

USA, Wisconsin, 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	38	337	171	146	134	692	826	33.4	100.0	24.7	100.0	49.9	106.4	39.9	31.1	26.9	58.9	51.7	833	967	97.5	1.0	
a. Lymphoid	18	290	141	99	66	548	614	26.4	79.2	18.4	74.3	23.6	91.6	32.9	21.1	13.2	47.1	39.5	662	728	98.7	0.3	
b. Acute myeloid	11	32	21	33	39	97	136	4.7	14.0	4.1	16.5	14.4	10.1	4.9	7.0	7.8	7.9	7.9	114	154	99.3	0.0	
c. CMD	1	2	3	10	18	16	34	0.8	2.3	1.0	4.1	1.3	0.6	0.7	2.1	3.6	1.1	1.7	18	36	94.1	0.0	
d. MDS & other	3	5	2	3	2	13	15	0.6	1.9	0.4	1.8	3.9	1.6	0.5	0.6	0.4	1.1	1.0	16	18	86.7	0.0	
e. Unspecified	5	8	4	1	9	18	27	0.9	2.6	0.8	3.3	6.6	2.5	0.9	0.2	1.8	1.6	1.7	22	31	70.4	22.2	
II LYMPHOMA & RELATED	10	26	51	115	326	202	528	9.7	100.0	15.8	100.0	13.1	8.2	11.9	24.5	65.4	14.5	25.9	228	555	98.3	1.1	
a. Hodgkin	0	4	10	69	236	83	319	4.0	41.1	9.5	60.4	-	1.3	2.3	14.7	47.3	5.4	14.8	90	327	99.7	0.0	
b. Non-Hodgkin except BL	3	4	20	26	73	53	126	2.6	26.2	3.8	23.9	3.9	1.3	4.7	5.5	14.6	3.8	6.2	60	133	98.4	0.8	
c. Burkitt (BL)	0	10	16	11	14	37	51	1.8	18.3	1.5	9.7	-	3.2	3.7	2.3	2.8	2.9	2.9	43	57	96.1	2.0	
d. Lymphoreticular	7	7	4	7	1	25	26	1.2	12.4	0.8	4.9	9.2	2.2	0.9	1.5	0.2	2.1	1.7	30	31	100.0	0.0	
e. Unspecified	0	1	1	2	2	4	6	0.2	2.0	0.2	1.1	-	0.3	0.2	0.4	0.4	0.3	0.3	5	7	33.3	66.7	
III CNS NEOPLASMS †	31	146	152	137	181	466	647	22.5	100.0	19.3	100.0	40.7	46.1	35.5	29.2	36.3	37.4	37.1	549	730	82.1	0.2	
a. Ependymoma	8	18	8	8	12	42	54	2.0	9.0	1.6	8.3	10.5	5.7	1.9	1.7	2.4	3.7	3.4	51	63	100.0	0.0	
b. Astrocytoma	9	71	65	70	63	215	278	10.4	46.1	8.3	43.0	11.8	22.4	15.2	14.9	12.6	17.1	16.1	252	315	90.3	0.0	
c. CNS embryonal	5	33	26	20	16	84	100	4.1	18.0	3.0	15.5	6.6	10.4	6.1	4.3	3.2	6.9	6.1	100	116	100.0	0.0	
d. Other gliomas	3	15	30	22	18	70	88	3.4	15.0	2.6	13.6	3.9	4.7	7.0	4.7	3.6	5.4	5.0	81	99	51.1	0.0	
e. Other specified	3	8	16	12	57	39	96	1.9	8.4	2.9	14.8	3.9	2.5	3.7	2.6	11.4	3.0	4.9	45	103	78.1	0.0	
f. Unspecified CNS	3	1	7	5	15	16	31	0.8	3.4	0.9	4.8	3.9	0.3	1.6	1.1	3.0	1.2	1.6	19	34	19.4	3.2	
