

USA, Vermont, 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	ASR			0-19	0-14
I LEUKAEMIA	3	43	30	26	21	102	123	38.9	100.0	28.3	100.0	33.8	115.4	57.3	43.6	31.4	69.7	61.1	1003	1160	98.4	0.0
a. Lymphoid	0	37	26	20	14	83	97	31.7	81.4	22.3	78.9	-	99.3	49.7	33.6	20.9	56.8	48.7	817	922	97.9	0.0
b. Acute myeloid	2	5	2	3	5	12	17	4.6	11.8	3.9	13.8	22.5	13.4	3.8	5.0	7.5	8.6	8.3	120	158	100.0	0.0
c. CMD	1	0	1	1	1	3	4	1.1	2.9	0.9	3.3	11.3	-	1.9	1.7	1.5	1.9	1.8	29	36	100.0	0.0
d. MDS & other	0	1	1	2	0	4	4	1.5	3.9	0.9	3.3	-	2.7	1.9	3.4	-	2.4	1.9	37	37	100.0	0.0
e. Unspecified	0	0	0	0	1	0	1	-	-	0.2	0.8	-	-	-	-	1.5	-	0.3	-	7	100.0	0.0
II LYMPHOMA & RELATED	2	0	13	14	38	29	67	11.1	100.0	15.4	100.0	22.5	-	24.8	23.5	56.9	16.5	25.6	263	548	98.5	0.0
a. Hodgkin	0	0	4	8	29	12	41	4.6	41.4	9.4	61.2	-	-	7.6	13.4	43.4	6.4	14.7	105	322	100.0	0.0
b. Non-Hodgkin except BL	1	0	5	5	8	11	19	4.2	37.9	4.4	28.4	11.3	-	9.6	8.4	12.0	6.4	7.6	101	160	94.7	0.0
c. Burkitt (BL)	0	0	4	1	0	5	5	1.9	17.2	1.1	7.5	-	-	7.6	1.7	-	3.0	2.3	47	47	100.0	0.0
d. Lymphoreticular	1	0	0	0	0	1	1	0.4	3.4	0.2	1.5	11.3	-	-	-	-	0.8	0.7	11	11	100.0	0.0
e. Unspecified	0	0	0	0	1	0	1	-	-	0.2	1.5	-	-	-	-	1.5	-	0.3	-	7	100.0	0.0
III CNS NEOPLASMS †	4	8	12	22	35	46	81	17.6	100.0	18.6	100.0	45.1	21.5	22.9	36.9	52.4	28.2	33.6	429	691	69.1	0.0
a. Ependymoma	0	1	0	2	2	3	5	1.1	6.5	1.1	6.2	-	2.7	-	3.4	3.0	1.8	2.1	28	43	100.0	0.0
b. Astrocytoma	2	1	4	4	9	11	20	4.2	23.9	4.6	24.7	22.5	2.7	7.6	6.7	13.5	6.9	8.4	104	172	90.0	0.0
c. CNS embryonal	1	2	4	3	5	10	15	3.8	21.7	3.4	18.5	11.3	5.4	7.6	5.0	7.5	6.4	6.7	96	133	100.0	0.0
d. Other gliomas	0	1	2	4	2	7	9	2.7	15.2	2.1	11.1	-	2.7	3.8	6.7	3.0	4.0	3.8	63	78	33.3	0.0
e. Other specified	1	1	2	9	16	13	29	5.0	28.3	6.7	35.8	11.3	2.7	3.8	15.1	23.9	7.3	11.0	116	236	44.8	0.0
f. Unspecified CNS	0	2	0	0	1	2	3	0.8	4.3	0.7	3.7	-	5.4	-	-	1.5	1.7	1.6	22	29	66.7	0.0
IV NEUROBLASTOMA	7	7	3	1	1	18	19	6.9	100.0	4.4	100.0	78.9	18.8	5.7	1.7	1.5	14.1	11.2	189	196	100.0	0.0
a. (Ganglio)neuroblastoma	7	7	2	1	1	17	18	6.5	94.4	4.1	94.7	78.9	18.8	3.8	1.7	1.5	13.5	10.8	179	187	100.0	0.0
b. Peripheral nervous	0	0	1	0	0	1	1	0.4	5.6	0.2	5.3	-	-	1.9	-	-	0.6	0.5	10	10	100.0	0.0
V RETINOBLASTOMA	1	3	1	0	0	5	5	1.9	100.0	1.1	100.0	11.3	8.0	1.9	-	-	4.0	3.1	53	53	100.0	0.0
VI RENAL TUMOURS	0	4	5	0	0	9	9	3.4	100.0	2.1	100.0	-	10.7	9.6	-	-	6.4	5.0	91	91	100.0	0.0
a. Nephroblastoma	0	4	5	0	0	9	9	3.4	100.0	2.1	100.0	-	10.7	9.6	-	-	6.4	5.0	91	91	100.0	0.0
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	2	1	0	1	1	4	5	1.5	100.0	1.1	100.0	22.5	2.7	-	1.7	1.5	3.0	2.7	41	48	100.0	0.0
