

USA, Virginia, 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	45	312	184	125	115	666	781	30.5	100.0	24.5	100.0	50.0	87.2	39.8	25.8	23.1	51.2	44.9	727	842	95.9	0.8
a. Lymphoid	14	269	155	79	60	517	577	23.7	77.6	18.1	73.9	15.6	75.2	33.6	16.3	12.1	40.0	33.7	565	626	97.1	0.3
b. Acute myeloid	20	33	19	34	42	106	148	4.9	15.9	4.6	19.0	22.2	9.2	4.1	7.0	8.4	7.9	8.1	115	157	93.9	1.4
c. CMD	1	1	3	5	8	10	18	0.5	1.5	0.6	2.3	1.1	0.3	0.6	1.0	1.6	0.7	0.9	11	19	83.3	0.0
d. MDS & other	6	4	2	1	1	13	14	0.6	2.0	0.4	1.8	6.7	1.1	0.4	0.2	0.2	1.1	0.9	14	15	100.0	0.0
e. Unspecified	4	5	5	6	4	20	24	0.9	3.0	0.8	3.1	4.4	1.4	1.1	1.2	0.8	1.5	1.3	22	26	87.5	8.3
II LYMPHOMA & RELATED	8	41	64	115	242	228	470	10.4	100.0	14.7	100.0	8.9	11.5	13.9	23.7	48.6	15.6	23.0	243	486	98.7	0.2
a. Hodgkin	0	2	14	66	173	82	255	3.8	36.0	8.0	54.3	-	0.6	3.0	13.6	34.7	5.1	11.8	85	259	100.0	0.0
b. Non-Hodgkin except BL	1	19	30	35	59	85	144	3.9	37.3	4.5	30.6	1.1	5.3	6.5	7.2	11.8	5.9	7.3	91	150	97.2	0.7
c. Burkitt (BL)	0	9	13	11	5	33	38	1.5	14.5	1.2	8.1	-	2.5	2.8	2.3	1.0	2.3	2.0	35	40	100.0	0.0
d. Lymphoreticular	7	11	4	3	1	25	26	1.1	11.0	0.8	5.5	7.8	3.1	0.9	0.6	0.2	2.0	1.6	28	29	100.0	0.0
e. Unspecified	0	0	3	0	4	3	7	0.1	1.3	0.2	1.5	-	-	0.6	-	0.8	0.2	0.3	3	7	71.4	0.0
III CNS NEOPLASMS †	39	166	164	155	154	524	678	24.0	100.0	21.3	100.0	43.4	46.4	35.5	32.0	30.9	38.5	36.8	566	721	85.1	0.7
a. Ependymoma	7	19	21	6	15	53	68	2.4	10.1	2.1	10.0	7.8	5.3	4.5	1.2	3.0	4.1	3.8	58	73	97.1	0.0
b. Astrocytoma	11	72	65	67	59	215	274	9.8	41.0	8.6	40.4	12.2	20.1	14.1	13.8	11.8	15.7	14.9	232	291	93.4	0.0
c. CNS embryonal	11	45	38	25	14	119	133	5.5	22.7	4.2	19.6	12.2	12.6	8.2	5.2	2.8	9.0	7.6	129	144	99.2	0.8
d. Other gliomas	2	17	23	17	18	59	77	2.7	11.3	2.4	11.4	2.2	4.8	5.0	3.5	3.6	4.3	4.1	64	82	42.9	0.0
e. Other specified	2	8	14	34	42	58	100	2.7	11.1	3.1	14.7	2.2	2.2	3.0	7.0	8.4	3.9	4.9	61	104	78.0	0.0
