

USA, Virginia, Black (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	12	67	47	35	40	161	201	28.2	100.0	23.6	100.0	35.1	48.6	26.4	18.5	20.5	31.6	29.1	454	556	96.0	0.0
a. Lymphoid	5	49	35	23	16	112	128	19.6	69.6	15.0	63.7	14.6	35.5	19.6	12.2	8.2	22.0	18.9	316	357	97.7	0.0
b. Acute myeloid	5	13	11	8	14	37	51	6.5	23.0	6.0	25.4	14.6	9.4	6.2	4.2	7.2	7.3	7.2	104	140	94.1	0.0
c. CMD	0	2	1	2	6	5	11	0.9	3.1	1.3	5.5	-	1.5	0.6	1.1	3.1	0.9	1.4	14	29	90.9	0.0
d. MDS & other	2	1	0	1	0	4	4	0.7	2.5	0.5	2.0	5.8	0.7	-	0.5	-	0.8	0.6	11	11	100.0	0.0
e. Unspecified	0	2	0	1	4	3	7	0.5	1.9	0.8	3.5	-	1.5	-	0.5	2.0	0.6	0.9	8	19	85.7	0.0
II LYMPHOMA & RELATED	3	6	12	41	74	62	136	10.9	100.0	16.0	100.0	8.8	4.4	6.7	21.7	37.8	10.5	16.6	168	357	96.3	1.5
a. Hodgkin	0	0	5	21	45	26	71	4.6	41.9	8.3	52.2	-	-	2.8	11.1	23.0	4.1	8.4	70	185	100.0	0.0
b. Non-Hodgkin except BL	2	4	4	15	27	25	52	4.4	40.3	6.1	38.2	5.8	2.9	2.2	7.9	13.8	4.4	6.5	68	137	94.2	3.8
c. Burkitt (BL)	0	0	2	4	1	6	7	1.1	9.7	0.8	5.1	-	-	1.1	2.1	0.5	1.0	0.9	16	19	100.0	0.0
d. Lymphoreticular	1	1	0	0	1	2	3	0.4	3.2	0.4	2.2	2.9	0.7	-	-	0.5	0.4	0.5	6	8	66.7	0.0
e. Unspecified	0	1	1	1	0	3	3	0.5	4.8	0.4	2.2	-	0.7	0.6	0.5	-	0.6	0.4	8	8	66.7	0.0
III CNS NEOPLASMS †	4	53	46	44	44	147	191	25.7	100.0	22.4	100.0	11.7	38.4	25.8	23.3	22.5	27.9	26.7	411	523	73.3	1.0
a. Ependymoma	2	6	6	6	0	20	20	3.5	13.6	2.4	10.5	5.8	4.4	3.4	3.2	-	3.8	2.9	56	56	95.0	0.0
b. Astrocytoma	0	24	14	16	19	54	73	9.5	36.7	8.6	38.2	-	17.4	7.9	8.5	9.7	10.4	10.2	151	200	91.8	0.0
c. CNS embryonal	0	8	4	2	6	14	20	2.5	9.5	2.4	10.5	-	5.8	2.2	1.1	3.1	2.8	2.9	40	55	100.0	0.0
d. Other gliomas	0	11	13	8	2	32	34	5.6	21.8	4.0	17.8	-	8.0	7.3	4.2	1.0	6.1	4.9	90	95	29.4	0.0
e. Other specified	1	3	8	9	15	21	36	3.7	14.3	4.2	18.8	2.9	2.2	4.5	4.8	7.7	3.7	4.6	58	96	61.1	0.0
f. Unspecified CNS	1	1	1	3	2	6	8	1.1	4.1	0.9	4.2	2.9	0.7	0.6	1.6	1.0	1.1	1.1	17	22	25.0	25.0
IV NEUROBLASTOMA	7	19	4	3	1	33	34	5.8	100.0	4.0	100.0	20.5	13.8	2.2	1.6	0.5	7.0	5.6	95	97	100.0	0.0
a. (Ganglio)neuroblastoma	7	19	4	3	1	33	34	5.8	100.0	4.0	100.0	20.5	13.8	2.2	1.6	0.5	7.0	5.6	95	97	100.0	0.0
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V RETINOBLASTOMA	6	11	1	0	0	18	18	3.2	100.0	2.1	100.0	17.5	8.0	0.6	-	-	4.0	3.1	52	52	77.8	0.0
VI RENAL TUMOURS	7	22	8	2	4	39	43	6.8	100.0	5.1	100.0	20.5	16.0	4.5	1.1	2.0	8.3	6.9	112	122	97.7	0.0
a. Nephroblastoma	7	22	8	2	0	39	39	6.8	100.0	4.6	90.7	20.5	16.0	4.5	1.1	-	8.3	6.4	112	112	97.4	0.0
b. Renal carcinoma	0	0	0	0	4	0	4	-	-	0.5	9.3	-	-	-	-	2.0	-	0.5	-	10	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	1	2	3	0	2	6	8	1.1	100.0	0.9	100.0	2.9	1.5	1.7	-	1.0	1.2	1.2	17	22	87.5	0.0
a. Hepatoblastoma	1	2	3	0	0	6	6	1.1	100.0	0.7	75.0	2.9	1.5	1.7	-	-	1.2	0.9	17	17	83.3	0.0
