

USA, Montana (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	0-19
I LEUKAEMIA	12	54	34	30	35	130	165	31.3	100.0	24.3	100.0	69.4	77.8	37.7	30.7	33.3	50.6	46.7	723	889	92.7	1.2	
a. Lymphoid	4	43	26	19	15	92	107	22.2	70.8	15.8	64.8	23.1	61.9	28.9	19.5	14.3	35.9	31.1	513	584	97.2	0.9	
b. Acute myeloid	8	8	5	5	10	26	36	6.3	20.0	5.3	21.8	46.2	11.5	5.6	5.1	9.5	10.4	10.2	146	193	91.7	0.0	
c. CMD	0	1	2	4	7	7	14	1.7	5.4	2.1	8.5	-	1.4	2.2	4.1	6.7	2.4	3.3	37	71	71.4	0.0	
d. MDS & other	0	2	0	2	1	4	5	1.0	3.1	0.7	3.0	-	2.9	-	2.0	1.0	1.5	1.4	22	27	100.0	0.0	
e. Unspecified	0	0	1	0	2	1	3	0.2	0.8	0.4	1.8	-	-	1.1	-	1.9	0.4	0.7	6	15	33.3	33.3	
II LYMPHOMA & RELATED	1	4	11	26	54	42	96	10.1	100.0	14.2	100.0	5.8	5.8	12.2	26.6	51.4	13.9	22.3	223	480	96.9	1.0	
a. Hodgkin	0	0	4	11	34	15	49	3.6	35.7	7.2	51.0	-	-	4.4	11.3	32.3	4.7	10.9	79	240	100.0	0.0	
b. Non-Hodgkin except BL	0	2	7	10	13	19	32	4.6	45.2	4.7	33.3	-	2.9	7.8	10.2	12.4	6.4	7.7	102	163	100.0	0.0	
c. Burkitt (BL)	0	1	0	3	6	4	10	1.0	9.5	1.5	10.4	-	1.4	-	3.1	5.7	1.3	2.3	21	50	100.0	0.0	
d. Lymphoreticular	1	0	0	1	0	2	2	0.5	4.8	0.3	2.1	5.8	-	-	1.0	-	0.7	0.6	11	11	100.0	0.0	
e. Unspecified	0	1	0	1	1	2	3	0.5	4.8	0.4	3.1	-	1.4	-	1.0	1.0	0.7	0.8	11	16	0.0	33.3	
III CNS NEOPLASMS †	6	24	37	31	30	98	128	23.6	100.0	18.9	100.0	34.7	34.6	41.1	31.8	28.5	35.9	34.2	537	680	82.8	1.6	
a. Ependymoma	0	6	5	2	3	13	16	3.1	13.3	2.4	12.5	-	8.6	5.6	2.0	2.9	5.1	4.6	73	87	100.0	0.0	
b. Astrocytoma	3	10	12	18	16	43	59	10.4	43.9	8.7	46.1	17.3	14.4	13.3	18.4	15.2	15.5	15.4	234	310	86.4	0.0	
c. CNS embryonal	2	5	11	5	1	23	24	5.5	23.5	3.5	18.8	11.6	7.2	12.2	5.1	1.0	8.6	6.8	127	132	91.7	8.3	
d. Other gliomas	0	1	5	3	1	9	10	2.2	9.2	1.5	7.8	-	1.4	5.6	3.1	1.0	3.1	2.6	49	54	50.0	0.0	
e. Other specified	1	1	4	3	8	9	17	2.2	9.2	2.5	13.3	5.8	1.4	4.4	3.1	7.6	3.2	4.2	49	87	70.6	0.0	
f. Unspecified CNS	0	1	0	0	1	1	2	0.2	1.0	0.3	1.6	-	1.4	-	-	1.0	0.4	0.6	6	11	0.0	0.0	
IV NEUROBLASTOMA	12	19	2	0	0	33	33	8.0	100.0	4.9	100.0	69.4	27.4	2.2	-	-	14.6	11.3	190	190	90.9	0.0	
a. (Ganglio)neuroblastoma	12	19	2	0	0	33	33	8.0	100.0	4.9	100.0	69.4	27.4	2.2	-	-	14.6	11.3	190	190	90.9	0.0	
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V RETINOBLASTOMA	5	4	0	0	0	9	9	2.2	100.0	1.3	100.0	28.9	5.8	-	-	-	4.0	3.1	52	52	88.9	0.0	
VI RENAL TUMOURS	2	11	14	1	3	28	31	6.7	100.0	4.6	100.0	11.6	15.8	15.5	1.0	2.9	11.1	9.3	158	172	96.8	3.2	
a. Nephroblastoma	2	11	13	1	0	27	27	6.5	96.4	4.0	87.1	11.6	15.8	14.4	1.0	-	10.8	8.3	152	152	96.3	3.7	
b. Renal carcinoma	0	0	1	0	3	1	4	0.2	3.6	0.6	12.9	-	-	1.1	-	2.9	0.4	0.9	6	20	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VII HEPATIC TUMOURS	0	3	0	1	1	4	5	1.0	100.0	0.7	100.0	-	4.3	-	1.0	1.0	1.6	1.5	22	27	80.0	0.0	