f. Unspecified CNS	6	5	3	6	6	20	26	0.9	3.8	0.8	3.8	6.7	1.4	0.6	1.2	1.2	1.5	1.4	22	28	46.2	15.4
IV NEUROBLASTOMA	63	101	21	6	2	191	193	8.7	100.0	6.1	100.0	70.0	28.2	4.5	1.2	0.4	16.0	12.5	212	214	99.5	0.0
a. (Ganglio)neuroblastoma	63	101	21	6	1	191	192	8.7	100.0	6.0	99.5	70.0	28.2	4.5	1.2	0.2	16.0	12.5	212	213	99.5	0.0
b. Peripheral nervous	0	0	0	0	1	0	1	-	-	0.0	0.5	-	-	-	-	0.2	-	0.0	-	1	100.0	0.0
V RETINOBLASTOMA	15	14	1	0	0	30	30	1.4	100.0	0.9	100.0	16.7	3.9	0.2	-	-	2.6	2.0	33	33	83.3	0.0
VI RENAL TUMOURS	17	75	22	2	2	116	118	5.3	100.0	3.7	100.0	18.9	21.0	4.8	0.4	0.4	9.6	7.5	129	131	99.2	0.0
a. Nephroblastoma	17	73	22	2	1	114	115	5.2	98.3	3.6	97.5	18.9	20.4	4.8	0.4	0.2	9.4	7.4	126	127	99.1	0.0
b. Renal carcinoma	0	2	0	0	1	2	3	0.1	1.7	0.1	2.5	-	0.6	-	-	0.2	0.2	0.2	2	3	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	13	15	3	4	5	35	40	1.6	100.0	1.3	100.0	14.5	4.2	0.6	0.8	1.0	2.9	2.5	39	44	97.5	0.0
a. Hepatoblastoma	12	15	2	1	0	30	30	1.4	85.7	0.9	75.0	13.3	4.2	0.4	0.2	-	2.5	2.0	33	33	96.7	0.0
b. Hepatic carcinoma	1	0	1	3	5	5	10	0.2	14.3	0.3	25.0	1.1	-	0.2	0.6	1.0	0.3	0.5	5	10	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	3	26	64	69	93	162	4.3	100.0	5.1	100.0	-	0.8	5.6	13.2	13.9	5.9	7.7	97	167	98.8	1.2
a. Osteosarcoma	0	1	12	31	42	44	86	2.0	47.3	2.7	53.1	-	0.3	2.6	6.4	8.4	2.8	4.1	46	88	98.8	1.2
b. Chondrosarcoma	0	0	0	1	1	1	2	0.0	1.1	0.1	1.2	-	-	-	0.2	0.2	0.1	0.1	1	2	100.0	0.0
c. Ewing & related	0	1	14	28	25	43	68	2.0	46.2	2.1	42.0	-	0.3	3.0	5.8	5.0	2.7	3.3	45	70	98.5	1.5
d. Other specified	0	1	0	4	1	5	6	0.2	5.4	0.2	3.7	-	0.3	-	0.8	0.2	0.3	0.3	5	6	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX SOFT TISSUE SARCOMA	17	36	37	47	69	137	206	6.3	100.0	6.5	100.0	18.9	10.1	8.0	9.7	13.9	10.0	10.9	148	217	98.5	0.5
a. Rhabdomyosarcoma	9	25	21	13	21	68	89	3.1	49.6	2.8	43.2	10.0	7.0	4.5	2.7	4.2	5.2	5.0	74	95	97.8	1.1
b. Fibrosarcoma	2	0	1	3	6	6	12	0.3	4.4	0.4	5.8	2.2	-	0.2	0.6	1.2	0.4	0.6	6	12	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	-	0.0	0.5	-	-	-	-	0.2	-	0.0	-	1	100.0	0.0
