

USA, Missouri, NH White (1996-2012)

	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	32	296	160	123	118	611	729	28.1	100.0	22.8	100.0	32.6	74.6	30.9	22.4	20.9	42.1	37.4	598	702	98.1	0.8
a. Lymphoid	8	252	127	94	62	481	543	22.1	78.7	17.0	74.5	8.1	63.5	24.5	17.1	11.0	33.2	28.2	471	526	99.4	0.2
b. Acute myeloid	15	32	23	22	46	92	138	4.2	15.1	4.3	18.9	15.3	8.1	4.4	4.0	8.1	6.3	6.7	90	130	96.4	1.4
c. CMD	3	5	3	0	7	11	18	0.5	1.8	0.6	2.5	3.1	1.3	0.6	-	1.2	0.8	0.9	11	17	100.0	0.0
d. MDS & other	5	5	2	4	0	16	16	0.7	2.6	0.5	2.2	5.1	1.3	0.4	0.7	-	1.1	0.9	16	16	81.3	6.3
e. Unspecified	1	2	5	3	3	11	14	0.5	1.8	0.4	1.9	1.0	0.5	1.0	0.5	0.5	0.7	0.7	11	13	78.6	14.3
II LYMPHOMA & RELATED	12	37	66	121	228	236	464	10.8	100.0	14.5	100.0	12.2	9.3	12.7	22.1	40.3	14.4	20.2	224	425	98.9	0.6
a. Hodgkin	0	5	11	61	158	77	235	3.5	32.6	7.4	50.6	-	1.3	2.1	11.1	28.0	4.3	9.6	71	211	98.6	0.4
b. Non-Hodgkin except BL	6	18	33	38	51	95	146	4.4	40.3	4.6	31.5	6.1	4.5	6.4	6.9	9.0	5.9	6.6	91	136	100.0	0.0
c. Burkitt (BL)	0	9	15	18	13	42	55	1.9	17.8	1.7	11.9	-	2.3	2.9	3.3	2.3	2.6	2.5	40	51	100.0	0.0
d. Lymphoreticular	5	4	5	4	1	18	19	0.8	7.6	0.6	4.1	5.1	1.0	1.0	0.7	0.2	1.2	1.0	18	18	94.7	0.0
e. Unspecified	1	1	2	0	5	4	9	0.2	1.7	0.3	1.9	1.0	0.3	0.4	-	0.9	0.3	0.4	4	8	66.7	22.2
III CNS NEOPLASMS †	49	189	186	175	183	599	782	27.5	100.0	24.5	100.0	49.9	47.6	35.9	31.9	32.4	39.5	37.9	580	742	84.3	1.3
a. Ependymoma	7	28	15	12	13	62	75	2.8	10.4	2.3	9.6	7.1	7.1	2.9	2.2	2.3	4.3	3.9	61	72	100.0	0.0
b. Astrocytoma	21	87	75	87	85	270	355	12.4	45.1	11.1	45.4	21.4	21.9	14.5	15.9	15.0	17.7	17.1	261	336	91.0	0.3
c. CNS embryonal	12	46	40	31	11	129	140	5.9	21.5	4.4	17.9	12.2	11.6	7.7	5.7	1.9	8.7	7.2	125	135	97.9	0.0
d. Other gliomas	3	19	32	13	17	67	84	3.1	11.2	2.6	10.7	3.1	4.8	6.2	2.4	3.0	4.4	4.1	65	80	51.2	0.0
e. Other specified	4	4	23	29	49	60	109	2.8	10.0	3.4	13.9	4.1	1.0	4.4	5.3	8.7	3.6	4.7	57	100	71.6	0.9