b. Hepatic carcinoma	0	0	0	0	2	0	2	-	-	0.2	25.0	-	-	-	-	1.0	-	0.2	-	5	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	2	4	20	24	26	50	4.6	100.0	5.9	100.0	-	1.5	2.2	10.6	12.3	4.2	6.0	70	131	100.0	0.0
a. Osteosarcoma	0	1	2	18	17	21	38	3.7	80.8	4.5	76.0	-	0.7	1.1	9.5	8.7	3.3	4.6	56	100	100.0	0.0
b. Chondrosarcoma	0	0	1	0	0	1	1	0.2	3.8	0.1	2.0	-	-	0.6	-	-	0.2	0.1	3	3	100.0	0.0
c. Ewing & related	0	0	1	0	3	1	4	0.2	3.8	0.5	8.0	-	-	0.6	-	1.5	0.2	0.5	3	10	100.0	0.0
d. Other specified	0	1	0	2	4	3	7	0.5	11.5	0.8	14.0	-	0.7	-	1.1	2.0	0.5	0.9	8	18	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX SOFT TISSUE SARCOMA	4	9	7	21	27	41	68	7.2	100.0	8.0	100.0	11.7	6.5	3.9	11.1	13.8	7.4	8.9	113	182	98.5	0.0
a. Rhabdomyosarcoma	1	7	3	6	11	17	28	3.0	41.5	3.3	41.2	2.9	5.1	1.7	3.2	5.6	3.3	3.8	48	76	100.0	0.0
b. Fibrosarcoma	1	0	0	3	4	4	8	0.7	9.8	0.9	11.8	2.9	-	-	1.6	2.0	0.7	1.0	11	21	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	-	0.1	1.5	-	-	-	-	0.5	-	0.1	-	3	100.0	0.0
d. Other specified	2	2	3	7	8	14	22	2.5	34.1	2.6	32.4	5.8	1.5	1.7	3.7	4.1	2.5	2.9	39	59	100.0	0.0
e. Unspecified	0	0	1	5	3	6	9	1.1	14.6	1.1	13.2	-	-	0.6	2.6	1.5	0.9	1.1	16	24	88.9	0.0
X GERM CELL TUMOURS	4	0	6	10	20	20	40	3.5	100.0	4.7	100.0	11.7	-	3.4	5.3	10.2	3.5	5.0	55	106	95.0	0.0
a. CNS germ cell ‡	1	0	3	3	4	7	11	1.2	35.0	1.3	27.5	2.9	-	1.7	1.6	2.0	1.2	1.4	19	29	81.8	0.0
b. Other extragonadal	3	0	0	0	1	3	4	0.5	15.0	0.5	10.0	8.8	-	-	-	0.5	0.7	0.6	9	11	100.0	0.0
c. Gonadal germ cell	0	0	3	5	12	8	20	1.4	40.0	2.4	50.0	-	-	1.7	2.6	6.1	1.3	2.4	22	52	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	2	0	2	-	-	0.2	5.0	-	-	-	-	1.0	-	0.2	-	5	100.0	0.0
e. Unspecified gonadal	0	0	0	2	1	2	3	0.4	10.0	0.4	7.5	-	-	-	1.1	0.5	0.3	0.4	5	8	100.0	0.0
XI CARCINOMA & MELANOMA	0	1	4	8	41	13	54	2.3	100.0	6.3	100.0	-	0.7	2.2	4.2	21.0	2.2	6.4	35	140	100.0	0.0
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Thyroid	0	1	0	3	12	4	16	0.7	30.8	1.9	29.6	-	0.7	-	1.6	6.1	0.7	1.9	11	42	100.0	0.0
c. Nasopharyngeal	0	0	0	4	4	4	8	0.7	30.8	0.9	14.8	-	-	-	2.1	2.0	0.6	0.9	11	21	100.0	0.0
d. Melanoma	0	0	1	0	2	1	3	0.2	7.7	0.4	5.6	-	-	0.6	-	1.0	0.2	0.4	3	8	100.0	0.0
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f. Other & unspecified	0	0	3	1	23	4	27	0.7	30.8	3.2	50.0	-	-	1.7	0.5	11.8	0.7	3.2	11	70	100.0	0.0
XII OTHER & UNSPECIFIED	0	2	2	1	3	5	8	0.9	100.0	0.9	100.0	-	1.5	1.1	0.5	1.5	1.0	1.1	14	22	62.5	12.5
a. Other specified	0	2	0	0	2	2	4	0.4	40.0	0.5	50.0	-	1.5	-	-	1.0	0.4	0.6	6	11	100.0	0.0
b. Other unspecified	0	0	2	1	1	3	4	0.5	60.0	0.5	50.0	-	-	1.1	0.5	0.5	0.5	0.5	8	11	25.0	25.0
TOTAL	48	194	144	185	280	571	851	100.0	100.0	100.0	100.0	140.3	140.7	80.8	97.8	143.2	108.9	116.6	1596	2312	91.1	0.6

