

USA, Montana, 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	9	40	28	26	30	103	133	31.1	100.0	23.6	100.0	64.5	70.5	37.2	31.3	33.3	47.9	44.6	689	855	93.2	0.0
a. Lymphoid	3	33	21	16	12	73	85	22.1	70.9	15.1	63.9	21.5	58.1	27.9	19.3	13.3	34.3	29.6	490	557	97.6	0.0
b. Acute myeloid	6	6	4	4	9	20	29	6.0	19.4	5.1	21.8	43.0	10.6	5.3	4.8	10.0	9.7	9.7	135	185	93.1	0.0
c. CMD	0	0	2	4	7	6	13	1.8	5.8	2.3	9.8	-	-	2.7	4.8	7.8	2.3	3.5	37	76	69.2	0.0
d. MDS & other	0	1	0	2	1	3	4	0.9	2.9	0.7	3.0	-	1.8	-	2.4	1.1	1.2	1.2	19	25	100.0	0.0
e. Unspecified	0	0	1	0	1	1	2	0.3	1.0	0.4	1.5	-	-	1.3	-	1.1	0.4	0.6	7	12	50.0	0.0
II LYMPHOMA & RELATED	1	3	8	23	51	35	86	10.6	100.0	15.2	100.0	7.2	5.3	10.6	27.7	56.5	13.7	23.3	220	503	96.5	1.2
a. Hodgkin	0	0	2	11	31	13	44	3.9	37.1	7.8	51.2	-	-	2.7	13.2	34.4	4.7	11.4	80	251	100.0	0.0
b. Non-Hodgkin except BL	0	1	6	7	13	14	27	4.2	40.0	4.8	31.4	-	1.8	8.0	8.4	14.4	5.6	7.6	89	161	100.0	0.0
c. Burkitt (BL)	0	1	0	3	6	4	10	1.2	11.4	1.8	11.6	-	1.8	-	3.6	6.7	1.6	2.7	25	58	100.0	0.0
d. Lymphoreticular	1	0	0	1	0	2	2	0.6	5.7	0.4	2.3	7.2	-	-	1.2	-	0.9	0.7	13	13	100.0	0.0
e. Unspecified	0	1	0	1	1	2	3	0.6	5.7	0.5	3.5	-	1.8	-	1.2	1.1	0.9	0.9	13	19	0.0	33.3
III CNS NEOPLASMS †	3	16	32	24	28	75	103	22.7	100.0	18.3	100.0	21.5	28.2	42.5	28.9	31.0	32.5	32.2	491	647	83.5	1.0
a. Ependymoma	0	4	4	2	3	10	13	3.0	13.3	2.3	12.6	-	7.0	5.3	2.4	3.3	4.6	4.3	67	84	100.0	0.0
b. Astrocytoma	2	9	12	15	15	38	53	11.5	50.7	9.4	51.5	14.3	15.9	15.9	18.1	16.6	16.4	16.5	248	331	84.9	0.0
c. CNS embryonal	1	3	9	2	1	15	16	4.5	20.0	2.8	15.5	7.2	5.3	12.0	2.4	1.1	6.7	5.5	100	106	93.8	6.3
d. Other gliomas	0	0	3	3	1	6	7	1.8	8.0	1.2	6.8	-	-	4.0	3.6	1.1	2.3	2.1	38	44	71.4	0.0
e. Other specified	0	0	4	2	7	6	13	1.8	8.0	2.3	12.6	-	-	5.3	2.4	7.8	2.4	3.6	39	77	61.5	0.0
f. Unspecified CNS	0	0	0	0	1	0	1	-	-	0.2	1.0	-	-	-	-	1.1	-	0.2	-	6	0.0	0.0
IV NEUROBLASTOMA	11	15	2	0	0	28	28	8.5	100.0	5.0	100.0	78.9	26.4	2.7	-	-	15.1	11.7	197	197	92.9	0.0
a. (Ganglio)neuroblastoma	11	15	2	0	0	28	28	8.5	100.0	5.0	100.0	78.9	26.4	2.7	-	-	15.1	11.7	197	197	92.9	0.0
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V RETINOBLASTOMA	3	4	0	0	0	7	7	2.1	100.0	1.2	100.0	21.5	7.0	-	-	-	3.8	3.0	49	49	85.7	0.0
VI RENAL TUMOURS	1	9	12	1	2	23	25	6.9	100.0	4.4	100.0	7.2	15.9	15.9	1.2	2.2	11.0	9.0	156	168	96.0	4.0
a. Nephroblastoma	1	9	11	1	0	22	22	6.6	95.7	3.9	88.0	7.2	15.9	14.6	1.2	-	10.5	8.2	150	150	95.5	4.5
b. Renal carcinoma	0	0	1	0	2	1	3	0.3	4.3	0.5	12.0	-	-	1.3	-	2.2	0.4	0.8	7	18	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	0	2	0	0	1	2	3	0.6	100.0	0.5	100.0	-	3.5	-	-	1.1	1.1	1.1	14	20	66.7	0.0
