

## USA, Oklahoma, 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
<b>I LEUKAEMIA</b>	28	153	107	60	85	348	433	31.1	100.0	26.1	100.0	60.3	83.0	45.7	24.2	32.1	52.1	47.6	742	902	98.4	0.2
a. Lymphoid	12	130	88	41	50	271	321	24.2	77.9	19.3	74.1	25.8	70.5	37.6	16.6	18.9	40.8	35.8	578	673	98.4	0.0
b. Acute myeloid	9	17	16	9	20	51	71	4.6	14.7	4.3	16.4	19.4	9.2	6.8	3.6	7.5	7.6	7.6	109	146	98.6	0.0
c. CMD	3	1	0	4	9	8	17	0.7	2.3	1.0	3.9	6.5	0.5	-	1.6	3.4	1.1	1.6	17	34	100.0	0.0
d. MDS & other	1	4	2	2	1	9	10	0.8	2.6	0.6	2.3	2.2	2.2	0.9	0.8	0.4	1.3	1.1	19	21	100.0	0.0
e. Unspecified	3	1	1	4	5	9	14	0.8	2.6	0.8	3.2	6.5	0.5	0.4	1.6	1.9	1.3	1.4	19	28	92.9	7.1
<b>II LYMPHOMA &amp; RELATED</b>	2	24	39	49	122	114	236	10.2	100.0	14.2	100.0	4.3	13.0	16.7	19.8	46.0	15.5	22.4	239	469	98.7	0.8
a. Hodgkin	0	0	8	24	89	32	121	2.9	28.1	7.3	51.3	-	-	3.4	9.7	33.6	3.9	10.6	66	233	99.2	0.0
b. Non-Hodgkin except BL	0	17	15	15	26	47	73	4.2	41.2	4.4	30.9	-	9.2	6.4	6.1	9.8	6.7	7.4	99	148	98.6	1.4
c. Burkitt (BL)	0	1	14	7	3	22	25	2.0	19.3	1.5	10.6	-	0.5	6.0	2.8	1.1	2.9	2.5	46	52	100.0	0.0
d. Lymphoreticular	2	6	0	2	2	10	12	0.9	8.8	0.7	5.1	4.3	3.3	-	0.8	0.8	1.6	1.4	21	25	91.7	8.3
e. Unspecified	0	0	2	1	2	3	5	0.3	2.6	0.3	2.1	-	-	0.9	0.4	0.8	0.4	0.5	6	10	100.0	0.0
<b>III CNS NEOPLASMS †</b>	12	74	98	67	82	251	333	22.5	100.0	20.0	100.0	25.8	40.1	41.8	27.1	30.9	35.8	34.7	531	686	79.0	0.6
a. Ependymoma	0	9	6	5	3	20	23	1.8	8.0	1.4	6.9	-	4.9	2.6	2.0	1.1	2.9	2.5	42	48	91.3	0.0
b. Astrocytoma	5	31	37	27	32	100	132	8.9	39.8	7.9	39.6	10.8	16.8	15.8	10.9	12.1	14.3	13.8	212	272	89.4	0.0
c. CNS embryonal	7	19	18	12	8	56	64	5.0	22.3	3.9	19.2	15.1	10.3	7.7	4.8	3.0	8.2	7.1	119	134	98.4	0.0
d. Other gliomas	0	10	13	7	11	30	41	2.7	12.0	2.5	12.3	-	5.4	5.6	2.8	4.1	4.3	4.3	64	84	41.5	0.0
e. Other specified	0	5	17	8	24	30	54	2.7	12.0	3.3	16.2	-	2.7	7.3	3.2	9.1	4.1	5.2	63	109	68.5	0.0
f. Unspecified CNS	0	0	7	8	4	15	19	1.3	6.0	1.1	5.7	-	-	3.0	3.2	1.5	1.9	1.8	31	39	36.8	10.5