a. Hepatoblastoma	0	3	0	0	0	3	3	0.7	75.0	0.4	60.0	-	4.3	-	-	-	1.3	1.0	17	17	66.7	0.0	
b. Hepatic carcinoma	0	0	0	1	1	1	2	0.2	25.0	0.3	40.0	-	-	-	1.0	1.0	0.3	0.4	5	10	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIII BONE TUMOURS	0	2	6	9	21	17	38	4.1	100.0	5.6	100.0	-	2.9	6.7	9.2	20.0	5.7	8.9	91	191	97.4	0.0	
a. Osteosarcoma	0	1	4	6	13	11	24	2.7	64.7	3.5	63.2	-	1.4	4.4	6.1	12.4	3.7	5.6	59	121	100.0	0.0	
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c. Ewing & related	0	1	2	3	8	6	14	1.4	35.3	2.1	36.8	-	1.4	2.2	3.1	7.6	2.1	3.3	32	70	92.9	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	8	5	7	16	25	41	6.0	100.0	6.0	100.0	28.9	11.5	5.6	7.2	15.2	9.7	10.9	139	215	100.0	0.0	
a. Rhabdomyosarcoma	3	3	3	1	6	10	16	2.4	40.0	2.4	39.0	17.3	4.3	3.3	1.0	5.7	4.0	4.4	56	85	100.0	0.0	
b. Fibrosarcoma	2	0	0	1	1	3	4	0.7	12.0	0.6	9.8	11.6	-	-	1.0	1.0	1.2	1.1	17	21	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	0	4	1	4	8	9	17	2.2	36.0	2.5	41.5	-	5.8	1.1	4.1	7.6	3.3	4.3	49	87	100.0	0.0	
e. Unspecified	0	1	1	1	1	3	4	0.7	12.0	0.6	9.8	-	1.4	1.1	1.0	1.0	1.1	1.1	16	21	100.0	0.0	
X GERM CELL TUMOURS	3	0	2	4	29	9	38	2.2	100.0	5.6	100.0	17.3	-	2.2	4.1	27.6	3.2	8.7	49	187	97.4	0.0	
a. CNS germ cell	0	0	1	2	1	3	4	0.7	33.3	0.6	10.5	-	-	1.1	2.0	1.0	1.0	1.0	16	21	75.0	0.0	
b. Other extragonadal	2	0	0	0	1	2	3	0.5	22.2	0.4	7.9	11.6	-	-	-	1.0	0.9	0.9	12	16	100.0	0.0	
c. Gonadal germ cell	1	0	1	1	27	3	30	0.7	33.3	4.4	78.9	5.8	-	1.1	1.0	25.7	1.1	6.6	16	145	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified gonadal	0	0	0	1	0	1	1	0.2	11.1	0.1	2.6	-	-	-	1.0	-	0.3	0.2	5	5	100.0	0.0	
XI CARCINOMA & MELANOMA	0	0	3	14	72	17	89	4.1	100.0	13.1	100.0	-	-	3.3	14.3	68.5	5.2	19.5	88	431	98.9	0.0	
a. Adrenocortical	0	0	0	0	1	0	1	-	-	0.1	1.1	-	-	-	-	1.0	-	0.2	-	5	5	100.0	0.0
b. Thyroid	0	0	1	7	37	8	45	1.9	47.1	6.6	50.6	-	-	1.1	7.2	35.2	2.4	9.8	41	217	100.0	0.0	
c. Nasopharyngeal	0	0	0	1	1	1	2	0.2	5.9	0.3	2.2	-	-	-	1.0	1.0	0.3	0.4	5	10	100.0	0.0	
d. Melanoma	0	0	1	3	18	4	22	1.0	23.5	3.2	24.7	-	-	1.1	3.1	17.1	1.3	4.8	21	107	100.0	0.0	
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Other & unspecified	0	0	1	3	15	4	19	1.0	23.5	2.8	21.3	-	-	1.1	3.1	14.3	1.3	4.2	21	92	94.7	0.0	
XII OTHER & UNSPECIFIED	0	2	1	0	2	3	5	0.7	100.0	0.7	100.0	-	2.9	1.1	-	1.9	1.3	1.4	17	27	80.0	0.0	
a. Other specified	0	2	0	0	0	2	2	0.5	66.7	0.3	40.0	-	2.9	-	-	-	0.9	0.7	12	12	100.0	0.0	
b. Other unspecified	0	0	1	0	2	1	3	0.2	33.3	0.4	60.0	-	-	1.1	-	1.9	0.4	0.7	6	15	66.7	0.0	
TOTAL	46	131	115	123	263	415	678	100.0	100.0	100.0	100.0	265.9	188.7	127.7	126.0	250.1	156.8	177.8	2289	3539	93.1	0.9	

