

USA, Ohio, 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
I LEUKAEMIA	80	611	320	256	251	1267	1518	29.2	100.0	23.5	100.0	48.6	90.2	35.5	26.6	25.4	50.9	45.2	721	848	97.6	0.1	
a. Lymphoid	29	505	264	166	130	964	1094	22.2	76.1	16.9	72.1	17.6	74.5	29.3	17.3	13.2	39.0	33.2	550	616	99.2	0.0	
b. Acute myeloid	37	68	34	58	71	197	268	4.5	15.5	4.1	17.7	22.5	10.0	3.8	6.0	7.2	7.8	7.7	111	147	98.5	0.4	
c. CMD	3	8	11	18	29	40	69	0.9	3.2	1.1	4.5	1.8	1.2	1.2	1.9	2.9	1.4	1.8	22	37	75.4	0.0	
d. MDS & other	9	22	6	8	11	45	56	1.0	3.6	0.9	3.7	5.5	3.2	0.7	0.8	1.1	1.9	1.7	26	31	94.6	0.0	
e. Unspecified	2	8	5	6	10	21	31	0.5	1.7	0.5	2.0	1.2	1.2	0.6	0.6	1.0	0.8	0.9	12	17	90.3	3.2	
II LYMPHOMA & RELATED	24	51	129	241	503	445	948	10.2	100.0	14.7	100.0	14.6	7.5	14.3	25.0	50.9	15.3	23.4	241	496	99.4	0.0	
a. Hodgkin	0	4	27	126	335	157	492	3.6	35.3	7.6	51.9	-	0.6	3.0	13.1	33.9	5.0	11.5	83	253	99.8	0.0	
b. Non-Hodgkin except BL	10	15	51	63	123	139	262	3.2	31.2	4.1	27.6	6.1	2.2	5.7	6.5	12.5	4.9	6.6	76	138	100.0	0.0	
c. Burkitt (BL)	0	17	37	38	36	92	128	2.1	20.7	2.0	13.5	-	2.5	4.1	3.9	3.6	3.3	3.3	50	69	100.0	0.0	
d. Lymphoreticular	14	14	13	9	5	50	55	1.2	11.2	0.9	5.8	8.5	2.1	1.4	0.9	0.5	2.0	1.7	29	31	92.7	0.0	
e. Unspecified	0	1	1	5	4	7	11	0.2	1.6	0.2	1.2	-	0.1	0.1	0.5	0.4	0.2	0.3	4	6	90.9	0.0	
III CNS NEOPLASMS †	63	365	354	355	345	1137	1482	26.2	100.0	22.9	100.0	38.2	53.9	39.3	36.9	34.9	43.1	41.2	635	810	78.3	0.4	
a. Ependymoma	13	43	19	27	22	102	124	2.3	9.0	1.9	8.4	7.9	6.3	2.1	2.8	2.2	4.1	3.7	58	69	97.6	0.0	
b. Astrocytoma	21	171	153	145	121	490	611	11.3	43.1	9.5	41.2	12.7	25.2	17.0	15.1	12.3	18.7	17.2	274	336	79.4	0.2	
c. CNS embryonal	15	82	74	46	31	217	248	5.0	19.1	3.8	16.7	9.1	12.1	8.2	4.8	3.1	8.5	7.3	123	138	98.4	0.8	
d. Other gliomas	6	36	61	58	60	161	221	3.7	14.2	3.4	14.9	3.6	5.3	6.8	6.0	6.1	5.9	5.9	89	119	46.6	0.0	
e. Other specified	5	27	41	67	103	140	243	3.2	12.3	3.8	16.4	3.0	4.0	4.6	7.0	10.4	5.0	6.2	77	129	81.5	0.0	
f. Unspecified CNS	3	6	6	12	8	27	35	0.6	2.4	0.5	2.4	1.8	0.9	0.7	1.2	0.8	1.0	1.0	15	19	25.7	8.6	
