

## USA, Arkansas, 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	ASR	0-19			0-14	0-19
<b>I LEUKAEMIA</b>	18	135	66	59	52	278	330	27.3	100.0	23.0	100.0	46.6	88.0	33.5	28.5	24.4	49.9	44.2	708	830	88.8	0.0	
a. Lymphoid	7	114	55	42	29	218	247	21.4	78.4	17.2	74.8	18.1	74.3	27.9	20.3	13.6	39.3	33.5	556	624	90.7	0.0	
b. Acute myeloid	7	14	8	13	9	42	51	4.1	15.1	3.5	15.5	18.1	9.1	4.1	6.3	4.2	7.4	6.7	106	127	84.3	0.0	
c. CMD	1	1	3	2	11	7	18	0.7	2.5	1.3	5.5	2.6	0.7	1.5	1.0	5.2	1.2	2.1	18	43	77.8	0.0	
d. MDS & other	3	4	0	0	1	7	8	0.7	2.5	0.6	2.4	7.8	2.6	-	-	0.5	1.4	1.2	18	21	75.0	0.0	
e. Unspecified	0	2	0	2	2	4	6	0.4	1.4	0.4	1.8	-	1.3	-	1.0	0.9	0.7	0.7	10	15	100.0	0.0	
<b>II LYMPHOMA &amp; RELATED</b>	8	19	23	52	99	102	201	10.0	100.0	14.0	100.0	20.7	12.4	11.7	25.1	46.4	16.5	23.2	254	486	97.0	0.0	
a. Hodgkin	0	0	6	23	67	29	96	2.8	28.4	6.7	47.8	-	-	3.0	11.1	31.4	4.2	10.3	71	228	100.0	0.0	
b. Non-Hodgkin except BL	4	9	11	20	22	44	66	4.3	43.1	4.6	32.8	10.4	5.9	5.6	9.7	10.3	7.2	7.9	110	162	97.0	0.0	
c. Burkitt (BL)	0	0	4	5	8	9	17	0.9	8.8	1.2	8.5	-	-	2.0	2.4	3.8	1.4	1.9	22	41	94.1	0.0	
d. Lymphoreticular	2	10	2	4	1	18	19	1.8	17.6	1.3	9.5	5.2	6.5	1.0	1.9	0.5	3.3	2.7	46	48	84.2	0.0	
e. Unspecified	2	0	0	0	1	2	3	0.2	2.0	0.2	1.5	5.2	-	-	-	0.5	0.4	0.4	5	8	100.0	0.0	
<b>III CNS NEOPLASMS †</b>	14	71	92	91	75	268	343	26.3	100.0	23.9	100.0	36.2	46.3	46.7	43.9	35.2	44.9	42.7	674	850	72.9	0.9	
a. Ependymoma	2	6	5	5	2	18	20	1.8	6.7	1.4	5.8	5.2	3.9	2.5	2.4	0.9	3.1	2.6	46	50	85.0	0.0	
b. Astrocytoma	2	27	38	48	22	115	137	11.3	42.9	9.5	39.9	5.2	17.6	19.3	23.2	10.3	18.8	16.9	288	339	84.7	0.0	
c. CNS embryonal	4	16	17	12	5	49	54	4.8	18.3	3.8	15.7	10.4	10.4	8.6	5.8	2.3	8.5	7.1	124	136	100.0	0.0	
d. Other gliomas	0	12	18	8	8	38	46	3.7	14.2	3.2	13.4	-	7.8	9.1	3.9	3.8	6.5	5.9	96	115	52.2	0.0	
e. Other specified	4	4	10	13	30	31	61	3.0	11.6	4.2	17.8	10.4	2.6	5.1	6.3	14.1	5.1	7.1	78	148	54.1	0.0	
f. Unspecified CNS	2	6	4	5	8	17	25	1.7	6.3	1.7	7.3	5.2	3.9	2.0	2.4	3.8	3.0	3.1	43	62	24.0	12.0	
