

## USA, Virginia (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
<b>I LEUKAEMIA</b>	72	455	266	194	186	987	1173	30.4	100.0	24.8	100.0	48.4	77.5	36.0	25.4	23.7	46.7	41.5	665	783	95.9	0.5
a. Lymphoid	27	385	219	126	94	757	851	23.3	76.7	18.0	72.5	18.1	65.6	29.6	16.5	12.0	36.0	30.6	510	570	96.8	0.2
b. Acute myeloid	30	53	32	49	66	164	230	5.0	16.6	4.9	19.6	20.2	9.0	4.3	6.4	8.4	7.6	7.8	110	152	94.8	0.9
c. CMD	1	3	5	10	16	19	35	0.6	1.9	0.7	3.0	0.7	0.5	0.7	1.3	2.0	0.8	1.1	13	23	85.7	0.0
d. MDS & other	9	6	4	2	1	21	22	0.6	2.1	0.5	1.9	6.0	1.0	0.5	0.3	0.1	1.0	0.8	14	15	100.0	0.0
e. Unspecified	5	8	6	7	9	26	35	0.8	2.6	0.7	3.0	3.4	1.4	0.8	0.9	1.1	1.2	1.2	17	23	88.6	5.7
<b>II LYMPHOMA &amp; RELATED</b>	11	59	91	182	355	343	698	10.6	100.0	14.8	100.0	7.4	10.0	12.3	23.8	45.2	14.6	21.5	228	454	98.3	0.4
a. Hodgkin	0	3	24	98	242	125	367	3.8	36.4	7.8	52.6	-	0.5	3.2	12.8	30.8	4.9	10.7	82	236	100.0	0.0
b. Non-Hodgkin except BL	3	27	40	64	100	134	234	4.1	39.1	5.0	33.5	2.0	4.6	5.4	8.4	12.7	5.8	7.3	89	153	97.0	1.3
c. Burkitt (BL)	0	13	17	16	6	46	52	1.4	13.4	1.1	7.4	-	2.2	2.3	2.1	0.8	2.0	1.7	31	35	100.0	0.0
d. Lymphoreticular	8	15	6	3	2	32	34	1.0	9.3	0.7	4.9	5.4	2.6	0.8	0.4	0.3	1.6	1.3	22	23	94.1	0.0
e. Unspecified	0	1	4	1	5	6	11	0.2	1.7	0.2	1.6	-	0.2	0.5	0.1	0.6	0.3	0.3	4	7	72.7	0.0
<b>III CNS NEOPLASMS †</b>	55	258	251	226	214	790	1004	24.3	100.0	21.2	100.0	36.9	43.9	33.9	29.6	27.2	36.0	34.0	530	666	82.7	1.0
a. Ependymoma	11	31	29	12	15	83	98	2.6	10.5	2.1	9.8	7.4	5.3	3.9	1.6	1.9	3.9	3.5	56	66	94.9	0.0
b. Astrocytoma	15	112	100	94	85	321	406	9.9	40.6	8.6	40.4	10.1	19.1	13.5	12.3	10.8	14.6	13.8	215	269	92.4	0.0
c. CNS embryonal	14	62	54	32	20	162	182	5.0	20.5	3.9	18.1	9.4	10.6	7.3	4.2	2.5	7.6	6.4	109	122	98.9	0.5
d. Other gliomas	2	32	40	31	22	105	127	3.2	13.3	2.7	12.6	1.3	5.4	5.4	4.1	2.8	4.7	4.3	70	84	41.7	0.8
e. Other specified	6	13	24	45	63	88	151	2.7	11.1	3.2	15.0	4.0	2.2	3.2	5.9	8.0	3.8	4.7	59	99	75.5	0.0
f. Unspecified CNS	7	8	4	12	9	31	40	1.0	3.9	0.8	4.0	4.7	1.4	0.5	1.6	1.1	1.4	1.4	21	26	37.5	20.0
