

USA, South Dakota (2001-2012)

	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	7	37	19	14	21	77	98	30.0	100.0	24.3	100.0	51.7	69.7	29.4	21.0	29.2	41.2	38.5	582	729	92.9	1.0
a. Lymphoid	2	34	14	7	13	57	70	22.2	74.0	17.3	71.4	14.8	64.1	21.7	10.5	18.1	31.0	28.1	431	522	94.3	1.4
b. Acute myeloid	0	2	5	7	4	14	18	5.4	18.2	4.5	18.4	-	3.8	7.7	10.5	5.6	6.7	6.5	106	134	94.4	0.0
c. CMD	2	0	0	0	1	2	3	0.8	2.6	0.7	3.1	14.8	-	-	-	1.4	1.2	1.2	15	22	66.7	0.0
d. MDS & other	3	1	0	0	2	4	6	1.6	5.2	1.5	6.1	22.2	1.9	-	-	2.8	2.3	2.4	30	44	83.3	0.0
e. Unspecified	0	0	0	0	1	0	1	-	-	0.2	1.0	-	-	-	-	1.4	-	0.3	-	7	100.0	0.0
II LYMPHOMA & RELATED	0	6	14	14	35	34	69	13.2	100.0	17.1	100.0	-	11.3	21.7	21.0	48.7	16.6	23.8	259	502	98.6	0.0
a. Hodgkin	0	0	3	7	26	10	36	3.9	29.4	8.9	52.2	-	-	4.6	10.5	36.2	4.6	11.7	76	257	100.0	0.0
b. Non-Hodgkin except BL	0	3	11	4	7	18	25	7.0	52.9	6.2	36.2	-	5.7	17.0	6.0	9.7	9.0	9.2	138	186	96.0	0.0
c. Burkitt (BL)	0	1	0	3	2	4	6	1.6	11.8	1.5	8.7	-	1.9	-	4.5	2.8	1.9	2.1	30	44	100.0	0.0
d. Lymphoreticular	0	2	0	0	0	2	2	0.8	5.9	0.5	2.9	-	3.8	-	-	-	1.2	0.9	15	15	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III CNS NEOPLASMS †	3	17	24	20	22	64	86	24.9	100.0	21.3	100.0	22.2	32.0	37.1	30.1	30.6	32.3	31.9	486	639	69.8	2.3
a. Ependymoma	0	2	0	0	1	2	3	0.8	3.1	0.7	3.5	-	3.8	-	-	1.4	1.2	1.2	15	22	33.3	33.3
b. Astrocytoma	1	10	10	11	10	32	42	12.5	50.0	10.4	48.8	7.4	18.8	15.5	16.5	13.9	16.2	15.7	243	312	83.3	0.0
c. CNS embryonal	2	2	6	0	1	10	11	3.9	15.6	2.7	12.8	14.8	3.8	9.3	-	1.4	5.3	4.4	76	83	100.0	0.0
d. Other gliomas	0	2	6	2	1	10	11	3.9	15.6	2.7	12.8	-	3.8	9.3	3.0	1.4	5.0	4.2	76	83	27.3	9.1
e. Other specified	0	1	2	5	7	8	15	3.1	12.5	3.7	17.4	-	1.9	3.1	7.5	9.7	3.8	5.1	61	109	66.7	0.0
f. Unspecified CNS	0	0	0	2	2	2	4	0.8	3.1	1.0	4.7	-	-	-	3.0	2.8	0.9	1.3	15	29	0.0	0.0
IV NEUROBLASTOMA	7	7	1	0	0	15	15	5.8	100.0	3.7	100.0	51.7	13.2	1.5	-	-	8.6	6.7	113	113	100.0	0.0
a. (Ganglio)neuroblastoma	7	7	1	0	0	15	15	5.8	100.0	3.7	100.0	51.7	13.2	1.5	-	-	8.6	6.7	113	113	100.0	0.0
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V RETINOBLASTOMA	3	1	0	0	0	4	4	1.6	100.0	1.0	100.0	22.2	1.9	-	-	-	2.3	1.8	30	30	50.0	25.0
VI RENAL TUMOURS	1	10	1	0	4	12	16	4.7	100.0	4.0	100.0	7.4	18.8	1.5	-	5.6	6.9	6.6	90	118	93.8	6.3
a. Nephroblastoma	1	10	1	0	1	12	13	4.7	100.0	3.2	81.3	7.4	18.8	1.5	-	1.4	6.9	5.7	90	97	92.3	7.7
b. Renal carcinoma	0	0	0	0	3	0	3	-	-	0.7	18.8	-	-	-	-	4.2	-	0.9	-	21	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	1	1	0	1	1	3	4	1.2	100.0	1.0	100.0	7.4	1.9	-	1.5	1.4	1.6	1.6	23	29	50.0	25.0