d. Other specified	4	10	13	25	33	52	85	2.4	38.0	2.7	41.3	4.4	2.8	2.8	5.2	6.6	3.6	4.3	55	89	98.8	0.0
e. Unspecified	2	1	2	6	8	11	19	0.5	8.0	0.6	9.2	2.2	0.3	0.4	1.2	1.6	0.8	0.9	12	20	100.0	0.0
X GERM CELL TUMOURS	14	9	8	29	112	60	172	2.7	100.0	5.4	100.0	15.6	2.5	1.7	6.0	22.5	4.3	8.4	64	177	97.1	0.0
a. CNS germ cell	1	0	5	13	9	19	28	0.9	31.7	0.9	16.3	1.1	-	1.1	2.7	1.8	1.2	1.3	20	29	89.3	0.0
b. Other extragonadal	9	6	0	4	4	19	23	0.9	31.7	0.7	13.4	10.0	1.7	-	0.8	0.8	1.5	1.4	21	25	95.7	0.0
c. Gonadal germ cell	4	3	3	9	93	19	112	0.9	31.7	3.5	65.1	4.4	0.8	0.6	1.9	18.7	1.4	5.3	20	114	100.0	0.0
d. Gonadal carcinoma	0	0	0	2	5	2	7	0.1	3.3	0.2	4.1	-	-	-	0.4	1.0	0.1	0.3	2	7	100.0	0.0
e. Unspecified gonadal	0	0	0	1	1	1	2	0.0	1.7	0.1	1.2	-	-	-	0.2	0.2	0.1	0.1	1	2	50.0	0.0
XI CARCINOMA & MELANOMA	4	5	16	70	230	95	325	4.4	100.0	10.2	100.0	4.4	1.4	3.5	14.4	46.2	6.1	15.1	100	331	99.7	0.0
a. Adrenocortical	0	1	0	2	1	3	4	0.1	3.2	0.1	1.2	-	0.3	-	0.4	0.2	0.2	0.2	3	4	100.0	0.0
b. Thyroid	0	0	4	29	110	33	143	1.5	34.7	4.5	44.0	-	-	0.9	6.0	22.1	2.0	6.5	34	145	100.0	0.0
c. Nasopharyngeal	0	0	0	1	3	1	4	0.0	1.1	0.1	1.2	-	-	-	0.2	0.6	0.1	0.2	1	4	100.0	0.0
d. Melanoma	2	4	6	25	83	37	120	1.7	38.9	3.8	36.9	2.2	1.1	1.3	5.2	16.7	2.4	5.6	39	122	100.0	0.0
e. Skin carcinoma	0	0	0	1	2	1	3	0.0	1.1	0.1	0.9	-	-	-	0.2	0.4	0.1	0.1	1	3	100.0	0.0
f. Other & unspecified	2	0	6	12	31	20	51	0.9	21.1	1.6	15.7	2.2	-	1.3	2.5	6.2	1.3	2.4	21	52	98.0	0.0
XII OTHER & UNSPECIFIED	1	0	6	1	6	8	14	0.4	100.0	0.4	100.0	1.1	-	1.3	0.2	1.2	0.6	0.7	9	15	64.3	21.4
a. Other specified	1	0	1	0	2	2	4	0.1	25.0	0.1	28.6	1.1	-	0.2	-	0.4	0.2	0.2	2	4	75.0	25.0
b. Other unspecified	0	0	5	1	4	6	10	0.3	75.0	0.3	71.4	-	-	1.1	0.2	0.8	0.4	0.5	6	10	60.0	20.0
TOTAL	236	777	552	618	1006	2183	3189	100.0	100.0	100.0	100.0	262.4	217.2	119.5	127.5	202.0	163.2	171.9	2366	3377	94.9	0.6