f. Unspecified CNS	2	5	1	3	8	11	19	0.5	1.8	0.6	2.4	2.0	1.3	0.2	0.5	1.4	0.8	0.9	11	18	15.8	42.1
IV NEUROBLASTOMA	62	75	15	3	2	155	157	7.1	100.0	4.9	100.0	63.2	18.9	2.9	0.5	0.4	11.8	9.2	156	157	98.7	0.0
a. (Ganglio)neuroblastoma	62	75	14	2	1	153	154	7.0	98.7	4.8	98.1	63.2	18.9	2.7	0.4	0.2	11.7	9.1	154	155	98.7	0.0
b. Peripheral nervous	0	0	1	1	1	2	3	0.1	1.3	0.1	1.9	-	-	0.2	0.2	0.2	0.1	0.1	2	3	100.0	0.0
V RETINOBLASTOMA	19	16	3	0	0	38	38	1.7	100.0	1.2	100.0	19.4	4.0	0.6	-	-	2.9	2.3	38	38	73.7	2.6
VI RENAL TUMOURS	14	64	19	8	9	105	114	4.8	100.0	3.6	100.0	14.3	16.1	3.7	1.5	1.6	7.7	6.3	104	112	99.1	0.0
a. Nephroblastoma	14	64	17	6	1	101	102	4.6	96.2	3.2	89.5	14.3	16.1	3.3	1.1	0.2	7.5	5.8	101	102	99.0	0.0
b. Renal carcinoma	0	0	2	2	8	4	12	0.2	3.8	0.4	10.5	-	-	0.4	0.4	1.4	0.2	0.5	4	11	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	13	15	4	2	5	34	39	1.6	100.0	1.2	100.0	13.2	3.8	0.8	0.4	0.9	2.5	2.2	34	38	92.3	5.1
a. Hepatoblastoma	12	14	4	1	1	31	32	1.4	91.2	1.0	82.1	12.2	3.5	0.8	0.2	0.2	2.3	1.9	31	32	100.0	0.0
b. Hepatic carcinoma	1	1	0	0	4	2	6	0.1	5.9	0.2	15.4	1.0	0.3	-	-	0.7	0.2	0.3	2	6	66.7	16.7
c. Unspecified	0	0	0	1	0	1	1	0.0	2.9	0.0	2.6	-	-	-	0.2	-	0.1	0.0	1	1	0.0	100.0
VIII BONE TUMOURS	2	6	24	48	75	80	155	3.7	100.0	4.9	100.0	2.0	1.5	4.6	8.8	13.3	4.7	6.6	75	141	98.1	1.3
a. Osteosarcoma	0	0	13	26	49	39	88	1.8	48.8	2.8	56.8	-	-	2.5	4.7	8.7	2.2	3.6	36	80	100.0	0.0
b. Chondrosarcoma	0	1	0	0	3	1	4	0.0	1.3	0.1	2.6	-	0.3	-	-	0.5	0.1	0.2	1	4	100.0	0.0
c. Ewing & related	0	4	11	21	17	36	53	1.7	45.0	1.7	34.2	-	1.0	2.1	3.8	3.0	2.1	2.3	34	49	98.1	0.0
d. Other specified	0	1	0	1	6	2	8	0.1	2.5	0.3	5.2	-	0.3	-	0.2	1.1	0.1	0.3	2	7	100.0	0.0
e. Unspecified	2	0	0	0	0	2	2	0.1	2.5	0.1	1.3	2.0	-	-	-	-	0.2	0.1	2	2	0.0	100.0
IX SOFT TISSUE SARCOMA	11	47	32	50	56	140	196	6.4	100.0	6.1	100.0	11.2	11.8	6.2	9.1	9.9	9.2	9.3	135	185	100.0	0.0
a. Rhabdomyosarcoma	3	37	22	26	11	88	99	4.0	62.9	3.1	50.5	3.1	9.3	4.2	4.7	1.9	5.9	5.0	85	95	100.0	0.0
