

USA, Missouri (1996-2012)

	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
I LEUKAEMIA	50	424	212	174	168	860	1028	28.3	100.0	23.2	100.0	39.0	82.6	32.0	25.2	23.7	46.2	41.2	655	774	98.0	1.0
a. Lymphoid	17	367	172	123	84	679	763	22.4	79.0	17.2	74.2	13.3	71.5	26.0	17.8	11.9	36.7	31.1	518	577	98.7	0.7
b. Acute myeloid	23	43	28	36	70	130	200	4.3	15.1	4.5	19.5	18.0	8.4	4.2	5.2	9.9	6.9	7.5	99	148	97.5	1.0
c. CMD	3	5	5	4	10	17	27	0.6	2.0	0.6	2.6	2.3	1.0	0.8	0.6	1.4	0.9	1.0	13	20	100.0	0.0
d. MDS & other	6	7	2	5	0	20	20	0.7	2.3	0.5	1.9	4.7	1.4	0.3	0.7	-	1.1	0.8	15	15	85.0	5.0
e. Unspecified	1	2	5	6	4	14	18	0.5	1.6	0.4	1.8	0.8	0.4	0.8	0.9	0.6	0.7	0.7	10	13	83.3	11.1
II LYMPHOMA & RELATED	13	47	89	173	317	322	639	10.6	100.0	14.4	100.0	10.1	9.2	13.5	25.0	44.7	15.2	21.9	239	463	98.7	0.5
a. Hodgkin	0	6	16	86	217	108	325	3.6	33.5	7.3	50.9	-	1.2	2.4	12.4	30.6	4.8	10.6	79	232	99.4	0.3
b. Non-Hodgkin except BL	7	25	46	60	78	138	216	4.5	42.9	4.9	33.8	5.5	4.9	7.0	8.7	11.0	6.7	7.7	103	158	99.5	0.0
c. Burkitt (BL)	0	11	20	21	14	52	66	1.7	16.1	1.5	10.3	-	2.1	3.0	3.0	2.0	2.5	2.4	39	49	100.0	0.0
d. Lymphoreticular	5	4	5	6	1	20	21	0.7	6.2	0.5	3.3	3.9	0.8	0.8	0.9	0.1	1.0	0.8	15	16	95.2	0.0
e. Unspecified	1	1	2	0	7	4	11	0.1	1.2	0.2	1.7	0.8	0.2	0.3	-	1.0	0.2	0.4	3	8	63.6	18.2
III CNS NEOPLASMS †	63	246	244	226	238	779	1017	25.7	100.0	23.0	100.0	49.2	47.9	36.9	32.7	33.6	40.0	38.6	589	757	84.1	1.2
a. Ependymoma	8	37	17	16	18	78	96	2.6	10.0	2.2	9.4	6.2	7.2	2.6	2.3	2.5	4.2	3.8	59	72	97.9	0.0
b. Astrocytoma	24	115	107	110	100	356	456	11.7	45.7	10.3	44.8	18.7	22.4	16.2	15.9	14.1	18.2	17.3	269	339	91.4	0.2
c. CNS embryonal	19	61	50	41	13	171	184	5.6	22.0	4.2	18.1	14.8	11.9	7.6	5.9	1.8	9.0	7.4	130	139	98.4	0.0
d. Other gliomas	3	22	41	18	23	84	107	2.8	10.8	2.4	10.5	2.3	4.3	6.2	2.6	3.2	4.3	4.0	63	80	54.2	0.0
e. Other specified	5	5	27	36	76	73	149	2.4	9.4	3.4	14.7	3.9	1.0	4.1	5.2	10.7	3.4	5.1	54	108	67.1	0.7
f. Unspecified CNS	4	6	2	5	8	17	25	0.6	2.2	0.6	2.5	3.1	1.2	0.3	0.7	1.1	0.9	1.0	13	19	20.0	40.0
