

## USA, Pennsylvania, 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>	95	640	362	260	291	1357	1648	29.5	100.0	23.0	100.0	61.1	98.9	41.1	26.9	28.2	56.5	50.1	798	939	97.6	0.4
a. Lymphoid	38	546	296	174	147	1054	1201	22.9	77.7	16.7	72.9	24.4	84.3	33.6	18.0	14.2	44.2	37.5	622	693	98.8	0.2
b. Acute myeloid	30	63	41	61	92	195	287	4.2	14.4	4.0	17.4	19.3	9.7	4.7	6.3	8.9	7.8	8.1	113	157	98.6	0.0
c. CMD	7	10	12	13	31	42	73	0.9	3.1	1.0	4.4	4.5	1.5	1.4	1.3	3.0	1.6	2.0	24	39	79.5	2.7
d. MDS & other	14	17	7	8	13	46	59	1.0	3.4	0.8	3.6	9.0	2.6	0.8	0.8	1.3	2.0	1.8	27	34	93.2	0.0
e. Unspecified	6	4	6	4	8	20	28	0.4	1.5	0.4	1.7	3.9	0.6	0.7	0.4	0.8	0.8	0.8	12	16	92.9	7.1
<b>II LYMPHOMA &amp; RELATED</b>	21	52	130	227	581	430	1011	9.3	100.0	14.1	100.0	13.5	8.0	14.8	23.5	56.3	15.1	24.4	237	518	98.5	0.7
a. Hodgkin	1	3	34	123	411	161	572	3.5	37.4	8.0	56.6	0.6	0.5	3.9	12.7	39.8	5.1	12.9	85	285	99.1	0.5
b. Non-Hodgkin except BL	9	27	58	72	143	166	309	3.6	38.6	4.3	30.6	5.8	4.2	6.6	7.5	13.9	6.0	7.8	93	162	98.7	0.3
c. Burkitt (BL)	0	8	32	28	18	68	86	1.5	15.8	1.2	8.5	-	1.2	3.6	2.9	1.7	2.4	2.3	38	46	100.0	0.0
d. Lymphoreticular	11	12	5	1	2	29	31	0.6	6.7	0.4	3.1	7.1	1.9	0.6	0.1	0.2	1.3	1.1	18	19	90.3	6.5
e. Unspecified	0	2	1	3	7	6	13	0.1	1.4	0.2	1.3	-	0.3	0.1	0.3	0.7	0.2	0.3	3	7	76.9	7.7
<b>III CNS NEOPLASMS †</b>	83	397	378	381	389	1239	1628	26.9	100.0	22.7	100.0	53.4	61.3	42.9	39.4	37.7	48.4	46.0	711	899	76.5	0.4
a. Ependymoma	15	30	17	23	25	85	110	1.8	6.9	1.5	6.8	9.6	4.6	1.9	2.4	2.4	3.5	3.2	50	62	100.0	0.0
b. Astrocytoma	30	207	172	177	126	586	712	12.7	47.3	9.9	43.7	19.3	32.0	19.5	18.3	12.2	23.0	20.6	337	398	79.6	0.0
c. CNS embryonal	22	72	63	46	32	203	235	4.4	16.4	3.3	14.4	14.1	11.1	7.1	4.8	3.1	8.2	7.1	118	134	99.6	0.0
d. Other gliomas	4	54	80	59	62	197	259	4.3	15.9	3.6	15.9	2.6	8.3	9.1	6.1	6.0	7.5	7.2	112	142	42.9	0.8
e. Other specified	9	28	44	70	130	151	281	3.3	12.2	3.9	17.3	5.8	4.3	5.0	7.2	12.6	5.5	7.1	84	147	76.9	0.4
f. Unspecified CNS	3	6	2	6	14	17	31	0.4	1.4	0.4	1.9	1.9	0.9	0.2	0.6	1.4	0.7	0.8	10	17	25.8	12.9