a. Hepatoblastoma	0	2	0	0	0	2	2	0.6	100.0	0.4	66.7	-	3.5	-	-	-	1.1	0.8	14	14	50.0	0.0
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	-	0.2	33.3	-	-	-	-	1.1	-	0.2	-	6	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	2	6	5	16	13	29	3.9	100.0	5.1	100.0	-	3.5	8.0	6.0	17.7	5.4	8.2	84	173	96.6	0.0
a. Osteosarcoma	0	1	4	3	10	8	18	2.4	61.5	3.2	62.1	-	1.8	5.3	3.6	11.1	3.3	5.1	52	107	100.0	0.0
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Ewing & related	0	1	2	2	6	5	11	1.5	38.5	2.0	37.9	-	1.8	2.7	2.4	6.7	2.1	3.1	32	66	90.9	0.0
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX SOFT TISSUE SARCOMA	5	7	4	6	14	22	36	6.6	100.0	6.4	100.0	35.8	12.3	5.3	7.2	15.5	10.4	11.5	148	225	100.0	0.0
a. Rhabdomyosarcoma	3	3	2	1	6	9	15	2.7	40.9	2.7	41.7	21.5	5.3	2.7	1.2	6.7	4.5	5.0	62	95	100.0	0.0
b. Fibrosarcoma	2	0	0	1	1	3	4	0.9	13.6	0.7	11.1	14.3	-	-	1.2	1.1	1.4	1.4	20	26	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	0	3	1	3	7	7	14	2.1	31.8	2.5	38.9	-	5.3	1.3	3.6	7.8	3.1	4.2	46	85	100.0	0.0
e. Unspecified	0	1	1	1	0	3	3	0.9	13.6	0.5	8.3	-	1.8	1.3	1.2	-	1.3	1.0	20	20	100.0	0.0
X GERM CELL TUMOURS	3	0	1	4	29	8	37	2.4	100.0	6.6	100.0	21.5	-	1.3	4.8	32.1	3.5	9.9	52	213	97.3	0.0
a. CNS germ cell	0	0	1	2	1	3	4	0.9	37.5	0.7	10.8	-	-	1.3	2.4	1.1	1.1	1.1	19	24	75.0	0.0
b. Other extragonadal	2	0	0	0	1	2	3	0.6	25.0	0.5	8.1	14.3	-	-	-	1.1	1.1	1.1	14	20	100.0	0.0
c. Gonadal germ cell	1	0	0	1	27	2	29	0.6	25.0	5.1	78.4	7.2	-	-	1.2	29.9	0.9	7.4	13	163	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified gonadal	0	0	0	1	0	1	1	0.3	12.5	0.2	2.7	-	-	-	1.2	-	0.3	0.3	6	6	100.0	0.0
XI CARCINOMA & MELANOMA	0	0	2	12	61	14	75	4.2	100.0	13.3	100.0	-	-	2.7	14.5	67.6	5.1	19.1	86	424	98.7	0.0
a. Adrenocortical	0	0	0	0	1	0	1	-	-	0.2	1.3	-	-	-	-	1.1	-	0.2	-	6	100.0	0.0
b. Thyroid	0	0	1	6	30	7	37	2.1	50.0	6.6	49.3	-	-	1.3	7.2	33.3	2.5	9.4	43	209	100.0	0.0
c. Nasopharyngeal	0	0	0	0	1	0	1	-	-	0.2	1.3	-	-	-	-	1.1	-	0.2	-	6	100.0	0.0
d. Melanoma	0	0	1	3	16	4	20	1.2	28.6	3.5	26.7	-	-	1.3	3.6	17.7	1.5	5.1	25	113	100.0	0.0
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f. Other & unspecified	0	0	0	3	13	3	16	0.9	21.4	2.8	21.3	-	-	-	3.6	14.4	1.0	4.1	18	90	93.8	0.0
XII OTHER & UNSPECIFIED	0	1	0	0	1	1	2	0.3	100.0	0.4	100.0	-	1.8	-	-	1.1	0.5	0.7	7	13	100.0	0.0
a. Other specified	0	1	0	0	0	1	1	0.3	100.0	0.2	50.0	-	1.8	-	-	-	0.5	0.4	7	7	100.0	0.0
b. Other unspecified	0	0	0	0	1	0	1	-	-	0.2	50.0	-	-	-	-	1.1	-	0.2	-	6	100.0	0.0
TOTAL	36	99	95	101	233	331	564	100.0	100.0	100.0	100.0	258.1	174.4	126.2	121.6	258.3	149.9	174.3	2194	3485	93.4	0.5