† includes 44 non-malignant ‡ includes 2 non-malignant

Please consult the quality indicators for this registry

USA, Virginia, Black (1998-2012)

	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	8	43	23	15	27	89	116	35.4	33.6	1.2	1.4	4	24	24	20	13	72	85	27.8	24.5		
a. Lymphoid	3	33	17	9	13	62	75	24.8	22.2	1.2	1.4	2	16	18	14	3	50	53	19.2	15.5		
b. Acute myeloid	3	8	6	4	8	21	29	8.2	8.2	1.3	1.3	2	5	5	4	6	16	22	6.3	6.2		
c. CMD	0	2	0	1	3	3	6	1.2	1.6	1.5	1.2	0	0	1	1	3	2	5	0.7	1.2		
d. MDS & other	2	0	0	0	0	2	2	0.9	0.7	1.0	1.0	0	1	0	1	0	2	2	0.8	0.6		
e. Unspecified	0	0	0	1	3	1	4	0.3	0.9	0.5	1.3	0	2	0	0	1	2	3	0.9	0.9		
II LYMPHOMA & RELATED	1	3	8	27	41	39	80	12.8	19.3	1.7	1.4	2	3	4	14	33	23	56	8.1	13.9		
a. Hodgkin	0	0	3	11	22	14	36	4.4	8.4	1.2	1.0	0	0	2	10	23	12	35	3.8	8.3		
b. Non-Hodgkin except BL	1	3	3	12	17	19	36	6.5	8.9	3.2	2.3	1	1	1	3	10	6	16	2.2	4.0		
c. Burkitt (BL)	0	0	2	3	1	5	6	1.6	1.5	5.0	6.0	0	0	0	1	0	1	1	0.3	0.2		
d. Lymphoreticular	0	0	0	0	1	0	1	-	0.2	0.0	0.5	1	1	0	0	0	2	2	0.9	0.7		
e. Unspecified	0	0	0	1	0	1	1	0.3	0.2	0.5	0.5	0	1	1	0	0	2	2	0.8	0.6		
III CNS NEOPLASMS †	2	31	22	22	20	77	97	29.2	27.2	1.1	1.0	2	22	24	22	24	70	94	26.6	26.2		
a. Ependymoma	1	4	2	2	0	9	9	3.5	2.7	0.8	0.8	1	2	4	4	0	11	11	4.1	3.2		
b. Astrocytoma	0	16	6	8	10	30	40	11.7	11.3	1.3	1.2	0	8	8	8	9	24	33	9.1	9.1		
c. CNS embryonal	0	6	2	1	3	9	12	3.7	3.5	1.8	1.5	0	2	2	1	3	5	8	2.0	2.2		
d. Other gliomas	0	3	6	6	2	15	17	5.3	4.6	0.9	1.0	0	8	7	2	0	17	17	6.8	5.3		
e. Other specified	0	1	5	3	4	9	13	3.1	3.3	0.8	0.6	1	2	3	6	11	12	23	4.3	5.9		
f. Unspecified CNS	1	1	1	2	1	5	6	1.9	1.7	5.0	3.0	0	0	0	1	1	1	2	0.3	0.5		
IV NEUROBLASTOMA	4	9	2	2	0	17	17	7.1	5.5	1.1	1.0	3	10	2	1	1	16	17	7.0	5.6		
a. (Ganglioneuroblastoma	4	9	2	2	0	17	17	7.1	5.5	1.1	1.0	3	10	2	1	1	16	17	7.0	5.6		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	5	7	1	0	0	13	13	5.7	4.4	2.6	2.6	1	4	0	0	0	5	5	2.3	1.8		
VI RENAL TUMOURS	4	9	0	1	2	14	16	6.1	5.2	0.6	0.6	3	13	8	1	2	25	27	10.5	8.6		
a. Nephroblastoma	4	9	0	1	0	14	14	6.1	4.7	0.6	0.6	3	13	8	1	0	25	25	10.5	8.2		
b. Renal carcinoma	0	0	0	0	2	0	2	-	0.5	-	1.0	0	0	0	0	2	0	2	-	0.5		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	1	2	2	0	1	5	6	2.0	1.8	5.0	3.0	0	0	1	0	1	1	2	0.4	0.5		
a. Hepatoblastoma	1	2	2	0	0	5	5	2.0	1.6	5.0	5.0	0	0	1	0	0	1	1	0.4	0.3		
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	0.2	-	1.0	0	0	0	0	1	0	1	-	0.2		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	2	1	14	13	17	30	5.5	7.2	1.9	1.5	0	0	3	6	11	9	20	3.0	4.9		