a. Hepatoblastoma	2	1	0	0	0	3	3	1.1	75.0	0.7	60.0	22.5	2.7	-	-	-	2.5	2.0	33	33	100.0	0.0
b. Hepatic carcinoma	0	0	0	1	1	1	2	0.4	25.0	0.5	40.0	-	-	-	1.7	1.5	0.5	0.7	8	16	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	0	5	6	11	11	22	4.2	100.0	5.1	100.0	-	-	9.6	10.1	16.5	6.0	8.4	98	180	100.0	0.0
a. Osteosarcoma	0	0	4	5	8	9	17	3.4	81.8	3.9	77.3	-	-	7.6	8.4	12.0	4.9	6.5	80	140	100.0	0.0
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Ewing & related	0	0	1	1	1	2	3	0.8	18.2	0.7	13.6	-	-	1.9	1.7	1.5	1.1	1.2	18	25	100.0	0.0
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	0	0	0	0	2	0	2	-	-	0.5	9.1	-	-	-	-	3.0	-	0.7	-	15	100.0	0.0
IX SOFT TISSUE SARCOMA	0	3	5	12	9	20	29	7.6	100.0	6.7	100.0	-	8.0	9.6	20.1	13.5	11.4	11.9	181	248	96.6	3.4
a. Rhabdomyosarcoma	0	2	3	3	3	8	11	3.1	40.0	2.5	37.9	-	5.4	5.7	5.0	4.5	5.0	4.9	75	98	100.0	0.0
b. Fibrosarcoma	0	0	1	2	1	3	4	1.1	15.0	0.9	13.8	-	-	1.9	3.4	1.5	1.6	1.6	26	34	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	0	0	1	4	4	5	9	1.9	25.0	2.1	31.0	-	-	1.9	6.7	6.0	2.6	3.3	43	73	100.0	0.0
e. Unspecified	0	1	0	3	1	4	5	1.5	20.0	1.1	17.2	-	2.7	-	5.0	1.5	2.3	2.1	36	43	80.0	20.0
X GERM CELL TUMOURS	3	2	1	1	18	7	25	2.7	100.0	5.7	100.0	33.8	5.4	1.9	1.7	26.9	5.3	10.2	72	207	88.0	0.0
a. CNS germ cell ‡	0	1	0	0	2	1	3	0.4	14.3	0.7	12.0	-	2.7	-	-	3.0	0.8	1.3	11	26	33.3	0.0
b. Other extragonadal	2	1	0	0	1	3	4	1.1	42.9	0.9	16.0	22.5	2.7	-	-	1.5	2.5	2.3	33	40	100.0	0.0
c. Gonadal germ cell	0	0	1	0	15	1	16	0.4	14.3	3.7	64.0	-	-	1.9	-	22.4	0.6	5.5	10	122	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified gonadal	1	0	0	1	0	2	2	0.8	28.6	0.5	8.0	11.3	-	-	1.7	-	1.3	1.0	19	19	50.0	0.0
XI CARCINOMA & MELANOMA	1	1	3	6	39	11	50	4.2	100.0	11.5	100.0	11.3	2.7	5.7	10.1	58.4	6.4	18.1	101	392	98.0	0.0
a. Adrenocortical	1	0	0	0	0	1	1	0.4	9.1	0.2	2.0	11.3	-	-	-	-	0.8	0.7	11	11	100.0	0.0
b. Thyroid	0	1	1	2	18	4	22	1.5	36.4	5.1	44.0	-	2.7	1.9	3.4	26.9	2.4	7.9	37	172	100.0	0.0
c. Nasopharyngeal	0	0	0	0	1	0	1	-	-	0.2	2.0	-	-	-	-	1.5	-	0.3	-	7	100.0	0.0
d. Melanoma	0	0	1	4	13	5	18	1.9	45.5	4.1	36.0	-	-	1.9	6.7	19.5	2.6	6.4	43	140	94.4	0.0
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f. Other & unspecified	0	0	1	0	7	1	8	0.4	9.1	1.8	16.0	-	-	1.9	-	10.5	0.6	2.8	10	62	100.0	0.0
XII OTHER & UNSPECIFIED	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Other unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	23	72	78	89	173	262	435	100.0	100.0	100.0	100.0	259.1	193.2	149.0	149.3	258.9	171.1	190.8	2521	3815	92.4	0.2