<b>IV NEUROBLASTOMA</b>	26	50	5	3	2	84	86	7.5	100.0	5.2	100.0	56.0	27.1	2.1	1.2	0.8	13.8	10.9	181	185	98.8	0.0
a. (Ganglio)neuroblastoma	26	50	5	2	1	83	84	7.4	98.8	5.1	97.7	56.0	27.1	2.1	0.8	0.4	13.7	10.7	179	181	98.8	0.0
b. Peripheral nervous	0	0	0	1	1	1	2	0.1	1.2	0.1	2.3	-	-	-	0.4	0.4	0.1	0.2	2	4	100.0	0.0
<b>V RETINOBLASTOMA</b>	8	8	3	0	0	19	19	1.7	100.0	1.1	100.0	17.2	4.3	1.3	-	-	3.1	2.4	41	41	73.7	0.0
<b>VI RENAL TUMOURS</b>	13	44	12	4	5	73	78	6.5	100.0	4.7	100.0	28.0	23.9	5.1	1.6	1.9	11.7	9.5	157	167	97.4	0.0
a. Nephroblastoma	13	44	12	4	0	73	73	6.5	100.0	4.4	93.6	28.0	23.9	5.1	1.6	-	11.7	9.1	157	157	98.6	0.0
b. Renal carcinoma	0	0	0	0	4	0	4	-	-	0.2	5.1	-	-	-	-	1.5	-	0.3	-	8	75.0	0.0
c. Unspecified	0	0	0	0	1	0	1	-	-	0.1	1.3	-	-	-	-	0.4	-	0.1	-	2	100.0	0.0
<b>VII HEPATIC TUMOURS</b>	3	10	3	7	8	23	31	2.1	100.0	1.9	100.0	6.5	5.4	1.3	2.8	3.0	3.4	3.3	49	64	80.6	3.2
a. Hepatoblastoma	3	9	2	2	2	16	18	1.4	69.6	1.1	58.1	6.5	4.9	0.9	0.8	0.8	2.5	2.1	34	38	83.3	0.0
b. Hepatic carcinoma	0	1	1	4	6	6	12	0.5	26.1	0.7	38.7	-	0.5	0.4	1.6	2.3	0.8	1.1	12	24	75.0	8.3
c. Unspecified	0	0	0	1	0	1	1	0.1	4.3	0.1	3.2	-	-	-	0.4	-	0.1	0.1	2	2	100.0	0.0
<b>VIII BONE TUMOURS</b>	0	2	17	27	44	46	90	4.1	100.0	5.4	100.0	-	1.1	7.3	10.9	16.6	5.8	8.3	95	178	97.8	0.0
a. Osteosarcoma	0	0	8	13	22	21	43	1.9	45.7	2.6	47.8	-	-	3.4	5.3	8.3	2.6	3.9	43	85	100.0	0.0
b. Chondrosarcoma	0	0	0	0	2	0	2	-	-	0.1	2.2	-	-	-	-	0.8	-	0.2	-	4	100.0	0.0
c. Ewing & related	0	2	7	11	17	20	37	1.8	43.5	2.2	41.1	-	1.1	3.0	4.4	6.4	2.6	3.5	41	74	100.0	0.0
d. Other specified	0	0	0	1	2	1	3	0.1	2.2	0.2	3.3	-	-	-	0.4	0.8	0.1	0.3	2	6	100.0	0.0
e. Unspecified	0	0	2	2	1	4	5	0.4	8.7	0.3	5.6	-	-	0.9	0.8	0.4	0.5	0.5	8	10	60.0	0.0
<b>IX SOFT TISSUE SARCOMA</b>	9	24	11	21	39	65	104	5.8	100.0	6.3	100.0	19.4	13.0	4.7	8.5	14.7	9.5	10.7	137	211	100.0	0.0
a. Rhabdomyosarcoma	5	14	8	5	7	32	39	2.9	49.2	2.3	37.5	10.8	7.6	3.4	2.0	2.6	4.9	4.4	68	82	100.0	0.0
