

## USA, South Dakota, NH White (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	ASR			0-19	0-14	0-19
<b>I LEUKAEMIA</b>	5	27	14	11	19	57	76	27.5	100.0	22.6	100.0	50.1	66.8	27.8	20.7	32.3	39.6	37.9	560	721	92.1	0.0	
a. Lymphoid	2	25	9	6	11	42	53	20.3	73.7	15.7	69.7	20.0	61.8	17.9	11.3	18.7	29.8	27.3	414	507	94.3	0.0	
b. Acute myeloid	0	2	5	5	4	12	16	5.8	21.1	4.7	21.1	-	4.9	9.9	9.4	6.8	7.5	7.3	117	151	93.8	0.0	
c. CMD	2	0	0	0	1	2	3	1.0	3.5	0.9	3.9	20.0	-	-	-	1.7	1.5	1.6	20	28	66.7	0.0	
d. MDS & other	1	0	0	0	2	1	3	0.5	1.8	0.9	3.9	10.0	-	-	-	3.4	0.8	1.4	10	27	66.7	0.0	
e. Unspecified	0	0	0	0	1	0	1	-	-	0.3	1.3	-	-	-	-	1.7	-	0.4	-	8	-	100.0	0.0
<b>II LYMPHOMA &amp; RELATED</b>	0	4	14	14	34	32	66	15.5	100.0	19.6	100.0	-	9.9	27.8	26.4	57.8	19.7	28.3	311	599	98.5	0.0	
a. Hodgkin	0	0	3	7	26	10	36	4.8	31.3	10.7	54.5	-	-	6.0	13.2	44.2	5.8	14.4	96	317	100.0	0.0	
b. Non-Hodgkin except BL	0	3	11	4	6	18	24	8.7	56.3	7.1	36.4	-	7.4	21.8	7.5	10.2	11.5	11.2	177	228	95.8	0.0	
c. Burkitt (BL)	0	1	0	3	2	4	6	1.9	12.5	1.8	9.1	-	2.5	-	5.7	3.4	2.4	2.6	38	55	100.0	0.0	
d. Lymphoreticular	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>III CNS NEOPLASMS †</b>	2	13	22	17	17	54	71	26.1	100.0	21.1	100.0	20.0	32.1	43.7	32.1	28.9	34.9	33.6	527	672	71.8	0.0	
a. Ependymoma	0	1	0	0	1	1	2	0.5	1.9	0.6	2.8	-	2.5	-	-	1.7	0.8	1.0	10	18	50.0	0.0	
b. Astrocytoma	1	8	9	10	10	28	38	13.5	51.9	11.3	53.5	10.0	19.8	17.9	18.9	17.0	18.1	17.9	273	358	84.2	0.0	
c. CNS embryonal	1	1	6	0	0	8	8	3.9	14.8	2.4	11.3	10.0	2.5	11.9	-	-	5.4	4.2	79	79	100.0	0.0	
d. Other gliomas	0	2	5	1	1	8	9	3.9	14.8	2.7	12.7	-	4.9	9.9	1.9	1.7	5.3	4.5	79	87	33.3	0.0	
e. Other specified	0	1	2	4	3	7	10	3.4	13.0	3.0	14.1	-	2.5	4.0	7.5	5.1	4.2	4.4	67	93	70.0	0.0	
f. Unspecified CNS	0	0	0	2	2	2	4	1.0	3.7	1.2	5.6	-	-	-	3.8	3.4	1.1	1.6	19	36	0.0	0.0	
<b>IV NEUROBLASTOMA</b>	6	6	1	0	0	13	13	6.3	100.0	3.9	100.0	60.1	14.8	2.0	-	-	9.9	7.6	129	129	100.0	0.0	
a. (Ganglio)neuroblastoma	6	6	1	0	0	13	13	6.3	100.0	3.9	100.0	60.1	14.8	2.0	-	-	9.9	7.6	129	129	100.0	0.0	
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>V RETINOBLASTOMA</b>	1	0	0	0	0	1	1	0.5	100.0	0.3	100.0	10.0	-	-	-	-	0.8	0.6	10	10	0.0	0.0	
<b>VI RENAL TUMOURS</b>	1	9	1	0	3	11	14	5.3	100.0	4.2	100.0	10.0	22.3	2.0	-	5.1	8.3	7.6	109	135	92.9	7.1	
a. Nephroblastoma	1	9	1	0	1	11	12	5.3	100.0	3.6	85.7	10.0	22.3	2.0	-	1.7	8.3	6.8	109	118	91.7	8.3	
b. Renal carcinoma	0	0	0	0	2	0	2	-	-	0.6	14.3	-	-	-	-	3.4	-	0.8	-	17	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>VII HEPATIC TUMOURS</b>	1	1	0	1	1	3	4	1.4	100.0	1.2	100.0	10.0	2.5	-	1.9	1.7	2.1	2.0	29	38	50.0	25.0	