<b>IV NEUROBLASTOMA</b>	136	177	37	17	9	367	376	8.0	100.0	5.2	100.0	87.4	27.3	4.2	1.8	0.9	17.0	13.3	225	229	97.9	0.3
a. (Ganglio)neuroblastoma	136	177	37	11	3	361	364	7.8	98.4	5.1	96.8	87.4	27.3	4.2	1.1	0.3	16.8	13.1	222	223	97.8	0.3
b. Peripheral nervous	0	0	0	6	6	6	12	0.1	1.6	0.2	3.2	-	-	-	0.6	0.6	0.2	0.3	3	6	100.0	0.0
<b>V RETINOBLASTOMA</b>	46	38	1	0	0	85	85	1.8	100.0	1.2	100.0	29.6	5.9	0.1	-	-	4.1	3.2	53	53	69.4	0.0
<b>VI RENAL TUMOURS</b>	22	136	55	3	16	216	232	4.7	100.0	3.2	100.0	14.1	21.0	6.2	0.3	1.6	9.7	7.9	131	139	98.3	0.4
a. Nephroblastoma	22	136	52	2	6	212	218	4.6	98.1	3.0	94.0	14.1	21.0	5.9	0.2	0.6	9.6	7.6	129	132	98.2	0.5
b. Renal carcinoma	0	0	3	1	10	4	14	0.1	1.9	0.2	6.0	-	-	0.3	0.1	1.0	0.1	0.3	2	7	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>VII HEPATIC TUMOURS</b>	15	36	6	4	17	61	78	1.3	100.0	1.1	100.0	9.6	5.6	0.7	0.4	1.6	2.8	2.5	37	45	98.7	0.0
a. Hepatoblastoma	14	36	5	1	0	56	56	1.2	91.8	0.8	71.8	9.0	5.6	0.6	0.1	-	2.6	2.0	34	34	100.0	0.0
b. Hepatic carcinoma	0	0	1	3	17	4	21	0.1	6.6	0.3	26.9	-	-	0.1	0.3	1.6	0.1	0.5	2	10	100.0	0.0
c. Unspecified	1	0	0	0	0	1	1	0.0	1.6	0.0	1.3	0.6	-	-	-	-	0.0	0.0	1	1	0.0	0.0
<b>VIII BONE TUMOURS</b>	1	15	45	124	173	185	358	4.0	100.0	5.0	100.0	0.6	2.3	5.1	12.8	16.8	6.1	8.5	100	184	99.4	0.0
a. Osteosarcoma	0	3	22	52	76	77	153	1.7	41.6	2.1	42.7	-	0.5	2.5	5.4	7.4	2.5	3.6	41	78	100.0	0.0
b. Chondrosarcoma	0	1	2	3	15	6	21	0.1	3.2	0.3	5.9	-	0.2	0.2	0.3	1.5	0.2	0.5	3	11	95.2	0.0
c. Ewing & related	1	8	19	66	72	94	166	2.0	50.8	2.3	46.4	0.6	1.2	2.2	6.8	7.0	3.1	4.0	51	85	99.4	0.0
d. Other specified	0	2	2	2	8	6	14	0.1	3.2	0.2	3.9	-	0.3	0.2	0.2	0.8	0.2	0.4	3	7	100.0	0.0
e. Unspecified	0	1	0	1	2	2	4	0.0	1.1	0.1	1.1	-	0.2	-	0.1	0.2	0.1	0.1	1	2	100.0	0.0
<b>IX SOFT TISSUE SARCOMA</b>	31	83	75	95	136	284	420	6.2	100.0	5.9	100.0	19.9	12.8	8.5	9.8	13.2	11.1	11.6	163	229	99.3	0.2
a. Rhabdomyosarcoma	10	62	40	24	39	136	175	3.0	47.9	2.4	41.7	6.4	9.6	4.5	2.5	3.8	5.7	5.2	80	99	99.4	0.6
