

USA, Michigan, Detroit, Black (1993-2012)

	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	18	47	46	37	34	148	182	23.4	100.0	20.5	100.0	57.4	35.3	25.5	20.4	20.2	29.4	27.4	427	528	98.4	0.0	
a. Lymphoid	4	32	37	22	11	95	106	15.0	64.2	11.9	58.2	12.8	24.0	20.5	12.1	6.5	18.6	15.9	273	305	100.0	0.0	
b. Acute myeloid	8	11	5	8	13	32	45	5.1	21.6	5.1	24.7	25.5	8.3	2.8	4.4	7.7	6.6	6.9	94	132	97.8	0.0	
c. CMD	0	2	0	5	4	7	11	1.1	4.7	1.2	6.0	-	1.5	-	2.8	2.4	1.3	1.5	20	32	100.0	0.0	
d. MDS & other	2	0	2	1	5	5	10	0.8	3.4	1.1	5.5	6.4	-	1.1	0.6	3.0	1.0	1.4	14	29	90.0	0.0	
e. Unspecified	4	2	2	1	1	9	10	1.4	6.1	1.1	5.5	12.8	1.5	1.1	0.6	0.6	1.9	1.6	27	30	90.0	0.0	
II LYMPHOMA & RELATED	0	8	16	38	56	62	118	9.8	100.0	13.3	100.0	-	6.0	8.9	20.9	33.3	10.8	15.9	173	340	100.0	0.0	
a. Hodgkin	0	0	5	22	26	27	53	4.3	43.5	6.0	44.9	-	-	2.8	12.1	15.4	4.4	6.9	75	152	100.0	0.0	
b. Non-Hodgkin except BL	0	8	8	10	27	26	53	4.1	41.9	6.0	44.9	-	6.0	4.4	5.5	16.0	4.9	7.4	74	154	100.0	0.0	
c. Burkitt (BL)	0	0	1	3	2	4	6	0.6	6.5	0.7	5.1	-	-	0.6	1.7	1.2	0.7	0.8	11	17	100.0	0.0	
d. Lymphoreticular	0	0	1	0	0	1	1	0.2	1.6	0.1	0.8	-	-	0.6	-	-	0.2	0.1	3	3	100.0	0.0	
e. Unspecified	0	0	1	3	1	4	5	0.6	6.5	0.6	4.2	-	-	0.6	1.7	0.6	0.7	0.6	11	14	100.0	0.0	
III CNS NEOPLASMS	12	39	52	42	22	145	167	22.9	100.0	18.8	100.0	38.3	29.3	28.9	23.2	13.1	28.0	24.7	415	480	91.0	0.6	
a. Ependymoma	0	6	4	2	1	12	13	1.9	8.3	1.5	7.8	-	4.5	2.2	1.1	0.6	2.4	2.0	35	38	92.3	7.7	
b. Astrocytoma	6	20	26	24	13	76	89	12.0	52.4	10.0	53.3	19.1	15.0	14.4	13.2	7.7	14.6	13.1	217	256	94.4	0.0	
c. CNS embryonal	2	8	11	6	1	27	28	4.3	18.6	3.2	16.8	6.4	6.0	6.1	3.3	0.6	5.3	4.2	77	80	100.0	0.0	
d. Other gliomas	1	5	9	10	3	25	28	3.9	17.2	3.2	16.8	3.2	3.8	5.0	5.5	1.8	4.6	4.0	71	80	67.9	0.0	
e. Other specified	1	0	1	0	4	2	6	0.3	1.4	0.7	3.6	3.2	-	0.6	-	2.4	0.4	0.9	6	18	100.0	0.0	