<b>IV NEUROBLASTOMA</b>	80	138	27	9	6	254	260	7.8	100.0	5.5	100.0	53.7	23.5	3.7	1.2	0.8	13.0	10.2	172	176	98.8	0.0
a. (Ganglio)neuroblastoma	80	138	27	9	4	254	258	7.8	100.0	5.5	99.2	53.7	23.5	3.7	1.2	0.5	13.0	10.2	172	175	98.8	0.0
b. Peripheral nervous	0	0	0	0	2	0	2	-	-	0.0	0.8	-	-	-	-	0.3	-	0.1	-	1	100.0	0.0
<b>V RETINOBLASTOMA</b>	26	36	2	0	0	64	64	2.0	100.0	1.4	100.0	17.5	6.1	0.3	-	-	3.3	2.6	43	43	81.3	0.0
<b>VI RENAL TUMOURS</b>	25	111	37	6	6	179	185	5.5	100.0	3.9	100.0	16.8	18.9	5.0	0.8	0.8	9.0	7.1	121	125	98.4	0.0
a. Nephroblastoma	25	109	37	4	1	175	176	5.4	97.8	3.7	95.1	16.8	18.6	5.0	0.5	0.1	8.8	6.9	119	119	98.3	0.0
b. Renal carcinoma	0	2	0	2	5	4	9	0.1	2.2	0.2	4.9	-	0.3	-	0.3	0.6	0.2	0.3	3	6	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>VII HEPATIC TUMOURS</b>	16	24	9	6	9	55	64	1.7	100.0	1.4	100.0	10.7	4.1	1.2	0.8	1.1	2.7	2.4	37	43	95.3	0.0
a. Hepatoblastoma	15	24	7	2	0	48	48	1.5	87.3	1.0	75.0	10.1	4.1	0.9	0.3	-	2.4	1.9	33	33	95.8	0.0
b. Hepatic carcinoma	1	0	2	4	8	7	15	0.2	12.7	0.3	23.4	0.7	-	0.3	0.5	1.0	0.3	0.5	5	10	100.0	0.0
c. Unspecified	0	0	0	0	1	0	1	-	-	0.0	1.6	-	-	-	-	0.1	-	0.0	-	1	0.0	0.0
<b>VIII BONE TUMOURS</b>	0	6	37	90	113	133	246	4.1	100.0	5.2	100.0	-	1.0	5.0	11.8	14.4	5.3	7.4	88	160	97.6	1.6
a. Osteosarcoma	0	2	17	52	71	71	142	2.2	53.4	3.0	57.7	-	0.3	2.3	6.8	9.0	2.8	4.2	47	92	98.6	0.7
b. Chondrosarcoma	0	0	1	1	1	2	3	0.1	1.5	0.1	1.2	-	-	0.1	0.1	0.1	0.1	0.1	1	2	100.0	0.0
c. Ewing & related	0	1	19	31	31	51	82	1.6	38.3	1.7	33.3	-	0.2	2.6	4.1	3.9	2.1	2.5	34	54	98.8	1.2
d. Other specified	0	2	0	6	8	8	16	0.2	6.0	0.3	6.5	-	0.3	-	0.8	1.0	0.3	0.5	5	10	100.0	0.0
e. Unspecified	0	1	0	0	2	1	3	0.0	0.8	0.1	1.2	-	0.2	-	-	0.3	0.1	0.1	1	2	0.0	66.7
<b>IX SOFT TISSUE SARCOMA</b>	23	49	54	80	119	206	325	6.3	100.0	6.9	100.0	15.4	8.3	7.3	10.5	15.1	9.2	10.5	138	213	98.8	0.3
a. Rhabdomyosarcoma	11	35	30	21	38	97	135	3.0	47.1	2.9	41.5	7.4	6.0	4.1	2.7	4.8	4.5	4.6	65	89	98.5	0.7