a. Hepatoblastoma	1	1	0	0	0	2	2	1.0	66.7	0.6	50.0	10.0	2.5	-	-	-	1.5	1.2	20	20	50.0	0.0	
b. Hepatic carcinoma	0	0	0	1	1	1	2	0.5	33.3	0.6	50.0	-	-	-	1.9	1.7	0.5	0.8	9	18	50.0	50.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>VIII BONE TUMOURS</b>	0	0	2	5	9	7	16	3.4	100.0	4.7	100.0	-	-	4.0	9.4	15.3	4.0	6.6	67	143	87.5	0.0	
a. Osteosarcoma	0	0	1	2	5	3	8	1.4	42.9	2.4	50.0	-	-	2.0	3.8	8.5	1.7	3.3	29	71	87.5	0.0	
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c. Ewing & related	0	0	1	3	3	4	7	1.9	57.1	2.1	43.8	-	-	2.0	5.7	5.1	2.3	2.9	38	64	85.7	0.0	
d. Other specified	0	0	0	0	1	0	1	-	-	0.3	6.3	-	-	-	-	1.7	-	0.4	-	8	100.0	0.0	
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>IX SOFT TISSUE SARCOMA</b>	2	3	1	3	7	9	16	4.3	100.0	4.7	100.0	20.0	7.4	2.0	5.7	11.9	6.1	7.4	88	147	87.5	0.0	
a. Rhabdomyosarcoma	0	3	0	2	1	5	6	2.4	55.6	1.8	37.5	-	7.4	-	3.8	1.7	3.4	3.0	49	57	83.3	0.0	
b. Fibrosarcoma	0	0	0	0	1	0	1	-	-	0.3	6.3	-	-	-	-	1.7	-	0.4	-	8	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	2	0	1	0	5	3	8	1.4	33.3	2.4	50.0	20.0	-	2.0	-	8.5	2.2	3.6	30	72	87.5	0.0	
e. Unspecified	0	0	0	1	0	1	1	0.5	11.1	0.3	6.3	-	-	-	1.9	-	0.5	0.4	9	9	100.0	0.0	
<b>X GERM CELL TUMOURS</b>	2	0	2	5	19	9	28	4.3	100.0	8.3	100.0	20.0	-	4.0	9.4	32.3	5.6	11.6	87	248	100.0	0.0	
a. CNS germ cell	0	0	2	2	3	4	7	1.9	44.4	2.1	25.0	-	-	4.0	3.8	5.1	2.4	3.0	39	64	100.0	0.0	
b. Other extragonadal	1	0	0	0	1	1	2	0.5	11.1	0.6	7.1	10.0	-	-	-	1.7	0.8	1.0	10	18	100.0	0.0	
c. Gonadal germ cell	1	0	0	3	14	4	18	1.9	44.4	5.3	64.3	10.0	-	-	5.7	23.8	2.4	7.2	38	157	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	-	0.3	3.6	-	-	-	-	1.7	-	0.4	-	8	100.0	0.0	
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>XI CARCINOMA &amp; MELANOMA</b>	2	0	1	7	21	10	31	4.8	100.0	9.2	100.0	20.0	-	2.0	13.2	35.7	6.0	12.7	96	274	100.0	0.0	
a. Adrenocortical	1	0	0	0	0	1	1	0.5	10.0	0.3	3.2	10.0	-	-	-	-	0.8	0.6	10	10	100.0	0.0	
b. Thyroid	0	0	0	4	9	4	13	1.9	40.0	3.9	41.9	-	-	-	7.5	15.3	2.2	5.1	38	114	100.0	0.0	
c. Nasopharyngeal	0	0	0	0	1	0	1	-	-	0.3	3.2	-	-	-	1.7	-	-	0.4	-	8	100.0	0.0	
d. Melanoma	1	0	1	2	7	4	11	1.9	40.0	3.3	35.5	10.0	-	2.0	3.8	11.9	2.5	4.6	39	98	100.0	0.0	
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Other & unspecified	0	0	0	1	4	1	5	0.5	10.0	1.5	16.1	-	-	-	1.9	6.8	0.5	2.0	9	43	100.0	0.0	
<b>XII OTHER &amp; UNSPECIFIED</b>	1	0	0	0	0	1	1	0.5	100.0	0.3	100.0	10.0	-	-	-	-	0.8	0.6	10	10	0.0	100.0	
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Other unspecified	1	0	0	0	0	1	1	0.5	100.0	0.3	100.0	10.0	-	-	-	-	0.8	0.6	10	10	0.0	100.0	
<b>TOTAL</b>	23	63	58	63	130	207	337	100.0	100.0	100.0	100.0	230.5	155.8	115.1	118.8	220.9	137.6	156.4	2022	3127	89.3	0.9	