a. Hepatoblastoma	1	1	0	0	0	2	2	0.8	66.7	0.5	50.0	7.4	1.9	-	-	-	1.2	0.9	15	15	50.0	0.0
b. Hepatic carcinoma	0	0	0	1	1	1	2	0.4	33.3	0.5	50.0	-	-	-	1.5	1.4	0.4	0.7	8	14	50.0	50.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	0	4	7	10	11	21	4.3	100.0	5.2	100.0	-	-	6.2	10.5	13.9	5.1	7.0	84	153	85.7	0.0
a. Osteosarcoma	0	0	3	4	5	7	12	2.7	63.6	3.0	57.1	-	-	4.6	6.0	7.0	3.2	4.1	53	88	91.7	0.0
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Ewing & related	0	0	1	3	3	4	7	1.6	36.4	1.7	33.3	-	-	1.5	4.5	4.2	1.8	2.3	30	51	85.7	0.0
d. Other specified	0	0	0	0	1	0	1	-	-	0.2	4.8	-	-	-	-	1.4	-	0.3	-	7	100.0	0.0
e. Unspecified	0	0	0	0	1	0	1	-	-	0.2	4.8	-	-	-	-	1.4	-	0.3	-	7	0.0	0.0
IX SOFT TISSUE SARCOMA	3	5	3	3	8	14	22	5.4	100.0	5.4	100.0	22.2	9.4	4.6	4.5	11.1	7.5	8.3	106	161	90.9	0.0
a. Rhabdomyosarcoma	1	4	0	2	1	7	8	2.7	50.0	2.0	36.4	7.4	7.5	-	3.0	1.4	3.8	3.2	53	60	87.5	0.0
b. Fibrosarcoma	0	0	0	0	1	0	1	-	-	0.2	4.5	-	-	-	-	1.4	-	0.3	-	7	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	2	1	3	0	6	6	12	2.3	42.9	3.0	54.5	14.8	1.9	4.6	-	8.3	3.2	4.4	46	87	91.7	0.0
e. Unspecified	0	0	0	1	0	1	1	0.4	7.1	0.2	4.5	-	-	-	1.5	-	0.4	0.3	8	8	100.0	0.0
X GERM CELL TUMOURS	3	0	2	6	21	11	32	4.3	100.0	7.9	100.0	22.2	-	3.1	9.0	29.2	5.4	10.7	83	229	100.0	0.0
a. CNS germ cell	0	0	2	3	3	5	8	1.9	45.5	2.0	25.0	-	-	3.1	4.5	4.2	2.3	2.7	38	59	100.0	0.0
b. Other extragonadal	2	0	0	0	1	2	3	0.8	18.2	0.7	9.4	14.8	-	-	-	1.4	1.2	1.2	15	22	100.0	0.0
c. Gonadal germ cell	1	0	0	3	16	4	20	1.6	36.4	5.0	62.5	7.4	-	-	4.5	22.3	1.9	6.5	30	141	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	-	0.2	3.1	-	-	-	-	1.4	-	0.3	-	7	100.0	0.0
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI CARCINOMA & MELANOMA	2	0	2	7	25	11	36	4.3	100.0	8.9	100.0	14.8	-	3.1	10.5	34.8	5.2	11.9	83	257	100.0	0.0
a. Adrenocortical	1	0	1	0	0	2	2	0.8	18.2	0.5	5.6	7.4	-	1.5	-	-	1.1	0.8	15	15	100.0	0.0
b. Thyroid	0	0	0	4	10	4	14	1.6	36.4	3.5	38.9	-	-	-	6.0	13.9	1.7	4.5	30	100	100.0	0.0
c. Nasopharyngeal	0	0	0	0	1	0	1	-	-	0.2	2.8	-	-	-	-	1.4	-	0.3	-	7	100.0	0.0
d. Melanoma	1	0	1	2	7	4	11	1.6	36.4	2.7	30.6	7.4	-	1.5	3.0	9.7	2.0	3.7	30	79	100.0	0.0
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f. Other & unspecified	0	0	0	1	7	1	8	0.4	9.1	2.0	22.2	-	-	-	1.5	9.7	0.4	2.5	8	56	100.0	0.0
XII OTHER & UNSPECIFIED	1	0	0	0	0	1	1	0.4	100.0	0.2	100.0	7.4	-	-	-	-	0.6	0.5	8	8	0.0	100.0
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Other unspecified	1	0	0	0	0	1	1	0.4	100.0	0.2	100.0	7.4	-	-	-	-	0.6	0.5	8	8	0.0	100.0
TOTAL	31	84	70	72	147	257	404	100.0	100.0	100.0	100.0	228.9	158.3	108.3	108.2	204.5	133.2	149.2	1946	2968	88.9	1.7