b. Fibrosarcoma	3	1	2	6	11	12	23	0.6	8.6	0.7	11.7	3.1	0.3	0.4	1.1	1.9	0.8	1.0	11	21	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	4	8	7	15	30	34	64	1.6	24.3	2.0	32.7	4.1	2.0	1.4	2.7	5.3	2.2	2.9	33	59	100.0	0.0
e. Unspecified	1	1	1	3	4	6	10	0.3	4.3	0.3	5.1	1.0	0.3	0.2	0.5	0.7	0.4	0.5	6	9	100.0	0.0
X GERM CELL TUMOURS	18	16	7	27	132	68	200	3.1	100.0	6.3	100.0	18.3	4.0	1.4	4.9	23.4	4.5	8.8	66	183	96.5	0.5
a. CNS germ cell ‡	3	3	2	12	16	20	36	0.9	29.4	1.1	18.0	3.1	0.8	0.4	2.2	2.8	1.2	1.6	19	33	86.1	0.0
b. Other extragonadal	10	8	2	0	7	20	27	0.9	29.4	0.8	13.5	10.2	2.0	0.4	-	1.2	1.5	1.5	20	26	96.3	0.0
c. Gonadal germ cell	5	5	3	12	103	25	128	1.1	36.8	4.0	64.0	5.1	1.3	0.6	2.2	18.2	1.6	5.3	24	115	100.0	0.0
d. Gonadal carcinoma	0	0	0	1	4	1	5	0.0	1.5	0.2	2.5	-	-	-	0.2	0.7	0.1	0.2	1	4	100.0	0.0
e. Unspecified gonadal	0	0	0	2	2	2	4	0.1	2.9	0.1	2.0	-	-	-	0.4	0.4	0.1	0.2	2	4	75.0	25.0
XI CARCINOMA & MELANOMA	14	7	16	59	202	96	298	4.4	100.0	9.3	100.0	14.3	1.8	3.1	10.8	35.7	5.8	12.5	90	269	99.7	0.0
a. Adrenocortical	0	1	1	2	2	4	6	0.2	4.2	0.2	2.0	-	0.3	0.2	0.4	0.4	0.2	0.3	4	6	100.0	0.0
b. Thyroid	1	4	9	19	88	33	121	1.5	34.4	3.8	40.6	1.0	1.0	1.7	3.5	15.6	2.0	5.0	31	109	100.0	0.0
c. Nasopharyngeal	0	0	0	4	3	4	7	0.2	4.2	0.2	2.3	-	-	-	0.7	0.5	0.2	0.3	4	6	100.0	0.0
d. Melanoma	10	2	4	20	65	36	101	1.7	37.5	3.2	33.9	10.2	0.5	0.8	3.6	11.5	2.2	4.3	34	92	100.0	0.0
e. Skin carcinoma	2	0	0	0	2	2	4	0.1	2.1	0.1	1.3	2.0	-	-	-	0.4	0.2	0.2	2	4	100.0	0.0
f. Other & unspecified	1	0	2	14	42	17	59	0.8	17.7	1.8	19.8	1.0	-	0.4	2.6	7.4	0.9	2.4	16	53	98.3	0.0
XII OTHER & UNSPECIFIED	6	3	2	4	6	15	21	0.7	100.0	0.7	100.0	6.1	0.8	0.4	0.7	1.1	1.0	1.0	15	20	57.1	38.1
a. Other specified	3	2	1	2	3	8	11	0.4	53.3	0.3	52.4	3.1	0.5	0.2	0.4	0.5	0.6	0.6	8	10	100.0	0.0
b. Other unspecified	3	1	1	2	3	7	10	0.3	46.7	0.3	47.6	3.1	0.3	0.2	0.4	0.5	0.5	0.5	7	9	10.0	80.0
TOTAL	252	771	534	620	1016	2177	3193	100.0	100.0	100.0	100.0	256.7	194.4	103.1	113.1	179.8	146.1	153.7	2115	3014	94.4	1.0