IV NEUROBLASTOMA	43	81	13	7	6	144	150	6.9	100.0	4.5	100.0	56.4	25.6	3.0	1.5	1.2	13.6	10.8	180	186	98.0	0.0	
a. (Ganglio)neuroblastoma	42	80	12	3	4	137	141	6.6	95.1	4.2	94.0	55.1	25.3	2.8	0.6	0.8	13.1	10.3	172	177	97.9	0.0	
b. Peripheral nervous	1	1	1	4	2	7	9	0.3	4.9	0.3	6.0	1.3	0.3	0.2	0.9	0.4	0.5	0.5	8	10	100.0	0.0	
V RETINOBLASTOMA	18	29	4	0	0	51	51	2.5	100.0	1.5	100.0	23.6	9.2	0.9	-	-	4.9	3.8	64	64	90.2	0.0	
VI RENAL TUMOURS	20	63	28	9	6	120	126	5.8	100.0	3.8	100.0	26.2	19.9	6.5	1.9	1.2	10.8	8.7	148	154	99.2	0.8	
a. Nephroblastoma	19	63	27	6	1	115	116	5.5	95.8	3.5	92.1	24.9	19.9	6.3	1.3	0.2	10.5	8.2	142	143	100.0	0.0	
b. Renal carcinoma	1	0	0	3	4	4	8	0.2	3.3	0.2	6.3	1.3	-	-	0.6	0.8	0.3	0.4	4	8	100.0	0.0	
c. Unspecified	0	0	1	0	1	1	2	0.0	0.8	0.1	1.6	-	-	0.2	-	0.2	0.1	0.1	1	2	50.0	50.0	
VII HEPATIC TUMOURS	9	10	1	1	5	21	26	1.0	100.0	0.8	100.0	11.8	3.2	0.2	0.2	1.0	2.0	1.8	26	31	96.2	3.8	
a. Hepatoblastoma	7	10	1	1	0	19	19	0.9	90.5	0.6	73.1	9.2	3.2	0.2	0.2	-	1.8	1.4	24	24	94.7	5.3	
b. Hepatic carcinoma	2	0	0	0	5	2	7	0.1	9.5	0.2	26.9	2.6	-	-	-	1.0	0.2	0.4	3	8	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIII BONE TUMOURS	1	8	19	65	67	93	160	4.5	100.0	4.8	100.0	1.3	2.5	4.4	13.9	13.4	6.3	7.9	103	170	98.8	0.6	
a. Osteosarcoma	0	0	5	31	38	36	74	1.7	38.7	2.2	46.3	-	-	1.2	6.6	7.6	2.3	3.5	39	77	98.6	0.0	
b. Chondrosarcoma	0	0	0	3	3	3	6	0.1	3.2	0.2	3.8	-	-	-	0.6	0.6	0.2	0.3	3	6	100.0	0.0	
c. Ewing & related	0	7	14	28	23	49	72	2.4	52.7	2.2	45.0	-	2.2	3.3	6.0	4.6	3.5	3.7	55	78	100.0	0.0	
d. Other specified	1	1	0	2	2	4	6	0.2	4.3	0.2	3.8	1.3	0.3	-	0.4	0.4	0.3	0.3	5	7	100.0	0.0	
e. Unspecified	0	0	0	1	1	1	2	0.0	1.1	0.1	1.3	-	-	-	0.2	0.2	0.1	0.1	1	2	50.0	50.0	
IX SOFT TISSUE SARCOMA	12	40	32	46	78	130	208	6.3	100.0	6.2	100.0	15.7	12.6	7.5	9.8	15.6	10.4	11.6	153	231	100.0	0.0	
a. Rhabdomyosarcoma	6	30	22	17	17	75	92	3.6	57.7	2.8	44.2	7.9	9.5	5.1	3.6	3.4	6.3	5.6	90	107	100.0	0.0	
