

USA, Kentucky (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	
I LEUKAEMIA	37	290	151	94	132	572	704	26.7	100.0	22.3	100.0	44.8	88.5	36.3	22.1	30.3	49.0	44.8	691	842	95.9	2.0	
a. Lymphoid	17	249	119	62	61	447	508	20.9	78.1	16.1	72.2	20.6	76.0	28.6	14.5	14.0	38.6	33.0	540	610	96.7	1.4	
b. Acute myeloid	12	26	15	19	48	72	120	3.4	12.6	3.8	17.0	14.5	7.9	3.6	4.5	11.0	6.0	7.2	87	142	97.5	2.5	
c. CMD	1	0	5	8	14	14	28	0.7	2.4	0.9	4.0	1.2	-	1.2	1.9	3.2	1.0	1.5	17	33	85.7	3.6	
d. MDS & other	3	8	2	1	8	14	22	0.7	2.4	0.7	3.1	3.6	2.4	0.5	0.2	1.8	1.3	1.4	17	26	90.9	4.5	
e. Unspecified	4	7	10	4	1	25	26	1.2	4.4	0.8	3.7	4.8	2.1	2.4	0.9	0.2	2.1	1.7	30	31	88.5	7.7	
II LYMPHOMA & RELATED	4	43	64	115	227	226	453	10.6	100.0	14.3	100.0	4.8	13.1	15.4	27.0	52.1	17.2	25.1	269	530	98.7	0.2	
a. Hodgkin	0	2	24	58	150	84	234	3.9	37.2	7.4	51.7	-	0.6	5.8	13.6	34.4	6.0	12.4	99	272	99.6	0.4	
b. Non-Hodgkin except BL	0	19	19	33	54	71	125	3.3	31.4	4.0	27.6	-	5.8	4.6	7.7	12.4	5.5	7.1	85	147	99.2	0.0	
c. Burkitt (BL)	0	9	14	16	13	39	52	1.8	17.3	1.6	11.5	-	2.7	3.4	3.8	3.0	3.0	3.0	47	62	100.0	0.0	
d. Lymphoreticular	4	13	6	8	5	31	36	1.4	13.7	1.1	7.9	4.8	4.0	1.4	1.9	1.1	2.6	2.3	37	43	97.2	0.0	
e. Unspecified	0	0	1	0	5	1	6	0.0	0.4	0.2	1.3	-	-	0.2	-	1.1	0.1	0.3	1	7	50.0	0.0	
III CNS NEOPLASMS †	43	166	189	207	203	605	808	28.3	100.0	25.6	100.0	52.1	50.7	45.5	48.6	46.6	48.5	48.1	725	958	67.8	1.2	
a. Ependymoma	8	16	13	9	16	46	62	2.1	7.6	2.0	7.7	9.7	4.9	3.1	2.1	3.7	3.9	3.8	55	74	88.7	0.0	
b. Astrocytoma	18	77	70	97	55	262	317	12.2	43.3	10.0	39.2	21.8	23.5	16.8	22.8	12.6	21.0	19.1	314	377	76.7	0.3	
c. CNS embryonal	11	38	27	17	14	93	107	4.3	15.4	3.4	13.2	13.3	11.6	6.5	4.0	3.2	7.9	6.8	112	128	97.2	1.9	
d. Other gliomas	2	24	39	32	21	97	118	4.5	16.0	3.7	14.6	2.4	7.3	9.4	7.5	4.8	7.7	7.0	116	140	31.4	4.2	
e. Other specified	2	11	37	46	89	96	185	4.5	15.9	5.9	22.9	2.4	3.4	8.9	10.8	20.4	7.2	10.2	114	216	54.1	0.0	