b. Fibrosarcoma	6	6	6	12	12	30	42	0.7	10.6	0.6	10.0	3.9	0.9	0.7	1.2	1.2	1.2	1.2	17	23	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	11	8	22	46	65	87	152	1.9	30.6	2.1	36.2	7.1	1.2	2.5	4.8	6.3	3.1	3.8	48	80	99.3	0.0
e. Unspecified	4	7	7	13	20	31	51	0.7	10.9	0.7	12.1	2.6	1.1	0.8	1.3	1.9	1.2	1.3	18	27	98.0	0.0
<b>X GERM CELL TUMOURS</b>	38	15	21	73	308	147	455	3.2	100.0	6.3	100.0	24.4	2.3	2.4	7.6	29.9	5.5	11.0	83	232	97.8	0.2
a. CNS germ cell ‡	6	0	12	26	27	44	71	1.0	29.9	1.0	15.6	3.9	-	1.4	2.7	2.6	1.5	1.8	24	37	88.7	1.4
b. Other extragonadal	22	10	1	3	12	36	48	0.8	24.5	0.7	10.5	14.1	1.5	0.1	0.3	1.2	1.7	1.6	22	28	95.8	0.0
c. Gonadal germ cell	9	5	8	34	250	56	306	1.2	38.1	4.3	67.3	5.8	0.8	0.9	3.5	24.2	2.0	7.0	31	152	100.0	0.0
d. Gonadal carcinoma	0	0	0	5	13	5	18	0.1	3.4	0.3	4.0	-	-	-	0.5	1.3	0.2	0.4	3	9	100.0	0.0
e. Unspecified gonadal	1	0	0	5	6	6	12	0.1	4.1	0.2	2.6	0.6	-	-	0.5	0.6	0.2	0.3	3	6	100.0	0.0
<b>XI CARCINOMA &amp; MELANOMA</b>	11	11	34	161	643	217	860	4.7	100.0	12.0	100.0	7.1	1.7	3.9	16.7	62.3	7.1	19.6	116	428	99.2	0.2
a. Adrenocortical	1	4	1	1	4	7	11	0.2	3.2	0.2	1.3	0.6	0.6	0.1	0.1	0.4	0.3	0.3	4	6	100.0	0.0
b. Thyroid	1	1	12	81	314	95	409	2.1	43.8	5.7	47.6	0.6	0.2	1.4	8.4	30.4	3.0	9.1	50	202	99.5	0.2
c. Nasopharyngeal	0	0	0	1	12	1	13	0.0	0.5	0.2	1.5	-	-	-	0.1	1.2	0.0	0.3	1	6	100.0	0.0
d. Melanoma	6	5	16	49	212	76	288	1.7	35.0	4.0	33.5	3.9	0.8	1.8	5.1	20.5	2.6	6.6	41	144	98.6	0.0
e. Skin carcinoma	0	0	0	2	3	2	5	0.0	0.9	0.1	0.6	-	-	-	0.2	0.3	0.1	0.1	1	2	100.0	0.0
f. Other & unspecified	3	1	5	27	98	36	134	0.8	16.6	1.9	15.6	1.9	0.2	0.6	2.8	9.5	1.2	3.1	19	67	99.3	0.7
<b>XII OTHER &amp; UNSPECIFIED</b>	6	7	3	2	9	18	27	0.4	100.0	0.4	100.0	3.9	1.1	0.3	0.2	0.9	0.8	0.8	11	15	77.8	11.1
a. Other specified	3	6	1	2	4	12	16	0.3	66.7	0.2	59.3	1.9	0.9	0.1	0.2	0.4	0.5	0.5	7	9	100.0	0.0
b. Other unspecified	3	1	2	0	5	6	11	0.1	33.3	0.2	40.7	1.9	0.2	0.2	-	0.5	0.3	0.3	4	6	45.5	27.3
<b>TOTAL</b>	505	1607	1147	1347	2572	4606	7178	100.0	100.0	100.0	100.0	324.7	248.2	130.2	139.4	249.3	184.3	198.9	2663	3910	93.0	0.4