b. Fibrosarcoma	2	2	1	2	5	7	12	0.6	10.8	0.7	11.5	4.3	1.1	0.4	0.8	1.9	1.0	1.2	15	24	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	1	6	1	12	23	20	43	1.8	30.8	2.6	41.3	2.2	3.3	0.4	4.8	8.7	2.7	4.1	42	85	100.0	0.0
e. Unspecified	1	2	1	2	4	6	10	0.5	9.2	0.6	9.6	2.2	1.1	0.4	0.8	1.5	0.9	1.0	13	20	100.0	0.0
<b>X GERM CELL TUMOURS</b>	7	6	6	10	57	29	86	2.6	100.0	5.2	100.0	15.1	3.3	2.6	4.0	21.5	4.2	8.1	61	169	95.3	0.0
a. CNS germ cell ‡	0	1	4	2	6	7	13	0.6	24.1	0.8	15.1	-	0.5	1.7	0.8	2.3	1.0	1.2	15	26	76.9	0.0
b. Other extragonadal	7	2	0	0	1	9	10	0.8	31.0	0.6	11.6	15.1	1.1	-	-	0.4	1.5	1.3	20	21	100.0	0.0
c. Gonadal germ cell	0	3	2	8	35	13	48	1.2	44.8	2.9	55.8	-	1.6	0.9	3.2	13.2	1.7	4.3	27	93	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	9	0	9	-	-	0.5	10.5	-	-	-	-	3.4	-	0.8	-	17	100.0	0.0
e. Unspecified gonadal	0	0	0	0	6	0	6	-	-	0.4	7.0	-	-	-	-	2.3	-	0.5	-	11	83.3	0.0
<b>XI CARCINOMA &amp; MELANOMA</b>	1	4	15	36	96	56	152	5.0	100.0	9.2	100.0	2.2	2.2	6.4	14.5	36.2	7.1	13.7	116	297	99.3	0.0
a. Adrenocortical	0	1	1	0	1	2	3	0.2	3.6	0.2	2.0	-	0.5	0.4	-	0.4	0.3	0.3	4	6	66.7	0.0
b. Thyroid	0	0	3	13	33	16	49	1.4	28.6	3.0	32.2	-	-	1.3	5.3	12.4	1.9	4.3	33	95	100.0	0.0
c. Nasopharyngeal	0	0	0	3	3	3	6	0.3	5.4	0.4	3.9	-	-	-	1.2	1.1	0.4	0.5	6	12	100.0	0.0
d. Melanoma	1	3	7	12	44	23	67	2.1	41.1	4.0	44.1	2.2	1.6	3.0	4.8	16.6	3.0	6.1	48	131	100.0	0.0
e. Skin carcinoma	0	0	0	1	1	1	2	0.1	1.8	0.1	1.3	-	-	-	0.4	0.4	0.1	0.2	2	4	100.0	0.0
f. Other & unspecified	0	0	4	7	14	11	25	1.0	19.6	1.5	16.4	-	-	1.7	2.8	5.3	1.4	2.3	23	49	100.0	0.0
<b>XII OTHER &amp; UNSPECIFIED</b>	3	3	3	1	3	10	13	0.9	100.0	0.8	100.0	6.5	1.6	1.3	0.4	1.1	1.5	1.4	21	27	61.5	15.4
a. Other specified	0	0	1	0	1	1	2	0.1	10.0	0.1	15.4	-	-	0.4	-	0.4	0.1	0.2	2	4	100.0	0.0
b. Other unspecified	3	3	2	1	2	9	11	0.8	90.0	0.7	84.6	6.5	1.6	0.9	0.4	0.8	1.4	1.3	19	23	54.5	18.2
<b>TOTAL</b>	112	402	319	285	543	1118	1661	100.0	100.0	100.0	100.0	241.3	218.1	136.2	115.1	204.9	163.6	172.9	2370	3395	93.6	0.5