† includes 118 non-malignant ‡ includes 1 non-malignant

Please consult the quality indicators for this registry

USA, Missouri, NH White (1996-2012)

	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	16	164	84	70	76	334	410	44.9	40.7	1.2	1.3	16	132	76	53	42	277	319	39.2	33.8		
a. Lymphoid	5	144	68	56	45	273	318	36.8	32.0	1.3	1.4	3	108	59	38	17	208	225	29.5	24.2		
b. Acute myeloid	7	16	11	9	27	43	70	5.8	6.6	0.9	1.0	8	16	12	13	19	49	68	6.8	6.8		
c. CMD	1	1	1	0	4	3	7	0.4	0.6	0.4	0.6	2	4	2	0	3	8	11	1.2	1.2		
d. MDS & other	3	2	1	3	0	9	9	1.2	0.9	1.3	1.3	2	3	1	1	0	7	7	1.0	0.8		
e. Unspecified	0	1	3	2	0	6	6	0.7	0.6	1.2	0.8	1	1	2	1	3	5	8	0.7	0.8		
II LYMPHOMA & RELATED	7	28	48	89	113	172	285	20.3	24.6	2.7	1.6	5	9	18	32	115	64	179	8.0	15.6		
a. Hodgkin	0	5	8	39	67	52	119	5.8	9.7	2.1	1.0	0	0	3	22	91	25	116	2.8	9.6		
b. Non-Hodgkin except BL	3	14	21	29	33	67	100	8.1	8.9	2.4	2.2	3	4	12	9	18	28	46	3.6	4.3		
c. Burkitt (BL)	0	6	14	18	9	38	47	4.5	4.2	9.5	5.9	0	3	1	0	4	4	8	0.6	0.8		
d. Lymphoreticular	4	3	4	3	1	14	15	1.9	1.5	3.5	3.8	1	1	1	1	0	4	4	0.6	0.4		
e. Unspecified	0	0	1	0	3	1	4	0.1	0.3	0.3	0.8	1	1	1	0	2	3	5	0.4	0.5		
III CNS NEOPLASMS †	23	105	105	96	84	329	413	42.2	39.2	1.2	1.1	26	84	81	79	99	270	369	36.6	36.5		
a. Ependymoma	5	17	10	6	7	38	45	5.2	4.6	1.6	1.5	2	11	5	6	6	24	30	3.4	3.1		
b. Astrocytoma	9	48	36	47	38	140	178	17.9	16.8	1.1	1.0	12	39	39	40	47	130	177	17.5	17.4		
c. CNS embryonal	5	28	26	20	6	79	85	10.3	8.4	1.6	1.5	7	18	14	11	5	50	55	7.0	5.8		
d. Other gliomas	2	7	19	8	7	36	43	4.5	4.0	1.2	1.0	1	12	13	5	10	31	41	4.3	4.1		
e. Other specified	1	2	13	14	20	30	50	3.5	4.3	1.0	0.8	3	2	10	15	29	30	59	3.7	5.2		
f. Unspecified CNS	1	3	1	1	6	6	12	0.8	1.1	1.2	1.7	1	2	0	2	2	5	7	0.7	0.7		
IV NEUROBLASTOMA	32	39	9	0	1	80	81	11.9	9.3	1.1	1.1	30	36	6	3	1	75	76	11.7	9.1		
a. (Ganglio)neuroblastoma	32	39	9	0	0	80	80	11.9	9.2	1.1	1.1	30	36	5	2	1	73	74	11.5	9.0		
b. Peripheral nervous	0	0	0	0	1	0	1	-	0.1	0.0	0.5	0	0	1	1	0	2	2	0.2	0.2		
V RETINOBLASTOMA	9	6	2	0	0	17	17	2.5	2.0	0.8	0.8	10	10	1	0	0	21	21	3.3	2.6		
VI RENAL TUMOURS	6	35	10	4	3	55	58	7.9	6.3	1.1	1.0	8	29	9	4	6	50	56	7.5	6.3		
a. Nephroblastoma	6	35	9	2	0	52	52	7.6	5.9	1.1	1.0	8	29	8	4	1	49	50	7.4	5.8		
b. Renal carcinoma	0	0	1	2	3	3	6	0.3	0.5	3.0	1.0	0	0	1	0	5	1	6	0.1	0.5		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	5	8	1	1	4	15	19	2.2	2.0	0.8	0.9	8	7	3	1	1	19	20	2.9	2.3		
a. Hepatoblastoma	5	8	1	1	1	15	16	2.2	1.8	0.9	1.0	7	6	3	0	0	16	16	2.5	1.9		
b. Hepatic carcinoma	0	0	0	0	3	0	3	-	0.2	0.0	1.0	1	1	0	0	1	2	3	0.3	0.3		
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.1	0.1		
VIII BONE TUMOURS	2	3	14	28	52	47	99	5.4	8.2	1.4	1.8	0	3	10	20	23	33	56	3.9	4.9		