<b>IV NEUROBLASTOMA</b>	30	41	7	0	2	78	80	7.7	100.0	5.6	100.0	77.6	26.7	3.6	-	0.9	15.5	12.2	203	207	100.0	0.0	
a. (Ganglio)neuroblastoma	30	39	7	0	1	76	77	7.5	97.4	5.4	96.3	77.6	25.4	3.6	-	0.5	15.1	11.8	197	200	100.0	0.0	
b. Peripheral nervous	0	2	0	0	1	2	3	0.2	2.6	0.2	3.8	-	1.3	-	-	0.5	0.4	0.4	5	8	100.0	0.0	
<b>V RETINOBLASTOMA</b>	13	11	0	0	0	24	24	2.4	100.0	1.7	100.0	33.6	7.2	-	-	-	4.8	3.7	62	62	50.0	0.0	
<b>VI RENAL TUMOURS</b>	11	21	15	2	4	49	53	4.8	100.0	3.7	100.0	28.5	13.7	7.6	1.0	1.9	9.2	7.5	126	136	96.2	1.9	
a. Nephroblastoma	10	21	14	2	0	47	47	4.6	95.9	3.3	88.7	25.9	13.7	7.1	1.0	-	8.8	6.8	121	121	97.9	0.0	
b. Renal carcinoma	1	0	0	0	4	1	5	0.1	2.0	0.3	9.4	2.6	-	-	-	1.9	0.2	0.6	3	12	100.0	0.0	
c. Unspecified	0	0	1	0	0	1	1	0.1	2.0	0.1	1.9	-	-	0.5	-	-	0.2	0.1	3	3	0.0	100.0	
<b>VII HEPATIC TUMOURS</b>	4	8	0	1	3	13	16	1.3	100.0	1.1	100.0	10.4	5.2	-	0.5	1.4	2.6	2.3	34	41	100.0	0.0	
a. Hepatoblastoma	4	8	0	0	0	12	12	1.2	92.3	0.8	75.0	10.4	5.2	-	-	-	2.4	1.9	31	31	100.0	0.0	
b. Hepatic carcinoma	0	0	0	1	3	1	4	0.1	7.7	0.3	25.0	-	-	-	0.5	1.4	0.1	0.4	2	9	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>VIII BONE TUMOURS</b>	0	3	11	26	28	40	68	3.9	100.0	4.7	100.0	-	2.0	5.6	12.5	13.1	6.0	7.6	98	164	98.5	0.0	
a. Osteosarcoma	0	0	6	14	12	20	32	2.0	50.0	2.2	47.1	-	-	3.0	6.8	5.6	2.9	3.5	49	77	96.9	0.0	
b. Chondrosarcoma	0	0	0	0	1	0	1	-	-	0.1	1.5	-	-	-	-	0.5	-	0.1	-	2	2	100.0	0.0
c. Ewing & related	0	2	5	11	12	18	30	1.8	45.0	2.1	44.1	-	1.3	2.5	5.3	5.6	2.8	3.4	44	73	100.0	0.0	
d. Other specified	0	1	0	1	2	2	4	0.2	5.0	0.3	5.9	-	0.7	-	0.5	0.9	0.3	0.5	5	10	100.0	0.0	
e. Unspecified	0	0	0	0	1	0	1	-	-	0.1	1.5	-	-	-	-	0.5	-	0.1	-	2	2	100.0	0.0
<b>IX SOFT TISSUE SARCOMA</b>	4	23	18	22	30	67	97	6.6	100.0	6.8	100.0	10.4	15.0	9.1	10.6	14.1	11.5	12.1	169	239	100.0	0.0	
a. Rhabdomyosarcoma	0	18	12	5	6	35	41	3.4	52.2	2.9	42.3	-	11.7	6.1	2.4	2.8	6.3	5.5	89	103	100.0	0.0	