IV NEUROBLASTOMA	113	135	26	7	2	281	283	6.5	100.0	4.4	100.0	68.6	19.9	2.9	0.7	0.2	12.5	9.8	165	166	98.6	0.4	
a. (Ganglio)neuroblastoma	113	134	26	6	0	279	279	6.4	99.3	4.3	98.6	68.6	19.8	2.9	0.6	-	12.5	9.7	164	164	98.6	0.4	
b. Peripheral nervous	0	1	0	1	2	2	4	0.0	0.7	0.1	1.4	-	0.1	-	0.1	0.2	0.1	0.1	1	2	100.0	0.0	
V RETINOBLASTOMA	41	50	4	0	0	95	95	2.2	100.0	1.5	100.0	24.9	7.4	0.4	-	-	4.3	3.4	56	56	78.9	0.0	
VI RENAL TUMOURS	29	137	57	7	10	230	240	5.3	100.0	3.7	100.0	17.6	20.2	6.3	0.7	1.0	9.9	7.9	134	139	99.6	0.0	
a. Nephroblastoma	29	137	56	3	1	225	226	5.2	97.8	3.5	94.2	17.6	20.2	6.2	0.3	0.1	9.7	7.6	131	132	99.6	0.0	
b. Renal carcinoma	0	0	1	4	9	5	14	0.1	2.2	0.2	5.8	-	-	0.1	0.4	0.9	0.2	0.3	3	7	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VII HEPATIC TUMOURS	21	41	6	16	9	84	93	1.9	100.0	1.4	100.0	12.7	6.1	0.7	1.7	0.9	3.5	3.0	48	53	95.7	0.0	
a. Hepatoblastoma	21	40	3	5	0	69	69	1.6	82.1	1.1	74.2	12.7	5.9	0.3	0.5	-	3.1	2.4	40	40	97.1	0.0	
b. Hepatic carcinoma	0	1	3	10	9	14	23	0.3	16.7	0.4	24.7	-	0.1	0.3	1.0	0.9	0.5	0.6	7	12	91.3	0.0	
c. Unspecified	0	0	0	1	0	1	1	0.0	1.2	0.0	1.1	-	-	-	0.1	-	0.0	0.0	1	1	100.0	0.0	
VIII BONE TUMOURS	4	8	45	137	117	194	311	4.5	100.0	4.8	100.0	2.4	1.2	5.0	14.2	11.9	6.3	7.5	103	163	100.0	0.0	
a. Osteosarcoma	1	4	18	81	60	104	164	2.4	53.6	2.5	52.7	0.6	0.6	2.0	8.4	6.1	3.3	3.9	55	85	100.0	0.0	
b. Chondrosarcoma	0	0	2	2	8	4	12	0.1	2.1	0.2	3.9	-	-	0.2	0.2	0.8	0.1	0.3	2	6	100.0	0.0	
c. Ewing & related	0	4	23	49	36	76	112	1.7	39.2	1.7	36.0	-	0.6	2.6	5.1	3.6	2.5	2.7	41	59	100.0	0.0	
d. Other specified	3	0	2	5	9	10	19	0.2	5.2	0.3	6.1	1.8	-	0.2	0.5	0.9	0.4	0.5	5	10	100.0	0.0	
e. Unspecified	0	0	0	0	4	0	4	-	-	0.1	1.3	-	-	-	-	0.4	-	0.1	-	2	2	100.0	0.0
IX SOFT TISSUE SARCOMA	29	79	69	107	144	284	428	6.5	100.0	6.6	100.0	17.6	11.7	7.7	11.1	14.6	10.7	11.5	158	231	99.8	0.0	
a. Rhabdomyosarcoma	10	53	38	27	34	128	162	2.9	45.1	2.5	37.9	6.1	7.8	4.2	2.8	3.4	5.1	4.7	73	90	100.0	0.0	