† includes 128 non-malignant

Please consult the quality indicators for this registry

USA, Virginia, 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	23	157	112	66	77	358	435	53.4	48.1	1.2	1.3	22	155	72	59	38	308	346	49.0	41.5				
a. Lymphoid	6	136	91	46	40	279	319	41.8	35.9	1.2	1.2	8	133	64	33	20	238	258	38.2	31.5				
b. Acute myeloid	11	17	14	13	27	55	82	8.2	8.7	1.1	1.2	9	16	5	21	15	51	66	7.7	7.4				
c. CMD	1	0	2	2	6	5	11	0.7	1.1	1.0	1.6	0	1	1	3	2	5	7	0.7	0.7				
d. MDS & other	5	4	1	1	1	11	12	1.8	1.5	5.5	6.0	1	0	1	0	0	2	2	0.3	0.2				
e. Unspecified	0	0	4	4	3	8	11	1.0	1.0	0.7	0.8	4	5	1	2	1	12	13	2.0	1.6				
II LYMPHOMA & RELATED	4	28	47	68	129	147	276	19.7	26.7	1.8	1.4	4	13	17	47	113	81	194	11.2	19.2				
a. Hodgkin	0	1	12	35	83	48	131	5.9	11.9	1.4	1.1	0	1	2	31	90	34	124	4.3	11.7				
b. Non-Hodgkin except BL	0	14	20	22	37	56	93	7.7	9.2	1.9	1.8	1	5	10	13	22	29	51	4.1	5.2				
c. Burkitt (BL)	0	6	12	9	4	27	31	3.7	3.2	4.5	4.4	0	3	1	2	1	6	7	0.9	0.8				
d. Lymphoreticular	4	7	2	2	1	15	16	2.4	1.9	1.5	1.6	3	4	2	1	0	10	10	1.7	1.3				
e. Unspecified	0	0	1	0	4	1	5	0.1	0.5	0.5	2.5	0	0	2	0	0	2	2	0.3	0.2				
III CNS NEOPLASMS †	26	89	97	79	71	291	362	41.9	38.7	1.2	1.1	13	77	67	76	83	233	316	34.9	34.7				
a. Ependymoma	5	8	12	5	7	30	37	4.4	4.0	1.3	1.2	2	11	9	1	8	23	31	3.7	3.6				
b. Astrocytoma	8	38	42	34	29	122	151	17.5	16.1	1.3	1.2	3	34	23	33	30	93	123	13.9	13.6				
c. CNS embryonal	7	27	23	17	8	74	82	10.9	9.1	1.6	1.6	4	18	15	8	6	45	51	7.0	6.0				
d. Other gliomas	2	9	11	6	8	28	36	4.1	3.8	0.9	0.9	0	8	12	11	10	31	41	4.5	4.4				
e. Other specified	1	4	8	15	15	28	43	3.7	4.2	0.9	0.8	1	4	6	19	27	30	57	4.1	5.7				
f. Unspecified CNS	3	3	1	2	4	9	13	1.4	1.4	0.8	1.0	3	2	2	4	2	11	13	1.7	1.5				
IV NEUROBLASTOMA	37	56	11	2	2	106	108	17.4	13.7	1.2	1.3	26	45	10	4	0	85	85	14.5	11.2				
a. (Ganglioneuroblastoma	37	56	11	2	1	106	107	17.4	13.6	1.2	1.3	26	45	10	4	0	85	85	14.5	11.2				
b. Peripheral nervous	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-				
V RETINOBLASTOMA	10	6	1	0	0	17	17	2.8	2.2	1.3	1.3	5	8	0	0	0	13	13	2.3	1.8				
VI RENAL TUMOURS	11	33	10	0	0	54	54	8.8	6.8	0.9	0.8	6	42	12	2	2	62	64	10.5	8.3				
a. Nephroblastoma	11	32	10	0	0	53	53	8.6	6.7	0.9	0.9	6	41	12	2	1	61	62	10.3	8.1				
b. Renal carcinoma	0	1	0	0	0	1	1	0.2	0.1	1.0	0.5	0	1	0	0	1	1	2	0.2	0.2				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VII HEPATIC TUMOURS	7	9	0	3	1	19	20	3.1	2.5	1.2	1.0	6	6	3	1	4	16	20	2.7	2.4				
a. Hepatoblastoma	7	9	0	1	0	17	17	2.8	2.2	1.3	1.3	5	6	2	0	0	13	13	2.2	1.7				
b. Hepatic carcinoma	0	0	0	2	1	2	3	0.2	0.3	0.7	0.4	1	0	1	1	4	3	7	0.4	0.7				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VIII BONE TUMOURS	0	2	16	36	44	54	98	6.7	9.1	1.4	1.5	0	1	10	28	25	39	64	5.1	6.2				