† includes 23 non-malignant

Please consult the quality indicators for this registry

USA, Montana (1998-2012)

	Males										M/F ratio		Females									
	Number of cases in age groups										0-14	0-19	Number of cases in age groups									
	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	25	20	20	20	74	94	55.1	51.0	1.3	1.3	3	29	14	10	15	56	71	45.7	42.1		
a. Lymphoid	2	20	13	12	11	47	58	35.2	31.8	1.0	1.2	2	23	13	7	4	45	49	36.7	30.3		
b. Acute myeloid	7	3	5	3	6	18	24	13.9	13.3	2.3	2.0	1	5	0	2	4	8	12	6.7	7.0		
c. CMD	0	0	1	3	2	4	6	2.4	2.7	1.3	0.8	0	1	1	1	5	3	8	2.3	4.0		
d. MDS & other	0	2	0	2	0	4	4	2.9	2.2	-	4.0	0	0	0	0	1	0	1	-	0.4		
e. Unspecified	0	0	1	0	1	1	2	0.7	1.0	-	2.0	0	0	0	0	1	0	1	-	0.4		
II LYMPHOMA & RELATED	1	1	9	14	26	25	51	16.1	23.2	1.5	1.1	0	3	2	12	28	17	45	11.6	21.4		
a. Hodgkin	0	0	2	5	11	7	18	4.3	7.9	0.9	0.6	0	0	2	6	23	8	31	5.1	14.2		
b. Non-Hodgkin except BL	0	0	7	5	9	12	21	7.8	9.7	1.7	1.9	0	2	0	5	4	7	11	4.9	5.6		
c. Burkitt (BL)	0	0	0	2	6	2	8	1.2	3.4	1.0	4.0	0	1	0	1	0	2	2	1.5	1.2		
d. Lymphoreticular	1	0	0	1	0	2	2	1.4	1.1	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	1	0	1	0	2	2	1.4	1.1	-	2.0	0	0	0	0	1	0	1	-	0.4		
III CNS NEOPLASMS †	4	17	24	23	14	68	82	48.3	43.2	2.3	1.8	2	7	13	8	16	30	46	22.7	24.7		
a. Ependymoma	0	5	5	2	2	12	14	9.0	7.8	12.0	7.0	0	1	0	0	1	1	2	0.9	1.2		
b. Astrocytoma	2	6	7	14	8	29	37	19.9	18.8	2.1	1.7	1	4	5	4	8	14	22	10.7	11.8		
c. CNS embryonal	1	3	7	5	0	16	16	11.3	8.7	2.3	2.0	1	2	4	0	1	7	8	5.7	4.9		
d. Other gliomas	0	1	2	2	1	5	6	3.4	3.1	1.3	1.5	0	0	3	1	0	4	4	2.8	2.2		
e. Other specified	1	1	3	0	3	5	8	3.8	4.2	1.3	0.9	0	0	1	3	5	4	9	2.6	4.2		
f. Unspecified CNS	0	1	0	0	0	1	1	0.9	0.7	-	1.0	0	0	0	0	1	0	1	-	0.4		
IV NEUROBLASTOMA	5	10	1	0	0	16	16	13.8	10.7	0.9	0.9	7	9	1	0	0	17	17	15.4	11.9		
a. (Ganglio)neuroblastoma	5	10	1	0	0	16	16	13.8	10.7	0.9	0.9	7	9	1	0	0	17	17	15.4	11.9		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	2	2	0	0	0	4	4	3.5	2.7	0.8	0.8	3	2	0	0	0	5	5	4.6	3.6		
VI RENAL TUMOURS	0	5	7	1	2	13	15	9.8	8.4	0.9	0.9	2	6	7	0	1	15	16	12.5	10.1		
a. Nephroblastoma	0	5	6	1	0	12	12	9.1	7.1	0.8	0.8	2	6	7	0	0	15	15	12.5	9.7		
b. Renal carcinoma	0	0	1	0	2	1	3	0.7	1.4	-	3.0	0	0	0	0	1	0	1	-	0.4		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	0	1	0	1	1	2	3	1.4	1.5	1.0	1.5	0	2	0	0	0	2	2	1.8	1.4		
a. Hepatoblastoma	0	1	0	0	0	1	1	0.9	0.7	0.5	0.5	0	2	0	0	0	2	2	1.8	1.4		