IV NEUROBLASTOMA	83	110	22	4	3	219	222	7.2	100.0	5.0	100.0	64.8	21.4	3.3	0.6	0.4	12.9	10.1	170	172	98.2	0.0
a. (Ganglio)neuroblastoma	83	110	21	2	2	216	218	7.1	98.6	4.9	98.2	64.8	21.4	3.2	0.3	0.3	12.8	9.9	168	169	98.2	0.0
b. Peripheral nervous	0	0	1	2	1	3	4	0.1	1.4	0.1	1.8	-	-	0.2	0.3	0.1	0.1	0.1	2	3	100.0	0.0
V RETINOBLASTOMA	32	25	5	0	0	62	62	2.0	100.0	1.4	100.0	25.0	4.9	0.8	-	-	3.7	2.9	48	48	71.0	3.2
VI RENAL TUMOURS	22	107	30	10	13	169	182	5.6	100.0	4.1	100.0	17.2	20.8	4.5	1.4	1.8	9.7	7.9	130	140	98.9	0.5
a. Nephroblastoma	22	107	28	8	3	165	168	5.4	97.6	3.8	92.3	17.2	20.8	4.2	1.2	0.4	9.5	7.4	127	130	98.8	0.6
b. Renal carcinoma	0	0	2	2	10	4	14	0.1	2.4	0.3	7.7	-	-	0.3	0.3	1.4	0.2	0.5	3	10	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	17	22	6	5	12	50	62	1.6	100.0	1.4	100.0	13.3	4.3	0.9	0.7	1.7	2.9	2.6	39	47	95.2	3.2
a. Hepatoblastoma	16	21	5	2	1	44	45	1.4	88.0	1.0	72.6	12.5	4.1	0.8	0.3	0.1	2.6	2.0	34	35	100.0	0.0
b. Hepatic carcinoma	1	1	1	2	11	5	16	0.2	10.0	0.4	25.8	0.8	0.2	0.2	0.3	1.6	0.3	0.5	4	12	87.5	6.3
c. Unspecified	0	0	0	1	0	1	1	0.0	2.0	0.0	1.6	-	-	-	0.1	-	0.0	0.0	1	1	0.0	100.0
VIII BONE TUMOURS	2	7	37	69	92	115	207	3.8	100.0	4.7	100.0	1.6	1.4	5.6	10.0	13.0	5.2	7.0	85	150	98.6	1.0
a. Osteosarcoma	0	0	23	42	61	65	126	2.1	56.5	2.8	60.9	-	-	3.5	6.1	8.6	2.9	4.2	48	91	100.0	0.0
b. Chondrosarcoma	0	1	0	0	3	1	4	0.0	0.9	0.1	1.9	-	0.2	-	-	0.4	0.1	0.1	1	3	100.0	0.0
c. Ewing & related	0	5	13	25	21	43	64	1.4	37.4	1.4	30.9	-	1.0	2.0	3.6	3.0	2.0	2.2	32	47	98.4	0.0
d. Other specified	0	1	0	2	7	3	10	0.1	2.6	0.2	4.8	-	0.2	-	0.3	1.0	0.1	0.3	2	7	100.0	0.0
e. Unspecified	2	0	1	0	0	3	3	0.1	2.6	0.1	1.4	1.6	-	0.2	-	-	0.2	0.1	2	2	33.3	66.7
IX SOFT TISSUE SARCOMA	19	57	52	75	91	203	294	6.7	100.0	6.6	100.0	14.8	11.1	7.9	10.9	12.8	10.3	10.8	153	217	99.7	0.3
a. Rhabdomyosarcoma	7	45	31	35	20	118	138	3.9	58.1	3.1	46.9	5.5	8.8	4.7	5.1	2.8	6.1	5.4	89	103	100.0	0.0