a. Osteosarcoma	0	0	7	16	34	23	57	2.5	4.6	1.4	1.8	0	0	6	10	15	16	31	1.9	2.7		
b. Chondrosarcoma	0	1	0	0	3	1	4	0.2	0.4	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	2	7	12	12	21	33	2.4	2.8	1.4	1.6	0	2	4	9	5	15	20	1.8	1.8		
d. Other specified	0	0	0	0	3	0	3	-	0.2	0.0	0.6	0	1	0	1	3	2	5	0.3	0.5		
e. Unspecified	2	0	0	0	0	2	2	0.3	0.2	-	-	0	0	0	0	0	0	0	-	-		
IX SOFT TISSUE SARCOMA	4	28	20	25	27	77	104	9.9	9.8	1.2	1.1	7	19	12	25	29	63	92	8.4	8.9		
a. Rhabdomyosarcoma	1	23	14	13	4	51	55	6.7	5.5	1.4	1.3	2	14	8	13	7	37	44	5.0	4.5		
b. Fibrosarcoma	1	1	1	2	5	5	10	0.6	0.9	0.7	0.8	2	0	1	4	6	7	13	0.9	1.2		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	2	4	5	9	16	20	36	2.5	3.1	1.4	1.3	2	4	2	6	14	14	28	1.9	2.6		
e. Unspecified	0	0	0	1	2	1	3	0.1	0.2	0.2	0.4	1	1	1	2	2	5	7	0.7	0.7		
X GERM CELL TUMOURS	7	8	3	12	105	30	135	3.9	11.2	0.8	2.1	11	8	4	15	27	38	65	5.2	6.2		
a. CNS germ cell ‡	0	1	2	9	14	12	26	1.3	2.1	1.5	2.6	3	2	0	3	2	8	10	1.1	1.0		
b. Other extragonadal	2	4	1	0	3	7	10	1.0	1.0	0.5	0.6	8	4	1	0	4	13	17	2.1	1.9		
c. Gonadal germ cell	5	3	0	3	88	11	99	1.5	8.0	0.8	3.4	0	2	3	9	15	14	29	1.7	2.5		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	4	1	5	0.1	0.4		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	2	2	4	0.2	0.3		
XI CARCINOMA & MELANOMA	7	4	4	25	72	40	112	4.7	9.3	0.7	0.6	7	3	12	34	130	56	186	6.8	15.9		
a. Adrenocortical	0	0	0	1	0	1	1	0.1	0.1	0.3	0.2	0	1	1	1	2	3	5	0.4	0.5		
b. Thyroid	0	2	2	8	15	12	27	1.4	2.2	0.6	0.3	1	2	7	11	73	21	94	2.6	8.0		
c. Nasopharyngeal	0	0	0	2	3	2	5	0.2	0.4	1.0	2.5	0	0	0	2	0	2	2	0.2	0.2		
d. Melanoma	4	2	1	6	32	13	45	1.7	3.8	0.6	0.8	6	0	3	14	33	23	56	2.9	4.9		
e. Skin carcinoma	2	0	0	0	1	2	3	0.3	0.3	-	3.0	0	0	0	0	1	0	1	-	0.1		
f. Other & unspecified	1	0	1	8	21	10	31	1.1	2.5	1.4	1.1	0	0	1	6	21	7	28	0.8	2.3		
XII OTHER & UNSPECIFIED	5	3	2	2	3	12	15	1.7	1.5	4.0	2.5	1	0	0	2	3	3	6	0.4	0.5		
a. Other specified	2	2	1	0	1	5	6	0.7	0.6	1.7	1.2	1	0	0	2	2	3	5	0.4	0.5		
b. Other unspecified	3	1	1	2	2	7	9	0.9	0.9	-	9.0	0	0	0	0	1	0	1	-	0.1		
TOTAL	123	431	302	352	540	1208	1748	157.5	164.1	1.2	1.2	129	340	232	268	476	969	1445	134.1	142.8		

† includes 59 non-malignant in males and 59 non-malignant in females ‡ includes 1 non-malignant in females

Please consult the quality indicators for this registry

USA, Missouri, NH White (1996-2012)

	Age group	Males	Females
Person-years	0	503 606	478 081
	1-4	2 032 958	1 933 778
	5-9	2 655 907	2 521 957
	10-14	2 815 442	2 667 899
	15-19	2 894 089	2 757 687
Total	0-14	8 007 913	7 601 715
	0-19	10 902 002	10 359 402
Average annual population	0-14	471 054	447 160
	0-19	641 294	609 377

Please consult the quality indicators for this registry