

## USA, Massachusetts, Black (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>	1	17	16	15	10	49	59	24.3	100.0	19.5	100.0	7.3	34.9	26.7	23.5	15.0	26.6	23.9	395	469	100.0	0.0	
a. Lymphoid	1	16	12	10	6	39	45	19.3	79.6	14.9	76.3	7.3	32.8	20.0	15.6	9.0	21.5	18.7	314	359	100.0	0.0	
b. Acute myeloid	0	1	3	4	3	8	11	4.0	16.3	3.6	18.6	-	2.1	5.0	6.3	4.5	4.0	4.1	64	87	100.0	0.0	
c. CMD	0	0	1	1	1	2	3	1.0	4.1	1.0	5.1	-	-	1.7	1.6	1.5	1.0	1.1	16	24	100.0	0.0	
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>II LYMPHOMA &amp; RELATED</b>	0	4	7	22	26	33	59	16.3	100.0	19.5	100.0	-	8.2	11.7	34.4	38.9	16.2	21.3	262	457	100.0	0.0	
a. Hodgkin	0	1	2	10	8	13	21	6.4	39.4	7.0	35.6	-	2.1	3.3	15.6	12.0	6.2	7.5	103	163	100.0	0.0	
b. Non-Hodgkin except BL	0	2	5	9	18	16	34	7.9	48.5	11.3	57.6	-	4.1	8.3	14.1	26.9	8.0	12.3	128	263	100.0	0.0	
c. Burkitt (BL)	0	1	0	2	0	3	3	1.5	9.1	1.0	5.1	-	2.1	-	3.1	-	1.5	1.2	24	24	100.0	0.0	
d. Lymphoreticular	0	0	0	1	0	1	1	0.5	3.0	0.3	1.7	-	-	-	1.6	-	0.5	0.4	8	8	100.0	0.0	
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>III CNS NEOPLASMS †</b>	5	9	12	15	18	41	59	20.3	100.0	19.5	100.0	36.3	18.5	20.0	23.5	26.9	21.9	23.1	329	464	81.4	1.7	
a. Ependymoma	0	0	1	1	1	2	3	1.0	4.9	1.0	5.1	-	-	1.7	1.6	1.5	1.0	1.1	16	24	100.0	0.0	
b. Astrocytoma	2	5	4	6	8	17	25	8.4	41.5	8.3	42.4	14.5	10.3	6.7	9.4	12.0	9.2	9.8	136	196	84.0	0.0	
c. CNS embryonal	2	2	1	4	1	9	10	4.5	22.0	3.3	16.9	14.5	4.1	1.7	6.3	1.5	4.8	4.1	72	79	100.0	0.0	
d. Other gliomas	1	0	2	0	0	3	3	1.5	7.3	1.0	5.1	7.3	-	3.3	-	-	1.7	1.3	25	25	33.3	0.0	
e. Other specified	0	2	3	4	8	9	17	4.5	22.0	5.6	28.8	-	4.1	5.0	6.3	12.0	4.7	6.3	72	132	76.5	0.0	
f. Unspecified CNS	0	0	1	0	0	1	1	0.5	2.4	0.3	1.7	-	-	1.7	-	-	0.5	0.4	8	8	0.0	100.0	
<b>IV NEUROBLASTOMA</b>	3	8	2	1	0	14	14	6.9	100.0	4.6	100.0	21.8	16.4	3.3	1.6	-	8.3	6.5	112	112	100.0	0.0	
a. (Ganglio)neuroblastoma	3	8	2	1	0	14	14	6.9	100.0	4.6	100.0	21.8	16.4	3.3	1.6	-	8.3	6.5	112	112	100.0	0.0	
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>V RETINOBLASTOMA</b>	1	3	0	0	0	4	4	2.0	100.0	1.3	100.0	7.3	6.2	-	-	-	2.5	1.9	32	32	75.0	0.0	
<b>VI RENAL TUMOURS</b>	1	10	3	2	1	16	17	7.9	100.0	5.6	100.0	7.3	20.5	5.0	3.1	1.5	9.3	7.6	129	136	100.0	0.0	
a. Nephroblastoma	1	10	2	2	0	15	15	7.4	93.8	5.0	88.2	7.3	20.5	3.3	3.1	-	8.8	6.8	120	120	100.0	0.0	
b. Renal carcinoma	0	0	1	0	1	1	2	0.5	6.3	0.7	11.8	-	-	1.7	-	1.5	0.5	0.8	8	16	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>VII HEPATIC TUMOURS</b>	0	3	1	1	1	5	6	2.5	100.0	2.0	100.0	-	6.2	1.7	1.6	1.5	2.8	2.5	40	48	100.0	0.0	
