

USA, West 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
I LEUKAEMIA	13	97	64	37	41	211	252	28.0	100.0	21.8	100.0	41.7	78.5	40.1	21.9	22.5	46.8	41.3	665	778	96.4	0.8
a. Lymphoid	6	82	52	28	19	168	187	22.3	79.6	16.2	74.2	19.2	66.4	32.6	16.5	10.4	37.3	31.3	530	582	97.9	0.0
b. Acute myeloid	5	11	6	7	14	29	43	3.8	13.7	3.7	17.1	16.0	8.9	3.8	4.1	7.7	6.4	6.7	91	130	95.3	2.3
c. CMD	0	1	1	1	5	3	8	0.4	1.4	0.7	3.2	-	0.8	0.6	0.6	2.7	0.6	1.1	9	23	75.0	0.0
d. MDS & other	2	2	3	1	0	8	8	1.1	3.8	0.7	3.2	6.4	1.6	1.9	0.6	-	1.8	1.4	25	25	100.0	0.0
e. Unspecified	0	1	2	0	3	3	6	0.4	1.4	0.5	2.4	-	0.8	1.3	-	1.6	0.7	0.9	9	18	83.3	16.7
II LYMPHOMA & RELATED	5	15	18	34	95	72	167	9.5	100.0	14.4	100.0	16.0	12.1	11.3	20.1	52.1	14.5	22.9	221	482	98.2	0.0
a. Hodgkin	0	1	1	21	69	23	92	3.1	31.9	8.0	55.1	-	0.8	0.6	12.4	37.8	4.1	11.7	68	258	100.0	0.0
b. Non-Hodgkin except BL	3	4	13	10	20	30	50	4.0	41.7	4.3	29.9	9.6	3.2	8.1	5.9	11.0	6.1	7.2	93	148	98.0	0.0
c. Burkitt (BL)	0	8	2	3	5	13	18	1.7	18.1	1.6	10.8	-	6.5	1.3	1.8	2.7	2.9	2.9	41	55	100.0	0.0
d. Lymphoreticular	2	2	2	0	1	6	7	0.8	8.3	0.6	4.2	6.4	1.6	1.3	-	0.5	1.4	1.2	19	22	71.4	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III CNS NEOPLASMS †	20	50	72	65	64	207	271	27.5	100.0	23.4	100.0	64.1	40.5	45.1	38.4	35.1	43.2	41.4	644	819	82.3	0.7
a. Ependymoma	4	4	3	2	6	13	19	1.7	6.3	1.6	7.0	12.8	3.2	1.9	1.2	3.3	3.0	3.0	41	58	100.0	0.0
b. Astrocytoma	3	25	32	38	16	98	114	13.0	47.3	9.9	42.1	9.6	20.2	20.1	22.4	8.8	20.0	17.5	303	347	89.5	0.9
c. CNS embryonal	7	12	14	5	6	38	44	5.0	18.4	3.8	16.2	22.4	9.7	8.8	3.0	3.3	8.4	7.3	120	136	97.7	0.0
d. Other gliomas	3	6	16	8	8	33	41	4.4	15.9	3.5	15.1	9.6	4.9	10.0	4.7	4.4	6.9	6.3	103	125	58.5	0.0
e. Other specified	3	3	6	12	25	24	49	3.2	11.6	4.2	18.1	9.6	2.4	3.8	7.1	13.7	4.8	6.8	74	142	69.4	0.0
f. Unspecified CNS	0	0	1	0	3	1	4	0.1	0.5	0.3	1.5	-	-	0.6	-	1.6	0.2	0.5	3	11	25.0	25.0
IV NEUROBLASTOMA	12	31	6	3	0	52	52	6.9	100.0	4.5	100.0	38.5	25.1	3.8	1.8	-	12.5	9.7	167	167	100.0	0.0
a. (Ganglio)neuroblastoma	12	31	6	3	0	52	52	6.9	100.0	4.5	100.0	38.5	25.1	3.8	1.8	-	12.5	9.7	167	167	100.0	0.0
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V RETINOBLASTOMA	11	6	1	0	0	18	18	2.4	100.0	1.6	100.0	35.3	4.9	0.6	-	-	4.5	3.5	58	58	83.3	0.0
VI RENAL TUMOURS	8	25	5	1	3	39	42	5.2	100.0	3.6	100.0	25.6	20.2	3.1	0.6	1.6	9.4	7.7	125	133	97.6	0.0
a. Nephroblastoma	8	25	5	1	1	39	40	5.2	100.0	3.5	95.2	25.6	20.2	3.1	0.6	0.5	9.4	7.4	125	128	97.5	0.0
b. Renal carcinoma	0	0	0	0	2	0	2	-	-	0.2	4.8	-	-	-	-	1.1	-	0.2	-	5	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	6	6	1	1	2	14	16	1.9	100.0	1.4	100.0	19.2	4.9	0.6	0.6	1.1	3.4	2.9	45	50	93.8	6.3