f. Unspecified CNS	2	0	1	0	0	3	3	0.5	2.1	0.3	1.8	6.4	-	0.6	-	-	0.6	0.5	9	9	100.0	0.0	
IV NEUROBLASTOMA	13	34	6	3	4	56	60	8.8	100.0	6.8	100.0	41.5	25.5	3.3	1.7	2.4	12.6	10.3	168	180	100.0	0.0	
a. (Ganglio)neuroblastoma	13	33	6	3	3	55	58	8.7	98.2	6.5	96.7	41.5	24.8	3.3	1.7	1.8	12.4	10.0	165	174	100.0	0.0	
b. Peripheral nervous	0	1	0	0	1	1	2	0.2	1.8	0.2	3.3	-	0.8	-	-	0.6	0.2	0.3	3	6	100.0	0.0	
V RETINOBLASTOMA	11	16	0	0	0	27	27	4.3	100.0	3.0	100.0	35.1	12.0	-	-	-	6.4	4.9	82	82	96.3	0.0	
VI RENAL TUMOURS	7	30	14	4	7	55	62	8.7	100.0	7.0	100.0	22.3	22.5	7.8	2.2	4.2	11.9	10.1	162	183	100.0	0.0	
a. Nephroblastoma	7	29	14	2	1	52	53	8.2	94.5	6.0	85.5	22.3	21.8	7.8	1.1	0.6	11.3	8.9	154	157	100.0	0.0	
b. Renal carcinoma	0	1	0	2	6	3	9	0.5	5.5	1.0	14.5	-	0.8	-	1.1	3.6	0.6	1.2	9	26	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VII HEPATIC TUMOURS	0	3	0	3	1	6	7	0.9	100.0	0.8	100.0	-	2.3	-	1.7	0.6	1.2	1.1	17	20	100.0	0.0	
a. Hepatoblastoma	0	3	0	1	0	4	4	0.6	66.7	0.5	57.1	-	2.3	-	0.6	-	0.9	0.7	12	12	100.0	0.0	
b. Hepatic carcinoma	0	0	0	2	1	2	3	0.3	33.3	0.3	42.9	-	-	-	1.1	0.6	0.3	0.4	6	8	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIII BONE TUMOURS	0	0	5	19	23	24	47	3.8	100.0	5.3	100.0	-	-	2.8	10.5	13.7	3.9	6.1	66	135	97.9	0.0	
a. Osteosarcoma	0	0	4	17	18	21	39	3.3	87.5	4.4	83.0	-	-	2.2	9.4	10.7	3.4	5.1	58	111	100.0	0.0	
b. Chondrosarcoma	0	0	1	1	2	2	4	0.3	8.3	0.5	8.5	-	-	0.6	0.6	1.2	0.3	0.5	6	11	75.0	0.0	
c. Ewing & related	0	0	0	0	2	0	2	-	-	0.2	4.3	-	-	-	-	1.2	-	0.3	-	6	100.0	0.0	
d. Other specified	0	0	0	0	1	0	1	-	-	0.1	2.1	-	-	-	-	0.6	-	0.1	-	3	100.0	0.0	
e. Unspecified	0	0	0	1	0	1	1	0.2	4.2	0.1	2.1	-	-	-	0.6	-	0.2	0.1	3	3	100.0	0.0	
IX SOFT TISSUE SARCOMA	6	15	15	26	34	62	96	9.8	100.0	10.8	100.0	19.1	11.3	8.3	14.3	20.2	11.8	13.7	177	278	100.0	0.0	
a. Rhabdomyosarcoma	2	11	9	7	6	29	35	4.6	46.8	3.9	36.5	6.4	8.3	5.0	3.9	3.6	5.8	5.3	84	102	100.0	0.0	