b. Fibrosarcoma	10	4	4	9	26	27	53	0.6	9.5	0.8	12.4	6.1	0.6	0.4	0.9	2.6	1.1	1.4	15	28	98.1	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	6	17	24	51	72	98	170	2.3	34.5	2.6	39.7	3.6	2.5	2.7	5.3	7.3	3.5	4.3	53	90	100.0	0.0	
e. Unspecified	3	5	3	20	12	31	43	0.7	10.9	0.7	10.0	1.8	0.7	0.3	2.1	1.2	1.1	1.1	17	23	100.0	0.0	
X GERM CELL TUMOURS	34	20	17	59	262	130	392	3.0	100.0	6.1	100.0	20.6	3.0	1.9	6.1	26.5	4.9	9.7	72	205	96.4	0.3	
a. CNS germ cell ‡	8	4	10	22	21	44	65	1.0	33.8	1.0	16.6	4.9	0.6	1.1	2.3	2.1	1.6	1.7	24	35	81.5	0.0	
b. Other extragonadal	16	11	1	0	11	28	39	0.6	21.5	0.6	9.9	9.7	1.6	0.1	-	1.1	1.3	1.2	17	22	100.0	0.0	
c. Gonadal germ cell	10	5	5	28	212	48	260	1.1	36.9	4.0	66.3	6.1	0.7	0.6	2.9	21.5	1.7	6.2	26	134	100.0	0.0	
d. Gonadal carcinoma	0	0	0	6	11	6	17	0.1	4.6	0.3	4.3	-	-	-	0.6	1.1	0.2	0.4	3	9	100.0	0.0	
e. Unspecified gonadal	0	0	1	3	7	4	11	0.1	3.1	0.2	2.8	-	-	0.1	0.3	0.7	0.1	0.3	2	6	81.8	9.1	
XI CARCINOMA & MELANOMA	10	16	31	121	469	178	647	4.1	100.0	10.0	100.0	6.1	2.4	3.4	12.6	47.5	6.0	15.3	96	333	99.4	0.3	
a. Adrenocortical	0	4	1	3	1	8	9	0.2	4.5	0.1	1.4	-	0.6	0.1	0.3	0.1	0.3	0.3	4	5	100.0	0.0	
b. Thyroid	1	3	9	54	181	67	248	1.5	37.6	3.8	38.3	0.6	0.4	1.0	5.6	18.3	2.1	5.8	35	127	99.6	0.0	
c. Nasopharyngeal	0	0	0	5	6	5	11	0.1	2.8	0.2	1.7	-	-	-	0.5	0.6	0.2	0.3	3	6	100.0	0.0	
d. Melanoma	9	8	14	33	182	64	246	1.5	36.0	3.8	38.0	5.5	1.2	1.6	3.4	18.4	2.3	5.9	35	127	99.2	0.4	
e. Skin carcinoma	0	0	0	2	1	2	3	0.0	1.1	0.0	0.5	-	-	-	0.2	0.1	0.1	0.1	1	2	100.0	0.0	
f. Other & unspecified	0	1	7	24	98	32	130	0.7	18.0	2.0	20.1	-	0.1	0.8	2.5	9.9	1.0	3.0	17	67	99.2	0.8	
XII OTHER & UNSPECIFIED	3	9	5	3	6	20	26	0.5	100.0	0.4	100.0	1.8	1.3	0.6	0.3	0.6	0.8	0.8	11	14	92.3	3.8	
a. Other specified	2	9	3	1	4	15	19	0.3	75.0	0.3	73.1	1.2	1.3	0.3	0.1	0.4	0.6	0.6	9	11	100.0	0.0	
b. Other unspecified	1	0	2	2	2	5	7	0.1	25.0	0.1	26.9	0.6	-	0.2	0.2	0.2	0.2	0.2	3	4	71.4	14.3	
TOTAL	451	1522	1063	1309	2118	4345	6463	100.0	100.0	100.0	100.0	273.7	224.7	118.0	136.1	214.5	168.3	178.7	2442	3514	93.6	0.2	

