

USA, Michigan, Hispanic 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
I LEUKAEMIA	5	27	22	24	10	78	88	33.6	100.0	28.8	100.0	39.3	56.4	39.4	48.0	20.8	47.1	41.2	701	805	97.7	0.0
a. Lymphoid	2	22	21	19	5	64	69	27.6	82.1	22.5	78.4	15.7	45.9	37.6	38.0	10.4	38.5	32.2	576	628	98.6	0.0
b. Acute myeloid	2	3	1	4	2	10	12	4.3	12.8	3.9	13.6	15.7	6.3	1.8	8.0	4.2	6.1	5.7	90	111	100.0	0.0
c. CMD	0	0	0	0	1	0	1	-	-	0.3	1.1	-	-	-	-	2.1	-	0.5	-	10	0.0	0.0
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	1	2	0	1	2	4	6	1.7	5.1	2.0	6.8	7.9	4.2	-	2.0	4.2	2.5	2.9	35	56	100.0	0.0
II LYMPHOMA & RELATED	1	5	5	9	14	20	34	8.6	100.0	11.1	100.0	7.9	10.4	8.9	18.0	29.2	11.9	15.8	184	330	100.0	0.0
a. Hodgkin	0	0	3	3	10	6	16	2.6	30.0	5.2	47.1	-	-	5.4	6.0	20.8	3.5	7.4	57	161	100.0	0.0
b. Non-Hodgkin except BL	1	1	1	4	3	7	10	3.0	35.0	3.3	29.4	7.9	2.1	1.8	8.0	6.2	4.2	4.6	65	97	100.0	0.0
c. Burkitt (BL)	0	0	1	1	0	2	2	0.9	10.0	0.7	5.9	-	-	1.8	2.0	-	1.2	0.9	19	19	100.0	0.0
d. Lymphoreticular	0	4	0	1	1	5	6	2.2	25.0	2.0	17.6	-	8.3	-	2.0	2.1	3.1	2.9	43	53	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III CNS NEOPLASMS †	4	28	10	12	8	54	62	23.3	100.0	20.3	100.0	31.5	58.4	17.9	24.0	16.7	33.2	29.5	473	557	77.4	0.0
a. Ependymoma	0	4	0	0	0	4	4	1.7	7.4	1.3	6.5	-	8.3	-	-	-	2.6	2.0	33	33	100.0	0.0
b. Astrocytoma	0	12	6	5	4	23	27	9.9	42.6	8.8	43.5	-	25.0	10.7	10.0	8.3	14.0	12.7	203	244	88.9	0.0
c. CNS embryonal	3	9	1	1	1	14	15	6.0	25.9	4.9	24.2	23.6	18.8	1.8	2.0	2.1	8.8	7.3	118	128	100.0	0.0
d. Other gliomas	0	1	2	5	0	8	8	3.4	14.8	2.6	12.9	-	2.1	3.6	10.0	-	4.7	3.6	76	76	0.0	0.0
e. Other specified	0	2	0	1	3	3	6	1.3	5.6	2.0	9.7	-	4.2	-	2.0	6.2	1.9	2.8	27	58	83.3	0.0
f. Unspecified CNS	1	0	1	0	0	2	2	0.9	3.7	0.7	3.2	7.9	-	1.8	-	-	1.2	0.9	17	17	0.0	0.0
IV NEUROBLASTOMA	5	8	1	2	0	16	16	6.9	100.0	5.2	100.0	39.3	16.7	1.8	4.0	-	10.0	7.8	136	136	100.0	0.0
a. (Ganglio)neuroblastoma	5	8	1	2	0	16	16	6.9	100.0	5.2	100.0	39.3	16.7	1.8	4.0	-	10.0	7.8	136	136	100.0	0.0
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V RETINOBLASTOMA	2	4	0	0	0	6	6	2.6	100.0	2.0	100.0	15.7	8.3	-	-	-	3.8	3.0	49	49	100.0	0.0
VI RENAL TUMOURS	1	11	2	1	0	15	15	6.5	100.0	4.9	100.0	7.9	23.0	3.6	2.0	-	9.4	7.3	127	127	100.0	0.0
a. Nephroblastoma	1	11	2	1	0	15	15	6.5	100.0	4.9	100.0	7.9	23.0	3.6	2.0	-	9.4	7.3	127	127	100.0	0.0
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	0	2	1	0	1	3	4	1.3	100.0	1.3	100.0	-	4.2	1.8	-	2.1	1.9	1.9	25	36	100.0	0.0