† includes 19 non-malignant

Please consult the quality indicators for this registry

USA, South Dakota (2001-2012)

	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	3	24	12	10	15	49	64	50.9	48.5	1.8	1.9	4	13	7	4	6	28	34	31.0	27.9		
a. Lymphoid	1	21	8	4	10	34	44	36.2	34.1	1.5	1.7	1	13	6	3	3	23	26	25.5	21.7		
b. Acute myeloid	0	2	4	6	2	12	14	11.3	9.9	6.0	3.5	0	0	1	1	2	4	1.9	2.8			
c. CMD	1	0	0	0	1	1	2	1.1	1.5	1.0	2.0	1	0	0	0	0	1	1	1.2	0.9		
d. MDS & other	1	1	0	0	1	2	3	2.3	2.4	1.0	1.0	2	0	0	0	1	2	3	2.4	2.5		
e. Unspecified	0	0	0	0	1	0	1	-	0.6	-	-	0	0	0	0	0	0	0	-	-		
II LYMPHOMA & RELATED	0	4	11	10	15	25	40	23.7	27.5	2.8	1.4	0	2	3	4	20	9	29	9.0	19.9		
a. Hodgkin	0	0	3	4	10	7	17	6.3	11.0	2.3	0.9	0	0	0	3	16	3	19	2.7	12.4		
b. Non-Hodgkin except BL	0	2	8	3	4	13	17	12.6	12.2	2.6	2.1	0	1	3	1	3	5	8	5.2	5.9		
c. Burkitt (BL)	0	1	0	3	1	4	5	3.7	3.5	-	5.0	0	0	0	0	1	0	1	-	0.6		
d. Lymphoreticular	0	1	0	0	0	1	1	1.1	0.9	1.0	1.0	0	1	0	0	0	1	1	1.2	0.9		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
III CNS NEOPLASMS †	1	10	17	11	9	39	48	38.4	35.2	1.6	1.3	2	7	7	9	13	25	38	25.9	28.5		
a. Ependymoma	0	0	0	0	1	0	1	-	0.6	0.0	0.5	0	2	0	0	0	2	2	2.4	1.8		
b. Astrocytoma	0	8	7	5	5	20	25	20.1	18.7	1.7	1.5	1	2	3	6	5	12	17	12.0	12.5		
c. CNS embryonal	1	0	4	0	0	5	5	5.0	3.9	1.0	0.8	1	2	2	0	1	5	6	5.6	5.0		
d. Other gliomas	0	1	6	1	0	8	8	7.8	6.1	4.0	2.7	0	1	0	1	1	2	3	2.1	2.3		
e. Other specified	0	1	0	4	3	5	8	4.5	5.3	1.7	1.1	0	0	2	1	4	3	7	2.9	4.9		
f. Unspecified CNS	0	0	0	1	0	1	1	0.9	0.7	1.0	0.3	0	0	0	1	2	1	3	0.9	2.0		
IV NEUROBLASTOMA	3	4	0	0	0	7	7	8.0	6.2	0.9	0.9	4	3	1	0	0	8	8	9.3	7.2		
a. (Ganglio)neuroblastoma	3	4	0	0	0	7	7	8.0	6.2	0.9	0.9	4	3	1	0	0	8	8	9.3	7.2		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	1	0	0	0	0	1	1	1.1	0.9	0.3	0.3	2	1	0	0	0	3	3	3.6	2.8		
VI RENAL TUMOURS	0	7	1	0	2	8	10	8.9	8.1	2.0	1.7	1	3	0	0	2	4	6	4.8	5.0		
a. Nephroblastoma	0	7	1	0	1	8	9	8.9	7.5	2.0	2.3	1	3	0	0	0	4	4	4.8	3.7		
b. Renal carcinoma	0	0	0	0	1	0	1	-	0.6	-	0.5	0	0	0	0	2	0	2	-	1.3		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	0	1	0	0	0	1	1	1.1	0.9	0.5	0.3	1	0	0	1	1	2	3	2.1	2.3		
a. Hepatoblastoma	0	1	0	0	0	1	1	1.1	0.9	1.0	1.0	1	0	0	0	0	1	1	1.2	0.9		
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	2	0.9	1.3			
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	0	3	1	8	4	12	3.8	7.8	0.6	1.3	0	0	1	6	2	7	9	6.4	6.3		