b. Fibrosarcoma	2	2	1	4	5	9	14	1.4	14.5	1.6	14.6	6.4	1.5	0.6	2.2	3.0	1.8	2.0	26	41	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	2	1	4	12	17	19	36	3.0	30.6	4.1	37.5	6.4	0.8	2.2	6.6	10.1	3.3	4.9	53	104	100.0	0.0	
e. Unspecified	0	1	1	3	6	5	11	0.8	8.1	1.2	11.5	-	0.8	0.6	1.7	3.6	0.9	1.5	14	32	100.0	0.0	
X GERM CELL TUMOURS	14	6	2	8	28	30	58	4.7	100.0	6.5	100.0	44.7	4.5	1.1	4.4	16.6	6.3	8.7	88	172	96.6	0.0	
a. CNS germ cell	0	1	0	2	5	3	8	0.5	10.0	0.9	13.8	-	0.8	-	1.1	3.0	0.6	1.1	9	23	100.0	0.0	
b. Other extragonadal	11	3	0	1	7	15	22	2.4	50.0	2.5	37.9	35.1	2.3	-	0.6	4.2	3.5	3.6	45	66	90.9	0.0	
c. Gonadal germ cell	3	1	2	5	13	11	24	1.7	36.7	2.7	41.4	9.6	0.8	1.1	2.8	7.7	2.1	3.4	31	70	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified gonadal	0	1	0	0	3	1	4	0.2	3.3	0.5	6.9	-	0.8	-	-	1.8	0.2	0.6	3	12	100.0	0.0	
XI CARCINOMA & MELANOMA	0	2	3	12	44	17	61	2.7	100.0	6.9	100.0	-	1.5	1.7	6.6	26.1	2.9	8.2	47	178	96.7	0.0	
a. Adrenocortical	0	1	0	0	0	1	1	0.2	5.9	0.1	1.6	-	0.8	-	-	-	0.2	0.2	3	3	100.0	0.0	
b. Thyroid	0	0	2	2	8	4	12	0.6	23.5	1.4	19.7	-	-	1.1	1.1	4.8	0.7	1.6	11	35	100.0	0.0	
c. Nasopharyngeal	0	0	0	3	5	3	8	0.5	17.6	0.9	13.1	-	-	-	1.7	3.0	0.5	1.0	8	23	100.0	0.0	
d. Melanoma	0	1	0	0	2	1	3	0.2	5.9	0.3	4.9	-	0.8	-	-	1.2	0.2	0.4	3	9	100.0	0.0	
e. Skin carcinoma	0	0	0	1	1	1	2	0.2	5.9	0.2	3.3	-	-	-	0.6	0.6	0.2	0.3	3	6	100.0	0.0	
f. Other & unspecified	0	0	1	6	28	7	35	1.1	41.2	3.9	57.4	-	-	0.6	3.3	16.6	1.1	4.6	19	102	94.3	0.0	
XII OTHER & UNSPECIFIED	1	0	0	0	2	1	3	0.2	100.0	0.3	100.0	3.2	-	-	-	1.2	0.2	0.4	3	9	100.0	0.0	
a. Other specified	1	0	0	0	0	1	1	0.2	100.0	0.1	33.3	3.2	-	-	-	-	0.2	0.2	3	3	100.0	0.0	
b. Other unspecified	0	0	0	0	2	0	2	-	-	0.2	66.7	-	-	-	-	1.2	-	0.3	-	6	6	100.0	0.0
TOTAL	82	200	159	192	255	633	888	100.0	100.0	100.0	100.0	261.6	150.1	88.3	105.8	151.5	125.5	131.4	1827	2585	97.3	0.1	