f. Unspecified CNS	2	0	3	6	8	11	19	0.5	1.8	0.6	2.4	2.4	-	0.7	1.4	1.8	0.8	1.1	13	22	47.4	10.5	
IV NEUROBLASTOMA	40	84	19	10	2	153	155	7.1	100.0	4.9	100.0	48.4	25.6	4.6	2.3	0.5	13.9	10.8	186	188	97.4	1.3	
a. (Ganglio)neuroblastoma	40	84	19	7	2	150	152	7.0	98.0	4.8	98.1	48.4	25.6	4.6	1.6	0.5	13.7	10.7	182	185	97.4	1.3	
b. Peripheral nervous	0	0	0	3	0	3	3	0.1	2.0	0.1	1.9	-	-	-	0.7	-	0.2	0.2	4	4	100.0	0.0	
V RETINOBLASTOMA	28	29	1	0	0	58	58	2.7	100.0	1.8	100.0	33.9	8.9	0.2	-	-	5.5	4.2	71	71	79.3	0.0	
VI RENAL TUMOURS	12	65	27	2	5	106	111	5.0	100.0	3.5	100.0	14.5	19.8	6.5	0.5	1.1	9.5	7.6	129	134	98.2	0.9	
a. Nephroblastoma	11	65	24	1	1	101	102	4.7	95.3	3.2	91.9	13.3	19.8	5.8	0.2	0.2	9.1	7.1	123	124	99.0	0.0	
b. Renal carcinoma	1	0	2	1	4	4	8	0.2	3.8	0.3	7.2	1.2	-	0.5	0.2	0.9	0.3	0.5	5	9	87.5	12.5	
c. Unspecified	0	0	1	0	0	1	1	0.0	0.9	0.0	0.9	-	-	0.2	-	-	0.1	0.1	1	1	100.0	0.0	
VII HEPATIC TUMOURS	14	17	4	4	7	39	46	1.8	100.0	1.5	100.0	17.0	5.2	1.0	0.9	1.6	3.5	3.1	47	55	97.8	2.2	
a. Hepatoblastoma	13	17	2	3	1	35	36	1.6	89.7	1.1	78.3	15.7	5.2	0.5	0.7	0.2	3.2	2.5	42	44	97.2	2.8	
b. Hepatic carcinoma	1	0	2	1	6	4	10	0.2	10.3	0.3	21.7	1.2	-	0.5	0.2	1.4	0.3	0.6	5	12	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIII BONE TUMOURS	1	3	25	58	61	87	148	4.1	100.0	4.7	100.0	1.2	0.9	6.0	13.6	14.0	6.3	8.0	103	173	97.3	0.0	
a. Osteosarcoma	0	0	15	27	38	42	80	2.0	48.3	2.5	54.1	-	-	3.6	6.3	8.7	3.0	4.3	50	93	95.0	0.0	
b. Chondrosarcoma	1	0	0	2	5	3	8	0.1	3.4	0.3	5.4	1.2	-	-	0.5	1.1	0.2	0.4	4	9	100.0	0.0	
c. Ewing & related	0	3	9	24	17	36	53	1.7	41.4	1.7	35.8	-	0.9	2.2	5.6	3.9	2.6	2.9	43	62	100.0	0.0	
d. Other specified	0	0	1	4	0	5	5	0.2	5.7	0.2	3.4	-	-	0.2	0.9	-	0.4	0.3	6	6	100.0	0.0	
e. Unspecified	0	0	0	1	1	1	2	0.0	1.1	0.1	1.4	-	-	-	0.2	0.2	0.1	0.1	1	2	100.0	0.0	
IX SOFT TISSUE SARCOMA	12	32	38	58	55	140	195	6.5	100.0	6.2	100.0	14.5	9.8	9.1	13.6	12.6	11.1	11.4	167	231	98.5	0.5	
a. Rhabdomyosarcoma	3	24	14	20	11	61	72	2.9	43.6	2.3	36.9	3.6	7.3	3.4	4.7	2.5	5.0	4.4	73	86	97.2	1.4	
