.0
f. Other & unspecified	0	0	5	23	46	28	74	1.1	23.1	1.9	21.3	-	-	0.9	4.0	7.9	1.4	2.9	24	64	98.6	0.0
<b>XII OTHER &amp; UNSPECIFIED</b>	0	6	4	5	9	15	24	0.6	100.0	0.6	100.0	-	1.4	0.7	0.9	1.5	0.9	1.0	13	21	75.0	8.3
a. Other specified	0	3	3	1	5	7	12	0.3	46.7	0.3	50.0	-	0.7	0.5	0.2	0.9	0.4	0.5	6	11	100.0	0.0
b. Other unspecified	0	3	1	4	4	8	12	0.3	53.3	0.3	50.0	-	0.7	0.2	0.7	0.7	0.5	0.5	7	11	50.0	16.7
<b>TOTAL</b>	294	964	633	773	1237	2664	3901	100.0	100.0	100.0	100.0	266.7	219.4	113.3	133.9	212.8	164.0	175.0	2380	3444	93.2	0.2

† includes 254 non-malignant ‡ includes 5 non-malignant

Please consult the quality indicators for this registry

## USA, Tennessee (1999-2012)

	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		
<b>I LEUKAEMIA</b>	21	204	111	87	127	423	550	52.1	50.0	1.2	1.4	25	168	81	70	61	344	405	44.6	39.4				
a. Lymphoid	8	167	95	60	63	330	393	40.7	36.3	1.3	1.4	10	133	69	49	25	261	286	33.8	28.2				
b. Acute myeloid	3	24	9	16	34	52	86	6.3	7.5	1.1	1.1	6	24	6	12	29	48	77	6.3	7.2				
c. CMD	3	6	2	4	17	15	32	1.9	2.7	1.5	2.1	1	3	2	4	5	10	15	1.2	1.3				
d. MDS & other	6	4	1	3	6	14	20	1.8	1.8	1.3	1.7	5	3	2	1	1	11	12	1.5	1.2				
e. Unspecified	1	3	4	4	7	12	19	1.4	1.6	0.9	1.3	3	5	2	4	1	14	15	1.8	1.5				
<b>II LYMPHOMA &amp; RELATED</b>	7	33	50	74	147	164	311	18.4	25.4	1.8	1.4	4	13	22	51	133	90	223	10.3	18.5				
a. Hodgkin	0	4	12	36	86	52	138	5.4	10.7	1.4	1.0	0	1	4	33	100	38	138	4.0	11.1				
b. Non-Hodgkin except BL	2	11	20	26	49	59	108	6.6	8.8	1.6	1.7	3	7	13	14	27	37	64	4.4	5.6				
c. Burkitt (BL)	0	10	16	8	7	34	41	4.0	3.6	11.3	5.9	0	1	2	0	4	3	7	0.4	0.6				
d. Lymphoreticular	5	7	1	3	3	16	19	2.1	1.8	1.5	1.6	1	4	3	3	1	11	12	1.4	1.2				
e. Unspecified	0	1	1	1	2	3	5	0.3	0.4	3.0	2.5	0	0	0	1	1	1	2	0.1	0.2				
<b>III CNS NEOPLASMS †</b>	23	110	122	102	111	357	468	42.1	41.0	1.1	1.0	29	98	96	108	124	331	455	40.8	41.4				
a. Ependymoma	3	16	4	6	5	29	34	3.7	3.2	1.1	1.2	7	9	4	6	3	26	29	3.4	2.9				
b. Astrocytoma	13	40	52	39	37	144	181	17.0	16.0	1.1	1.1	5	45	36	43	38	129	167	15.9	15.3				
c. CNS embryonal	4	25	30	17	8	76	84	9.1	7.6	1.4	1.4	11	20	14	9	7	54	61	7.0	6.0				
d. Other gliomas	2	15	14	10	10	41	51	4.9	4.6	0.9	0.9	1	12	18	14	14	45	59	5.4	5.3				
e. Other specified	1	12	18	23	44	54	98	6.1	8.0	0.9	0.8	4	7	19	31	57	61	118	7.0	10.0				
f. Unspecified CNS	0	2	4	7	7	13	20	1.4	1.6	0.8	1.0	1	5	5	5	5	16	21	2.0	1.9				
<b>IV NEUROBLASTOMA</b>	26	55	12	5	0	98	98	13.0	10.1	1.3	1.2	26	42	8	2	4	78	82	10.9	8.8				
a. (Ganglio)neuroblastoma	26	55	12	5	0	98	98	13.0	10.1	1.3	1.2	26	42	8	2	3	78	81	10.9	8.7				
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.1				
<b>V RETINOBLASTOMA</b>	19	21	0	0	0	40	40	5.5	4.3	1.2	1.2	17	16	0	0	0	33	33	4.7	3.7				
<b>VI RENAL TUMOURS</b>	13	44	9	5	9	71	80	9.4	7.9	0.8	0.8	14	58	12	8	7	92	99	12.6	10.3				
a. Nephroblastoma	12	44	8	1	4	65	69	8.7	7.1	0.7	0.8	14	57	12	4	1	87	88	12.0	9.4				
b. Renal carcinoma	1	0	1	4	5	6	11	0.6	0.9	1.5	1.1	0	0	0	4	6	4	10	0.4	0.8				
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	0.1	0.1				
<b>VII HEPATIC TUMOURS</b>	8	13	0	1	2	22	24	3.0	2.5	1.2	1.3	5	11	0	2	1	18	19	2.5	2.0				