a. Hepatoblastoma	0	2	1	0	0	3	3	1.3	100.0	1.0	75.0	-	4.2	1.8	-	-	1.9	1.4	25	25	100.0	0.0
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	-	0.3	25.0	-	-	-	-	2.1	-	0.5	-	10	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	2	1	3	4	6	10	2.6	100.0	3.3	100.0	-	4.2	1.8	6.0	8.3	3.6	4.7	55	97	100.0	0.0
a. Osteosarcoma	0	0	1	2	4	3	7	1.3	50.0	2.3	70.0	-	-	1.8	4.0	8.3	1.7	3.2	29	71	100.0	0.0
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Ewing & related	0	2	0	1	0	3	3	1.3	50.0	1.0	30.0	-	4.2	-	2.0	-	1.9	1.4	27	27	100.0	0.0
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX SOFT TISSUE SARCOMA	2	4	3	5	5	14	19	6.0	100.0	6.2	100.0	15.7	8.3	5.4	10.0	10.4	8.5	8.9	126	178	94.7	0.0
a. Rhabdomyosarcoma	1	2	0	1	3	4	7	1.7	28.6	2.3	36.8	7.9	4.2	-	2.0	6.2	2.5	3.3	35	66	100.0	0.0
b. Fibrosarcoma	0	0	1	3	0	4	4	1.7	28.6	1.3	21.1	-	-	1.8	6.0	-	2.3	1.8	39	39	75.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	1	2	1	1	1	5	6	2.2	35.7	2.0	31.6	7.9	4.2	1.8	2.0	2.1	3.1	2.9	44	54	100.0	0.0
e. Unspecified	0	0	1	0	1	1	2	0.4	7.1	0.7	10.5	-	-	1.8	-	2.1	0.6	0.9	9	19	100.0	0.0
X GERM CELL TUMOURS	1	3	2	1	16	7	23	3.0	100.0	7.5	100.0	7.9	6.3	3.6	2.0	33.3	4.3	10.8	61	227	95.7	0.0
a. CNS germ cell	0	0	0	0	2	0	2	-	-	0.7	8.7	-	-	-	-	4.2	-	0.9	-	21	100.0	0.0
b. Other extragonadal	1	1	0	0	2	2	4	0.9	28.6	1.3	17.4	7.9	2.1	-	-	4.2	1.3	1.9	16	37	75.0	0.0
c. Gonadal germ cell	0	2	2	1	12	5	17	2.2	71.4	5.6	73.9	-	4.2	3.6	2.0	25.0	3.0	8.0	44	169	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI CARCINOMA & MELANOMA	1	0	4	6	16	11	27	4.7	100.0	8.8	100.0	7.9	-	7.2	12.0	33.3	6.4	12.5	104	271	100.0	0.0
a. Adrenocortical	0	0	1	0	1	1	2	0.4	9.1	0.7	7.4	-	-	1.8	-	2.1	0.6	0.9	9	19	100.0	0.0
b. Thyroid	0	0	1	3	6	4	10	1.7	36.4	3.3	37.0	-	-	1.8	6.0	12.5	2.3	4.6	39	101	100.0	0.0
c. Nasopharyngeal	0	0	0	0	1	0	1	-	-	0.3	3.7	-	-	-	-	2.1	-	0.5	-	10	100.0	0.0
d. Melanoma	1	0	1	0	2	2	4	0.9	18.2	1.3	14.8	7.9	-	1.8	-	4.2	1.2	1.9	17	38	100.0	0.0
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f. Other & unspecified	0	0	1	3	6	4	10	1.7	36.4	3.3	37.0	-	-	1.8	6.0	12.5	2.3	4.6	39	101	100.0	0.0
XII OTHER & UNSPECIFIED	1	0	1	0	0	2	2	0.9	100.0	0.7	100.0	7.9	-	1.8	-	-	1.2	0.9	17	17	50.0	0.0
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Other unspecified	1	0	1	0	0	2	2	0.9	100.0	0.7	100.0	7.9	-	1.8	-	-	1.2	0.9	17	17	50.0	0.0
TOTAL	23	94	52	63	74	232	306	100.0	100.0	100.0	100.0	180.9	196.2	93.0	126.1	154.1	141.3	144.2	2060	2831	93.8	0.0