a. Hepatoblastoma	6	6	1	0	1	13	14	1.7	92.9	1.2	87.5	19.2	4.9	0.6	-	0.5	3.2	2.6	42	45	100.0	0.0
b. Hepatic carcinoma	0	0	0	1	1	1	2	0.1	7.1	0.2	12.5	-	-	-	0.6	0.5	0.2	0.3	3	6	50.0	50.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	1	8	19	26	28	54	3.7	100.0	4.7	100.0	-	0.8	5.0	11.2	14.3	5.1	7.2	84	156	100.0	0.0
a. Osteosarcoma	0	0	4	10	14	14	28	1.9	50.0	2.4	51.9	-	-	2.5	5.9	7.7	2.5	3.7	42	80	100.0	0.0
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Ewing & related	0	1	4	8	10	13	23	1.7	46.4	2.0	42.6	-	0.8	2.5	4.7	5.5	2.4	3.1	39	67	100.0	0.0
d. Other specified	0	0	0	1	2	1	3	0.1	3.6	0.3	5.6	-	-	-	0.6	1.1	0.2	0.4	3	8	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX SOFT TISSUE SARCOMA	5	12	11	18	33	46	79	6.1	100.0	6.8	100.0	16.0	9.7	6.9	10.6	18.1	9.6	11.5	143	233	97.5	0.0
a. Rhabdomyosarcoma	0	11	5	4	9	20	29	2.7	43.5	2.5	36.7	-	8.9	3.1	2.4	4.9	4.4	4.6	63	88	100.0	0.0
b. Fibrosarcoma	2	0	0	1	3	3	6	0.4	6.5	0.5	7.6	6.4	-	-	0.6	1.6	0.7	0.9	9	18	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	2	0	4	12	16	18	34	2.4	39.1	2.9	43.0	6.4	-	2.5	7.1	8.8	3.4	4.6	54	98	100.0	0.0
e. Unspecified	1	1	2	1	5	5	10	0.7	10.9	0.9	12.7	3.2	0.8	1.3	0.6	2.7	1.1	1.5	16	29	80.0	0.0
X GERM CELL TUMOURS	7	4	3	14	38	28	66	3.7	100.0	5.7	100.0	22.4	3.2	1.9	8.3	20.8	5.8	9.2	86	190	95.5	0.0
a. CNS germ cell ‡	2	0	2	8	6	12	18	1.6	42.9	1.6	27.3	6.4	-	1.3	4.7	3.3	2.3	2.5	36	53	83.3	0.0
b. Other extragonadal	5	2	1	1	2	9	11	1.2	32.1	1.0	16.7	16.0	1.6	0.6	0.6	1.1	2.1	1.9	29	34	100.0	0.0
c. Gonadal germ cell	0	2	0	5	28	7	35	0.9	25.0	3.0	53.0	-	1.6	-	3.0	15.4	1.4	4.5	21	98	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified gonadal	0	0	0	0	2	0	2	-	-	0.2	3.0	-	-	-	-	1.1	-	0.2	-	5	100.0	0.0
XI CARCINOMA & MELANOMA	1	3	8	26	99	38	137	5.0	100.0	11.8	100.0	3.2	2.4	5.0	15.4	54.3	7.1	17.7	115	386	99.3	0.7
a. Adrenocortical	0	0	0	2	0	2	2	0.3	5.3	0.2	1.5	-	-	-	1.2	-	0.3	0.3	6	6	100.0	0.0
b. Thyroid	0	2	1	8	43	11	54	1.5	28.9	4.7	39.4	-	1.6	0.6	4.7	23.6	2.1	6.9	33	151	100.0	0.0
c. Nasopharyngeal	0	0	1	1	3	2	5	0.3	5.3	0.4	3.6	-	-	0.6	0.6	1.6	0.4	0.7	6	14	100.0	0.0
d. Melanoma	1	1	3	8	28	13	41	1.7	34.2	3.5	29.9	3.2	0.8	1.9	4.7	15.4	2.5	5.4	39	116	100.0	0.0
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f. Other & unspecified	0	0	3	7	25	10	35	1.3	26.3	3.0	25.5	-	-	1.9	4.1	13.7	1.8	4.5	30	99	97.1	2.9
XII OTHER & UNSPECIFIED	0	1	0	0	2	1	3	0.1	100.0	0.3	100.0	-	0.8	-	-	1.1	0.3	0.4	3	9	100.0	0.0
a. Other specified	0	0	0	0	1	0	1	-	-	0.1	33.3	-	-	-	-	0.5	-	0.1	-	3	100.0	0.0
b. Other unspecified	0	1	0	0	1	1	2	0.1	100.0	0.2	66.7	-	0.8	-	-	0.5	0.3	0.3	3	6	100.0	0.0
TOTAL	88	251	197	218	403	754	1157	100.0	100.0	100.0	100.0	282.1	203.2	123.5	128.7	221.0	162.0	175.3	2356	3461	93.9	0.5

