

USA, Puerto Rico (1992-2012)

	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	41	283	183	175	170	682	852	31.2	100.0	26.5	100.0	37.0	62.2	30.5	27.9	26.7	40.1	37.1	578	712	95.2	2.0
a. Lymphoid	16	218	124	94	66	452	518	20.7	66.3	16.1	60.8	14.4	47.9	20.7	15.0	10.4	27.0	23.3	385	437	98.5	0.8
b. Acute myeloid	9	22	28	53	65	112	177	5.1	16.4	5.5	20.8	8.1	4.8	4.7	8.4	10.2	6.1	7.0	93	144	96.0	2.8
c. CMD	4	13	11	8	18	36	54	1.6	5.3	1.7	6.3	3.6	2.9	1.8	1.3	2.8	2.1	2.3	31	45	72.2	0.0
d. MDS & other	4	1	1	6	2	12	14	0.5	1.8	0.4	1.6	3.6	0.2	0.2	1.0	0.3	0.7	0.6	10	12	78.6	7.1
e. Unspecified	8	29	19	14	19	70	89	3.2	10.3	2.8	10.4	7.2	6.4	3.2	2.2	3.0	4.2	3.9	60	75	91.0	7.9
II LYMPHOMA & RELATED	6	40	81	127	252	254	506	11.6	100.0	15.7	100.0	5.4	8.8	13.5	20.2	39.6	13.4	19.3	209	407	98.4	0.4
a. Hodgkin	1	12	38	78	166	129	295	5.9	50.8	9.2	58.3	0.9	2.6	6.3	12.4	26.1	6.5	10.9	105	236	99.3	0.0
b. Non-Hodgkin except BL	2	12	29	33	69	76	145	3.5	29.9	4.5	28.7	1.8	2.6	4.8	5.3	10.8	4.0	5.6	63	117	97.9	0.0
c. Burkitt (BL)	0	12	9	11	6	32	38	1.5	12.6	1.2	7.5	-	2.6	1.5	1.8	0.9	1.8	1.6	27	32	100.0	0.0
d. Lymphoreticular	3	2	1	1	1	7	8	0.3	2.8	0.2	1.6	2.7	0.4	0.2	0.2	0.2	0.4	0.4	6	7	87.5	0.0
e. Unspecified	0	2	4	4	10	10	20	0.5	3.9	0.6	4.0	-	0.4	0.7	0.6	1.6	0.5	0.8	8	16	90.0	10.0
III CNS NEOPLASMS †	21	150	159	136	133	466	599	21.3	100.0	18.6	100.0	19.0	33.0	26.5	21.6	20.9	26.5	25.3	392	496	93.8	2.0
a. Ependymoma	3	23	17	8	10	51	61	2.3	10.9	1.9	10.2	2.7	5.1	2.8	1.3	1.6	3.1	2.7	44	51	98.4	0.0
b. Astrocytoma	6	67	72	57	51	202	253	9.2	43.3	7.9	42.2	5.4	14.7	12.0	9.1	8.0	11.5	10.7	170	210	97.6	0.8
c. CNS embryonal	8	40	39	32	19	119	138	5.4	25.5	4.3	23.0	7.2	8.8	6.5	5.1	3.0	6.9	6.0	100	115	100.0	0.0
d. Other gliomas	0	2	12	10	8	24	32	1.1	5.2	1.0	5.3	-	0.4	2.0	1.6	1.3	1.2	1.2	20	26	81.3	3.1
e. Other specified	0	10	9	16	25	35	60	1.6	7.5	1.9	10.0	-	2.2	1.5	2.5	3.9	1.9	2.4	29	49	95.0	0.0
f. Unspecified CNS	4	8	10	13	20	35	55	1.6	7.5	1.7	9.2	3.6	1.8	1.7	2.1	3.1	2.0	2.2	29	45	61.8	16.4
IV NEUROBLASTOMA	37	68	25	4	3	134	137	6.1	100.0	4.3	100.0	33.4	14.9	4.2	0.6	0.5	8.7	6.9	117	119	97.1	0.7
a. (Ganglio)neuroblastoma	37	68	24	3	2	132	134	6.0	98.5	4.2	97.8	33.4	14.9	4.0	0.5	0.3	8.6	6.7	115	117	97.0	0.7
b. Peripheral nervous	0	0	1	1	1	2	3	0.1	1.5	0.1	2.2	-	-	0.2	0.2	0.2	0.1	0.1	2	2	100.0	0.0
V RETINOBLASTOMA	12	29	2	1	0	44	44	2.0	100.0	1.4	100.0	10.8	6.4	0.3	0.2	-	3.0	2.3	39	39	79.5	0.0
VI RENAL TUMOURS	15	74	23	9	13	121	134	5.5	100.0	4.2	100.0	13.5	16.3	3.8	1.4	2.0	7.7	6.5	105	115	95.5	3.0
a. Nephroblastoma	13	70	20	8	1	111	112	5.1	91.7	3.5	83.6	11.7	15.4	3.3	1.3	0.2	7.1	5.6	96	97	98.2	0.9
b. Renal carcinoma	0	1	2	1	11	4	15	0.2	3.3	0.5	11.2	-	0.2	0.3	0.2	1.7	0.2	0.6	3	12	100.0	0.0
c. Unspecified	2	3	1	0	1	6	7	0.3	5.0	0.2	5.2	1.8	0.7	0.2	-	0.2	0.4	0.3	5	6	42.9	42.9