† includes 6 non-malignant

Please consult the quality indicators for this registry

USA, Michigan, Hispanic 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		
I LEUKAEMIA	2	16	13	18	8	49	57	57.7	51.9	1.7	1.8	3	11	9	6	2	29	31	36.0	29.8		
a. Lymphoid	0	13	12	15	4	40	44	46.9	39.9	1.7	1.8	2	9	9	4	1	24	25	29.7	24.0		
b. Acute myeloid	1	1	1	3	2	6	8	7.0	7.2	1.5	2.0	1	2	0	1	0	4	4	5.1	4.0		
c. CMD	0	0	0	0	1	0	1	-	0.9	-	-	0	0	0	0	0	0	0	-	-		
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	1	2	0	0	1	3	4	3.8	3.8	3.0	2.0	0	0	0	1	1	1	2	1.2	1.9		
II LYMPHOMA & RELATED	1	4	2	5	9	12	21	14.2	19.1	1.5	1.6	0	1	3	4	5	8	13	9.6	12.3		
a. Hodgkin	0	0	1	3	6	4	10	4.5	8.9	2.0	1.7	0	0	2	0	4	2	6	2.3	5.7		
b. Non-Hodgkin except BL	1	1	1	1	2	4	6	4.8	5.5	1.3	1.5	0	0	0	3	1	3	4	3.6	3.7		
c. Burkitt (BL)	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	1	0	2	2	2.4	1.8		
d. Lymphoreticular	0	3	0	1	1	4	5	4.9	4.7	4.0	5.0	0	1	0	0	0	1	1	1.3	1.0		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
III CNS NEOPLASMS †	3	16	7	9	4	35	39	41.9	36.1	1.8	1.7	1	12	3	3	4	19	23	24.1	22.6		
a. Ependymoma	0	2	0	0	0	2	2	2.5	1.9	1.0	1.0	0	2	0	0	0	2	2	2.6	2.0		
b. Astrocytoma	0	6	3	2	3	11	14	13.2	12.9	0.9	1.1	0	6	3	3	1	12	13	14.9	12.5		
c. CNS embryonal	3	7	1	1	0	12	12	14.8	11.4	6.0	4.0	0	2	0	0	1	2	3	2.6	3.0		
d. Other gliomas	0	1	2	5	0	8	8	9.2	7.1	-	-	0	0	0	0	0	0	0	-	-		
e. Other specified	0	0	0	1	1	1	2	1.1	1.8	0.5	0.5	0	2	0	0	2	2	4	2.6	4.0		
f. Unspecified CNS	0	0	1	0	0	1	1	1.1	0.9	1.0	1.0	1	0	0	0	0	1	1	1.3	1.0		
IV NEUROBLASTOMA	3	2	1	0	0	6	6	7.4	5.7	0.6	0.6	2	6	0	2	0	10	10	12.8	9.9		
a. (Ganglio)neuroblastoma	3	2	1	0	0	6	6	7.4	5.7	0.6	0.6	2	6	0	2	0	10	10	12.8	9.9		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	2	4	0	0	0	6	6	7.5	5.8	-	-	0	0	0	0	0	0	0	-	-		
VI RENAL TUMOURS	1	6	2	1	0	10	10	12.2	9.4	2.0	2.0	0	5	0	0	0	5	5	6.5	5.1		
a. Nephroblastoma	1	6	2	1	0	10	10	12.2	9.4	2.0	2.0	0	5	0	0	0	5	5	6.5	5.1		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	0	1	1	0	1	2	3	2.4	2.7	2.0	3.0	0	1	0	0	0	1	1	1.3	1.0		
a. Hepatoblastoma	0	1	1	0	0	2	2	2.4	1.8	2.0	2.0	0	1	0	0	0	1	1	1.3	1.0		
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	0.9	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	1	0	3	2	4	6	4.7	5.4	2.0	1.5	0	1	1	0	2	2	4	2.5	3.9		
