

USA, North Carolina (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	67	558	315	278	213	1218	1431	29.4	100.0	23.9	100.0	37.5	79.3	35.8	31.1	23.5	48.0	42.5	688	806	98.3	0.1
a. Lymphoid	34	466	261	172	111	933	1044	22.5	76.6	17.5	73.0	19.0	66.2	29.6	19.2	12.2	37.1	31.5	528	589	99.4	0.0
b. Acute myeloid	20	68	43	70	62	201	263	4.8	16.5	4.4	18.4	11.2	9.7	4.9	7.8	6.8	7.7	7.5	113	148	99.2	0.0
c. CMD	4	6	4	16	30	30	60	0.7	2.5	1.0	4.2	2.2	0.9	0.5	1.8	3.3	1.1	1.6	17	33	78.3	0.0
d. MDS & other	3	11	4	12	6	30	36	0.7	2.5	0.6	2.5	1.7	1.6	0.5	1.3	0.7	1.2	1.0	17	20	100.0	0.0
e. Unspecified	6	7	3	8	4	24	28	0.6	2.0	0.5	2.0	3.4	1.0	0.3	0.9	0.4	0.9	0.8	14	16	89.3	7.1
II LYMPHOMA & RELATED	16	60	127	206	419	409	828	9.9	100.0	13.8	100.0	9.0	8.5	14.4	23.0	46.2	14.7	21.8	230	461	99.0	0.2
a. Hodgkin	0	6	25	95	251	126	377	3.0	30.8	6.3	45.5	-	0.9	2.8	10.6	27.7	4.3	9.5	71	209	99.7	0.0
b. Non-Hodgkin except BL	4	29	59	77	138	169	307	4.1	41.3	5.1	37.1	2.2	4.1	6.7	8.6	15.2	6.1	8.2	95	171	99.7	0.0
c. Burkitt (BL)	0	10	33	27	15	70	85	1.7	17.1	1.4	10.3	-	1.4	3.7	3.0	1.7	2.5	2.3	39	48	100.0	0.0
d. Lymphoreticular	11	15	10	4	5	40	45	1.0	9.8	0.8	5.4	6.2	2.1	1.1	0.4	0.6	1.6	1.4	23	25	95.6	0.0
e. Unspecified	1	0	0	3	10	4	14	0.1	1.0	0.2	1.7	0.6	-	-	0.3	1.1	0.1	0.4	2	8	71.4	14.3
III CNS NEOPLASMS †	72	346	320	304	301	1042	1343	25.1	100.0	22.5	100.0	40.3	49.2	36.3	34.0	33.2	39.9	38.4	588	754	82.0	0.6
a. Ependymoma	8	44	19	17	18	88	106	2.1	8.4	1.8	7.9	4.5	6.3	2.2	1.9	2.0	3.5	3.2	50	60	95.3	0.0
b. Astrocytoma	25	146	159	146	107	476	583	11.5	45.7	9.7	43.4	14.0	20.7	18.1	16.3	11.8	18.1	16.7	269	328	89.2	0.2
c. CNS embryonal	22	71	48	36	22	177	199	4.3	17.0	3.3	14.8	12.3	10.1	5.4	4.0	2.4	7.0	6.0	100	112	99.0	0.5
d. Other gliomas	4	48	51	40	35	143	178	3.4	13.7	3.0	13.3	2.2	6.8	5.8	4.5	3.9	5.4	5.1	81	100	41.0	0.6
e. Other specified	8	30	38	57	106	133	239	3.2	12.8	4.0	17.8	4.5	4.3	4.3	6.4	11.7	4.9	6.4	75	133	80.3	0.4
f. Unspecified CNS	5	7	5	8	13	25	38	0.6	2.4	0.6	2.8	2.8	1.0	0.6	0.9	1.4	1.0	1.1	14	21	47.4	10.5