b. Fibrosarcoma	3	0	4	4	7	11	18	0.5	7.9	0.6	9.2	3.6	-	1.0	0.9	1.6	0.9	1.0	13	21	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	3	7	17	26	27	53	80	2.5	37.9	2.5	41.0	3.6	2.1	4.1	6.1	6.2	4.0	4.5	63	94	100.0	0.0	
e. Unspecified	3	1	3	8	10	15	25	0.7	10.7	0.8	12.8	3.6	0.3	0.7	1.9	2.3	1.2	1.4	18	29	96.0	0.0	
X GERM CELL TUMOURS	23	7	12	33	105	75	180	3.5	100.0	5.7	100.0	27.9	2.1	2.9	7.7	24.1	6.0	10.1	90	210	96.1	0.6	
a. CNS germ cell ‡	2	1	7	17	7	27	34	1.3	36.0	1.1	18.9	2.4	0.3	1.7	4.0	1.6	2.0	1.9	32	40	79.4	2.9	
b. Other extragonadal	16	3	0	2	5	21	26	1.0	28.0	0.8	14.4	19.4	0.9	-	0.5	1.1	1.9	1.8	26	31	100.0	0.0	
c. Gonadal germ cell	5	3	5	13	84	26	110	1.2	34.7	3.5	61.1	6.1	0.9	1.2	3.1	19.3	2.0	5.9	31	127	100.0	0.0	
d. Gonadal carcinoma	0	0	0	1	5	1	6	0.0	1.3	0.2	3.3	-	-	-	0.2	1.1	0.1	0.3	1	7	100.0	0.0	
e. Unspecified gonadal	0	0	0	0	4	0	4	-	-	0.1	2.2	-	-	-	-	0.9	-	0.2	-	5	5	100.0	0.0
XI CARCINOMA & MELANOMA	1	1	11	59	220	72	292	3.4	100.0	9.2	100.0	1.2	0.3	2.6	13.8	50.5	5.1	15.3	85	337	99.3	0.3	
a. Adrenocortical	0	0	0	0	2	0	2	-	-	0.1	0.7	-	-	-	-	0.5	-	0.1	-	2	2	100.0	0.0
b. Thyroid	1	1	3	28	105	33	138	1.5	45.8	4.4	47.3	1.2	0.3	0.7	6.6	24.1	2.3	7.2	39	159	99.3	0.7	
c. Nasopharyngeal	0	0	1	5	6	6	12	0.3	8.3	0.4	4.1	-	-	0.2	1.2	1.4	0.4	0.6	7	14	100.0	0.0	
d. Melanoma	0	0	4	11	63	15	78	0.7	20.8	2.5	26.7	-	-	1.0	2.6	14.5	1.1	4.1	18	90	100.0	0.0	
e. Skin carcinoma	0	0	0	0	4	0	4	-	-	0.1	1.4	-	-	-	-	0.9	-	0.2	-	5	5	100.0	0.0
f. Other & unspecified	0	0	3	15	40	18	58	0.8	25.0	1.8	19.9	-	-	0.7	3.5	9.2	1.3	3.0	21	67	98.3	0.0	
XII OTHER & UNSPECIFIED	2	3	0	2	3	7	10	0.3	100.0	0.3	100.0	2.4	0.9	-	0.5	0.7	0.6	0.6	8	12	80.0	20.0	
a. Other specified	1	2	0	1	1	4	5	0.2	57.1	0.2	50.0	1.2	0.6	-	0.2	0.2	0.4	0.3	5	6	100.0	0.0	
b. Other unspecified	1	1	0	1	2	3	5	0.1	42.9	0.2	50.0	1.2	0.3	-	0.2	0.5	0.3	0.3	4	6	60.0	40.0	
TOTAL	217	740	541	642	1020	2140	3160	100.0	100.0	100.0	100.0	262.8	225.9	130.2	150.6	234.1	176.0	189.1	2571	3741	89.5	1.1	