b. Fibrosarcoma	3	0	0	2	2	5	7	0.5	7.5	0.5	7.2	7.8	-	-	1.0	0.9	0.9	0.9	13	17	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	1	3	6	10	18	20	38	2.0	29.9	2.6	39.2	2.6	2.0	3.0	4.8	8.4	3.2	4.4	50	92	100.0	0.0	
e. Unspecified	0	2	0	5	4	7	11	0.7	10.4	0.8	11.3	-	1.3	-	2.4	1.9	1.1	1.3	17	27	100.0	0.0	
<b>X GERM CELL TUMOURS</b>	4	12	5	14	40	35	75	3.4	100.0	5.2	100.0	10.4	7.8	2.5	6.8	18.8	6.0	8.9	88	182	97.3	0.0	
a. CNS germ cell ‡	0	5	3	2	5	10	15	1.0	28.6	1.0	20.0	-	3.3	1.5	1.0	2.3	1.8	1.9	25	37	86.7	0.0	
b. Other extragonadal	3	3	0	0	1	6	7	0.6	17.1	0.5	9.3	7.8	2.0	-	-	0.5	1.2	1.0	16	18	100.0	0.0	
c. Gonadal germ cell	1	4	2	10	30	17	47	1.7	48.6	3.3	62.7	2.6	2.6	1.0	4.8	14.1	2.7	5.3	42	113	100.0	0.0	
d. Gonadal carcinoma	0	0	0	1	3	1	4	0.1	2.9	0.3	5.3	-	-	-	0.5	1.4	0.1	0.4	2	9	100.0	0.0	
e. Unspecified gonadal	0	0	0	1	1	1	2	0.1	2.9	0.1	2.7	-	-	-	0.5	0.5	0.1	0.2	2	5	100.0	0.0	
<b>XI CARCINOMA &amp; MELANOMA</b>	7	7	11	34	84	59	143	5.8	100.0	10.0	100.0	18.1	4.6	5.6	16.4	39.4	9.4	16.1	146	343	98.6	0.0	
a. Adrenocortical	1	1	1	0	0	3	3	0.3	5.1	0.2	2.1	2.6	0.7	0.5	-	-	0.6	0.4	8	8	100.0	0.0	
b. Thyroid	0	2	2	16	42	20	62	2.0	33.9	4.3	43.4	-	1.3	1.0	7.7	19.7	3.0	6.7	49	147	100.0	0.0	
c. Nasopharyngeal	0	0	2	3	1	5	6	0.5	8.5	0.4	4.2	-	-	1.0	1.4	0.5	0.7	0.7	12	15	100.0	0.0	
d. Melanoma	6	2	5	6	20	19	39	1.9	32.2	2.7	27.3	15.5	1.3	2.5	2.9	9.4	3.3	4.6	48	95	97.4	0.0	
e. Skin carcinoma	0	0	0	1	1	1	2	0.1	1.7	0.1	1.4	-	-	-	0.5	0.5	0.1	0.2	2	5	100.0	0.0	
f. Other & unspecified	0	2	1	8	20	11	31	1.1	18.6	2.2	21.7	-	1.3	0.5	3.9	9.4	1.7	3.4	27	74	96.8	0.0	
<b>XII OTHER &amp; UNSPECIFIED</b>	2	3	1	0	1	6	7	0.6	100.0	0.5	100.0	5.2	2.0	0.5	-	0.5	1.2	1.0	16	18	71.4	0.0	
a. Other specified	1	2	0	0	0	3	3	0.3	50.0	0.2	42.9	2.6	1.3	-	-	-	0.6	0.5	8	8	100.0	0.0	
b. Other unspecified	1	1	1	0	1	3	4	0.3	50.0	0.3	57.1	2.6	0.7	0.5	-	0.5	0.6	0.5	8	10	50.0	0.0	
<b>TOTAL</b>	115	354	249	301	418	1019	1437	100.0	100.0	100.0	100.0	297.6	230.7	126.3	145.2	196.0	177.4	181.6	2579	3559	89.1	0.3	