† includes 19 non-malignant

Please consult the quality indicators for this registry

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	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	6	18	16	18	19	58	77	51.1	48.8	1.3	1.4	3	22	12	8	11	45	56	44.5	40.2		
a. Lymphoid	1	15	10	10	10	36	46	32.2	29.7	1.0	1.2	2	18	11	6	2	37	39	36.6	29.4		
b. Acute myeloid	5	2	4	3	6	14	20	12.8	12.8	2.3	2.2	1	4	0	1	3	6	9	6.4	6.5		
c. CMD	0	0	1	3	2	4	6	2.9	3.2	2.0	0.9	0	0	1	1	5	2	7	1.6	3.8		
d. MDS & other	0	1	0	2	0	3	3	2.4	1.9	0	3.0	0	0	0	0	1	0	1	-	0.5		
e. Unspecified	0	0	1	0	1	1	2	0.8	1.1	-	-	0	0	0	0	0	0	0	-	-		
II LYMPHOMA & RELATED	1	1	8	12	25	22	47	17.0	25.2	1.7	1.2	0	2	0	11	26	13	39	10.2	21.3		
a. Hodgkin	0	0	2	5	10	7	17	5.1	8.7	1.2	0.6	0	0	0	6	21	6	27	4.3	14.2		
b. Non-Hodgkin except BL	0	0	6	3	9	9	18	7.0	9.8	1.8	2.0	0	1	0	4	4	5	9	4.0	5.2		
c. Burkitt (BL)	0	0	0	2	6	2	8	1.4	3.9	1.0	4.0	0	1	0	1	0	2	2	1.8	1.4		
d. Lymphoreticular	1	0	0	1	0	2	2	1.7	1.4	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	1	0	1	0	2	2	1.7	1.4	-	2.0	0	0	0	0	1	0	1	-	0.5		
III CNS NEOPLASMS †	2	11	23	18	13	54	67	45.2	41.3	2.6	1.9	1	5	9	6	15	21	36	19.0	22.5		
a. Ependymoma	0	4	4	2	2	10	12	9.0	7.9	-	12.0	0	0	0	0	1	0	1	-	0.5		
b. Astrocytoma	1	5	7	12	7	25	32	20.4	19.2	1.9	1.5	1	4	5	3	8	13	21	12.2	13.6		
c. CNS embryonal	1	2	7	2	0	12	12	10.4	8.1	4.0	3.0	0	1	2	0	1	3	4	2.9	2.8		
d. Other gliomas	0	0	2	2	1	4	5	3.0	2.8	2.0	2.5	0	0	1	1	0	2	2	1.6	1.2		
e. Other specified	0	0	3	0	3	3	6	2.5	3.4	1.0	0.9	0	0	1	2	4	3	7	2.3	3.9		
f. Unspecified CNS	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.5		
IV NEUROBLASTOMA	5	8	1	0	0	14	14	14.7	11.4	1.0	1.0	6	7	1	0	0	14	14	15.5	12.0		
a. (Ganglio)neuroblastoma	5	8	1	0	0	14	14	14.7	11.4	1.0	1.0	6	7	1	0	0	14	14	15.5	12.0		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	1	2	0	0	0	3	3	3.2	2.5	0.8	0.8	2	2	0	0	0	4	4	4.5	3.5		
VI RENAL TUMOURS	0	4	7	1	1	12	13	10.8	8.8	1.1	1.1	1	5	5	0	1	11	12	11.2	9.2		
a. Nephroblastoma	0	4	6	1	0	11	11	9.9	7.7	1.0	1.0	1	5	5	0	0	11	11	11.2	8.7		
b. Renal carcinoma	0	0	1	0	1	1	2	0.8	1.1	-	2.0	0	0	0	0	1	0	1	-	0.5		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	0	1	0	0	1	1	2	1.1	1.3	1.0	2.0	0	1	0	0	0	1	1	1.1	0.9		
a. Hepatoblastoma	0	1	0	0	0	1	1	1.1	0.8	1.0	1.0	0	1	0	0	0	1	1	1.1	0.9		