† includes 202 non-malignant ‡ includes 11 non-malignant

Please consult the quality indicators for this registry

USA, Kentucky (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		
I LEUKAEMIA	26	157	87	53	78	323	401	54.0	49.6	1.3	1.3	11	133	64	41	54	249	303	43.8	39.7				
a. Lymphoid	13	132	70	38	49	253	302	42.4	37.8	1.3	1.5	4	117	49	24	12	194	206	34.5	28.1				
b. Acute myeloid	6	15	8	10	17	39	56	6.4	6.7	1.2	0.9	6	11	7	9	31	33	64	5.7	7.7				
c. CMD	1	0	1	4	8	6	14	0.9	1.5	0.8	1.0	0	0	4	4	6	8	14	1.2	1.6				
d. MDS & other	3	5	1	0	3	9	12	1.6	1.6	1.8	1.2	0	3	1	1	5	5	10	0.9	1.2				
e. Unspecified	3	5	7	1	1	16	17	2.7	2.2	1.8	1.9	1	2	3	3	0	9	9	1.5	1.1				
II LYMPHOMA & RELATED	2	26	49	77	144	154	298	22.8	32.1	2.1	1.9	2	17	15	38	83	72	155	11.4	17.7				
a. Hodgkin	0	2	18	38	85	58	143	8.1	14.8	2.2	1.6	0	0	6	20	65	26	91	3.8	9.8				
b. Non-Hodgkin except BL	0	11	13	19	42	43	85	6.5	9.3	1.5	2.1	0	8	6	14	12	28	40	4.5	4.7				
c. Burkitt (BL)	0	5	11	15	10	31	41	4.6	4.6	3.9	3.7	0	4	3	1	3	8	11	1.4	1.4				
d. Lymphoreticular	2	8	6	5	4	21	25	3.4	3.0	2.1	2.3	2	5	0	3	1	10	11	1.8	1.5				
e. Unspecified	0	0	1	0	3	1	4	0.2	0.4	-	2.0	0	0	0	0	2	0	2	-	0.2				
III CNS NEOPLASMS †	21	81	95	106	82	303	385	47.3	44.9	1.0	0.9	22	85	94	101	121	302	423	49.8	51.5				
a. Ependymoma	3	8	9	4	5	24	29	3.9	3.5	1.1	0.9	5	8	4	5	11	22	33	3.8	4.2				
b. Astrocytoma	8	36	33	50	23	127	150	19.7	17.6	0.9	0.9	10	41	37	47	32	135	167	22.3	20.7				
c. CNS embryonal	6	22	19	12	7	59	66	9.6	8.2	1.7	1.6	5	16	8	5	7	34	41	6.0	5.4				
d. Other gliomas	1	9	17	13	15	40	55	6.1	6.3	0.7	0.9	1	15	22	19	6	57	63	9.3	7.8				
e. Other specified	1	6	17	23	27	47	74	6.9	8.1	1.0	0.7	1	5	20	23	62	49	111	7.6	12.5				
f. Unspecified CNS	2	0	0	4	5	6	11	0.9	1.2	1.2	1.4	0	0	3	2	3	5	8	0.8	0.9				
IV NEUROBLASTOMA	23	50	14	4	1	91	92	16.1	12.6	1.5	1.5	17	34	5	6	1	62	63	11.5	9.0				
a. (Ganglio)neuroblastoma	23	50	14	4	1	91	92	16.1	12.6	1.5	1.5	17	34	5	3	1	59	60	11.1	8.7				
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	3	0	3	3	0.4	0.3				
V RETINOBLASTOMA	15	22	0	0	0	37	37	6.8	5.3	1.8	1.8	13	7	1	0	0	21	21	4.0	3.1				
VI RENAL TUMOURS	8	36	9	0	1	53	54	9.5	7.4	1.0	0.9	4	29	18	2	4	53	57	9.5	7.8				
a. Nephroblastoma	7	36	9	0	0	52	52	9.3	7.2	1.1	1.0	4	29	15	1	1	49	50	8.9	7.0				
b. Renal carcinoma	1	0	0	0	1	1	2	0.2	0.2	0.3	0.3	0	0	2	1	3	3	6	0.5	0.7				
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	0	1	1	0.2	0.1				
VII HEPATIC TUMOURS	9	9	3	2	4	23	27	4.0	3.5	1.4	1.4	5	8	1	2	3	16	19	3.0	2.6				
a. Hepatoblastoma	9	9	1	2	0	21	21	3.7	2.9	1.5	1.4	4	8	1	1	1	14	15	2.6	2.1				
b. Hepatic carcinoma	0	0	2	0	4	2	6	0.3	0.6	1.0	1.5	1	0	0	1	2	2	4	0.3	0.5				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VIII BONE TUMOURS	1	2	13	25	41	41	82	5.8	8.6	0.9	1.2	0	1	12	33	20	46	66	6.7	7.3				