† includes 84 non-malignant ‡ includes 6 non-malignant

Please consult the quality indicators for this registry

## USA, Arkansas, 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		
<b>I LEUKAEMIA</b>	11	70	39	32	31	152	183	52.9	47.4	1.2	1.2	7	65	27	27	21	126	147	46.7	40.8				
a. Lymphoid	4	58	34	24	20	120	140	41.7	36.4	1.2	1.3	3	56	21	18	9	98	107	36.7	30.4				
b. Acute myeloid	5	6	4	7	4	22	26	7.5	6.6	1.1	1.0	2	8	4	6	5	20	25	7.2	6.7				
c. CMD	1	1	1	0	5	3	8	1.1	1.9	0.8	0.8	0	0	2	2	6	4	10	1.2	2.3				
d. MDS & other	1	3	0	0	0	4	4	1.6	1.2	1.3	1.0	2	1	0	0	1	3	4	1.2	1.2				
e. Unspecified	0	2	0	1	2	3	5	1.1	1.2	3.0	5.0	0	0	0	1	0	1	1	0.3	0.2				
<b>II LYMPHOMA &amp; RELATED</b>	7	11	17	34	50	69	119	21.7	27.1	2.1	1.5	1	8	6	18	49	33	82	10.9	19.1				
a. Hodgkin	0	0	5	18	30	23	53	6.5	11.2	3.8	1.2	0	0	1	5	37	6	43	1.8	9.4				
b. Non-Hodgkin except BL	4	3	8	10	11	25	36	8.0	8.5	1.3	1.2	0	6	3	10	11	19	30	6.4	7.3				
c. Burkitt (BL)	0	0	2	3	7	5	12	1.5	2.6	1.3	2.4	0	0	2	2	1	4	5	1.2	1.2				
d. Lymphoreticular	1	8	2	3	1	14	15	5.0	4.1	3.5	3.8	1	2	0	1	0	4	4	1.5	1.2				
e. Unspecified	2	0	0	0	1	2	3	0.8	0.8	-	-	0	0	0	0	0	0	0	-	-				
<b>III CNS NEOPLASMS †</b>	7	39	53	47	34	146	180	47.7	44.0	1.2	1.1	7	32	39	44	41	122	163	42.0	41.4				
a. Ependymoma	2	3	3	4	1	12	13	4.0	3.3	2.0	1.9	0	3	2	1	1	6	7	2.2	1.9				
b. Astrocytoma	1	13	23	22	10	59	69	18.8	16.6	1.1	1.0	1	14	15	26	12	56	68	18.8	17.1				
c. CNS embryonal	1	10	10	7	5	28	33	9.4	8.3	1.3	1.6	3	6	7	5	0	21	21	7.5	5.8				
d. Other gliomas	0	7	8	5	3	20	23	6.7	5.8	1.1	1.0	0	5	10	3	5	18	23	6.3	6.0				
e. Other specified	2	3	5	5	11	15	26	4.9	6.1	0.9	0.7	2	1	5	8	19	16	35	5.2	8.2				
f. Unspecified CNS	1	3	4	4	4	12	16	3.9	3.9	2.4	1.8	1	3	0	1	4	5	9	1.9	2.4				
<b>IV NEUROBLASTOMA</b>	15	22	4	0	1	41	42	15.8	12.4	1.1	1.1	15	19	3	0	1	37	38	15.1	11.9				
a. (Ganglio)neuroblastoma	15	20	4	0	0	39	39	15.0	11.6	1.1	1.0	15	19	3	0	1	37	38	15.1	11.9				
b. Peripheral nervous	0	2	0	0	1	2	3	0.8	0.8	-	-	0	0	0	0	0	0	0	-	-				
<b>V RETINOBLASTOMA</b>	8	7	0	0	0	15	15	5.9	4.6	1.7	1.7	5	4	0	0	0	9	9	3.7	2.9				
<b>VI RENAL TUMOURS</b>	4	10	9	1	2	24	26	8.6	7.1	1.0	1.0	7	11	6	1	2	25	27	9.8	8.0				
a. Nephroblastoma	4	10	8	1	0	23	23	8.3	6.4	1.0	1.0	6	11	6	1	0	24	24	9.4	7.3				
b. Renal carcinoma	0	0	0	0	2	0	2	-	0.4	0.0	0.7	1	0	0	0	2	1	3	0.4	0.8				
c. Unspecified	0	0	1	0	0	1	1	0.3	0.2	-	-	0	0	0	0	0	0	0	-	-				
<b>VII HEPATIC TUMOURS</b>	3	7	0	0	2	10	12	3.9	3.4	3.3	3.0	1	1	0	1	1	3	4	1.1	1.1				
a. Hepatoblastoma	3	7	0	0	0	10	10	3.9	3.0	5.0	5.0	1	1	0	0	0	2	2	0.8	0.6				
b. Hepatic carcinoma	0	0	0	0	2	0	2	-	0.4	0.0	1.0	0	0	0	1	1	1	2	0.3	0.4				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>VIII BONE TUMOURS</b>	0	0	6	11	17	17	34	4.9	7.3	0.7	1.0	0	3	5	15	11	23	34	7.3	8.0				