a. Osteosarcoma	0	0	2	1	4	3	7	2.8	4.6	0.8	1.4	0	0	1	3	1	4	5	3.7	3.5		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	0	1	0	3	1	4	1.0	2.6	0.3	1.3	0	0	0	3	0	3	3	2.7	2.1		
d. Other specified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.6		
e. Unspecified	0	0	0	0	1	0	1	-	0.6	-	-	0	0	0	0	0	0	0	-	-		
IX SOFT TISSUE SARCOMA	0	2	3	2	7	7	14	6.9	9.6	1.0	1.8	3	3	0	1	1	7	8	8.0	6.9		
a. Rhabdomyosarcoma	0	2	0	2	0	4	4	4.0	3.1	1.3	1.0	1	2	0	0	1	3	4	3.6	3.4		
b. Fibrosarcoma	0	0	0	0	1	0	1	-	0.6	-	-	0	0	0	0	0	0	0	-	-		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	0	3	0	6	3	9	2.9	5.9	1.0	3.0	2	1	0	0	0	3	3	3.6	2.8		
e. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.9	0.7		
X GERM CELL TUMOURS	3	0	1	4	18	8	26	7.8	17.0	2.7	4.3	0	0	1	2	3	3	6	2.8	4.1		
a. CNS germ cell	0	0	1	3	2	4	6	3.5	3.9	4.0	3.0	0	0	1	0	1	1	2	1.0	1.4		
b. Other extragonadal	2	0	0	0	1	2	3	2.3	2.4	-	-	0	0	0	0	0	0	0	-	-		
c. Gonadal germ cell	1	0	0	1	15	2	17	2.0	10.7	1.0	5.7	0	0	0	2	1	2	3	1.8	2.0		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.6		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
XI CARCINOMA & MELANOMA	0	0	0	4	10	4	14	3.4	8.7	0.6	0.6	2	0	2	3	15	7	22	7.1	15.2		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	1	0	1	0	0	2	2	2.2	1.7		
b. Thyroid	0	0	0	2	1	2	3	1.7	1.9	1.0	0.3	0	0	0	2	9	2	11	1.8	7.2		
c. Nasopharyngeal	0	0	0	0	1	0	1	-	0.6	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	0	0	0	1	2	1	3	0.9	1.9	0.3	0.4	1	0	1	1	5	3	8	3.1	5.6		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	0	1	6	1	7	0.9	4.3	-	7.0	0	0	0	0	1	0	1	-	0.6		
XII OTHER & UNSPECIFIED	1	0	0	0	0	1	1	1.1	0.9	-	-	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	1	0	0	0	0	1	1	1.1	0.9	-	-	0	0	0	0	0	0	0	-	-		
TOTAL	12	52	48	42	84	154	238	155.1	171.3	1.5	1.4	19	32	22	30	63	103	166	110.1	126.0		

† includes 10 non-malignant in males and 9 non-malignant in females

Please consult the quality indicators for this registry

USA, South Dakota (2001-2012)

	Age group	Males	Females
Person-years	0	69 355	66 079
	1-4	271 207	259 587
	5-9	332 147	314 103
	10-14	341 027	324 164
	15-19	370 099	348 663
Total	0-14	1 013 736	963 933
	0-19	1 383 835	1 312 596
Average annual population	0-14	84 478	80 328
	0-19	115 320	109 383

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