a. Osteosarcoma	0	0	7	8	25	15	40	2.1	4.2	0.6	1.0	0	0	8	19	13	27	40	3.9	4.4				
b. Chondrosarcoma	1	0	0	1	4	2	6	0.3	0.6	2.0	3.0	0	0	0	1	1	1	2	0.1	0.2				
c. Ewing & related	0	2	5	16	11	23	34	3.2	3.6	1.8	1.8	0	1	4	8	6	13	19	2.0	2.2				
d. Other specified	0	0	1	0	0	1	1	0.2	0.1	0.3	0.3	0	0	0	4	0	4	4	0.6	0.4				
e. Unspecified	0	0	0	0	1	0	1	-	0.1	0.0	1.0	0	0	0	1	0	1	1	0.1	0.1				
IX SOFT TISSUE SARCOMA	7	17	23	32	28	79	107	12.2	12.2	1.3	1.2	5	15	15	26	27	61	88	9.9	10.5				
a. Rhabdomyosarcoma	2	12	11	11	7	36	43	5.7	5.1	1.4	1.5	1	12	3	9	4	25	29	4.3	3.7				
b. Fibrosarcoma	1	0	2	1	3	4	7	0.6	0.8	0.6	0.6	2	0	2	3	4	7	11	1.1	1.3				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	3	4	9	15	11	31	42	4.6	4.7	1.4	1.1	0	3	8	11	16	22	38	3.4	4.3				
e. Unspecified	1	1	1	5	7	8	15	1.2	1.6	1.1	1.5	2	0	2	3	3	7	10	1.1	1.2				
X GERM CELL TUMOURS	11	4	3	19	76	37	113	5.7	12.1	1.0	1.7	12	3	9	14	29	38	67	6.3	8.0				
a. CNS germ cell ‡	0	0	3	15	7	18	25	2.4	2.6	2.0	2.8	2	1	4	2	0	9	9	1.5	1.2				
b. Other extragonadal	6	1	0	1	2	8	10	1.4	1.3	0.6	0.6	10	2	0	1	3	13	16	2.5	2.2				
c. Gonadal germ cell	5	3	0	3	66	11	77	1.9	8.1	0.7	2.3	0	0	5	10	18	15	33	2.2	3.6				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	5	1	6	0.1	0.6				
e. Unspecified gonadal	0	0	0	0	1	0	1	-	0.1	-	0.3	0	0	0	0	3	0	3	-	0.3				
XI CARCINOMA & MELANOMA	1	0	3	20	58	24	82	3.3	8.4	0.5	0.4	0	1	8	39	162	48	210	6.9	22.6				
a. Adrenocortical	0	0	0	0	2	0	2	-	0.2	-	-	0	0	0	0	0	0	0	-	-				
b. Thyroid	1	0	0	6	12	7	19	1.0	2.0	0.3	0.2	0	1	3	22	93	26	119	3.8	12.8				
c. Nasopharyngeal	0	0	1	3	5	4	9	0.5	0.9	2.0	3.0	0	0	0	2	1	2	3	0.3	0.3				
d. Melanoma	0	0	1	7	23	8	31	1.1	3.1	1.1	0.7	0	0	3	4	40	7	47	1.0	5.1				
e. Skin carcinoma	0	0	0	0	1	0	1	-	0.1	-	0.3	0	0	0	0	3	0	3	-	0.3				
f. Other & unspecified	0	0	1	4	15	5	20	0.7	2.0	0.4	0.5	0	0	2	11	25	13	38	1.9	4.1				
XII OTHER & UNSPECIFIED	1	0	0	0	2	1	3	0.2	0.3	0.2	0.4	1	3	0	2	1	6	7	1.1	0.9				
a. Other specified	0	0	0	0	1	0	1	-	0.1	0.0	0.3	1	2	0	1	0	4	4	0.7	0.6				
b. Other unspecified	1	0	0	0	1	1	2	0.2	0.2	0.5	0.7	0	1	0	1	1	2	3	0.3	0.4				
TOTAL	125	404	299	338	515	1166	1681	187.7	197.1	1.2	1.1	92	336	242	304	505	974	1479	163.8	180.7				

† includes 82 non-malignant in males and 120 non-malignant in females ‡ includes 6 non-malignant in males and 5 non-malignant in females

Please consult the quality indicators for this registry

USA, Kentucky (1998-2012)

	Age group	Males	Females
Person-years	0	423 360	402 291
	1-4	1 674 812	1 600 849
	5-9	2 130 795	2 025 322
	10-14	2 189 925	2 072 159
	15-19	2 241 206	2 115 136
Total	0-14	6 418 892	6 100 621
	0-19	8 660 098	8 215 757
Average annual population	0-14	427 926	406 708
	0-19	577 340	547 717

Please consult the quality indicators for this registry