IV NEUROBLASTOMA	96	155	27	10	3	288	291	6.9	100.0	4.9	100.0	53.7	22.0	3.1	1.1	0.3	12.3	9.6	163	165	99.0	0.0
a. (Ganglio)neuroblastoma	95	152	27	6	2	280	282	6.8	97.2	4.7	96.9	53.2	21.6	3.1	0.7	0.2	12.0	9.4	159	160	98.9	0.0
b. Peripheral nervous	1	3	0	4	1	8	9	0.2	2.8	0.2	3.1	0.6	0.4	-	0.4	0.1	0.3	0.3	5	5	100.0	0.0
V RETINOBLASTOMA	55	46	1	0	0	102	102	2.5	100.0	1.7	100.0	30.8	6.5	0.1	-	-	4.5	3.5	58	58	70.6	0.0
VI RENAL TUMOURS	21	161	53	8	18	243	261	5.9	100.0	4.4	100.0	11.8	22.9	6.0	0.9	2.0	10.2	8.3	138	148	99.6	0.0
a. Nephroblastoma	21	157	51	3	5	232	237	5.6	95.5	4.0	90.8	11.8	22.3	5.8	0.3	0.6	9.8	7.7	131	134	100.0	0.0
b. Renal carcinoma	0	3	2	5	13	10	23	0.2	4.1	0.4	8.8	-	0.4	0.2	0.6	1.4	0.4	0.6	6	13	95.7	0.0
c. Unspecified	0	1	0	0	0	1	1	0.0	0.4	0.0	0.4	-	0.1	-	-	-	0.0	0.0	1	1	100.0	0.0
VII HEPATIC TUMOURS	21	33	8	5	14	67	81	1.6	100.0	1.4	100.0	11.8	4.7	0.9	0.6	1.5	2.8	2.5	38	46	93.8	0.0
a. Hepatoblastoma	20	31	5	4	2	60	62	1.4	89.6	1.0	76.5	11.2	4.4	0.6	0.4	0.2	2.6	2.0	34	35	95.2	0.0
b. Hepatic carcinoma	0	2	3	1	12	6	18	0.1	9.0	0.3	22.2	-	0.3	0.3	0.1	1.3	0.2	0.5	3	10	88.9	0.0
c. Unspecified	1	0	0	0	0	1	1	0.0	1.5	0.0	1.2	0.6	-	-	-	-	0.0	0.0	1	1	100.0	0.0
VIII BONE TUMOURS	1	6	46	122	124	175	299	4.2	100.0	5.0	100.0	0.6	0.9	5.2	13.6	13.7	6.0	7.7	98	167	98.3	0.0
a. Osteosarcoma	0	0	24	71	75	95	170	2.3	54.3	2.8	56.9	-	-	2.7	7.9	8.3	3.2	4.3	53	95	98.2	0.0
b. Chondrosarcoma	0	0	1	3	4	4	8	0.1	2.3	0.1	2.7	-	-	0.1	0.3	0.4	0.1	0.2	2	4	87.5	0.0
c. Ewing & related	1	5	19	38	33	63	96	1.5	36.0	1.6	32.1	0.6	0.7	2.2	4.2	3.6	2.2	2.5	35	54	100.0	0.0
d. Other specified	0	1	2	7	9	10	19	0.2	5.7	0.3	6.4	-	0.1	0.2	0.8	1.0	0.3	0.5	6	11	94.7	0.0
e. Unspecified	0	0	0	3	3	3	6	0.1	1.7	0.1	2.0	-	-	-	0.3	0.3	0.1	0.1	2	3	100.0	0.0
IX SOFT TISSUE SARCOMA	21	73	59	89	141	242	383	5.8	100.0	6.4	100.0	11.8	10.4	6.7	9.9	15.6	9.2	10.6	136	214	99.2	0.3
a. Rhabdomyosarcoma	10	52	33	29	33	124	157	3.0	51.2	2.6	41.0	5.6	7.4	3.7	3.2	3.6	4.9	4.6	70	88	99.4	0.0