a. Osteosarcoma	0	1	8	15	26	24	50	3.0	4.6	1.2	1.4	0	0	4	16	16	20	36	2.5	3.5				
b. Chondrosarcoma	0	0	0	0	1	0	1	-	0.1	0.0	1.0	0	0	0	1	0	1	1	0.1	0.1				
c. Ewing & related	0	1	8	17	17	26	43	3.2	4.0	1.5	1.7	0	0	6	11	8	17	25	2.2	2.5				
d. Other specified	0	0	0	4	0	4	4	0.5	0.4	4.0	2.0	0	1	0	0	1	1	2	0.2	0.2				
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
IX SOFT TISSUE SARCOMA	15	22	22	25	34	84	118	12.2	12.4	1.6	1.3	2	14	15	22	35	53	88	7.7	9.2				
a. Rhabdomyosarcoma	8	16	14	6	15	44	59	6.7	6.5	1.8	2.0	1	9	7	7	6	24	30	3.6	3.4				
b. Fibrosarcoma	2	0	1	1	1	4	5	0.6	0.5	2.0	0.7	0	0	0	2	5	2	7	0.2	0.7				
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	4	5	6	14	13	29	42	4.0	4.2	1.3	1.0	0	5	7	11	20	23	43	3.2	4.4				
e. Unspecified	1	1	1	4	4	7	11	0.9	1.1	1.8	1.4	1	0	1	2	4	4	8	0.6	0.8				
X GERM CELL TUMOURS	5	6	1	14	91	26	117	3.6	10.8	0.8	2.1	9	3	7	15	21	34	55	5.0	5.8				
a. CNS germ cell	0	0	1	7	9	8	17	1.0	1.5	0.7	1.5	1	0	4	6	0	11	11	1.5	1.2				
b. Other extragonadal	1	3	0	3	3	7	10	1.0	1.1	0.6	0.8	8	3	0	1	1	12	13	2.1	1.7				
c. Gonadal germ cell	4	3	0	4	79	11	90	1.6	8.2	1.4	4.1	0	0	3	5	14	8	22	1.0	2.1				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	5	2	7	0.2	0.7				
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	0.1	0.2				
XI CARCINOMA & MELANOMA	1	3	7	33	57	44	101	5.5	9.3	0.9	0.5	3	2	9	37	173	51	224	6.7	21.3				
a. Adrenocortical	0	0	0	1	0	1	1	0.1	0.1	0.5	0.3	0	1	0	1	1	2	3	0.3	0.3				
b. Thyroid	0	0	1	10	16	11	27	1.3	2.4	0.5	0.2	0	0	3	19	94	22	116	2.8	10.9				
c. Nasopharyngeal	0	0	0	1	1	1	2	0.1	0.2	-	1.0	0	0	0	0	2	0	2	-	0.2				
d. Melanoma	0	3	4	16	26	23	49	2.9	4.6	1.6	0.7	2	1	2	9	57	14	71	1.9	6.8				
e. Skin carcinoma	0	0	0	1	1	1	2	0.1	0.2	-	2.0	0	0	0	0	1	0	1	-	0.1				
f. Other & unspecified	1	0	2	4	13	7	20	0.9	1.8	0.5	0.6	1	0	4	8	18	13	31	1.7	3.0				
XII OTHER & UNSPECIFIED	0	0	0	1	4	1	5	0.1	0.4	0.1	0.6	1	0	6	0	2	7	9	1.0	1.0				
a. Other specified	0	0	0	0	2	0	2	-	0.2	0.0	1.0	1	0	1	0	0	2	2	0.3	0.2				
b. Other unspecified	0	0	0	1	2	1	3	0.1	0.3	0.2	0.4	0	0	5	0	2	5	7	0.7	0.7				
TOTAL	139	411	324	327	510	1201	1711	175.2	180.7	1.2	1.2	97	366	228	291	496	982	1478	150.5	162.7				

† includes 62 non-malignant in males and 66 non-malignant in females

Please consult the quality indicators for this registry

USA, Virginia, NH White (1998-2012)

	Age group	Males	Females
Person-years	0	460 635	438 767
	1-4	1 832 899	1 743 824
	5-9	2 364 243	2 253 986
	10-14	2 487 929	2 360 730
	15-19	2 552 592	2 426 456
Total	0-14	7 145 706	6 797 307
	0-19	9 698 298	9 223 763
Average annual population	0-14	476 380	453 154
	0-19	646 553	614 918

Please consult the quality indicators for this registry