a. Osteosarcoma	0	1	0	13	11	14	25	4.4	5.9	2.0	1.9	0	0	2	5	6	7	13	2.3	3.2		
b. Chondrosarcoma	0	0	1	0	0	1	1	0.4	0.3	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	0	0	0	1	0	1	-	0.2	0.0	0.3	0	0	1	0	2	1	3	0.4	0.7		
d. Other specified	0	1	0	1	1	2	3	0.7	0.8	2.0	0.8	0	0	0	1	3	1	4	0.3	0.9		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
IX SOFT TISSUE SARCOMA	2	6	5	13	18	26	44	9.3	11.3	1.7	1.8	2	3	2	8	9	15	24	5.5	6.4		
a. Rhabdomyosarcoma	0	5	2	3	10	10	20	3.8	5.3	1.4	2.5	1	2	1	3	1	7	8	2.7	2.3		
b. Fibrosarcoma	0	0	0	3	3	3	6	0.9	1.4	3.0	3.0	1	0	0	0	1	1	2	0.5	0.6		
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	0.2	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	2	1	2	4	3	9	12	3.3	3.2	1.8	1.2	0	1	1	3	5	5	10	1.8	2.5		
e. Unspecified	0	0	1	3	1	4	5	1.3	1.2	2.0	1.3	0	0	0	2	2	2	4	0.6	0.9		
X GERM CELL TUMOURS	0	0	3	2	10	5	15	1.7	3.6	0.3	0.6	4	0	3	8	10	15	25	5.4	6.5		
a. CNS germ cell ‡	0	0	2	2	4	4	8	1.3	1.9	1.3	2.7	1	0	1	1	0	3	3	1.1	0.9		
b. Other extragonadal	0	0	0	1	0	0	1	-	0.2	0.0	0.3	3	0	0	0	0	3	3	1.4	1.1		
c. Gonadal germ cell	0	0	1	0	5	1	6	0.4	1.4	0.1	0.4	0	0	2	5	7	7	14	2.3	3.4		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	0.5		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	1	2	3	0.6	0.7		
XI CARCINOMA & MELANOMA	0	1	2	5	15	8	23	2.7	5.5	1.6	0.7	0	0	2	3	26	5	31	1.7	7.3		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	1	0	1	4	2	6	0.7	1.5	1.0	0.6	0	0	0	2	8	2	10	0.6	2.3		
c. Nasopharyngeal	0	0	0	3	2	3	5	0.9	1.2	3.0	1.7	0	0	0	1	2	1	3	0.3	0.7		
d. Melanoma	0	0	0	0	1	0	1	-	0.2	0.0	0.5	0	0	1	0	1	1	2	0.4	0.5		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	2	1	8	3	11	1.0	2.6	3.0	0.7	0	0	1	0	15	1	16	0.4	3.8		
XII OTHER & UNSPECIFIED	0	1	1	0	1	2	3	0.8	0.8	0.7	0.6	0	1	1	1	2	3	5	1.1	1.3		
a. Other specified	0	1	0	0	1	1	2	0.4	0.6	1.0	1.0	0	1	0	0	1	1	2	0.5	0.6		
b. Other unspecified	0	0	1	0	0	1	1	0.4	0.3	0.5	0.3	0	0	1	1	1	2	3	0.7	0.8		
TOTAL	27	114	70	101	148	312	460	118.3	125.4	1.2	1.2	21	80	74	84	132	259	391	99.3	107.6		

† includes 14 non-malignant in males and 30 non-malignant in females ‡ includes 2 non-malignant in males

Please consult the quality indicators for this registry

USA, Virginia, Black (1998-2012)

	Age group	Males	Females
Person-years	0	173 534	168 488
	1-4	698 187	680 743
	5-9	901 162	880 354
	10-14	958 396	934 021
	15-19	985 888	969 221
Total	0-14	2 731 279	2 663 606
	0-19	3 717 167	3 632 827
Average annual population	0-14	182 085	177 574
	0-19	247 811	242 188

Please consult the quality indicators for this registry