b. Fibrosarcoma	4	1	3	9	14	17	31	0.6	8.4	0.7	10.5	3.1	0.2	0.5	1.3	2.0	0.8	1.1	13	23	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	-	0.0	0.3	-	-	-	-	0.1	-	0.0	-	1	100.0	0.0
d. Other specified	5	10	14	23	47	52	99	1.7	25.6	2.2	33.7	3.9	1.9	2.1	3.3	6.6	2.6	3.5	39	72	99.0	1.0
e. Unspecified	3	1	4	8	9	16	25	0.5	7.9	0.6	8.5	2.3	0.2	0.6	1.2	1.3	0.8	0.9	12	18	100.0	0.0
X GERM CELL TUMOURS	23	20	12	38	176	93	269	3.1	100.0	6.1	100.0	18.0	3.9	1.8	5.5	24.8	4.8	9.3	70	194	97.4	0.4
a. CNS germ cell ‡	3	3	3	16	18	25	43	0.8	26.9	1.0	16.0	2.3	0.6	0.5	2.3	2.5	1.2	1.5	19	31	88.4	0.0
b. Other extragonadal	11	10	2	0	11	23	34	0.8	24.7	0.8	12.6	8.6	1.9	0.3	-	1.6	1.4	1.4	18	26	97.1	0.0
c. Gonadal germ cell	9	7	7	17	134	40	174	1.3	43.0	3.9	64.7	7.0	1.4	1.1	2.5	18.9	2.0	5.8	30	125	100.0	0.0
d. Gonadal carcinoma	0	0	0	3	10	3	13	0.1	3.2	0.3	4.8	-	-	-	0.4	1.4	0.1	0.4	2	9	100.0	0.0
e. Unspecified gonadal	0	0	0	2	3	2	5	0.1	2.2	0.1	1.9	-	-	-	0.3	0.4	0.1	0.2	1	4	80.0	20.0
XI CARCINOMA & MELANOMA	21	9	27	88	275	145	420	4.8	100.0	9.5	100.0	16.4	1.8	4.1	12.7	38.8	6.8	14.0	107	301	99.8	0.0
a. Adrenocortical	0	1	1	3	2	5	7	0.2	3.4	0.2	1.7	-	0.2	0.2	0.4	0.3	0.2	0.2	4	5	100.0	0.0
b. Thyroid	1	4	11	33	119	49	168	1.6	33.8	3.8	40.0	0.8	0.8	1.7	4.8	16.8	2.2	5.5	36	120	100.0	0.0
c. Nasopharyngeal	0	0	0	11	10	11	21	0.4	7.6	0.5	5.0	-	-	-	1.6	1.4	0.5	0.7	8	15	100.0	0.0
d. Melanoma	17	3	8	23	75	51	126	1.7	35.2	2.8	30.0	13.3	0.6	1.2	3.3	10.6	2.6	4.4	38	91	100.0	0.0
e. Skin carcinoma	2	0	1	0	2	3	5	0.1	2.1	0.1	1.2	1.6	-	0.2	-	0.3	0.2	0.2	2	4	100.0	0.0
f. Other & unspecified	1	1	6	18	67	26	93	0.9	17.9	2.1	22.1	0.8	0.2	0.9	2.6	9.5	1.2	3.0	19	66	98.9	0.0
XII OTHER & UNSPECIFIED	9	3	3	4	10	19	29	0.6	100.0	0.7	100.0	7.0	0.6	0.5	0.6	1.4	1.0	1.1	15	22	58.6	34.5
a. Other specified	4	2	2	2	6	10	16	0.3	52.6	0.4	55.2	3.1	0.4	0.3	0.3	0.8	0.5	0.6	8	12	100.0	0.0
b. Other unspecified	5	1	1	2	4	9	13	0.3	47.4	0.3	44.8	3.9	0.2	0.2	0.3	0.6	0.5	0.5	7	10	7.7	76.9
TOTAL	354	1077	739	866	1395	3036	4431	100.0	100.0	100.0	100.0	276.4	209.7	111.7	125.3	196.8	158.7	167.3	2300	3284	94.5	1.0