† includes 331 non-malignant ‡ includes 5 non-malignant

Please consult the quality indicators for this registry

## USA, Pennsylvania, 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>	51	341	206	137	177	735	912	59.6	53.8	1.2	1.2	44	299	156	123	114	622	736	53.2	46.3				
a. Lymphoid	22	293	176	101	98	592	690	48.1	41.5	1.3	1.4	16	253	120	73	49	462	511	40.1	33.3				
b. Acute myeloid	15	35	17	23	54	90	144	7.3	7.9	0.9	1.0	15	28	24	38	38	105	143	8.4	8.2				
c. CMD	5	5	5	7	14	22	36	1.7	1.9	1.1	1.0	2	5	7	6	17	20	37	1.6	2.0				
d. MDS & other	6	6	5	5	5	22	27	1.8	1.6	0.9	0.8	8	11	2	3	8	24	32	2.2	2.1				
e. Unspecified	3	2	3	1	6	9	15	0.7	0.8	0.8	1.2	3	2	3	3	2	11	13	0.9	0.8				
<b>II LYMPHOMA &amp; RELATED</b>	12	33	90	145	297	280	577	19.1	27.5	1.9	1.3	9	19	40	82	284	150	434	10.8	21.0				
a. Hodgkin	1	2	21	76	187	100	287	6.2	12.8	1.6	1.0	0	1	13	47	224	61	285	4.0	13.1				
b. Non-Hodgkin except BL	6	16	44	45	88	111	199	7.8	9.8	2.0	1.8	3	11	14	27	55	55	110	4.1	5.6				
c. Burkitt (BL)	0	8	24	21	16	53	69	3.7	3.5	3.5	4.1	0	0	8	7	2	15	17	1.0	0.9				
d. Lymphoreticular	5	6	1	1	1	13	14	1.2	0.9	0.8	0.8	6	6	4	0	1	16	17	1.5	1.2				
e. Unspecified	0	1	0	2	5	3	8	0.2	0.4	1.0	1.6	0	1	1	1	2	3	5	0.2	0.3				
<b>III CNS NEOPLASMS †</b>	46	213	209	207	197	675	872	51.4	48.3	1.2	1.2	37	184	169	174	192	564	756	45.3	43.6				
a. Ependymoma	7	19	12	11	16	49	65	3.9	3.7	1.4	1.4	8	11	5	12	9	36	45	3.0	2.7				
b. Astrocytoma	21	108	95	106	65	330	395	25.1	22.3	1.3	1.2	9	99	77	71	61	256	317	20.8	18.9				
c. CNS embryonal	12	37	38	33	18	120	138	9.3	7.9	1.4	1.4	10	35	25	13	14	83	97	7.1	6.1				
d. Other gliomas	1	29	38	24	36	92	128	6.9	6.9	0.9	1.0	3	25	42	35	26	105	131	8.1	7.4				
e. Other specified	4	17	25	31	58	77	135	5.6	6.8	1.0	0.9	5	11	19	39	72	74	146	5.4	7.4				
f. Unspecified CNS	1	3	1	2	4	7	11	0.6	0.6	0.7	0.6	2	3	1	4	10	10	20	0.8	1.1				
<b>IV NEUROBLASTOMA</b>	77	94	25	7	4	203	207	18.3	14.3	1.2	1.2	59	83	12	10	5	164	169	15.6	12.3				
a. (Ganglio)neuroblastoma	77	94	25	6	1	202	203	18.2	14.2	1.3	1.3	59	83	12	5	2	159	161	15.2	11.9				
b. Peripheral nervous	0	0	0	1	3	1	4	0.1	0.2	0.2	0.5	0	0	0	5	3	5	8	0.3	0.4				
<b>V RETINOBLASTOMA</b>	29	17	1	0	0	47	47	4.4	3.4	1.2	1.2	17	21	0	0	0	38	38	3.8	2.9				
<b>VI RENAL TUMOURS</b>	13	65	20	1	6	99	105	8.8	7.1	0.8	0.8	9	71	35	2	10	117	127	10.7	8.7				
a. Nephroblastoma	13	65	19	1	3	98	101	8.8	6.9	0.9	0.9	9	71	33	1	3	114	117	10.4	8.2				
b. Renal carcinoma	0	0	1	0	3	1	4	0.1	0.2	0.3	0.4	0	0	2	1	7	3	10	0.2	0.5				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>VII HEPATIC TUMOURS</b>	10	19	4	4	11	37	48	3.2	3.0	1.5	1.6	5	17	2	0	6	24	30	2.3	2.1				
a. Hepatoblastoma	9	19	3	1	0	32	32	2.9	2.3	1.3	1.3	5	17	2	0	0	24	24	2.3	1.8				
b. Hepatic carcinoma	0	0	1	3	11	4	15	0.2	0.7	-	2.5	0	0	0	0	6	0	6	-	0.3				
c. Unspecified	1	0	0	0	0	1	1	0.1	0.1	-	-	0	0	0	0	0	0	0	-	-				
<b>VIII BONE TUMOURS</b>	0	9	18	64	117	91	208	5.9	9.6	1.0	1.4	1	6	27	60	56	94	150	6.4	7.5				