a. Hepatoblastoma	0	3	1	1	1	5	6	2.5	100.0	2.0	100.0	-	6.2	1.7	1.6	1.5	2.8	2.5	40	48	100.0	0.0	
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>VIII BONE TUMOURS</b>	0	0	3	6	6	9	15	4.5	100.0	5.0	100.0	-	-	5.0	9.4	9.0	4.3	5.4	72	117	100.0	0.0	
a. Osteosarcoma	0	0	3	6	4	9	13	4.5	100.0	4.3	86.7	-	-	5.0	9.4	6.0	4.3	4.7	72	102	100.0	0.0	
b. Chondrosarcoma	0	0	0	0	1	0	1	-	-	0.3	6.7	-	-	-	-	1.5	-	0.3	-	7	7	100.0	0.0
c. Ewing & related	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	0	0	0	0	1	0	1	-	-	0.3	6.7	-	-	-	-	1.5	-	0.3	-	7	7	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>IX SOFT TISSUE SARCOMA</b>	4	4	7	5	18	20	38	9.9	100.0	12.6	100.0	29.1	8.2	11.7	7.8	26.9	11.0	14.6	161	296	100.0	0.0	
a. Rhabdomyosarcoma	1	4	3	0	3	8	11	4.0	40.0	3.6	28.9	7.3	8.2	5.0	-	4.5	4.7	4.7	65	87	100.0	0.0	
b. Fibrosarcoma	1	0	1	1	3	3	6	1.5	15.0	2.0	15.8	7.3	-	1.7	1.6	4.5	1.6	2.3	24	47	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	-	0.3	2.6	-	-	-	-	1.5	-	0.3	-	7	7	100.0	0.0
d. Other specified	2	0	3	2	9	7	16	3.5	35.0	5.3	42.1	14.5	-	5.0	3.1	13.5	3.8	5.9	57	124	100.0	0.0	
e. Unspecified	0	0	0	2	2	2	4	1.0	10.0	1.3	10.5	-	-	-	3.1	3.0	0.9	1.4	16	31	100.0	0.0	
<b>X GERM CELL TUMOURS</b>	1	3	0	1	3	5	8	2.5	100.0	2.6	100.0	7.3	6.2	-	1.6	4.5	2.9	3.3	40	62	100.0	0.0	
a. CNS germ cell ‡	0	2	0	1	0	3	3	1.5	60.0	1.0	37.5	-	4.1	-	1.6	-	1.7	1.3	24	24	100.0	0.0	
b. Other extragonadal	0	1	0	0	0	1	1	0.5	20.0	0.3	12.5	-	2.1	-	-	-	0.6	0.5	8	8	100.0	0.0	
c. Gonadal germ cell	1	0	0	0	2	1	3	0.5	20.0	1.0	37.5	7.3	-	-	-	3.0	0.6	1.2	8	23	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	-	0.3	12.5	-	-	-	-	1.5	-	0.3	-	7	7	100.0	0.0
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>XI CARCINOMA &amp; MELANOMA</b>	2	0	0	3	16	5	21	2.5	100.0	7.0	100.0	14.5	-	-	4.7	23.9	2.6	7.4	39	159	100.0	0.0	
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Thyroid	1	0	0	1	5	2	7	1.0	40.0	2.3	33.3	7.3	-	-	1.6	7.5	1.1	2.5	16	53	100.0	0.0	
c. Nasopharyngeal	0	0	0	0	3	0	3	-	-	1.0	14.3	-	-	-	-	4.5	-	1.0	-	22	22	100.0	0.0
d. Melanoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Other & unspecified	1	0	0	2	8	3	11	1.5	60.0	3.6	52.4	7.3	-	-	3.1	12.0	1.5	3.9	24	83	100.0	0.0	
<b>XII OTHER &amp; UNSPECIFIED</b>	1	0	0	0	1	1	2	0.5	100.0	0.7	100.0	7.3	-	-	-	1.5	0.6	0.8	8	15	100.0	0.0	
a. Other specified	1	0	0	0	1	1	2	0.5	100.0	0.7	100.0	7.3	-	-	-	1.5	0.6	0.8	8	15	100.0	0.0	
b. Other unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>TOTAL</b>	19	61	51	71	100	202	302	100.0	100.0	100.0	100.0	138.1	125.1	85.0	111.0	149.5	109.2	118.3	1620	2367	96.0	0.3	