b. Fibrosarcoma	3	0	1	9	11	13	24	0.4	6.3	0.5	7.4	2.0	-	0.1	1.2	1.4	0.5	0.7	9	16	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	2	0	2	-	-	0.0	0.6	-	-	-	-	0.3	-	0.1	-	1	100.0	0.0
d. Other specified	6	13	20	37	54	76	130	2.3	36.9	2.8	40.0	4.0	2.2	2.7	4.8	6.9	3.3	4.1	51	85	99.2	0.0
e. Unspecified	3	1	3	13	14	20	34	0.6	9.7	0.7	10.5	2.0	0.2	0.4	1.7	1.8	0.8	1.0	13	22	97.1	0.0
<b>X GERM CELL TUMOURS</b>	21	13	17	47	147	98	245	3.0	100.0	5.2	100.0	14.1	2.2	2.3	6.1	18.7	4.3	7.6	65	159	96.7	0.0
a. CNS germ cell ‡	3	1	9	21	14	34	48	1.0	34.7	1.0	19.6	2.0	0.2	1.2	2.7	1.8	1.4	1.5	23	31	87.5	0.0
b. Other extragonadal	12	7	0	5	5	24	29	0.7	24.5	0.6	11.8	8.1	1.2	-	0.7	0.6	1.2	1.1	16	19	96.6	0.0
c. Gonadal germ cell	6	5	8	16	118	35	153	1.1	35.7	3.2	62.4	4.0	0.9	1.1	2.1	15.0	1.5	4.6	23	98	100.0	0.0
d. Gonadal carcinoma	0	0	0	2	8	2	10	0.1	2.0	0.2	4.1	-	-	-	0.3	1.0	0.1	0.3	1	6	100.0	0.0
e. Unspecified gonadal	0	0	0	3	2	3	5	0.1	3.1	0.1	2.0	-	-	-	0.4	0.3	0.1	0.1	2	3	80.0	0.0
<b>XI CARCINOMA &amp; MELANOMA</b>	4	6	25	88	313	123	436	3.8	100.0	9.2	100.0	2.7	1.0	3.4	11.5	39.8	5.0	12.8	81	280	99.5	0.2
a. Adrenocortical	0	1	2	2	2	5	7	0.2	4.1	0.1	1.6	-	0.2	0.3	0.3	0.3	0.2	0.2	3	5	100.0	0.0
b. Thyroid	0	1	5	35	144	41	185	1.3	33.3	3.9	42.4	-	0.2	0.7	4.6	18.3	1.6	5.4	27	119	100.0	0.0
c. Nasopharyngeal	0	0	0	5	7	5	12	0.2	4.1	0.3	2.8	-	-	-	0.7	0.9	0.2	0.3	3	8	100.0	0.0
d. Melanoma	2	4	9	28	91	43	134	1.3	35.0	2.8	30.7	1.3	0.7	1.2	3.7	11.6	1.8	4.0	28	86	99.3	0.7
e. Skin carcinoma	0	0	0	1	2	1	3	0.0	0.8	0.1	0.7	-	-	-	0.1	0.3	0.0	0.1	1	2	100.0	0.0
f. Other & unspecified	2	0	9	17	67	28	95	0.9	22.8	2.0	21.8	1.3	-	1.2	2.2	8.5	1.1	2.8	19	61	98.9	0.0
<b>XII OTHER &amp; UNSPECIFIED</b>	1	4	8	3	11	16	27	0.5	100.0	0.6	100.0	0.7	0.7	1.1	0.4	1.4	0.7	0.9	11	18	63.0	22.2
a. Other specified	1	4	1	0	5	6	11	0.2	37.5	0.2	40.7	0.7	0.7	0.1	-	0.6	0.3	0.4	4	7	81.8	18.2
b. Other unspecified	0	0	7	3	6	10	16	0.3	62.5	0.3	59.3	-	-	0.9	0.4	0.8	0.4	0.5	7	11	50.0	25.0
<b>TOTAL</b>	334	1159	824	931	1479	3248	4727	100.0	100.0	100.0	100.0	224.3	197.4	111.4	121.8	188.2	149.8	158.5	2180	3121	94.0	0.7