b. Fibrosarcoma	4	0	3	9	13	16	29	0.8	12.3	0.9	13.9	5.2	-	0.7	1.9	2.6	1.2	1.5	18	31	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	1	7	3	14	36	25	61	1.2	19.2	1.8	29.3	1.3	2.2	0.7	3.0	7.2	1.9	3.1	29	65	100.0	0.0	
e. Unspecified	1	3	4	6	12	14	26	0.7	10.8	0.8	12.5	1.3	0.9	0.9	1.3	2.4	1.1	1.4	16	28	100.0	0.0	
X GERM CELL TUMOURS	14	9	5	35	170	63	233	3.0	100.0	7.0	100.0	18.4	2.8	1.2	7.5	34.1	4.8	11.4	72	243	97.0	0.0	
a. CNS germ cell ‡	0	3	3	16	4	22	26	1.1	34.9	0.8	11.2	-	0.9	0.7	3.4	0.8	1.5	1.4	24	28	80.8	0.0	
b. Other extragonadal	6	2	1	0	5	9	14	0.4	14.3	0.4	6.0	7.9	0.6	0.2	-	1.0	0.9	0.9	11	16	92.9	0.0	
c. Gonadal germ cell	8	4	0	14	145	26	171	1.3	41.3	5.1	73.4	10.5	1.3	-	3.0	29.1	2.0	8.1	30	176	100.0	0.0	
d. Gonadal carcinoma	0	0	0	3	11	3	14	0.1	4.8	0.4	6.0	-	-	-	0.6	2.2	0.2	0.6	3	14	100.0	0.0	
e. Unspecified gonadal	0	0	1	2	5	3	8	0.1	4.8	0.2	3.4	-	-	0.2	0.4	1.0	0.2	0.4	3	8	87.5	0.0	
XI CARCINOMA & MELANOMA	7	5	20	52	293	84	377	4.1	100.0	11.3	100.0	9.2	1.6	4.7	11.1	58.7	5.9	17.8	94	388	100.0	0.0	
a. Adrenocortical	0	0	0	0	1	0	1	-	-	0.0	0.3	-	-	-	-	0.2	-	0.0	-	1	1	100.0	0.0
b. Thyroid	0	3	10	17	133	30	163	1.4	35.7	4.9	43.2	-	0.9	2.3	3.6	26.7	2.1	7.6	34	167	100.0	0.0	
c. Nasopharyngeal	0	0	0	2	4	2	6	0.1	2.4	0.2	1.6	-	-	-	0.4	0.8	0.1	0.3	2	6	100.0	0.0	
d. Melanoma	1	2	5	16	87	24	111	1.2	28.6	3.3	29.4	1.3	0.6	1.2	3.4	17.4	1.7	5.2	27	114	100.0	0.0	
e. Skin carcinoma	1	0	1	1	1	3	4	0.1	3.6	0.1	1.1	1.3	-	0.2	0.2	0.2	0.2	0.2	4	5	100.0	0.0	
f. Other & unspecified	5	0	4	16	67	25	92	1.2	29.8	2.8	24.4	6.6	-	0.9	3.4	13.4	1.8	4.4	28	95	100.0	0.0	
XII OTHER & UNSPECIFIED	1	5	0	1	5	7	12	0.3	100.0	0.4	100.0	1.3	1.6	-	0.2	1.0	0.7	0.7	9	14	41.7	33.3	
a. Other specified	0	1	0	1	0	2	2	0.1	28.6	0.1	16.7	-	0.3	-	0.2	-	0.2	0.1	2	2	100.0	0.0	
b. Other unspecified	1	4	0	0	5	5	10	0.2	71.4	0.3	83.3	1.3	1.3	-	-	1.0	0.5	0.6	6	11	30.0	40.0	
TOTAL	204	759	496	614	1271	2073	3344	100.0	100.0	100.0	100.0	267.7	239.7	115.8	130.9	254.8	170.3	189.3	2459	3733	94.9	0.7	