† includes 65 non-malignant ‡ includes 1 non-malignant

Please consult the quality indicators for this registry

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

	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		
<b>I LEUKAEMIA</b>	15	85	64	34	51	198	249	57.6	53.0	1.3	1.4	13	68	43	26	34	150	184	46.4	41.9		
a. Lymphoid	6	74	56	26	32	162	194	47.1	41.8	1.5	1.5	6	56	32	15	18	109	127	34.1	29.6		
b. Acute myeloid	7	7	6	4	11	24	35	7.1	7.3	0.9	1.0	2	10	10	5	9	27	36	8.2	7.9		
c. CMD	1	0	0	2	4	3	7	0.8	1.3	0.6	0.7	2	1	0	2	5	5	10	1.5	2.0		
d. MDS & other	1	3	2	2	1	8	9	2.3	1.9	8.0	9.0	0	1	0	0	0	1	1	0.3	0.3		
e. Unspecified	0	1	0	0	3	1	4	0.3	0.7	0.1	0.4	3	0	1	4	2	8	10	2.3	2.1		
<b>II LYMPHOMA &amp; RELATED</b>	2	15	33	31	62	81	143	21.5	26.9	2.5	1.5	0	9	6	18	60	33	93	9.1	17.6		
a. Hodgkin	0	0	7	13	41	20	61	4.8	10.5	1.7	1.0	0	0	1	11	48	12	60	2.9	10.7		
b. Non-Hodgkin except BL	0	10	12	10	17	32	49	8.8	9.6	2.1	2.0	0	7	3	5	9	15	24	4.5	5.0		
c. Burkitt (BL)	0	1	12	6	2	19	21	4.9	4.1	6.3	5.3	0	0	2	1	1	3	4	0.8	0.8		
d. Lymphoreticular	2	4	0	1	1	7	8	2.2	1.9	2.3	2.0	0	2	0	1	1	3	4	0.9	0.9		
e. Unspecified	0	0	2	1	1	3	4	0.8	0.8	-	4.0	0	0	0	0	1	0	1	-	0.2		
<b>III CNS NEOPLASMS †</b>	6	40	54	33	42	133	175	37.0	35.6	1.1	1.1	6	34	44	34	40	118	158	34.5	33.7		
a. Ependymoma	0	6	3	3	3	12	15	3.4	3.2	1.5	1.9	0	3	3	2	0	8	8	2.4	1.8		
b. Astrocytoma	3	13	25	13	18	54	72	14.9	14.5	1.2	1.2	2	18	12	14	14	46	60	13.7	13.0		
c. CNS embryonal	3	12	9	7	7	31	38	8.9	8.1	1.2	1.5	4	7	9	5	1	25	26	7.6	6.0		
d. Other gliomas	0	7	6	3	4	16	20	4.6	4.2	1.1	1.0	0	3	7	4	7	14	21	4.0	4.3		
e. Other specified	0	2	7	3	7	12	19	3.2	3.6	0.7	0.5	0	3	10	5	17	18	35	5.1	6.9		
f. Unspecified CNS	0	0	4	4	3	8	11	2.0	2.0	1.1	1.4	0	0	3	4	1	7	8	1.8	1.6		
<b>IV NEUROBLASTOMA</b>	18	30	1	2	2	51	53	16.4	13.0	1.5	1.6	8	20	4	1	0	33	33	11.0	8.6		
a. (Ganglio)neuroblastoma	18	30	1	2	1	51	52	16.4	12.9	1.6	1.6	8	20	4	0	0	32	32	10.8	8.4		
b. Peripheral nervous	0	0	0	0	1	0	1	-	0.2	0.0	1.0	0	0	0	1	0	1	1	0.2	0.2		
<b>V RETINOBLASTOMA</b>	3	6	1	0	0	10	10	3.2	2.5	1.1	1.1	5	2	2	0	0	9	9	3.0	2.3		
<b>VI RENAL TUMOURS</b>	7	18	5	1	3	31	34	9.7	8.0	0.7	0.8	6	26	7	3	2	42	44	13.8	11.0		
a. Nephroblastoma	7	18	5	1	0	31	31	9.7	7.5	0.7	0.7	6	26	7	3	0	42	42	13.8	10.7		
b. Renal carcinoma	0	0	0	0	2	0	2	-	0.3	-	1.0	0	0	0	0	2	0	2	-	0.3		
c. Unspecified	0	0	0	0	1	0	1	-	0.2	-	-	0	0	0	0	0	0	0	-	-		
<b>VII HEPATIC TUMOURS</b>	3	5	1	4	4	13	17	3.8	3.6	1.3	1.2	0	5	2	3	4	10	14	3.0	3.0		
a. Hepatoblastoma	3	4	1	0	2	8	10	2.6	2.3	1.0	1.3	0	5	1	2	0	8	8	2.5	1.9		
b. Hepatic carcinoma	0	1	0	3	2	4	6	1.0	1.1	2.0	1.0	0	0	1	1	4	2	6	0.5	1.1		
c. Unspecified	0	0	0	1	0	1	1	0.2	0.2	-	-	0	0	0	0	0	0	0	-	-		
<b>VIII BONE TUMOURS</b>	0	1	7	13	29	21	50	5.2	8.8	0.8	1.3	0	1	10	14	15	25	40	6.6	7.7		