† includes 14 non-malignant

Please consult the quality indicators for this registry

## USA, South Dakota, NH White (2001-2012)

	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		
<b>I LEUKAEMIA</b>	2	18	8	8	14	36	50	48.4	47.9	1.7	1.9	3	9	6	3	5	21	26	30.2	27.4				
a. Lymphoid	1	16	4	3	9	24	33	33.6	32.7	1.3	1.6	1	9	5	3	2	18	20	25.7	21.5				
b. Acute myeloid	0	2	4	5	2	11	13	13.3	11.8	11.0	4.3	0	0	1	0	2	1	3	1.3	2.6				
c. CMD	1	0	0	0	1	1	2	1.5	1.9	1.0	2.0	1	0	0	0	0	1	1	1.6	1.2				
d. MDS & other	0	0	0	0	1	0	1	-	0.7	0.0	0.5	1	0	0	0	1	1	2	1.6	2.0				
e. Unspecified	0	0	0	0	1	0	1	-	0.7	-	-	0	0	0	0	0	0	0	-	-				
<b>II LYMPHOMA &amp; RELATED</b>	0	3	11	10	14	24	38	28.8	32.7	3.0	1.4	0	1	3	4	20	8	28	10.1	23.6				
a. Hodgkin	0	0	3	4	10	7	17	8.0	13.6	2.3	0.9	0	0	0	3	16	3	19	3.4	15.2				
b. Non-Hodgkin except BL	0	2	8	3	3	13	16	16.1	14.7	2.6	2.0	0	1	3	1	3	5	8	6.7	7.5				
c. Burkitt (BL)	0	1	0	3	1	4	5	4.7	4.4	-	5.0	0	0	0	0	1	0	1	-	0.8				
d. Lymphoreticular	0	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	-	-				
<b>III CNS NEOPLASMS †</b>	1	9	16	11	7	37	44	46.5	41.3	2.2	1.6	1	4	6	6	10	17	27	22.6	25.4				
a. Ependymoma	0	0	0	0	1	0	1	-	0.7	0.0	1.0	0	1	0	0	0	1	1	1.6	1.2				
b. Astrocytoma	0	7	7	5	5	19	24	24.5	22.7	2.1	1.7	1	1	2	5	5	9	14	11.4	12.8				
c. CNS embryonal	1	0	4	0	0	5	5	6.5	5.0	1.7	1.7	0	1	2	0	0	3	3	4.2	3.3				
d. Other gliomas	0	1	5	1	0	7	7	8.8	6.8	7.0	3.5	0	1	0	0	1	1	2	1.6	2.0				
e. Other specified	0	1	0	4	1	5	6	5.8	5.2	2.5	1.5	0	0	2	0	2	2	4	2.6	3.6				
f. Unspecified CNS	0	0	0	1	0	1	1	1.1	0.8	1.0	0.3	0	0	0	1	2	1	3	1.1	2.5				
<b>IV NEUROBLASTOMA</b>	3	3	0	0	0	6	6	9.0	7.0	0.9	0.9	3	3	1	0	0	7	7	10.8	8.3				
a. (Ganglio)neuroblastoma	3	3	0	0	0	6	6	9.0	7.0	0.9	0.9	3	3	1	0	0	7	7	10.8	8.3				
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>V RETINOBLASTOMA</b>	0	0	0	0	0	0	0	-	-	0.0	0.0	1	0	0	0	0	1	1	1.6	1.2				
<b>VI RENAL TUMOURS</b>	0	7	1	0	2	8	10	11.7	10.6	2.7	2.5	1	2	0	0	1	3	4	4.7	4.5				
a. Nephroblastoma	0	7	1	0	1	8	9	11.7	9.8	2.7	3.0	1	2	0	0	0	3	3	4.7	3.7				
b. Renal carcinoma	0	0	0	0	1	0	1	-	0.7	-	1.0	0	0	0	0	1	0	1	-	0.8				
c. Unspecified	0	0	0	0	0	0	0	-	-	0	-	0	0	0	0	0	0	0	-	-				
<b>VII HEPATIC TUMOURS</b>	0	1	0	0	0	1	1	1.5	1.2	0.5	0.3	1	0	0	1	1	2	3	2.7	2.9				
a. Hepatoblastoma	0	1	0	0	0	1	1	1.5	1.2	1.0	1.0	1	0	0	0	0	1	1	1.6	1.2				
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	2	1.1	1.7					