† includes 16 non-malignant ‡ includes 1 non-malignant

Please consult the quality indicators for this registry

## USA, Massachusetts, Black (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>	0	9	11	9	6	29	35	30.5	27.6	1.4	1.5	1	8	5	6	4	20	24	22.5	20.1				
a. Lymphoid	0	8	10	6	5	24	29	25.6	23.1	1.6	1.8	1	8	2	4	1	15	16	17.3	14.1				
b. Acute myeloid	0	1	1	2	1	4	5	4.0	3.8	1.0	0.8	0	0	2	2	2	4	6	4.1	4.5				
c. CMD	0	0	0	1	0	1	1	0.9	0.7	1.0	0.5	0	0	1	0	1	1	2	1.1	1.5				
d. MDS & other	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	-	-				
<b>II LYMPHOMA &amp; RELATED</b>	0	2	6	16	15	24	39	23.0	27.7	2.7	2.0	0	2	1	6	11	9	20	9.2	14.7				
a. Hodgkin	0	1	2	6	4	9	13	8.7	9.3	2.3	1.6	0	0	0	4	4	4	8	3.7	5.6				
b. Non-Hodgkin except BL	0	1	4	7	11	12	23	11.7	16.3	3.0	2.1	0	1	1	2	7	4	11	4.2	8.1				
c. Burkitt (BL)	0	0	0	2	0	2	2	1.8	1.4	2.0	2.0	0	1	0	0	0	1	1	1.3	1.0				
d. Lymphoreticular	0	0	0	1	0	1	1	0.9	0.7	-	-	0	0	0	0	0	0	0	-	-				
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>III CNS NEOPLASMS †</b>	5	4	5	7	12	21	33	22.4	25.3	1.1	1.3	0	5	7	8	6	20	26	21.4	20.7				
a. Ependymoma	0	0	1	0	1	1	2	1.1	1.5	1.0	2.0	0	0	0	1	0	1	1	0.9	0.7				
b. Astrocytoma	2	3	1	3	4	9	13	9.8	10.2	1.1	1.1	0	2	3	3	4	8	12	8.6	9.4				
c. CNS embryonal	2	0	0	1	1	3	4	3.3	3.2	0.5	0.7	0	2	1	3	0	6	6	6.4	5.0				
d. Other gliomas	1	0	1	0	0	2	2	2.3	1.8	2.0	2.0	0	0	1	0	0	1	1	1.1	0.9				
e. Other specified	0	1	1	3	6	5	11	4.9	7.8	1.3	1.8	0	1	2	1	2	4	6	4.4	4.8				
f. Unspecified CNS	0	0	1	0	0	1	1	1.1	0.8	-	-	0	0	0	0	0	0	0	-	-				
<b>IV NEUROBLASTOMA</b>	1	5	2	1	0	9	9	10.3	8.0	1.8	1.8	2	3	0	0	0	5	5	6.3	4.9				
a. (Ganglio)neuroblastoma	1	5	2	1	0	9	9	10.3	8.0	1.8	1.8	2	3	0	0	0	5	5	6.3	4.9				
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>V RETINOBLASTOMA</b>	1	0	0	0	0	1	1	1.2	0.9	0.3	0.3	0	3	0	0	0	3	3	3.8	2.9				
<b>VI RENAL TUMOURS</b>	1	4	2	1	1	8	9	9.1	7.7	1.0	1.1	0	6	1	1	0	8	8	9.6	7.5				
a. Nephroblastoma	1	4	1	1	0	7	7	8.0	6.2	0.9	0.9	0	6	1	1	0	8	8	9.6	7.5				
b. Renal carcinoma	0	0	1	0	1	1	2	1.1	1.5	-	-	0	0	0	0	0	0	0	-	-				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>VII HEPATIC TUMOURS</b>	0	2	0	0	1	2	3	2.4	2.5	0.7	1.0	0	1	1	1	0	3	3	3.3	2.6				
a. Hepatoblastoma	0	2	0	0	1	2	3	2.4	2.5	0.7	1.0	0	1	1	1	0	3	3	3.3	2.6				
b. Hepatic 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	-	-				
<b>VIII BONE TUMOURS</b>	0	0	0	4	4	4	8	3.6	5.4	0.8	1.1	0	0	3	2	2	5	7	5.2	5.4				