a. Osteosarcoma	0	2	7	28	50	37	87	2.3	3.9	0.9	1.3	0	1	15	24	26	40	66	2.7	3.3				
b. Chondrosarcoma	0	1	0	1	6	2	8	0.2	0.4	0.5	0.6	0	0	2	2	9	4	13	0.3	0.6				
c. Ewing & related	0	3	10	33	56	46	102	2.9	4.7	1.0	1.6	1	5	9	33	16	48	64	3.3	3.3				
d. Other specified	0	2	1	2	4	5	9	0.4	0.5	5.0	1.8	0	0	1	0	4	1	5	0.1	0.2				
e. Unspecified	0	1	0	0	1	1	2	0.1	0.1	1.0	1.0	0	0	0	1	1	1	2	0.1	0.1				
<b>IX SOFT TISSUE SARCOMA</b>	15	52	41	49	73	157	230	12.1	12.5	1.2	1.2	16	31	34	46	63	127	190	10.0	10.6				
a. Rhabdomyosarcoma	5	44	23	8	22	80	102	6.7	6.2	1.4	1.4	5	18	17	16	17	56	73	4.5	4.3				
b. Fibrosarcoma	4	2	5	10	8	21	29	1.5	1.5	2.3	2.2	2	4	1	2	4	9	13	0.8	0.8				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	4	4	9	24	32	41	73	2.8	3.5	0.9	0.9	7	4	13	22	33	46	79	3.4	4.1				
e. Unspecified	2	2	4	7	11	15	26	1.1	1.3	0.9	1.0	2	5	3	6	9	16	25	1.3	1.4				
<b>X GERM CELL TUMOURS</b>	22	7	7	31	236	67	303	5.0	14.0	0.8	2.0	16	8	14	42	72	80	152	6.0	7.9				
a. CNS germ cell ‡	4	0	5	15	25	24	49	1.6	2.3	1.2	2.2	2	0	7	11	2	20	22	1.4	1.2				
b. Other extragonadal	9	2	0	1	6	12	18	1.1	1.1	0.5	0.6	13	8	1	2	6	24	30	2.3	2.0				
c. Gonadal germ cell	8	5	2	15	204	30	234	2.2	10.5	1.2	3.3	1	0	6	19	46	26	72	1.7	3.4				
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	0.0	0.0	0.1	0	0	0	5	12	5	17	0.3	0.8				
e. Unspecified gonadal	1	0	0	0	0	1	1	0.1	0.1	0.2	0.1	0	0	0	5	6	5	11	0.3	0.5				
<b>XI CARCINOMA &amp; MELANOMA</b>	6	5	17	61	173	89	262	5.8	11.9	0.7	0.4	5	6	17	100	470	128	598	8.5	27.6				
a. Adrenocortical	1	2	1	1	1	5	6	0.4	0.4	2.5	1.2	0	2	0	0	3	2	5	0.2	0.3				
b. Thyroid	1	0	5	21	51	27	78	1.7	3.5	0.4	0.2	0	1	7	60	263	68	331	4.3	15.1				
c. Nasopharyngeal	0	0	0	0	8	0	8	-	0.3	0.0	1.6	0	0	0	1	4	1	5	0.1	0.2				
d. Melanoma	3	2	8	27	76	40	116	2.6	5.3	1.1	0.7	3	3	8	22	136	36	172	2.6	8.0				
e. Skin carcinoma	0	0	0	2	0	2	2	0.1	0.1	-	0.7	0	0	0	0	3	0	3	-	0.1				
f. Other & unspecified	1	1	3	10	37	15	52	1.0	2.3	0.7	0.6	2	0	2	17	61	21	82	1.4	3.8				
<b>XII OTHER &amp; UNSPECIFIED</b>	3	6	2	1	4	12	16	1.0	1.0	2.0	1.5	3	1	1	1	5	6	11	0.5	0.6				
a. Other specified	2	5	1	1	2	9	11	0.8	0.7	3.0	2.2	1	1	0	1	2	3	5	0.3	0.3				
b. Other unspecified	1	1	1	0	2	3	5	0.3	0.3	1.0	0.8	2	0	1	0	3	3	6	0.3	0.3				
<b>TOTAL</b>	284	861	640	707	1295	2492	3787	194.9	206.4	1.2	1.1	221	746	507	640	1277	2114	3391	173.2	191.1				

† includes 153 non-malignant in males and 178 non-malignant in females ‡ includes 2 non-malignant in males and 3 non-malignant in females

Please consult the quality indicators for this registry

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

	Age group	Males	Females
Person-years	0	795 340	759 862
	1-4	3 316 954	3 156 430
	5-9	4 516 145	4 295 314
	10-14	4 962 570	4 699 781
	15-19	5 265 189	5 052 432
Total	0-14	13 591 009	12 911 387
	0-19	18 856 198	17 963 819
Average annual population	0-14	906 067	860 759
	0-19	1 257 080	1 197 588

Please consult the quality indicators for this registry