† includes 61 non-malignant ‡ includes 1 non-malignant

Please consult the quality indicators for this registry

USA, West Virginia (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	9	53	34	19	27	115	142	50.1	45.3	1.2	1.3	4	44	30	18	14	96	110	43.4	37.2				
a. Lymphoid	3	44	30	15	15	92	107	39.8	34.5	1.2	1.3	3	38	22	13	4	76	80	34.7	27.9				
b. Acute myeloid	4	6	2	3	8	15	23	6.7	7.1	1.1	1.1	1	5	4	4	6	14	20	6.1	6.3				
c. CMD	0	0	1	0	3	1	4	0.4	1.0	0.5	1.0	0	1	0	1	2	2	4	0.9	1.2				
d. MDS & other	2	2	1	1	0	6	6	2.7	2.1	3.0	3.0	0	0	2	0	0	2	2	0.8	0.6				
e. Unspecified	0	1	0	0	1	1	2	0.5	0.6	0.5	0.5	0	0	2	0	2	2	4	0.8	1.2				
II LYMPHOMA & RELATED	4	12	15	19	52	50	102	20.1	28.0	2.3	1.6	1	3	3	15	43	22	65	8.6	17.6				
a. Hodgkin	0	1	1	12	35	14	49	4.9	12.2	1.6	1.1	0	0	0	9	34	9	43	3.2	11.1				
b. Non-Hodgkin except BL	2	3	11	6	12	22	34	8.8	9.7	2.8	2.1	1	1	2	4	8	8	16	3.3	4.6				
c. Burkitt (BL)	0	7	1	1	4	9	13	4.2	4.2	2.3	2.6	0	1	1	2	1	4	5	1.6	1.5				
d. Lymphoreticular	2	1	2	0	1	5	6	2.3	2.0	5.0	6.0	0	1	0	0	0	1	1	0.5	0.4				
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
III CNS NEOPLASMS †	14	34	48	27	27	123	150	51.4	46.3	1.5	1.2	6	16	24	38	37	84	121	34.6	36.2				
a. Ependymoma	2	3	2	1	4	8	12	3.6	3.7	1.6	1.7	2	1	1	1	2	5	7	2.3	2.3				
b. Astrocytoma	2	17	19	15	7	53	60	21.8	18.6	1.2	1.1	1	8	13	23	9	45	54	18.1	16.3				
c. CNS embryonal	4	9	11	3	4	27	31	11.7	10.0	2.5	2.4	3	3	3	2	2	11	13	5.0	4.4				
d. Other gliomas	3	3	11	4	3	21	24	8.6	7.4	1.8	1.4	0	3	5	4	5	12	17	5.0	5.2				
e. Other specified	3	2	4	4	9	13	22	5.4	6.3	1.2	0.8	0	1	2	8	16	11	27	4.2	7.3				
f. Unspecified CNS	0	0	1	0	0	1	1	0.4	0.3	-	0.3	0	0	0	0	3	0	3	-	0.8				
IV NEUROBLASTOMA	7	19	5	1	0	32	32	15.0	11.6	1.6	1.6	5	12	1	2	0	20	20	9.8	7.6				
a. (Ganglio)neuroblastoma	7	19	5	1	0	32	32	15.0	11.6	1.6	1.6	5	12	1	2	0	20	20	9.8	7.6				
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
V RETINOBLASTOMA	5	2	1	0	0	8	8	3.8	3.0	0.8	0.8	6	4	0	0	0	10	10	5.1	4.0				
VI RENAL TUMOURS	6	11	3	1	1	21	22	9.8	7.9	1.2	1.1	2	14	2	0	2	18	20	9.0	7.5				
a. Nephroblastoma	6	11	3	1	1	21	22	9.8	7.9	1.2	1.2	2	14	2	0	0	18	18	9.0	7.0				
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	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	5	4	0	0	1	9	10	4.4	3.7	1.8	1.7	1	2	1	1	1	5	6	2.3	2.0				
a. Hepatoblastoma	5	4	0	0	1	9	10	4.4	3.7	2.3	2.5	1	2	1	0	0	4	4	2.0	1.5				
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	0.4	0.5				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VIII BONE TUMOURS	0	0	5	9	17	14	31	5.0	7.9	1.0	1.3	0	1	3	10	9	14	23	5.3	6.4				