Please consult the quality indicators for this registry

USA, Michigan, Detroit, Black (1993-2012)

	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	11	25	18	25	16	79	95	31.0	28.2	1.1	1.1	7	22	28	12	18	69	87	27.9	26.5		
a. Lymphoid	2	17	16	15	6	50	56	19.2	16.5	1.1	1.1	2	15	21	7	5	45	50	18.0	15.3		
b. Acute myeloid	6	5	2	5	6	18	24	7.4	7.3	1.3	1.1	2	6	3	3	7	14	21	5.9	6.4		
c. CMD	0	1	0	4	0	5	5	1.7	1.3	2.5	0.8	0	1	0	1	4	2	6	0.8	1.7		
d. MDS & other	1	0	0	0	3	1	4	0.5	1.2	0.3	0.7	1	0	2	1	2	4	6	1.5	1.7		
e. Unspecified	2	2	0	1	1	5	6	2.2	1.9	1.3	1.5	2	0	2	0	0	4	4	1.7	1.3		
II LYMPHOMA & RELATED	0	6	14	17	29	37	66	13.1	17.9	1.5	1.3	0	2	2	21	27	25	52	8.5	13.8		
a. Hodgkin	0	0	3	9	11	12	23	3.9	6.0	0.8	0.8	0	0	2	13	15	15	30	4.9	7.9		
b. Non-Hodgkin except BL	0	6	8	6	17	20	37	7.5	10.3	3.3	2.3	0	2	0	4	10	6	16	2.3	4.4		
c. Burkitt (BL)	0	0	1	1	0	2	2	0.7	0.5	1.0	0.5	0	0	0	2	2	2	4	0.6	1.0		
d. Lymphoreticular	0	0	1	0	0	1	1	0.4	0.3	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	1	1	1	2	3	0.7	0.8	1.0	1.5	0	0	0	2	0	2	2	0.6	0.5		
III CNS NEOPLASMS	9	18	26	19	12	72	84	27.7	24.7	1.0	1.0	3	21	26	23	10	73	83	28.4	24.7		
a. Ependymoma	0	4	2	0	0	6	6	2.6	2.0	1.0	0.9	0	2	2	2	1	6	7	2.3	2.1		
b. Astrocytoma	3	10	14	10	7	37	44	14.1	12.8	0.9	1.0	3	10	12	14	6	39	45	15.1	13.3		
c. CNS embryonal	2	3	5	4	1	14	15	5.3	4.4	1.1	1.2	0	5	6	2	0	13	13	5.2	4.0		
d. Other gliomas	1	1	5	5	2	12	14	4.3	3.8	0.9	1.0	0	4	4	5	1	13	14	5.0	4.1		
e. Other specified	1	0	0	0	2	1	3	0.5	0.9	1.0	1.0	0	0	1	0	2	1	3	0.4	0.8		
f. Unspecified CNS	2	0	0	0	0	2	2	0.9	0.7	2.0	2.0	0	0	1	0	0	1	1	0.4	0.3		
IV NEUROBLASTOMA	7	12	3	1	2	23	25	10.2	8.4	0.7	0.7	6	22	3	2	2	33	35	15.1	12.2		
a. (Ganglio)neuroblastoma	7	11	3	1	1	22	23	9.7	7.8	0.7	0.7	6	22	3	2	2	33	35	15.1	12.2		
b. Peripheral nervous	0	1	0	0	1	1	2	0.5	0.6	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	5	10	0	0	0	15	15	7.0	5.4	1.3	1.3	6	6	0	0	0	12	12	5.7	4.4		
VI RENAL TUMOURS	4	12	6	1	3	23	26	9.9	8.4	0.7	0.7	3	18	8	3	4	32	36	13.9	11.8		
a. Nephroblastoma	4	11	6	1	0	22	22	9.4	7.3	0.7	0.7	3	18	8	1	1	30	31	13.3	10.5		
b. Renal carcinoma	0	1	0	0	3	1	4	0.5	1.2	0.5	0.8	0	0	0	2	3	2	5	0.6	1.3		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	0	2	0	2	1	4	5	1.6	1.5	2.0	2.5	0	1	0	1	0	2	2	0.8	0.6		
a. Hepatoblastoma	0	2	0	0	0	2	2	0.9	0.7	1.0	1.0	0	1	0	1	0	2	2	0.8	0.6		
b. Hepatic carcinoma	0	0	0	2	1	2	3	0.6	0.8	-	-	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	0	3	11	15	14	29	4.5	7.5	1.4	1.6	0	0	2	8	8	10	18	3.3	4.7		