† includes 165 non-malignant ‡ includes 1 non-malignant

Please consult the quality indicators for this registry

USA, Missouri (1996-2012)

	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	21	234	118	98	104	471	575	49.4	44.7	1.2	1.3	29	190	94	76	64	389	453	43.0	37.5				
a. Lymphoid	6	208	97	69	58	380	438	40.2	34.7	1.3	1.3	11	159	75	54	26	299	325	33.1	27.4				
b. Acute myeloid	10	21	15	19	39	65	104	6.6	7.6	1.0	1.1	13	22	13	17	31	65	96	7.1	7.5				
c. CMD	1	1	2	2	6	6	12	0.6	0.8	0.5	0.8	2	4	3	2	4	11	15	1.2	1.2				
d. MDS & other	4	3	1	4	0	12	12	1.2	1.0	1.5	1.5	2	4	1	1	0	8	8	0.9	0.7				
e. Unspecified	0	1	3	4	1	8	9	0.7	0.6	1.3	1.0	1	1	2	2	3	6	9	0.6	0.7				
II LYMPHOMA & RELATED	8	35	60	120	163	223	386	20.6	26.1	2.3	1.5	5	12	29	53	154	99	253	9.6	17.4				
a. Hodgkin	0	6	12	55	98	73	171	6.4	11.0	2.1	1.1	0	0	4	31	119	35	154	3.1	10.1				
b. Non-Hodgkin except BL	4	18	28	41	49	91	140	8.6	9.7	1.9	1.8	3	7	18	19	29	47	76	4.7	5.5				
c. Burkitt (BL)	0	8	15	20	10	43	53	4.0	3.7	4.8	4.1	0	3	5	1	4	9	13	1.0	1.0				
d. Lymphoreticular	4	3	4	4	1	15	16	1.5	1.3	3.0	3.2	1	1	1	2	0	5	5	0.5	0.4				
e. Unspecified	0	0	1	0	5	1	6	0.1	0.4	0.3	1.2	1	1	1	0	2	3	5	0.3	0.4				
III CNS NEOPLASMS †	34	134	145	123	110	436	546	43.7	40.7	1.3	1.2	29	112	99	103	128	343	471	36.2	36.4				
a. Ependymoma	6	22	11	9	10	48	58	5.1	4.6	1.6	1.5	2	15	6	7	8	30	38	3.3	3.1				
b. Astrocytoma	11	61	55	58	49	185	234	18.5	17.4	1.1	1.1	13	54	52	52	51	171	222	17.9	17.2				
c. CNS embryonal	10	38	34	25	7	107	114	11.0	8.9	1.7	1.6	9	23	16	16	6	64	70	6.9	5.8				
d. Other gliomas	2	7	27	11	11	47	58	4.5	4.2	1.3	1.2	1	15	14	7	12	37	49	4.0	3.9				
e. Other specified	2	3	16	18	27	39	66	3.6	4.5	1.1	0.8	3	2	11	18	49	34	83	3.3	5.7				
f. Unspecified CNS	3	3	2	2	6	10	16	1.1	1.2	1.4	1.8	1	3	0	3	2	7	9	0.8	0.7				
IV NEUROBLASTOMA	38	58	14	0	2	110	112	12.7	9.9	1.0	1.0	45	52	8	4	1	109	110	13.1	10.2				
a. (Ganglio)neuroblastoma	38	58	14	0	1	110	111	12.7	9.9	1.0	1.0	45	52	7	2	1	106	107	12.8	10.0				
b. Peripheral nervous	0	0	0	0	1	0	1	-	0.1	0.0	0.3	0	0	1	2	0	3	3	0.3	0.2				
V RETINOBLASTOMA	16	12	4	0	0	32	32	3.7	2.9	1.1	1.1	16	13	1	0	0	30	30	3.7	2.9				
VI RENAL TUMOURS	11	61	16	5	6	93	99	10.4	8.5	1.2	1.2	11	46	14	5	7	76	83	8.9	7.3				
a. Nephroblastoma	11	61	15	3	1	90	91	10.2	7.9	1.2	1.2	11	46	13	5	2	75	77	8.8	6.9				
b. Renal carcinoma	0	0	1	2	5	3	8	0.3	0.5	3.0	1.3	0	0	1	0	5	1	6	0.1	0.4				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VII HEPATIC TUMOURS	6	13	2	2	8	23	31	2.6	2.5	0.9	1.0	11	9	4	3	4	27	31	3.1	2.7				
a. Hepatoblastoma	6	13	2	1	1	22	23	2.5	2.0	1.0	1.0	10	8	3	1	0	22	22	2.6	2.0				
b. Hepatic carcinoma	0	0	0	1	7	1	8	0.1	0.5	0.3	1.0	1	1	1	1	4	4	8	0.4	0.6				
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.1	0.1				
VIII BONE TUMOURS	2	4	18	38	62	62	124	5.5	8.1	1.2	1.5	0	3	19	31	30	53	83	4.9	5.8				