† includes 136 non-malignant ‡ includes 3 non-malignant

Please consult the quality indicators for this registry

USA, Wisconsin, NH White (1998-2012)

	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		
I LEUKAEMIA	21	181	74	90	87	366	453	60.5	54.6	1.1	1.2	17	156	97	56	47	326	373	57.1	48.6				
a. Lymphoid	10	159	62	58	49	289	338	48.6	42.0	1.1	1.2	8	131	79	41	17	259	276	45.5	36.9				
b. Acute myeloid	5	16	5	26	21	52	73	7.9	8.0	1.2	1.2	6	16	16	7	18	45	63	7.8	7.7				
c. CMD	0	1	3	4	8	8	16	1.1	1.6	1.0	0.9	1	1	0	6	10	8	18	1.2	1.8				
d. MDS & other	3	2	2	1	2	8	10	1.4	1.2	1.6	2.0	0	3	0	2	0	5	5	0.9	0.7				
e. Unspecified	3	3	2	1	7	9	16	1.6	1.8	1.0	1.5	2	5	2	0	2	9	11	1.7	1.5				
II LYMPHOMA & RELATED	7	18	38	64	160	127	287	18.1	28.2	1.7	1.2	3	8	13	51	166	75	241	10.7	23.6				
a. Hodgkin	0	4	7	39	106	50	156	6.5	14.4	1.5	1.0	0	0	3	30	130	33	163	4.3	15.3				
b. Non-Hodgkin except BL	1	2	11	12	39	26	65	3.6	6.3	1.0	1.1	2	2	9	14	34	27	61	4.0	6.2				
c. Burkitt (BL)	0	6	16	9	13	31	44	4.6	4.7	5.2	6.3	0	4	0	2	1	6	7	1.1	0.9				
d. Lymphoreticular	6	5	4	4	0	19	19	3.2	2.5	3.2	2.7	1	2	0	3	1	6	7	1.0	0.9				
e. Unspecified	0	1	0	0	2	1	3	0.2	0.3	0.3	1.0	0	0	1	2	0	3	3	0.4	0.3				
III CNS NEOPLASMS †	18	93	86	61	94	258	352	41.3	40.3	1.2	1.2	13	53	66	76	87	208	295	33.2	33.8				
a. Ependymoma	5	12	3	6	6	26	32	4.4	4.0	1.6	1.5	3	6	5	2	6	16	22	2.8	2.8				
b. Astrocytoma	4	44	37	29	38	114	152	18.2	17.4	1.1	1.2	5	27	28	41	25	101	126	16.0	14.7				
c. CNS embryonal	3	19	17	11	10	50	60	8.1	7.1	1.5	1.5	2	14	9	9	6	34	40	5.8	5.0				
d. Other gliomas	1	10	15	10	10	36	46	5.5	5.2	1.1	1.1	2	5	15	12	8	34	42	5.3	4.8				
e. Other specified	3	7	10	2	21	22	43	3.6	4.7	1.3	0.8	0	1	6	10	36	17	53	2.4	5.2				
f. Unspecified CNS	2	1	4	3	9	10	19	1.5	2.0	1.7	1.6	1	0	3	2	6	6	12	0.9	1.3				
IV NEUROBLASTOMA	24	43	4	2	4	73	77	13.7	11.0	1.0	1.1	19	38	9	5	2	71	73	13.6	10.7				
a. (Ganglioneuroblastoma	23	42	4	1	2	70	72	13.2	10.4	1.0	1.0	19	38	8	2	2	67	69	13.0	10.3				
b. Peripheral nervous	1	1	0	1	2	3	5	0.5	0.6	0.8	1.3	0	0	1	3	0	4	4	0.5	0.4				
V RETINOBLASTOMA	10	12	1	0	0	23	23	4.4	3.4	0.8	0.8	8	17	3	0	0	28	28	5.5	4.3				
VI RENAL TUMOURS	9	26	7	4	4	46	50	8.2	6.7	0.6	0.7	11	37	21	5	2	74	76	13.6	10.7				
a. Nephroblastoma	8	26	6	2	0	42	42	7.7	5.9	0.6	0.6	11	37	21	4	1	73	74	13.5	10.5				
b. Renal carcinoma	1	0	0	2	3	3	6	0.4	0.6	3.0	3.0	0	0	0	1	1	1	2	0.1	0.2				
c. Unspecified	0	0	1	0	1	1	2	0.1	0.2	-	-	0	0	0	0	0	0	0	-	-				
VII HEPATIC TUMOURS	5	5	0	1	5	11	16	2.0	2.0	1.1	1.6	4	5	1	0	0	10	10	2.0	1.5				
a. Hepatoblastoma	3	5	0	1	0	9	9	1.7	1.3	0.9	0.9	4	5	1	0	0	10	10	2.0	1.5				
b. Hepatic carcinoma	2	0	0	0	5	2	7	0.4	0.7	-	-	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	1	4	17	28	47	50	97	6.8	9.4	1.2	1.5	0	4	2	37	20	43	63	5.8	6.4				