a. Osteosarcoma	0	0	5	5	13	10	23	2.5	4.1	0.9	1.1	0	0	3	8	9	11	20	2.8	3.7		
b. Chondrosarcoma	0	0	0	0	2	0	2	-	0.3	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	1	1	6	12	8	20	2.0	3.5	0.7	1.2	0	1	6	5	5	12	17	3.2	3.4		
d. Other specified	0	0	0	1	1	1	2	0.2	0.3	-	2.0	0	0	0	0	1	0	1	-	0.2		
e. Unspecified	0	0	1	1	1	2	3	0.5	0.5	1.0	1.5	0	0	1	1	0	2	2	0.5	0.4		
<b>IX SOFT TISSUE SARCOMA</b>	6	14	10	9	23	39	62	11.3	12.5	1.5	1.5	3	10	1	12	16	26	42	7.7	8.7		
a. Rhabdomyosarcoma	3	9	7	2	6	21	27	6.2	5.8	1.9	2.3	2	5	1	3	1	11	12	3.4	2.8		
b. Fibrosarcoma	1	1	1	2	2	5	7	1.4	1.4	2.5	1.4	1	1	0	0	3	2	5	0.7	1.1		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	1	3	1	5	12	10	22	2.7	4.1	1.0	1.0	0	3	0	7	11	10	21	2.7	4.0		
e. Unspecified	1	1	1	0	3	3	6	0.9	1.2	1.0	1.5	0	1	0	2	1	3	4	0.8	0.8		
<b>X GERM CELL TUMOURS</b>	1	4	1	3	40	9	49	2.6	8.6	0.5	1.3	6	2	5	7	17	20	37	5.9	7.5		
a. CNS germ cell ‡	0	1	1	1	6	3	9	0.8	1.6	0.8	2.3	0	0	3	1	0	4	4	1.1	0.8		
b. Other extragonadal	1	0	0	0	1	1	2	0.3	0.4	0.1	0.3	6	2	0	0	0	8	8	2.8	2.1		
c. Gonadal germ cell	0	3	0	2	30	5	35	1.4	6.1	0.6	2.7	0	0	2	6	5	8	13	2.0	2.4		
d. Gonadal carcinoma	0	0	0	0	2	0	2	-	0.3	-	0.3	0	0	0	0	7	0	7	-	1.2		
e. Unspecified gonadal	0	0	0	0	1	0	1	-	0.2	-	0.2	0	0	0	0	5	0	5	-	0.9		
<b>XI CARCINOMA &amp; MELANOMA</b>	0	3	7	18	26	28	54	7.0	9.7	1.0	0.6	1	1	8	18	70	28	98	7.3	17.9		
a. Adrenocortical	0	1	0	0	0	1	1	0.3	0.3	1.0	0.5	0	0	1	0	1	1	2	0.3	0.4		
b. Thyroid	0	0	2	3	4	5	9	1.2	1.6	0.5	0.2	0	0	1	10	29	11	40	2.7	7.2		
c. Nasopharyngeal	0	0	0	2	1	2	3	0.5	0.5	2.0	1.0	0	0	0	1	2	1	3	0.2	0.5		
d. Melanoma	0	2	3	7	17	12	29	3.1	5.2	1.1	0.8	1	1	4	5	27	11	38	3.0	7.1		
e. Skin carcinoma	0	0	0	1	0	1	1	0.2	0.2	-	1.0	0	0	0	0	1	0	1	-	0.2		
f. Other & unspecified	0	0	2	5	4	7	11	1.7	2.0	1.8	0.8	0	0	2	2	10	4	14	1.0	2.6		
<b>XII OTHER &amp; UNSPECIFIED</b>	2	2	2	1	1	7	8	2.1	1.8	2.3	1.6	1	1	1	0	2	3	5	1.0	1.1		
a. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	1	1	2	0.3	0.4		
b. Other unspecified	2	2	2	1	1	7	8	2.1	1.8	3.5	2.7	1	1	0	0	1	2	3	0.7	0.7		
<b>TOTAL</b>	63	223	186	149	283	621	904	177.3	184.1	1.2	1.2	49	179	133	136	260	497	757	149.1	161.0		

† includes 26 non-malignant in males and 39 non-malignant in females ‡ includes 1 non-malignant in females

Please consult the quality indicators for this registry

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

	Age group	Males	Females
Person-years	0	238 585	225 657
	1-4	947 443	895 759
	5-9	1 203 867	1 138 076
	10-14	1 269 619	1 205 834
	15-19	1 363 646	1 287 058
Total	0-14	3 659 514	3 465 326
	0-19	5 023 160	4 752 384
Average annual population	0-14	243 968	231 022
	0-19	334 877	316 826

Please consult the quality indicators for this registry