b. Fibrosarcoma	7	3	2	8	12	20	32	0.5	8.3	0.5	8.4	3.9	0.4	0.2	0.9	1.3	0.8	0.9	11	18	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	4	12	17	43	79	76	155	1.8	31.4	2.6	40.5	2.2	1.7	1.9	4.8	8.7	2.7	4.1	43	86	98.7	0.6
e. Unspecified	0	6	7	9	17	22	39	0.5	9.1	0.7	10.2	-	0.9	0.8	1.0	1.9	0.8	1.1	12	22	100.0	0.0
X GERM CELL TUMOURS	45	26	27	55	195	153	348	3.7	100.0	5.8	100.0	25.2	3.7	3.1	6.1	21.5	5.9	9.4	86	194	97.4	0.3
a. CNS germ cell ‡	4	6	13	14	22	37	59	0.9	24.2	1.0	17.0	2.2	0.9	1.5	1.6	2.4	1.4	1.6	21	33	88.1	1.7
b. Other extragonadal	24	9	0	2	13	35	48	0.8	22.9	0.8	13.8	13.4	1.3	-	0.2	1.4	1.5	1.5	20	27	97.9	0.0
c. Gonadal germ cell	17	11	14	36	140	78	218	1.9	51.0	3.6	62.6	9.5	1.6	1.6	4.0	15.4	2.9	5.7	44	121	100.0	0.0
d. Gonadal carcinoma	0	0	0	2	10	2	12	0.0	1.3	0.2	3.4	-	-	-	0.2	1.1	0.1	0.3	1	7	100.0	0.0
e. Unspecified gonadal	0	0	0	1	10	1	11	0.0	0.7	0.2	3.2	-	-	-	0.1	1.1	0.0	0.3	1	6	90.9	0.0
XI CARCINOMA & MELANOMA	14	10	34	126	394	184	578	4.4	100.0	9.7	100.0	7.8	1.4	3.9	14.1	43.5	6.4	14.7	103	321	99.3	0.0
a. Adrenocortical	2	3	1	3	3	9	12	0.2	4.9	0.2	2.1	1.1	0.4	0.1	0.3	0.3	0.4	0.3	5	7	100.0	0.0
b. Thyroid	0	1	11	49	149	61	210	1.5	33.2	3.5	36.3	-	0.1	1.2	5.5	16.4	2.0	5.3	34	116	100.0	0.0
c. Nasopharyngeal	0	0	1	10	14	11	25	0.3	6.0	0.4	4.3	-	-	0.1	1.1	1.5	0.4	0.6	6	14	100.0	0.0
d. Melanoma	9	5	10	28	132	52	184	1.3	28.3	3.1	31.8	5.0	0.7	1.1	3.1	14.6	1.9	4.7	29	102	98.4	0.0
e. Skin carcinoma	0	0	2	0	3	2	5	0.0	1.1	0.1	0.9	-	-	0.2	-	0.3	0.1	0.1	1	3	100.0	0.0
f. Other & unspecified	3	1	9	36	93	49	142	1.2	26.6	2.4	24.6	1.7	0.1	1.0	4.0	10.3	1.7	3.6	27	79	99.3	0.0
XII OTHER & UNSPECIFIED	6	7	3	7	14	23	37	0.6	100.0	0.6	100.0	3.4	1.0	0.3	0.8	1.5	0.9	1.1	13	21	81.1	10.8
a. Other specified	1	6	1	6	7	14	21	0.3	60.9	0.4	56.8	0.6	0.9	0.1	0.7	0.8	0.5	0.6	8	12	100.0	0.0
b. Other unspecified	5	1	2	1	7	9	16	0.2	39.1	0.3	43.2	2.8	0.1	0.2	0.1	0.8	0.4	0.5	5	9	56.3	25.0
TOTAL	435	1481	1020	1210	1836	4146	5982	100.0	100.0	100.0	100.0	243.5	210.5	115.8	135.2	202.6	160.7	170.1	2341	3354	94.3	0.3