a. Osteosarcoma	0	0	3	3	6	6	12	1.8	2.6	0.4	0.6	0	0	3	11	6	14	20	4.2	4.5				
b. Chondrosarcoma	0	0	0	0	1	0	1	-	0.2	-	-	0	0	0	0	0	0	0	-	-				
c. Ewing & related	0	0	3	8	10	11	21	3.1	4.5	1.6	2.3	0	2	2	3	2	7	9	2.4	2.3				
d. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	1	2	2	4	0.7	1.0				
e. Unspecified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	1	0	1	1	-	0.2				
<b>IX SOFT TISSUE SARCOMA</b>	3	11	8	12	20	34	54	11.3	12.9	1.0	1.3	1	12	10	10	10	33	43	11.6	11.2				
a. Rhabdomyosarcoma	0	8	6	4	4	18	22	6.1	5.6	1.1	1.2	0	10	6	1	2	17	19	6.5	5.4				
b. Fibrosarcoma	2	0	0	1	2	3	5	1.1	1.2	1.5	2.5	1	0	0	1	0	2	2	0.7	0.5				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	1	1	2	5	11	9	20	2.8	4.4	0.8	1.1	0	2	4	5	7	11	18	3.6	4.3				
e. Unspecified	0	2	0	2	3	4	7	1.3	1.6	1.3	1.8	0	0	0	3	1	3	4	0.9	0.9				
<b>X GERM CELL TUMOURS</b>	2	6	1	3	30	12	42	4.3	9.5	0.5	1.3	2	6	4	11	10	23	33	7.8	8.2				
a. CNS germ cell ‡	0	2	1	2	5	5	10	1.6	2.3	1.0	2.0	0	3	2	0	0	5	5	1.9	1.5				
b. Other extragonadal	1	2	0	0	1	3	4	1.2	1.1	1.0	1.3	2	1	0	0	0	3	3	1.2	1.0				
c. Gonadal germ cell	1	2	0	1	23	4	27	1.4	5.8	0.3	1.4	0	2	2	9	7	13	20	4.1	4.7				
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	0.2	0.0	0.3	0	0	0	1	2	1	3	0.3	0.7				
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	0.3	0.4				
<b>XI CARCINOMA &amp; MELANOMA</b>	3	3	5	15	27	26	53	8.0	11.8	0.8	0.6	4	4	6	19	57	33	90	10.8	20.8				
a. Adrenocortical	0	1	0	0	0	1	1	0.4	0.3	0.5	0.5	1	0	1	0	0	2	2	0.8	0.6				
b. Thyroid	0	2	0	3	12	5	17	1.6	3.7	0.3	0.4	0	0	2	13	30	15	45	4.4	9.9				
c. Nasopharyngeal	0	0	2	3	0	5	5	1.5	1.1	-	5.0	0	0	0	0	1	0	1	-	0.2				
d. Melanoma	3	0	3	4	5	10	15	3.2	3.5	1.1	0.6	3	2	2	2	15	9	24	3.3	5.8				
e. Skin carcinoma	0	0	0	1	1	1	2	0.3	0.4	-	-	0	0	0	0	0	0	0	-	-				
f. Other & unspecified	0	0	0	4	9	4	13	1.1	2.7	0.6	0.7	0	2	1	4	11	7	18	2.3	4.2				
<b>XII OTHER &amp; UNSPECIFIED</b>	2	2	0	0	1	4	5	1.6	1.4	2.0	2.5	0	1	1	0	0	2	2	0.8	0.6				
a. Other specified	1	1	0	0	0	2	2	0.8	0.6	2.0	2.0	0	1	0	0	0	1	1	0.4	0.3				
b. Other unspecified	1	1	0	0	1	2	3	0.8	0.8	2.0	3.0	0	0	1	0	0	1	1	0.3	0.3				
<b>TOTAL</b>	65	188	142	155	215	550	765	186.7	188.8	1.2	1.1	50	166	107	146	203	469	672	167.7	174.0				

† includes 45 non-malignant in males and 39 non-malignant in females ‡ includes 1 non-malignant in males and 5 non-malignant in females

Please consult the quality indicators for this registry

## USA, Arkansas, NH White (1998-2012)

	Age group	Males	Females
Person-years	0	199 135	187 267
	1-4	788 213	746 323
	5-9	1 011 930	959 049
	10-14	1 066 066	1 006 414
	15-19	1 096 101	1 036 199
Total	0-14	3 065 344	2 899 053
	0-19	4 161 445	3 935 252
Average annual population	0-14	204 356	193 270
	0-19	277 430	262 350

Please consult the quality indicators for this registry