† includes 193 non-malignant ‡ includes 3 non-malignant

Please consult the quality indicators for this registry

## USA, Virginia (1998-2012)

	Males									M/F ratio		Females								
	Number of cases in age groups									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
<b>I LEUKAEMIA</b>	40	235	151	96	122	522	644	48.4	44.3	1.1	1.2	32	220	115	98	64	465	529	44.9	38.6
a. Lymphoid	13	198	123	64	63	398	461	37.0	32.2	1.1	1.2	14	187	96	62	31	359	390	35.0	28.9
b. Acute myeloid	17	29	20	20	42	86	128	7.9	8.5	1.1	1.3	13	24	12	29	24	78	102	7.3	7.1
c. CMD	1	2	3	6	10	12	22	1.0	1.3	1.7	1.7	0	1	2	4	6	7	13	0.6	0.8
d. MDS & other	8	5	1	1	1	15	16	1.5	1.2	2.5	2.7	1	1	3	1	0	6	6	0.6	0.4
e. Unspecified	1	1	4	5	6	11	17	0.9	1.0	0.7	0.9	4	7	2	2	3	15	18	1.5	1.4
<b>II LYMPHOMA &amp; RELATED</b>	5	37	63	114	196	219	415	18.2	25.1	1.8	1.5	6	22	28	68	159	124	283	10.8	17.7
a. Hodgkin	0	2	17	53	120	72	192	5.6	11.0	1.4	1.1	0	1	7	45	122	53	175	4.2	10.4
b. Non-Hodgkin except BL	1	20	27	45	64	93	157	7.8	9.6	2.3	2.0	2	7	13	19	36	41	77	3.6	4.9
c. Burkitt (BL)	0	8	14	13	5	35	40	3.0	2.6	3.2	3.3	0	5	3	3	1	11	12	1.0	0.9
d. Lymphoreticular	4	7	4	2	2	17	19	1.6	1.4	1.1	1.3	4	8	2	1	0	15	15	1.5	1.2
e. Unspecified	0	0	1	1	5	2	7	0.2	0.4	0.5	1.8	0	1	3	0	0	4	4	0.4	0.3
<b>III CNS NEOPLASMS †</b>	31	148	142	117	99	438	537	39.3	36.0	1.2	1.1	24	110	109	109	115	352	467	32.6	32.0
a. Ependymoma	7	16	15	7	7	45	52	4.2	3.6	1.2	1.1	4	15	14	5	8	38	46	3.7	3.3
b. Astrocytoma	9	65	59	50	43	183	226	16.4	15.1	1.3	1.3	6	47	41	44	42	138	180	12.8	12.4
c. CNS embryonal	8	40	31	20	11	99	110	9.1	7.7	1.6	1.5	6	22	23	12	9	63	72	6.0	5.2
d. Other gliomas	2	16	20	14	10	52	62	4.6	4.1	1.0	1.0	0	16	20	17	12	53	65	4.8	4.4
e. Other specified	1	5	15	19	22	40	62	3.3	3.8	0.8	0.7	5	8	9	26	41	48	89	4.2	5.7
f. Unspecified CNS	4	6	2	7	6	19	25	1.7	1.7	1.6	1.7	3	2	2	5	3	12	15	1.1	1.0
<b>IV NEUROBLASTOMA</b>	46	78	15	4	2	143	145	14.4	11.2	1.3	1.3	34	60	12	5	4	111	115	11.6	9.2
a. (Ganglio)neuroblastoma	46	78	15	4	1	143	144	14.4	11.2	1.3	1.3	34	60	12	5	3	111	114	11.6	9.1
b. Peripheral nervous	0	0	0	0	1	0	1	-	0.1	-	1.0	0	0	0	0	1	0	1	-	0.1
<b>V RETINOBLASTOMA</b>	17	21	2	0	0	40	40	4.1	3.2	1.7	1.7	9	15	0	0	0	24	24	2.6	2.0
<b>VI RENAL TUMOURS</b>	15	47	12	2	2	76	78	7.6	6.0	0.7	0.7	10	64	25	4	4	103	107	10.5	8.4
a. Nephroblastoma	15	46	12	1	0	74	74	7.4	5.7	0.7	0.7	10	63	25	3	1	101	102	10.3	8.0
b. Renal carcinoma	0	1	0	1	2	2	4	0.2	0.2	1.0	0.8	0	1	0	1	3	2	5	0.2	0.3
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-
<b>VII HEPATIC TUMOURS</b>	9	15	4	3	2	31	33	3.0	2.5	1.3	1.1	7	9	5	3	7	24	31	2.4	2.3
a. Hepatoblastoma	9	15	4	1	0	29	29	2.9	2.2	1.5	1.5	6	9	3	1	0	19	19	2.0	1.5
b. Hepatic carcinoma	0	0	0	2	2	2	4	0.1	0.2	0.4	0.4	1	0	2	2	6	5	11	0.4	0.7
c. Unspecified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.1