† includes 29 non-malignant ‡ includes 1 non-malignant

Please consult the quality indicators for this registry

USA, Vermont, NH White (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	2	26	16	13	18	57	75	77.1	71.5	1.3	1.6	1	17	14	13	3	45	48	61.9	50.1		
a. Lymphoid	0	21	14	11	12	46	58	61.4	55.4	1.2	1.5	0	16	12	9	2	37	39	51.9	41.6		
b. Acute myeloid	1	5	2	1	4	9	13	13.1	12.8	3.0	3.3	1	0	0	2	1	3	4	3.7	3.6		
c. CMD	1	0	0	0	1	1	2	1.6	1.9	0.5	1.0	0	0	1	1	0	2	2	2.3	1.8		
d. MDS & other	0	0	0	1	0	1	1	0.9	0.7	0.3	0.3	0	1	1	1	0	3	3	4.0	3.1		
e. Unspecified	0	0	0	0	1	0	1	-	0.7	-	-	0	0	0	0	0	0	0	-	-		
II LYMPHOMA & RELATED	1	0	7	8	18	16	34	17.6	25.4	1.2	1.0	1	0	6	6	20	13	33	15.4	25.8		
a. Hodgkin	0	0	2	5	12	7	19	7.1	13.4	1.4	0.9	0	0	2	3	17	5	22	5.5	16.1		
b. Non-Hodgkin except BL	0	0	1	2	5	3	8	3.1	5.7	0.4	0.7	1	0	4	3	3	8	11	9.8	9.7		
c. Burkitt (BL)	0	0	4	1	0	5	5	5.7	4.5	-	-	0	0	0	0	0	0	0	-	-		
d. Lymphoreticular	1	0	0	0	0	1	1	1.6	1.3	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	0	1	0	1	-	0.7	-	-	0	0	0	0	0	0	0	-	-		
III CNS NEOPLASMS †	2	4	10	15	13	31	44	36.0	36.4	2.1	1.2	2	4	2	7	22	15	37	19.9	30.7		
a. Ependymoma	0	0	0	1	1	1	2	0.9	1.4	0.5	0.7	0	1	0	1	1	2	3	2.7	2.8		
b. Astrocytoma	2	1	3	3	3	9	12	11.3	10.7	4.5	1.5	0	0	1	1	6	2	8	2.3	5.9		
c. CNS embryonal	0	1	4	1	4	6	10	7.4	8.3	1.5	2.0	1	1	0	2	1	4	5	5.5	4.9		
d. Other gliomas	0	1	2	3	1	6	7	6.9	6.0	6.0	3.5	0	0	0	1	1	1	2	1.0	1.5		
e. Other specified	0	0	1	7	3	8	11	7.8	8.0	1.6	0.6	1	1	1	2	13	5	18	6.7	14.3		
f. Unspecified CNS	0	1	0	0	1	1	2	1.6	1.9	1.0	2.0	0	1	0	0	0	1	1	1.7	1.3		
IV NEUROBLASTOMA	2	6	1	0	0	9	9	14.2	11.0	1.0	0.9	5	1	2	1	1	9	10	13.9	11.5		
a. (Ganglio)neuroblastoma	2	6	1	0	0	9	9	14.2	11.0	1.1	1.0	5	1	1	1	1	8	9	12.7	10.5		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	0	1	1	1.3	1.0		
V RETINOBLASTOMA	1	0	0	0	0	1	1	1.6	1.3	0.3	0.3	0	3	1	0	0	4	4	6.5	5.0		
VI RENAL TUMOURS	0	1	3	0	0	4	4	5.2	4.1	0.8	0.8	0	3	2	0	0	5	5	7.7	6.0		
a. Nephroblastoma	0	1	3	0	0	4	4	5.2	4.1	0.8	0.8	0	3	2	0	0	5	5	7.7	6.0		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	1	0	0	0	1	1	2	1.6	1.9	0.3	0.7	1	1	0	1	0	3	3	4.5	3.5		
a. Hepatoblastoma	1	0	0	0	0	1	1	1.6	1.3	0.5	0.5	1	1	0	0	0	2	2	3.5	2.7		