a. Osteosarcoma	0	0	2	4	9	6	15	2.1	3.8	0.8	1.2	0	0	2	6	5	8	13	2.9	3.6				
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
c. Ewing & related	0	0	3	4	7	7	14	2.5	3.6	1.2	1.6	0	1	1	4	3	6	9	2.3	2.6				
d. Other specified	0	0	0	1	1	1	2	0.3	0.5	-	2.0	0	0	0	0	1	0	1	-	0.3				
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
IX SOFT TISSUE SARCOMA	4	6	6	7	16	23	39	9.6	11.3	1.0	1.0	1	6	5	11	17	23	40	9.5	11.7				
a. Rhabdomyosarcoma	0	6	3	0	7	9	16	4.1	4.9	0.8	1.2	0	5	2	4	2	11	13	4.8	4.2				
b. Fibrosarcoma	2	0	0	0	0	2	2	1.0	0.8	2.0	0.5	0	0	0	1	3	1	4	0.4	1.0				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	1	0	1	6	6	8	14	2.9	3.7	0.8	0.7	1	0	3	6	10	10	20	3.9	5.5				
e. Unspecified	1	0	2	1	3	4	7	1.6	2.0	4.0	2.3	0	1	0	0	2	1	3	0.5	0.9				
X GERM CELL TUMOURS	2	2	1	8	28	13	41	5.0	10.6	0.9	1.6	5	2	2	6	10	15	25	6.5	7.6				
a. CNS germ cell ‡	0	0	1	4	5	5	10	1.7	2.5	0.7	1.3	2	0	1	4	1	7	8	2.8	2.5				
b. Other extragonadal	2	0	0	1	2	3	5	1.3	1.5	0.5	0.8	3	2	1	0	0	6	6	3.0	2.3				
c. Gonadal germ cell	0	2	0	3	20	5	25	2.0	6.3	2.5	2.5	0	0	0	2	8	2	10	0.7	2.6				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
e. Unspecified gonadal	0	0	0	0	1	0	1	-	0.2	-	1.0	0	0	0	0	1	0	1	-	0.3				
XI CARCINOMA & MELANOMA	0	3	3	9	32	15	47	5.7	12.0	0.7	0.5	1	0	5	17	67	23	90	8.6	23.7				
a. Adrenocortical	0	0	0	1	0	1	1	0.3	0.3	1.0	1.0	0	0	0	1	0	1	1	0.4	0.3				
b. Thyroid	0	2	0	1	8	3	11	1.3	2.9	0.4	0.3	0	0	1	7	35	8	43	2.9	11.1				
c. Nasopharyngeal	0	0	1	0	2	1	3	0.4	0.8	1.0	1.5	0	0	0	1	1	1	2	0.4	0.5				
d. Melanoma	0	1	1	4	11	6	17	2.2	4.4	0.9	0.7	1	0	2	4	17	7	24	2.8	6.5				
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
f. Other & unspecified	0	0	1	3	11	4	15	1.4	3.7	0.7	0.8	0	0	2	4	14	6	20	2.2	5.3				
XII OTHER & UNSPECIFIED	0	1	0	0	0	1	1	0.5	0.4	-	0.5	0	0	0	0	2	0	2	-	0.5				
a. Other specified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.3				
b. Other unspecified	0	1	0	0	0	1	1	0.5	0.4	-	1.0	0	0	0	0	1	0	1	-	0.3				
TOTAL	56	147	121	100	201	424	625	180.4	187.9	1.3	1.2	32	104	76	118	202	330	532	142.7	162.0				

† includes 26 non-malignant in males and 35 non-malignant in females ‡ includes 1 non-malignant in females

Please consult the quality indicators for this registry

USA, West Virginia (1998-2012)

	Age group	Males	Females
Person-years	0	159 076	152 887
	1-4	631 680	603 852
	5-9	819 227	776 502
	10-14	869 503	823 753
	15-19	939 594	883 837
Total	0-14	2 479 486	2 356 994
	0-19	3 419 080	3 240 831
Average annual population	0-14	165 299	157 133
	0-19	227 939	216 055

Please consult the quality indicators for this registry