a. Osteosarcoma	0	0	5	11	26	16	42	2.1	3.9	0.8	1.3	0	0	0	20	12	20	32	2.5	3.1				
b. Chondrosarcoma	0	0	0	2	2	2	4	0.2	0.4	2.0	2.0	0	0	0	1	1	1	2	0.1	0.2				
c. Ewing & related	0	3	12	14	18	29	47	4.0	4.7	1.4	1.9	0	4	2	14	5	20	25	2.9	2.7				
d. Other specified	1	1	0	1	1	3	4	0.5	0.5	3.0	2.0	0	0	0	1	1	1	2	0.1	0.2				
e. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	0.1	0.2				
IX SOFT TISSUE SARCOMA	10	28	18	28	41	84	125	13.3	13.9	1.8	1.5	2	12	14	18	37	46	83	7.3	9.1				
a. Rhabdomyosarcoma	4	21	13	12	12	50	62	8.2	7.4	2.0	2.1	2	9	9	5	5	25	30	4.3	3.8				
b. Fibrosarcoma	4	0	0	3	8	7	15	1.1	1.6	0.8	1.1	0	0	3	6	5	9	14	1.2	1.4				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	1	4	1	9	17	15	32	2.2	3.2	1.5	1.1	0	3	2	5	19	10	29	1.6	3.0				
e. Unspecified	1	3	4	4	4	12	16	1.8	1.8	6.0	1.6	0	0	0	2	8	2	10	0.3	0.9				
X GERM CELL TUMOURS	12	6	3	18	121	39	160	6.1	15.4	1.6	2.2	2	3	2	17	49	24	73	3.5	7.2				
a. CNS germ cell ‡	0	2	2	14	2	18	20	2.4	2.0	4.5	3.3	0	1	1	2	2	4	6	0.6	0.7				
b. Other extragonadal	4	1	0	0	4	5	9	1.0	1.1	1.3	1.8	2	1	1	0	1	4	5	0.8	0.7				
c. Gonadal germ cell	8	3	0	4	113	15	128	2.6	12.0	1.4	3.0	0	1	0	10	32	11	43	1.5	4.1				
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	0.1	0.0	0.1	0	0	0	3	10	3	13	0.4	1.2				
e. Unspecified gonadal	0	0	1	0	1	1	2	0.1	0.2	0.5	0.3	0	0	0	2	4	2	6	0.3	0.6				
XI CARCINOMA & MELANOMA	5	1	10	20	82	36	118	5.0	11.1	0.8	0.5	2	4	10	32	211	48	259	6.8	24.8				
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.1				
b. Thyroid	0	0	6	1	25	7	32	1.0	3.0	0.3	0.2	0	3	4	16	108	23	131	3.3	12.5				
c. Nasopharyngeal	0	0	0	1	3	1	4	0.1	0.4	1.0	2.0	0	0	0	1	1	1	2	0.1	0.2				
d. Melanoma	1	1	2	10	36	14	50	1.9	4.6	1.4	0.8	0	1	3	6	51	10	61	1.4	5.8				
e. Skin carcinoma	0	0	1	1	1	2	3	0.3	0.3	2.0	3.0	1	0	0	0	0	1	1	0.2	0.2				
f. Other & unspecified	4	0	1	7	17	12	29	1.8	2.9	0.9	0.5	1	0	3	9	50	13	63	1.8	6.0				
XII OTHER & UNSPECIFIED	0	2	0	1	2	3	5	0.5	0.6	0.8	0.7	1	3	0	0	3	4	7	0.8	0.9				
a. Other specified	0	1	0	1	0	2	2	0.3	0.2	-	-	0	0	0	0	0	0	0	-	-				
b. Other unspecified	0	1	0	0	2	1	3	0.2	0.3	0.3	0.4	1	3	0	0	3	4	7	0.8	0.9				
TOTAL	122	419	258	317	647	1116	1763	180.1	196.7	1.2	1.1	82	340	238	297	624	957	1581	159.9	181.5				

† includes 64 non-malignant in males and 72 non-malignant in females ‡ includes 2 non-malignant in males and 1 non-malignant in females

Please consult the quality indicators for this registry

USA, Wisconsin, NH White (1998-2012)

	Age group	Males	Females
Person-years	0	392 004	370 057
	1-4	1 622 584	1 543 295
	5-9	2 196 428	2 088 288
	10-14	2 405 942	2 284 406
	15-19	2 549 281	2 438 723
Total	0-14	6 616 958	6 286 046
	0-19	9 166 239	8 724 769
Average annual population	0-14	441 131	419 070
	0-19	611 083	581 651

Please consult the quality indicators for this registry