a. Osteosarcoma	0	0	10	25	42	35	77	3.0	4.9	1.2	1.6	0	0	13	17	19	30	49	2.8	3.4				
b. Chondrosarcoma	0	1	0	0	3	1	4	0.1	0.3	-	-	0	0	0	0	0	0	0	-	-				
c. Ewing & related	0	3	7	13	14	23	37	2.1	2.5	1.1	1.4	0	2	6	12	7	20	27	1.9	1.9				
d. Other specified	0	0	0	0	3	0	3	-	0.2	0.0	0.4	0	1	0	2	4	3	7	0.3	0.5				
e. Unspecified	2	0	1	0	0	3	3	0.3	0.3	-	-	0	0	0	0	0	0	0	-	-				
IX SOFT TISSUE SARCOMA	9	34	32	36	48	111	159	11.1	11.6	1.2	1.2	10	23	20	39	43	92	135	9.4	10.1				
a. Rhabdomyosarcoma	4	29	20	18	10	71	81	7.3	6.3	1.5	1.4	3	16	11	17	10	47	57	4.9	4.5				
b. Fibrosarcoma	1	1	2	3	6	7	13	0.7	0.9	0.7	0.7	3	0	1	6	8	10	18	1.0	1.3				
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	2	4	8	12	26	26	52	2.5	3.5	1.0	1.1	3	6	6	11	21	26	47	2.7	3.4				
e. Unspecified	2	0	2	3	5	7	12	0.7	0.8	0.8	0.9	1	1	2	5	4	9	13	0.9	0.9				
X GERM CELL TUMOURS	11	10	3	16	127	40	167	4.1	11.0	0.8	1.6	12	10	9	22	49	53	102	5.5	7.5				
a. CNS germ cell ‡	0	1	2	10	16	13	29	1.1	1.9	1.1	2.1	3	2	1	6	2	12	14	1.2	1.1				
b. Other extragonadal	3	5	1	0	4	9	13	1.0	1.1	0.6	0.6	8	5	1	0	7	14	21	1.7	1.8				
c. Gonadal germ cell	8	4	0	5	107	17	124	1.8	8.0	0.7	2.5	1	3	7	12	27	23	50	2.2	3.5				
d. Gonadal carcinoma	0	0	0	1	0	1	1	0.1	0.1	0.5	0.1	0	0	0	2	10	2	12	0.2	0.8				
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	3	2	5	0.2	0.3				
XI CARCINOMA & MELANOMA	12	5	13	36	91	66	157	6.2	10.4	0.8	0.6	9	4	14	52	184	79	263	7.5	17.8				
a. Adrenocortical	0	0	0	1	0	1	1	0.1	0.1	0.3	0.2	0	1	1	2	2	4	6	0.4	0.4				
b. Thyroid	0	2	4	11	19	17	36	1.5	2.4	0.5	0.3	1	2	7	22	100	32	132	3.0	8.8				
c. Nasopharyngeal	0	0	0	9	9	9	18	0.7	1.1	4.5	6.0	0	0	0	2	1	2	3	0.2	0.2				
d. Melanoma	9	3	3	6	34	21	55	2.2	3.8	0.7	0.8	8	0	5	17	41	30	71	3.0	5.0				
e. Skin carcinoma	2	0	1	0	1	3	4	0.3	0.3	-	4.0	0	0	0	0	1	0	1	-	0.1				
f. Other & unspecified	1	0	5	9	28	15	43	1.3	2.8	1.4	0.9	0	1	1	9	39	11	50	1.0	3.3				
XII OTHER & UNSPECIFIED	8	3	2	2	5	15	20	1.7	1.6	3.8	2.2	1	0	1	2	5	4	9	0.4	0.6				
a. Other specified	3	2	1	0	3	6	9	0.7	0.7	1.5	1.3	1	0	1	2	3	4	7	0.4	0.5				
b. Other unspecified	5	1	1	2	2	9	11	1.0	0.9	-	5.5	0	0	0	0	2	0	2	-	0.1				
TOTAL	176	603	427	476	726	1682	2408	171.6	178.0	1.2	1.2	178	474	312	390	669	1354	2023	145.2	156.1				

† includes 81 non-malignant in males and 84 non-malignant in females ‡ includes 1 non-malignant in females

Please consult the quality indicators for this registry

USA, Missouri (1996-2012)

	Age group	Males	Females
Person-years	0	656 763	624 091
	1-4	2 624 194	2 511 140
	5-9	3 385 164	3 231 688
	10-14	3 539 828	3 372 393
	15-19	3 630 391	3 457 097
Total	0-14	10 205 949	9 739 312
	0-19	13 836 340	13 196 409
Average annual population	0-14	600 350	572 901
	0-19	813 902	776 259

Please consult the quality indicators for this registry