a. Osteosarcoma	0	0	3	10	11	13	24	4.2	6.2	1.6	1.6	0	0	1	7	7	8	15	2.6	3.9		
b. Chondrosarcoma	0	0	0	1	2	1	3	0.3	0.8	1.0	3.0	0	0	1	0	0	1	1	0.4	0.3		
c. Ewing & related	0	0	0	0	2	0	2	-	0.5	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.3		
e. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.3	0.3		
IX SOFT TISSUE SARCOMA	2	7	12	13	16	34	50	12.5	14.0	1.2	1.1	4	8	3	13	18	28	46	11.0	13.4		
a. Rhabdomyosarcoma	0	5	8	2	2	15	17	5.8	5.0	1.1	0.9	2	6	1	5	4	14	18	5.8	5.6		
b. Fibrosarcoma	0	1	1	3	2	5	7	1.8	1.9	1.3	1.0	2	1	0	1	3	4	7	1.8	2.2		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	2	0	3	6	10	11	21	3.9	5.7	1.4	1.4	0	1	1	6	7	8	15	2.8	4.0		
e. Unspecified	0	1	0	2	2	3	5	1.1	1.4	1.5	0.8	0	0	1	1	4	2	6	0.7	1.6		
X GERM CELL TUMOURS	6	1	1	2	7	10	17	4.2	5.1	0.5	0.4	8	5	1	6	21	20	41	8.5	12.2		
a. CNS germ cell	0	0	0	2	2	2	4	0.6	1.0	2.0	1.0	0	1	0	0	3	1	4	0.5	1.2		
b. Other extragonadal	3	0	0	0	0	3	3	1.4	1.1	0.3	0.2	8	3	0	1	7	12	19	5.6	6.2		
c. Gonadal germ cell	3	0	1	0	4	4	8	1.7	2.4	0.6	0.5	0	1	1	5	9	7	16	2.5	4.3		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified gonadal	0	1	0	0	1	1	2	0.5	0.6	-	1.0	0	0	0	0	2	0	2	-	0.5		
XI CARCINOMA & MELANOMA	0	1	1	8	19	10	29	3.3	7.6	1.4	0.9	0	1	2	4	25	7	32	2.5	8.7		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	0.5	0.4		
b. Thyroid	0	0	1	1	1	2	3	0.7	0.8	1.0	0.3	0	0	1	1	7	2	9	0.7	2.4		
c. Nasopharyngeal	0	0	0	3	4	3	7	0.9	1.8	-	7.0	0	0	0	0	1	0	1	-	0.3		
d. Melanoma	0	1	0	0	0	1	1	0.5	0.4	-	0.5	0	0	0	0	2	0	2	-	0.5		
e. Skin carcinoma	0	0	0	0	1	0	1	-	0.3	0.0	1.0	0	0	0	1	0	1	1	0.3	0.3		
f. Other & unspecified	0	0	0	4	13	4	17	1.3	4.4	1.3	0.9	0	0	1	2	15	3	18	1.0	4.8		
XII OTHER & UNSPECIFIED	1	0	0	0	1	1	2	0.5	0.6	-	2.0	0	0	0	0	1	0	1	-	0.3		
a. Other specified	1	0	0	0	0	1	1	0.5	0.4	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	0	0	0	0	1	0	1	-	0.3	-	1.0	0	0	0	0	1	0	1	-	0.3		
TOTAL	45	94	84	99	121	322	443	125.4	129.4	1.0	1.0	37	106	75	93	134	311	445	125.7	133.4		

Please consult the quality indicators for this registry

USA, Michigan, Detroit, Black (1993-2012)

	Age group	Males	Females
Person-years	0	159 160	154 296
	1-4	675 137	657 109
	5-9	914 668	886 555
	10-14	918 319	895 628
	15-19	845 802	837 300
Total	0-14	2 667 284	2 593 588
	0-19	3 513 086	3 430 888
Average annual population	0-14	133 364	129 679
	0-19	175 654	171 544

Please consult the quality indicators for this registry