b. Hepatic carcinoma	0	0	0	1	1	1	2	0.6	0.9	-	-	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	4	11	5	16	3.0	6.9	0.4	0.7	0	2	5	5	10	12	22	8.6	11.1		
a. Osteosarcoma	0	0	0	3	8	3	11	1.7	4.6	0.4	0.8	0	1	4	3	5	8	13	5.7	6.6		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	0	1	1	3	2	5	1.3	2.2	0.5	0.6	0	1	1	2	5	4	9	2.9	4.4		
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	12	9	21	7.5	10.8	0.6	1.1	3	3	3	7	4	16	20	12.0	11.1		
a. Rhabdomyosarcoma	1	3	2	0	5	6	11	4.9	5.8	1.5	2.2	2	0	1	1	1	4	5	3.2	2.9		
b. Fibrosarcoma	1	0	0	0	0	1	1	0.9	0.7	0.5	0.3	1	0	0	1	1	2	3	1.5	1.6		
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	0.9	3.2	0.1	0.7	0	3	1	4	2	8	10	5.9	5.5		
e. Unspecified	0	1	0	0	1	1	2	0.9	1.1	0.5	1.0	0	0	1	1	0	2	2	1.3	1.0		
X GERM CELL TUMOURS	0	0	1	0	24	1	25	0.7	10.5	0.1	1.9	3	0	1	4	5	8	13	5.9	6.8		
a. CNS germ cell	0	0	1	0	0	1	1	0.7	0.5	0.5	0.3	0	0	0	2	1	2	3	1.2	1.4		
b. Other extragonadal	0	0	0	0	1	0	1	-	0.4	0.0	0.5	2	0	0	0	0	2	2	1.8	1.4		
c. Gonadal germ cell	0	0	0	0	23	0	23	-	9.5	0.0	3.3	1	0	1	1	4	3	7	2.3	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	0.6	0.5		
XI CARCINOMA & MELANOMA	0	0	2	5	28	7	35	4.3	14.9	0.7	0.6	0	0	1	9	44	10	54	6.3	24.4		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.4		
b. Thyroid	0	0	0	2	7	2	9	1.2	3.8	0.3	0.3	0	0	1	5	30	6	36	3.8	16.3		
c. Nasopharyngeal	0	0	0	1	1	1	2	0.6	0.9	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	0	0	1	2	12	3	15	1.9	6.4	3.0	2.1	0	0	0	1	6	1	7	0.6	3.1		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	1	0	8	1	9	0.7	3.8	0.3	0.9	0	0	0	3	7	3	10	1.8	4.5		
XII OTHER & UNSPECIFIED	0	0	1	0	2	1	3	0.7	1.4	0.5	1.5	0	2	0	0	0	2	2	1.8	1.4		
a. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	2	0	0	0	2	2	1.8	1.4		
b. Other unspecified	0	0	1	0	2	1	3	0.7	1.4	-	-	0	0	0	0	0	0	0	-	-		
TOTAL	23	66	68	68	140	225	365	164.3	185.2	1.2	1.2	23	65	47	55	123	190	313	148.9	170.0		

† includes 13 non-malignant in males and 10 non-malignant in females

Please consult the quality indicators for this registry

USA, Montana (1998-2012)

	Age group	Males	Females
Person-years	0	88 344	84 647
	1-4	356 489	337 824
	5-9	461 719	439 129
	10-14	502 381	473 611
	15-19	544 432	507 085
Total	0-14	1 408 933	1 335 211
	0-19	1 953 365	1 842 296
Average annual population	0-14	93 929	89 014
	0-19	130 224	122 820

Please consult the quality indicators for this registry