† includes 276 non-malignant ‡ includes 5 non-malignant

Please consult the quality indicators for this registry

USA, North Carolina (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	28	313	167	157	142	665	807	51.2	46.5	1.2	1.3	39	245	148	121	71	553	624	44.6	38.2				
a. Lymphoid	14	265	147	101	94	527	621	40.9	36.2	1.3	1.5	20	201	114	71	17	406	423	33.1	26.5				
b. Acute myeloid	7	36	14	35	33	92	125	6.9	7.0	0.8	0.9	13	32	29	35	29	109	138	8.5	8.1				
c. CMD	1	4	2	11	13	18	31	1.3	1.6	1.5	1.1	3	2	2	5	17	12	29	0.9	1.6				
d. MDS & other	1	5	3	5	2	14	16	1.0	0.9	0.9	0.8	2	6	1	7	4	16	20	1.3	1.2				
e. Unspecified	5	3	1	5	0	14	14	1.1	0.8	1.4	1.0	1	4	2	3	4	10	14	0.8	0.8				
II LYMPHOMA & RELATED	10	39	80	121	228	250	478	17.6	24.6	1.6	1.4	6	21	47	85	191	159	350	11.6	18.8				
a. Hodgkin	0	6	16	40	119	62	181	4.2	9.0	1.0	0.9	0	0	9	55	132	64	196	4.3	10.1				
b. Non-Hodgkin except BL	3	18	32	54	89	107	196	7.5	10.1	1.7	1.8	1	11	27	23	49	62	111	4.6	6.1				
c. Burkitt (BL)	0	6	25	25	11	56	67	3.9	3.5	4.0	3.7	0	4	8	2	4	14	18	1.1	1.1				
d. Lymphoreticular	7	9	7	1	4	24	28	1.9	1.7	1.5	1.6	4	6	3	3	1	16	17	1.3	1.1				
e. Unspecified	0	0	0	1	5	1	6	0.1	0.3	0.3	0.8	1	0	0	2	5	3	8	0.2	0.4				
III CNS NEOPLASMS †	31	190	176	154	146	551	697	41.3	39.1	1.1	1.1	41	156	144	150	155	491	646	38.4	37.7				
a. Ependymoma	5	31	9	9	9	54	63	4.3	3.8	1.6	1.5	3	13	10	8	9	34	43	2.7	2.6				
b. Astrocytoma	13	77	89	75	59	254	313	18.9	17.5	1.1	1.2	12	69	70	71	48	222	270	17.2	15.8				
c. CNS embryonal	7	39	33	19	13	98	111	7.5	6.5	1.2	1.3	15	32	15	17	9	79	88	6.5	5.5				
d. Other gliomas	1	23	27	19	20	70	90	5.2	5.0	1.0	1.0	3	25	24	21	15	73	88	5.7	5.2				
e. Other specified	2	17	17	28	37	64	101	4.6	5.4	0.9	0.7	6	13	21	29	69	69	138	5.2	7.6				
f. Unspecified CNS	3	3	1	4	8	11	19	0.8	1.0	0.8	1.0	2	4	4	4	5	14	19	1.1	1.1				
IV NEUROBLASTOMA	58	84	13	3	1	158	159	13.3	10.4	1.2	1.2	38	71	14	7	2	130	132	11.3	8.9				
a. (Ganglio)neuroblastoma	57	83	13	3	0	156	156	13.1	10.2	1.3	1.2	38	69	14	3	2	124	126	10.9	8.5				
b. Peripheral nervous	1	1	0	0	1	2	3	0.2	0.2	0.3	0.5	0	2	0	4	0	6	6	0.4	0.3				
V RETINOBLASTOMA	30	21	0	0	0	51	51	4.4	3.4	1.0	1.0	25	25	1	0	0	51	51	4.6	3.5				
VI RENAL TUMOURS	11	74	30	4	8	119	127	9.7	7.9	1.0	0.9	10	87	23	4	10	124	134	10.7	8.8				
a. Nephroblastoma	11	70	28	1	4	110	114	9.0	7.2	0.9	0.9	10	87	23	2	1	122	123	10.6	8.2				
b. Renal carcinoma	0	3	2	3	4	8	12	0.6	0.7	4.0	1.1	0	0	0	2	9	2	11	0.1	0.6				
c. Unspecified	0	1	0	0	0	1	1	0.1	0.1	-	-	0	0	0	0	0	0	0	-	-				
VII HEPATIC TUMOURS	15	19	4	2	8	40	48	3.3	3.0	1.5	1.5	6	14	4	3	6	27	33	2.3	2.1				
a. Hepatoblastoma	14	18	3	1	0	36	36	3.0	2.3	1.5	1.4	6	13	2	3	2	24	26	2.1	1.7				
b. Hepatic carcinoma	0	1	1	1	8	3	11	0.2	0.6	1.0	1.6	0	1	2	0	4	3	7	0.2	0.4				
c. Unspecified	1	0	0	0	0	1	1	0.1	0.1	-	-	0	0	0	0	0	0	0	-	-				
VIII BONE TUMOURS	1	4	26	69	79	100	179	6.7	9.0	1.3	1.5	0	2	20	53	45	75	120	5.2	6.3				