a. Hepatoblastoma	8	11	0	0	0	19	19	2.6	2.0	1.2	1.2	4	11	0	1	0	16	16	2.3	1.8				
b. Hepatic carcinoma	0	2	0	1	2	3	5	0.4	0.4	3.0	2.5	0	0	0	1	1	1	2	0.1	0.2				
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	1	0	0	0	0	1	1	0.1	0.1				
<b>VIII BONE TUMOURS</b>	0	2	12	31	40	45	85	4.7	6.6	0.8	1.0	0	4	19	37	27	60	87	6.6	7.3				
a. Osteosarcoma	0	1	7	18	24	26	50	2.7	3.9	0.7	0.9	0	0	11	24	20	35	55	3.8	4.5				
b. Chondrosarcoma	0	0	0	2	0	2	2	0.2	0.2	0.7	0.4	0	2	0	1	2	3	5	0.4	0.5				
c. Ewing & related	0	0	5	10	15	15	30	1.5	2.3	0.8	1.2	0	2	7	11	5	20	25	2.3	2.1				
d. Other specified	0	1	0	0	0	1	1	0.1	0.1	0.5	0.5	0	0	1	1	0	2	2	0.2	0.2				
e. Unspecified	0	0	0	1	1	1	2	0.1	0.2	-	-	0	0	0	0	0	0	0	-	-				
<b>IX SOFT TISSUE SARCOMA</b>	13	27	26	30	46	96	142	11.4	12.3	1.1	1.1	11	20	24	34	38	89	127	10.8	11.4				
a. Rhabdomyosarcoma	6	17	14	10	13	47	60	5.7	5.4	0.9	1.0	5	17	15	15	6	52	58	6.5	5.5				
b. Fibrosarcoma	1	3	0	2	4	6	10	0.7	0.9	0.5	0.5	4	0	3	6	6	13	19	1.6	1.7				
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	3	6	7	12	19	28	47	3.2	3.9	1.6	1.1	2	2	3	11	23	18	41	2.1	3.4				
e. Unspecified	3	1	5	6	9	15	24	1.7	2.0	2.5	2.7	0	1	3	2	3	6	9	0.7	0.8				
<b>X GERM CELL TUMOURS</b>	13	7	2	10	91	32	123	4.0	10.0	0.7	1.6	10	7	8	20	33	45	78	5.5	6.8				
a. CNS germ cell ‡	4	0	1	9	11	14	25	1.5	2.0	1.3	2.3	5	0	2	4	0	11	11	1.4	1.1				
b. Other extragonadal	4	2	0	0	2	6	8	0.8	0.8	0.4	0.5	5	6	1	2	3	14	17	1.9	1.7				
c. Gonadal germ cell	5	5	1	1	78	12	90	1.6	7.1	0.7	2.4	0	1	5	11	21	17	38	1.9	3.1				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	6	1	7	0.1	0.6				
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	3	2	5	0.2	0.4				
<b>XI CARCINOMA &amp; MELANOMA</b>	5	2	10	37	70	54	124	5.7	9.7	0.8	0.6	5	3	5	54	157	67	224	7.3	18.1				
a. Adrenocortical	0	1	0	0	1	1	2	0.1	0.2	0.5	0.7	1	1	0	0	1	2	3	0.3	0.3				
b. Thyroid	0	0	1	11	16	12	28	1.2	2.1	0.4	0.3	0	1	1	27	76	29	105	3.1	8.4				
c. Nasopharyngeal	0	0	0	5	4	5	9	0.5	0.7	2.5	2.3	0	0	0	2	2	2	4	0.2	0.3				
d. Melanoma	5	1	6	12	34	24	58	2.7	4.6	1.4	1.0	4	1	2	10	44	17	61	2.0	5.0				
e. Skin carcinoma	0	0	0	1	1	1	2	0.1	0.2	-	1.0	0	0	0	0	2	0	2	-	0.2				
f. Other & unspecified	0	0	3	8	14	11	25	1.1	1.9	0.6	0.5	0	0	2	15	32	17	49	1.8	3.9				
<b>XII OTHER &amp; UNSPECIFIED</b>	0	5	0	3	2	8	10	1.0	0.9	1.1	0.7	0	1	4	2	7	7	14	0.8	1.2				
a. Other specified	0	2	0	0	2	2	4	0.3	0.4	0.4	0.5	0	1	3	1	3	5	8	0.6	0.7				
b. Other unspecified	0	3	0	3	0	6	6	0.7	0.5	3.0	1.0	0	0	1	1	4	2	6	0.2	0.5				
<b>TOTAL</b>	148	523	354	385	645	1410	2055	170.2	180.7	1.1	1.1	146	441	279	388	592	1254	1846	157.5	169.1				

† includes 121 non-malignant in males and 133 non-malignant in females ‡ includes 4 non-malignant in males and 1 non-malignant in females

Please consult the quality indicators for this registry

## USA, Tennessee (1999-2012)

	Age group	Males	Females
Person-years	0	563 340	539 030
	1-4	2 242 369	2 150 759
	5-9	2 859 566	2 729 126
	10-14	2 963 590	2 810 028
	15-19	2 977 034	2 835 555
Total	0-14	8 628 865	8 228 943
	0-19	11 605 899	11 064 498
Average annual population	0-14	616 348	587 782
	0-19	828 993	790 321

Please consult the quality indicators for this registry