a. Osteosarcoma	0	0	0	4	3	4	7	3.6	4.7	0.8	1.2	0	0	3	2	1	5	6	5.2	4.7				
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.7				
c. Ewing & related	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	0	0	0	0	1	0	1	-	0.7	-	-	0	0	0	0	0	0	0	-	-				
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>IX SOFT TISSUE SARCOMA</b>	4	2	4	3	11	13	24	14.1	18.2	1.9	1.7	0	2	3	2	7	7	14	7.7	10.8				
a. Rhabdomyosarcoma	1	2	2	0	2	5	7	5.7	5.8	1.7	1.8	0	2	1	0	1	3	4	3.6	3.5				
b. Fibrosarcoma	1	0	0	0	2	1	3	1.2	2.3	0.5	1.0	0	0	1	1	1	2	3	2.0	2.3				
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	0.7	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	2	0	2	1	4	5	9	5.4	6.8	2.5	1.3	0	0	1	1	5	2	7	2.0	5.0				
e. Unspecified	0	0	0	2	2	2	4	1.8	2.7	-	-	0	0	0	0	0	0	0	-	-				
<b>X GERM CELL TUMOURS</b>	1	1	0	1	2	3	5	3.3	3.9	1.5	1.7	0	2	0	0	1	2	3	2.5	2.6				
a. CNS germ cell ‡	0	1	0	1	0	2	2	2.1	1.6	2.0	2.0	0	1	0	0	0	1	1	1.3	1.0				
b. Other extragonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	1.3	1.0				
c. Gonadal germ cell	1	0	0	0	2	1	3	1.2	2.3	-	-	0	0	0	0	0	0	0	-	-				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.7				
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>XI CARCINOMA &amp; MELANOMA</b>	1	0	0	1	6	2	8	2.1	5.6	0.7	0.6	1	0	0	2	10	3	13	3.1	9.3				
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
b. Thyroid	0	0	0	0	0	0	0	-	-	0.0	0.0	1	0	0	1	5	2	7	2.2	5.1				
c. Nasopharyngeal	0	0	0	0	3	0	3	-	2.0	-	-	0	0	0	0	0	0	0	-	-				
d. Melanoma	0	0	0	0	0	0	0	-	-	-	-	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	1	0	0	1	3	2	5	2.1	3.6	2.0	0.8	0	0	0	1	5	1	6	0.9	4.2				
<b>XII OTHER &amp; UNSPECIFIED</b>	1	0	0	0	0	1	1	1.2	0.9	-	1.0	0	0	0	0	1	0	1	-	0.7				
a. Other specified	1	0	0	0	0	1	1	1.2	0.9	-	1.0	0	0	0	0	1	0	1	-	0.7				
b. Other unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>TOTAL</b>	15	29	30	43	58	117	175	123.2	133.7	1.4	1.4	4	32	21	28	42	85	127	94.6	102.2				

† includes 10 non-malignant in males and 6 non-malignant in females ‡ includes 1 non-malignant in females

Please consult the quality indicators for this registry

## USA, Massachusetts, Black (1998-2012)

	Age group	Males	Females
Person-years	0	70 331	67 286
	1-4	249 157	238 409
	5-9	306 741	293 279
	10-14	325 972	313 593
	15-19	341 165	327 642
Total	0-14	952 201	912 567
	0-19	1 293 366	1 240 209
Average annual population	0-14	63 480	60 838
	0-19	86 224	82 681

Please consult the quality indicators for this registry