a. Osteosarcoma	0	0	13	41	52	54	106	3.5	5.2	1.3	1.7	0	0	11	30	23	41	64	2.8	3.4				
b. Chondrosarcoma	0	0	0	1	3	1	4	0.1	0.2	0.3	1.0	0	0	1	2	1	3	4	0.2	0.2				
c. Ewing & related	1	3	12	24	18	40	58	2.7	3.0	1.7	1.5	0	2	7	14	15	23	38	1.6	2.0				
d. Other specified	0	1	1	2	4	4	8	0.3	0.4	0.7	0.7	0	0	1	5	5	6	11	0.4	0.6				
e. Unspecified	0	0	0	1	2	1	3	0.1	0.1	0.5	1.0	0	0	0	2	1	2	3	0.1	0.2				
IX SOFT TISSUE SARCOMA	16	50	35	44	70	145	215	11.0	11.9	1.5	1.3	5	23	24	45	71	97	168	7.3	9.3				
a. Rhabdomyosarcoma	6	41	19	17	20	83	103	6.5	6.0	2.0	1.9	4	11	14	12	13	41	54	3.2	3.1				
b. Fibrosarcoma	7	2	0	5	10	14	24	1.1	1.3	2.3	3.0	0	1	2	3	2	6	8	0.4	0.4				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	3	5	10	19	26	37	63	2.6	3.3	0.9	0.7	1	7	7	24	53	39	92	2.8	4.9				
e. Unspecified	0	2	6	3	14	11	25	0.8	1.3	1.0	1.8	0	4	1	6	3	11	14	0.8	0.8				
X GERM CELL TUMOURS	30	16	7	17	127	70	197	5.5	10.4	0.8	1.3	15	10	20	38	68	83	151	6.3	8.3				
a. CNS germ cell ‡	3	4	7	11	17	25	42	1.8	2.2	2.1	2.5	1	2	6	3	5	12	17	0.9	1.0				
b. Other extragonadal	12	3	0	1	7	16	23	1.4	1.4	0.8	0.9	12	6	0	1	6	19	25	1.7	1.6				
c. Gonadal germ cell	15	9	0	5	100	29	129	2.4	6.7	0.6	1.4	2	2	14	31	40	49	89	3.5	4.7				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	10	2	12	0.1	0.6				
e. Unspecified gonadal	0	0	0	0	3	0	3	-	0.1	0.0	0.4	0	0	0	1	7	1	8	0.1	0.4				
XI CARCINOMA & MELANOMA	6	5	16	44	127	71	198	4.9	9.9	0.6	0.5	8	5	18	82	267	113	380	8.0	19.8				
a. Adrenocortical	0	0	1	1	1	2	3	0.1	0.2	0.3	0.3	2	3	0	2	2	7	9	0.6	0.6				
b. Thyroid	0	0	2	10	24	12	36	0.8	1.8	0.2	0.2	0	1	9	39	125	49	174	3.4	9.0				
c. Nasopharyngeal	0	0	1	4	9	5	14	0.3	0.7	0.8	1.3	0	0	0	6	5	6	11	0.4	0.6				
d. Melanoma	4	4	5	14	49	27	76	1.9	3.9	1.1	0.7	5	1	5	14	83	25	108	1.8	5.7				
e. Skin carcinoma	0	0	1	0	1	1	2	0.1	0.1	1.0	0.7	0	0	1	0	2	1	3	0.1	0.2				
f. Other & unspecified	2	1	6	15	43	24	67	1.6	3.3	1.0	0.9	1	0	3	21	50	25	75	1.7	3.9				
XII OTHER & UNSPECIFIED	5	4	1	2	1	12	13	1.0	0.8	1.1	0.5	1	3	2	5	13	11	24	0.8	1.3				
a. Other specified	1	3	0	2	1	6	7	0.5	0.4	0.8	0.5	0	3	1	4	6	8	14	0.6	0.8				
b. Other unspecified	4	1	1	0	0	6	6	0.5	0.4	2.0	0.6	1	0	1	1	7	3	10	0.2	0.5				
TOTAL	241	819	555	617	937	2232	3169	169.9	176.8	1.2	1.1	194	662	465	593	899	1914	2813	151.1	163.1				

† includes 125 non-malignant in males and 151 non-malignant in females ‡ includes 3 non-malignant in males and 2 non-malignant in females

Please consult the quality indicators for this registry

USA, North Carolina (1998-2012)

	Age group	Males	Females
Person-years	0	913 733	872 384
	1-4	3 595 816	3 440 981
	5-9	4 507 979	4 300 767
	10-14	4 574 236	4 373 286
	15-19	4 665 141	4 398 579
Total	0-14	13 591 764	12 987 418
	0-19	18 256 905	17 385 997
Average annual population	0-14	906 118	865 828
	0-19	1 217 127	1 159 066

Please consult the quality indicators for this registry