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	0.5	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	0	1	2	8	3	11	2.2	5.6	0.3	0.6	0	2	5	3	8	10	18	8.8	11.0		
a. Osteosarcoma	0	0	1	6	1	7	7	0.7	3.4	0.1	0.6	0	1	4	2	4	7	11	6.1	6.8		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	0	1	1	2	2	4	1.5	2.1	0.7	0.6	0	1	1	1	4	3	7	2.7	4.2		
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	0	-	-		
IX SOFT TISSUE SARCOMA	2	5	2	0	11	9	20	9.1	12.4	0.7	1.3	3	2	2	6	3	13	16	11.7	10.6		
a. Rhabdomyosarcoma	1	3	2	0	5	6	11	5.9	7.0	2.0	2.8	2	0	0	1	1	3	4	3.0	2.8		
b. Fibrosarcoma	1	0	0	0	0	1	1	1.1	0.8	0.5	0.3	1	0	0	1	1	2	3	1.8	1.9		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	1	0	0	6	1	7	1.1	3.7	0.2	1.0	0	2	1	3	1	6	7	5.3	4.6		
e. Unspecified	0	1	0	0	0	1	1	1.1	0.8	0.5	0.5	0	0	1	1	0	2	2	1.6	1.2		
X GERM CELL TUMOURS	0	0	1	0	24	1	25	0.8	12.2	0.1	2.1	3	0	0	4	5	7	12	6.3	7.4		
a. CNS germ cell	0	0	1	0	0	1	1	0.8	0.6	0.5	0.3	0	0	0	2	1	2	3	1.4	1.6		
b. Other extragonadal	0	0	0	0	1	0	1	-	0.5	0.0	0.5	2	0	0	0	0	2	2	2.3	1.7		
c. Gonadal germ cell	0	0	0	0	23	0	23	-	11.1	0.0	3.8	1	0	0	1	4	2	6	1.8	3.5		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.7	0.6		
XI CARCINOMA & MELANOMA	0	0	1	3	25	4	29	2.9	14.3	0.4	0.6	0	0	1	9	36	10	46	7.4	24.3		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.5		
b. Thyroid	0	0	0	1	6	1	7	0.7	3.4	0.2	0.2	0	0	1	5	24	6	30	4.5	15.9		
c. Nasopharyngeal	0	0	0	0	1	0	1	-	0.5	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	0	0	1	2	10	3	13	2.2	6.5	3.0	1.9	0	0	0	1	6	1	7	0.7	3.7		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	0	0	8	0	8	-	3.9	0.0	1.0	0	0	0	3	5	3	8	2.2	4.3		
XII OTHER & UNSPECIFIED	0	0	0	0	1	0	1	-	0.5	0.0	1.0	0	1	0	0	0	1	1	1.1	0.9		
a. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	1.1	0.9		
b. Other unspecified	0	0	0	0	1	0	1	-	0.5	-	-	0	0	0	0	0	0	0	-	-		
TOTAL	17	50	60	54	128	181	309	158.0	184.2	1.2	1.2	19	49	35	47	105	150	255	141.4	163.8		

† includes 11 non-malignant in males and 8 non-malignant in females

Please consult the quality indicators for this registry

USA, Montana, NH White (1998-2012)

	Age group	Males	Females
Person-years	0	71 547	67 925
	1-4	292 369	275 377
	5-9	386 490	366 329
	10-14	427 703	402 686
	15-19	466 296	435 911
Total	0-14	1 178 109	1 112 317
	0-19	1 644 405	1 548 228
Average annual population	0-14	78 541	74 154
	0-19	109 627	103 215

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