<b>VIII BONE TUMOURS</b>	0	4	19	52	70	75	145	5.9	8.5	1.3	1.4	0	2	18	38	43	58	101	4.8	6.2
a. Osteosarcoma	0	2	8	29	46	39	85	3.0	4.9	1.2	1.5	0	0	9	23	25	32	57	2.6	3.5
b. Chondrosarcoma	0	0	1	0	1	1	2	0.1	0.1	1.0	2.0	0	0	0	1	0	1	1	0.1	0.1
c. Ewing & related	0	1	10	18	19	29	48	2.3	2.8	1.3	1.4	0	0	9	13	12	22	34	1.8	2.1
d. Other specified	0	1	0	5	3	6	9	0.5	0.5	3.0	1.3	0	1	0	1	5	2	7	0.2	0.4
e. Unspecified	0	0	0	0	1	0	1	-	0.1	0.0	0.5	0	1	0	0	1	1	2	0.1	0.1
<b>IX SOFT TISSUE SARCOMA</b>	17	30	34	45	68	126	194	11.1	12.4	1.6	1.5	6	19	20	35	51	80	131	7.2	8.6
a. Rhabdomyosarcoma	8	22	20	10	29	60	89	5.5	5.9	1.6	1.9	3	13	10	11	9	37	46	3.5	3.2
b. Fibrosarcoma	2	0	1	6	4	9	13	0.7	0.8	2.3	1.2	1	0	0	3	7	4	11	0.3	0.7
c. Kaposi sarcoma	0	0	0	0	2	0	2	-	0.1	-	-	0	0	0	0	0	0	0	-	-
d. Other specified	6	7	11	21	25	45	70	3.8	4.4	1.5	1.2	0	6	9	16	29	31	60	2.7	3.8
e. Unspecified	1	1	2	8	8	12	20	1.0	1.2	1.5	1.4	2	0	1	5	6	8	14	0.7	0.9
<b>X GERM CELL TUMOURS</b>	7	8	4	20	114	39	153	3.4	9.0	0.7	1.7	14	5	13	27	33	59	92	5.3	6.0
a. CNS germ cell ‡	0	0	3	12	14	15	29	1.1	1.7	0.8	1.5	3	1	6	9	0	19	19	1.7	1.3
b. Other extragonadal	1	3	0	4	4	8	12	0.7	0.8	0.5	0.7	11	4	0	1	1	16	17	1.7	1.4
c. Gonadal germ cell	6	5	1	4	96	16	112	1.5	6.5	0.8	2.7	0	0	7	12	22	19	41	1.6	2.5
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	8	2	10	0.2	0.6
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	3	2	3	5	0.2	0.3
<b>XI CARCINOMA &amp; MELANOMA</b>	1	4	10	44	86	59	145	4.6	8.4	0.9	0.5	3	2	15	44	227	64	291	5.3	17.4
a. Adrenocortical	0	0	1	1	0	2	2	0.2	0.1	0.7	0.4	0	1	1	1	2	3	5	0.3	0.3
b. Thyroid	0	1	1	12	24	14	38	1.1	2.2	0.5	0.3	0	0	4	23	120	27	147	2.1	8.7
c. Nasopharyngeal	0	0	0	4	3	4	7	0.3	0.4	4.0	1.4	0	0	0	1	4	1	5	0.1	0.3
d. Melanoma	0	3	4	18	30	25	55	2.0	3.2	1.4	0.7	2	1	5	10	61	18	79	1.5	4.8
e. Skin carcinoma	0	0	0	1	1	1	2	0.1	0.1	-	2.0	0	0	0	0	1	0	1	-	0.1
f. Other & unspecified	1	0	4	8	28	13	41	1.0	2.4	0.9	0.8	1	0	5	9	39	15	54	1.3	3.3
<b>XII OTHER &amp; UNSPECIFIED</b>	0	3	1	2	6	6	12	0.5	0.8	0.6	0.8	1	1	7	1	5	10	15	0.9	1.0
a. Other specified	0	3	0	0	4	3	7	0.3	0.5	1.0	1.8	1	1	1	0	1	3	4	0.3	0.3
b. Other unspecified	0	0	1	2	2	3	5	0.2	0.3	0.4	0.5	0	0	6	1	4	7	11	0.6	0.7
<b>TOTAL</b>	188	630	457	499	767	1774	2541	160.4	167.2	1.2	1.2	146	529	367	432	712	1474	2186	138.8	149.3

† includes 88 non-malignant in males and 105 non-malignant in females ‡ includes 2 non-malignant in males and 1 non-malignant in females

Please consult the quality indicators for this registry

## USA, Virginia (1998-2012)

	Age group	Males	Females
Person-years	0	760 868	727 954
	1-4	2 997 007	2 874 699
	5-9	3 770 741	3 624 375
	10-14	3 908 233	3 734 655
	15-19	4 023 610	3 834 196
Total	0-14	11 436 849	10 961 683
	0-19	15 460 459	14 795 879
Average annual population	0-14	762 457	730 779
	0-19	1 030 697	986 392

Please consult the quality indicators for this registry