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	0.7	0.0	1.0	0	0	0	1	0	1	1	1.0	0.8		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	0	1	3	9	4	13	4.0	9.0	0.6	1.4	0	0	4	3	2	7	9	8.1	7.6		
a. Osteosarcoma	0	0	1	3	8	4	12	4.0	8.4	0.8	2.4	0	0	3	2	0	5	5	5.8	4.5		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	0	0	0	1	0	1	-	0.7	0.0	0.5	0	0	1	1	0	2	2	2.3	1.8		
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	1.4		
IX SOFT TISSUE SARCOMA	0	2	4	5	5	11	16	12.8	13.2	1.2	1.2	0	1	1	7	4	9	13	10.0	10.5		
a. Rhabdomyosarcoma	0	2	2	1	1	5	6	6.6	5.8	1.7	1.2	0	0	1	2	2	3	5	3.3	3.9		
b. Fibrosarcoma	0	0	1	1	0	2	2	2.1	1.7	2.0	1.0	0	0	0	1	1	1	2	1.0	1.5		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	0	1	0	4	1	5	1.2	3.5	0.3	1.3	0	0	0	4	0	4	4	4.0	3.1		
e. Unspecified	0	0	0	3	0	3	3	2.8	2.2	3.0	1.5	0	1	0	0	1	1	2	1.7	2.0		
X GERM CELL TUMOURS	2	2	0	0	13	4	17	6.5	13.5	1.3	2.1	1	0	1	1	5	3	8	4.0	6.6		
a. CNS germ cell ‡	0	1	0	0	2	1	3	1.6	2.6	-	-	0	0	0	0	0	0	0	-	-		
b. Other extragonadal	1	1	0	0	0	2	2	3.3	2.5	2.0	1.0	1	0	0	0	1	1	2	1.7	2.0		
c. Gonadal germ cell	0	0	0	0	11	0	11	-	7.2	0.0	2.2	0	0	1	0	4	1	5	1.3	3.8		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified gonadal	1	0	0	0	0	1	1	1.6	1.3	1.0	1.0	0	0	0	1	0	1	1	1.0	0.8		
XI CARCINOMA & MELANOMA	1	1	1	2	11	5	16	6.3	12.1	0.8	0.5	0	0	2	4	28	6	34	6.5	24.5		
a. Adrenocortical	1	0	0	0	0	1	1	1.6	1.3	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	1	1	1	3	3	6	3.8	4.9	3.0	0.4	0	0	0	1	15	1	16	1.0	11.2		
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.7		
d. Melanoma	0	0	0	1	6	1	7	0.9	4.7	0.3	0.6	0	0	1	3	7	4	11	4.3	8.2		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	0	0	2	0	2	-	1.3	0.0	0.3	0	0	1	0	5	1	6	1.3	4.5		
XII OTHER & UNSPECIFIED	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
TOTAL	12	42	43	46	88	143	231	183.0	199.3	1.2	1.1	11	30	35	43	85	119	204	158.5	181.9		

† includes 11 non-malignant in males and 18 non-malignant in females ‡ includes 1 non-malignant in males

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	Age group	Males	Females
Person-years	0	46 329	42 445
	1-4	191 566	181 181
	5-9	268 753	254 707
	10-14	306 831	289 224
	15-19	344 384	323 886
Total	0-14	813 479	767 557
	0-19	1 157 863	1 091 443
Average annual population	0-14	54 232	51 170
	0-19	77 191	72 763

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