† includes 297 non-malignant ‡ includes 12 non-malignant

Please consult the quality indicators for this registry

USA, Ohio, NH White (1998-2012)

	Males									M/F ratio		Females								
	Number of cases in age groups					ASR per million						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	0-14	0-19	0	1-4	5-9	10-14	15-19	0-14	0-19	0-14	0-19
I LEUKAEMIA	43	338	169	155	152	705	857	55.1	49.5	1.3	1.3	37	273	151	101	99	562	661	46.5	40.7
a. Lymphoid	15	278	141	99	89	533	622	42.0	36.5	1.2	1.3	14	227	123	67	41	431	472	35.9	29.7
b. Acute myeloid	21	38	14	36	40	109	149	8.4	8.3	1.2	1.3	16	30	20	22	31	88	119	7.2	7.0
c. CMD	0	3	10	11	11	24	35	1.6	1.7	1.5	1.0	3	5	1	7	18	16	34	1.3	1.8
d. MDS & other	6	12	4	5	7	27	34	2.2	2.0	1.5	1.5	3	10	2	3	4	18	22	1.6	1.4
e. Unspecified	1	7	0	4	5	12	17	1.0	1.0	1.3	1.2	1	1	5	2	5	9	14	0.7	0.8
II LYMPHOMA & RELATED	12	35	94	148	297	289	586	19.5	28.3	1.9	1.6	12	16	35	93	206	156	362	11.0	18.1
a. Hodgkin	0	3	19	74	182	96	278	6.0	12.7	1.6	1.3	0	1	8	52	153	61	214	3.9	10.2
b. Non-Hodgkin except BL	4	9	31	38	82	82	164	5.6	8.0	1.4	1.7	6	6	20	25	41	57	98	4.1	5.1
c. Burkitt (BL)	0	15	37	30	27	82	109	5.7	5.6	8.2	5.7	0	2	0	8	9	10	19	0.7	1.0
d. Lymphoreticular	8	7	6	2	2	23	25	1.9	1.5	0.9	0.8	6	7	7	7	3	7	30	2.2	1.8
e. Unspecified	0	1	1	4	4	6	10	0.4	0.5	6.0	10.0	0	0	0	1	0	1	1	0.1	0.0
III CNS NEOPLASMS †	33	215	202	183	182	633	815	47.1	44.6	1.3	1.2	30	150	152	172	163	504	667	38.8	37.7
a. Ependymoma	8	28	14	11	10	61	71	4.9	4.2	1.5	1.3	5	15	5	16	12	41	53	3.2	3.1
b. Astrocytoma	11	94	87	74	68	266	334	19.9	18.4	1.2	1.2	10	77	66	71	53	224	277	17.4	16.0
c. CNS embryonal	6	55	49	28	20	138	158	10.5	9.1	1.7	1.8	9	27	25	18	11	79	90	6.3	5.4
d. Other gliomas	3	20	25	36	34	84	118	5.9	6.1	1.1	1.1	3	16	36	22	26	77	103	5.8	5.7
e. Other specified	3	14	25	29	44	71	115	5.0	5.8	1.0	0.9	2	13	16	38	59	69	128	4.9	6.6
f. Unspecified CNS	2	4	2	5	6	13	19	1.0	1.0	0.9	1.2	1	2	4	7	2	14	16	1.0	0.9
IV NEUROBLASTOMA	62	78	14	3	2	157	159	13.7	10.7	1.3	1.3	51	57	12	4	0	124	124	11.3	8.8
a. (Ganglio)neuroblastoma	62	78	14	3	0	157	157	13.7	10.6	1.3	1.3	51	56	12	3	0	122	122	11.1	8.6
b. Peripheral nervous	0	0	0	0	2	0	2	-	0.1	0.0	1.0	0	1	0	1	0	2	2	0.2	0.1
V RETINOBLASTOMA	21	25	2	0	0	48	48	4.3	3.3	1.0	1.0	20	25	2	0	0	47	47	4.4	3.4
VI RENAL TUMOURS	17	69	19	4	5	109	114	9.3	7.4	0.9	0.9	12	68	38	3	5	121	126	10.5	8.4
a. Nephroblastoma	17	69	18	3	0	107	107	9.2	7.1	0.9	0.9	12	68	38	0	1	118	119	10.3	8.0
b. Renal carcinoma	0	0	1	1	5	2	7	0.1	0.3	0.7	1.0	0	0	0	3	4	3	7	0.2	0.3
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-
VII HEPATIC TUMOURS	12	22	4	10	6	48	54	3.9	3.3	1.3	1.4	9	19	2	6	3	36	39	3.2	2.6
a. Hepatoblastoma	12	22	2	3	0	39	39	3.4	2.6	1.3	1.3	9	18	1	2	0	30	30	2.7	2.1
b. Hepatic carcinoma	0	0	2	6	6	8	14	0.5	0.6	1.3	1.6	0	1	1	4	3	6	9	0.4	0.5
c. Unspecified	0	0	0	1	0	1	1	0.1	0.0	-	-	0	0	0	0	0	0	0	-	-