a. Osteosarcoma	0	0	0	2	2	2	4	2.3	3.6	2.0	1.3	0	0	1	0	2	1	3	1.2	2.9		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	1	0	1	0	2	2	2.4	1.8	2.0	2.0	0	1	0	0	0	1	1	1.3	1.0		
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
IX SOFT TISSUE SARCOMA	1	2	2	1	3	6	9	7.2	8.2	0.8	0.9	1	2	1	4	2	8	10	9.8	9.6		
a. Rhabdomyosarcoma	0	1	0	0	2	1	3	1.3	2.8	0.3	0.8	1	1	0	1	1	3	4	3.8	3.9		
b. Fibrosarcoma	0	0	1	1	0	2	2	2.3	1.8	1.0	1.0	0	0	0	2	0	2	2	2.4	1.8		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	1	1	0	0	0	2	2	2.5	1.9	0.7	0.5	0	1	1	1	1	3	4	3.7	3.8		
e. Unspecified	0	0	1	0	1	1	2	1.1	1.8	-	-	0	0	0	0	0	0	0	-	-		
X GERM CELL TUMOURS	0	2	0	0	12	2	14	2.5	12.7	0.4	1.6	1	1	2	1	4	5	9	6.1	8.7		
a. CNS germ cell	0	0	0	0	2	0	2	-	1.8	-	-	0	0	0	0	0	0	0	-	-		
b. Other extragonadal	0	0	0	0	1	0	1	-	0.9	0.0	0.3	1	1	0	0	1	2	3	2.6	3.0		
c. Gonadal germ cell	0	2	0	0	9	2	11	2.5	10.0	0.7	1.8	0	0	2	1	3	3	6	3.5	5.7		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
XI CARCINOMA & MELANOMA	1	0	2	2	8	5	13	5.8	11.7	0.8	0.9	0	0	2	4	8	6	14	7.1	13.4		
a. Adrenocortical	0	0	1	0	1	1	2	1.1	1.8	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	0	1	1	1	2	1.1	1.8	0.3	0.3	0	0	1	2	5	3	8	3.6	7.7		
c. Nasopharyngeal	0	0	0	0	1	0	1	-	0.9	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	1	0	1	0	2	2	4	2.4	3.6	-	-	0	0	0	0	0	0	0	-	-		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	0	1	3	1	4	1.1	3.6	0.3	0.7	0	0	1	2	3	3	6	3.6	5.7		
XII OTHER & UNSPECIFIED	1	0	0	0	0	1	1	1.3	1.0	1.0	1.0	0	0	1	0	0	1	1	1.2	0.9		
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	1	0	0	0	0	1	1	1.3	1.0	1.0	1.0	0	0	1	0	0	1	1	1.2	0.9		
TOTAL	15	54	30	39	47	138	185	164.6	169.7	1.5	1.5	8	40	22	24	27	94	121	117.0	117.2		

† includes 2 non-malignant in males and 4 non-malignant in females

Please consult the quality indicators for this registry

USA, Michigan, Hispanic White (1998-2012)

	Age group	Males	Females
Person-years	0	64 939	62 191
	1-4	244 675	234 381
	5-9	284 325	274 752
	10-14	255 678	244 079
	15-19	251 060	229 200
Total	0-14	849 617	815 403
	0-19	1 100 677	1 044 603
Average annual population	0-14	56 641	54 360
	0-19	73 378	69 640

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