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>VIII BONE TUMOURS</b>	0	0	1	1	7	2	9	2.3	7.0	0.4	1.3	0	0	1	4	2	5	7	5.8	6.1				
a. Osteosarcoma	0	0	0	1	4	1	5	1.1	3.8	0.5	1.7	0	0	1	1	1	2	3	2.4	2.7				
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	1.2	3.2	0.3	1.3	0	0	0	3	0	3	3	3.4	2.6				
d. Other specified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.8				
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>IX SOFT TISSUE SARCOMA</b>	0	2	1	2	6	5	11	6.4	9.4	1.3	2.2	2	1	0	1	1	4	5	5.9	5.3				
a. Rhabdomyosarcoma	0	2	0	2	0	4	4	5.1	4.0	4.0	2.0	0	1	0	0	1	1	2	1.6	2.0				
b. Fibrosarcoma	0	0	0	0	1	0	1	-	0.7	-	-	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	1	0	5	1	6	1.2	4.7	0.5	3.0	2	0	0	0	0	2	2	3.2	2.4				
e. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	1.1	0.9				
<b>X GERM CELL TUMOURS</b>	2	0	1	3	17	6	23	7.4	18.4	2.0	4.6	0	0	1	2	2	3	5	3.6	4.3				
a. CNS germ cell	0	0	1	2	2	3	5	3.4	4.1	3.0	2.5	0	0	1	0	1	1	2	1.3	1.8				
b. Other extragonadal	1	0	0	0	1	1	2	1.5	1.9	-	-	0	0	0	0	0	0	0	-	-				
c. Gonadal germ cell	1	0	0	1	14	2	16	2.6	12.4	1.0	8.0	0	0	0	2	0	2	2	2.3	1.7				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.8				
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>XI CARCINOMA &amp; MELANOMA</b>	0	0	0	4	7	4	11	4.3	8.5	0.7	0.6	2	0	1	3	14	6	20	7.9	17.1				
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	1	0	0	0	0	1	1	1.6	1.2				
b. Thyroid	0	0	0	2	0	2	2	2.1	1.6	1.0	0.2	0	0	0	2	9	2	11	2.3	8.8				
c. Nasopharyngeal	0	0	0	0	1	0	1	-	0.7	-	-	0	0	0	0	0	0	0	-	-				
d. Melanoma	0	0	0	1	2	1	3	1.1	2.3	0.3	0.4	1	0	1	1	5	3	8	4.0	7.1				
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
f. Other & unspecified	0	0	0	1	4	1	5	1.1	3.8	-	-	0	0	0	0	0	0	0	-	-				
<b>XII OTHER &amp; UNSPECIFIED</b>	1	0	0	0	0	1	1	1.5	1.2	-	-	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	1.5	1.2	-	-	0	0	0	0	0	0	0	-	-				
<b>TOTAL</b>	9	43	39	39	74	130	204	167.8	185.0	1.7	1.5	14	20	19	24	56	77	133	105.7	126.1				

† includes 8 non-malignant in males and 6 non-malignant in females

Please consult the quality indicators for this registry

## USA, South Dakota, NH White (2001-2012)

	Age group	Males	Females
Person-years	0	51 220	48 564
	1-4	207 241	197 145
	5-9	259 871	244 116
	10-14	272 871	257 427
	15-19	303 005	285 506
Total	0-14	791 203	747 252
	0-19	1 094 208	1 032 758
Average annual population	0-14	65 934	62 271
	0-19	91 184	86 063

Please consult the quality indicators for this registry