VIII BONE TUMOURS	0	5	19	72	74	96	170	6.0	8.0	1.0	1.2	4	3	26	65	43	98	141	6.6	7.1
a. Osteosarcoma	0	3	9	37	38	49	87	3.1	4.1	0.9	1.1	1	1	9	44	22	55	77	3.6	3.8
b. Chondrosarcoma	0	0	1	1	8	2	10	0.1	0.5	1.0	5.0	0	0	1	1	0	2	2	0.1	0.1
c. Ewing & related	0	2	9	30	20	41	61	2.6	2.9	1.2	1.2	0	2	14	19	16	35	51	2.4	2.6
d. Other specified	0	0	0	4	5	4	9	0.2	0.4	0.7	0.9	3	0	2	1	4	6	10	0.5	0.6
e. Unspecified	0	0	0	0	3	0	3	-	0.1	-	3.0	0	0	0	0	1	0	1	-	0.0
IX SOFT TISSUE SARCOMA	17	50	36	53	82	156	238	11.6	12.7	1.2	1.3	12	29	33	54	62	128	190	9.6	10.4
a. Rhabdomyosarcoma	6	35	20	14	23	75	98	5.9	5.6	1.4	1.5	4	18	18	13	11	53	64	4.2	3.8
b. Fibrosarcoma	7	1	1	5	9	14	23	1.1	1.2	1.1	0.8	3	3	3	4	17	13	30	1.0	1.6
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-
d. Other specified	3	12	13	25	43	53	96	3.7	4.8	1.2	1.3	3	5	11	26	29	45	74	3.2	3.8
e. Unspecified	1	2	2	9	7	14	21	0.9	1.0	0.8	1.0	2	3	1	11	5	17	22	1.2	1.2
X GERM CELL TUMOURS	18	8	5	20	198	51	249	3.9	11.8	0.6	1.7	16	12	12	39	64	79	143	5.9	7.6
a. CNS germ cell ‡	6	2	5	14	18	27	45	1.9	2.3	1.6	2.3	2	2	5	8	3	17	20	1.2	1.1
b. Other extragonadal	2	2	0	6	6	4	10	0.4	0.5	0.2	0.3	14	9	1	0	5	24	29	2.2	2.0
c. Gonadal germ cell	10	4	0	6	172	20	192	1.6	8.9	0.7	2.8	0	1	5	22	40	28	68	1.8	3.3
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	6	11	6	17	0.4	0.8
e. Unspecified gonadal	0	0	0	0	2	0	2	-	0.1	0.0	0.2	0	0	1	3	5	4	9	0.3	0.4
XI CARCINOMA & MELANOMA	8	3	12	43	135	66	201	4.4	9.4	0.6	0.5	2	13	19	78	334	112	446	7.6	21.5
a. Adrenocortical	0	2	1	1	0	4	4	0.3	0.2	1.0	0.8	0	2	0	2	1	4	5	0.3	0.3
b. Thyroid	1	0	2	9	34	12	46	0.8	2.1	0.2	0.2	0	3	7	45	147	55	202	3.6	9.6
c. Nasopharyngeal	0	0	0	3	5	3	8	0.2	0.4	1.5	2.7	0	0	0	2	1	2	3	0.1	0.1
d. Melanoma	7	1	7	21	65	36	101	2.4	4.8	1.3	0.7	2	7	7	12	117	28	145	2.1	7.1
e. Skin carcinoma	0	0	0	0	1	0	1	-	0.0	0.0	0.5	0	0	0	2	0	2	2	0.1	0.1
f. Other & unspecified	0	0	2	9	30	11	41	0.7	1.9	0.5	0.5	0	1	5	15	68	21	89	1.4	4.3
XII OTHER & UNSPECIFIED	2	4	2	1	2	9	11	0.7	0.7	0.8	0.7	1	5	3	2	4	11	15	0.9	0.9
a. Other specified	1	4	1	0	1	6	7	0.5	0.4	0.7	0.6	1	5	2	1	3	9	12	0.8	0.7
b. Other unspecified	1	0	1	1	1	3	4	0.2	0.2	1.5	1.3	0	0	1	1	1	2	3	0.1	0.2
TOTAL	245	852	578	692	1135	2367	3502	179.6	189.7	1.2	1.2	206	670	485	617	983	1978	2961	156.4	167.1

† includes 144 non-malignant in males and 153 non-malignant in females ‡ includes 6 non-malignant in males and 6 non-malignant in females

Please consult the quality indicators for this registry

USA, Ohio, NH White (1998-2012)

	Age group	Males	Females
Person-years	0	844 778	802 868
	1-4	3 468 197	3 306 428
	5-9	4 612 837	4 392 904
	10-14	4 935 678	4 685 632
	15-19	5 051 581	4 821 318
Total	0-14	13 861 490	13 187 832
	0-19	18 913 071	18 009 150
Average annual population	0-14	924 099	879 189
	0-19	1 260 871	1 200 610

Please consult the quality indicators for this registry