VII HEPATIC TUMOURS	13	4	4	6	2	27	29	1.2	100.0	0.9	100.0	11.7	0.9	0.7	1.0	0.3	1.7	1.4	23	25	82.8	13.8
a. Hepatoblastoma	11	3	0	0	0	14	14	0.6	51.9	0.4	48.3	9.9	0.7	-	-	-	1.0	0.7	12	12	92.9	0.0
b. Hepatic carcinoma	1	1	3	6	2	11	13	0.5	40.7	0.4	44.8	0.9	0.2	0.5	1.0	0.3	0.6	0.5	9	11	84.6	15.4
c. Unspecified	1	0	1	0	0	2	2	0.1	7.4	0.1	6.9	0.9	-	0.2	-	-	0.1	0.1	2	2	0.0	100.0
VIII BONE TUMOURS	2	4	30	67	72	103	175	4.7	100.0	5.4	100.0	1.8	0.9	5.0	10.7	11.3	5.1	6.5	84	140	96.0	2.3
a. Osteosarcoma	0	1	17	51	41	69	110	3.2	67.0	3.4	62.9	-	0.2	2.8	8.1	6.4	3.3	4.0	56	88	96.4	0.9
b. Chondrosarcoma	0	0	0	1	7	1	8	0.0	1.0	0.2	4.6	-	-	-	0.2	1.1	0.0	0.3	1	6	100.0	0.0
c. Ewing & related	0	1	13	11	13	25	38	1.1	24.3	1.2	21.7	-	0.2	2.2	1.8	2.0	1.3	1.4	20	31	100.0	0.0
d. Other specified	1	1	0	2	4	4	8	0.2	3.9	0.2	4.6	0.9	0.2	-	0.3	0.6	0.2	0.3	3	7	100.0	0.0
e. Unspecified	1	1	0	2	7	4	11	0.2	3.9	0.3	6.3	0.9	0.2	-	0.3	1.1	0.2	0.4	3	9	72.7	27.3
IX SOFT TISSUE SARCOMA	17	39	37	52	69	145	214	6.6	100.0	6.7	100.0	15.4	8.6	6.2	8.3	10.8	8.2	8.8	122	176	98.6	0.5
a. Rhabdomyosarcoma	8	29	16	17	17	70	87	3.2	48.3	2.7	40.7	7.2	6.4	2.7	2.7	2.7	4.2	3.8	60	73	98.9	1.1
b. Fibrosarcoma	5	1	3	4	3	13	16	0.6	9.0	0.5	7.5	4.5	0.2	0.5	0.6	0.5	0.8	0.7	11	13	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	-	0.0	0.5	-	-	-	-	0.2	-	0.0	-	1	100.0	0.0
d. Other specified	3	6	17	28	43	54	97	2.5	37.2	3.0	45.3	2.7	1.3	2.8	4.5	6.8	2.8	3.7	44	78	99.0	0.0
e. Unspecified	1	3	1	3	5	8	13	0.4	5.5	0.4	6.1	0.9	0.7	0.2	0.5	0.8	0.5	0.5	7	11	92.3	0.0
X GERM CELL TUMOURS	11	16	13	33	112	73	185	3.3	100.0	5.7	100.0	9.9	3.5	2.2	5.3	17.6	4.1	7.1	61	149	98.4	0.5
a. CNS germ cell ‡	0	2	5	7	5	14	19	0.6	19.2	0.6	10.3	-	0.4	0.8	1.1	0.8	0.7	0.7	12	15	100.0	0.0
b. Other extragonadal	7	9	1	4	15	21	36	1.0	28.8	1.1	19.5	6.3	2.0	0.2	0.6	2.4	1.3	1.6	18	30	97.2	0.0
c. Gonadal germ cell	3	4	7	20	80	34	114	1.6	46.6	3.5	61.6	2.7	0.9	1.2	3.2	12.6	1.8	4.2	28	91	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	8	0	8	-	-	0.2	4.3	-	-	-	-	1.3	-	0.3	-	6	100.0	0.0
e. Unspecified gonadal	1	1	0	2	4	4	8	0.2	5.5	0.2	4.3	0.9	0.2	-	0.3	0.6	0.2	0.3	3	7	75.0	12.5
XI CARCINOMA & MELANOMA	1	2	12	73	188	88	276	4.0	100.0	8.6	100.0	0.9	0.4	2.0	11.6	29.5	4.2	9.9	71	218	99.6	0.0
a. Adrenocortical	0	1	1	0	1	2	3	0.1	2.3	0.1	1.1	-	0.2	0.2	-	0.2	0.1	0.1	2	3	100.0	0.0
b. Thyroid	0	1	4	41	112	46	158	2.1	52.3	4.9	57.2	-	0.2	0.7	6.5	17.6	2.2	5.6	37	125	100.0	0.0
c. Nasopharyngeal	0	0	0	6	9	6	15	0.3	6.8	0.5	5.4	-	-	-	1.0	1.4	0.3	0.5	5	12	100.0	0.0
d. Melanoma	1	0	4	4	11	9	20	0.4	10.2	0.6	7.2	0.9	-	0.7	0.6	1.7	0.5	0.8	7	16	95.0	0.0
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f. Other & unspecified	0	0	3	22	55	25	80	1.1	28.4	2.5	29.0	-	-	0.5	3.5	8.6	1.2	2.9	20	63	100.0	0.0
XII OTHER & UNSPECIFIED	10	12	9	20	16	51	67	2.3	100.0	2.1	100.0	9.0	2.6	1.5	3.2	2.5	2.9	2.8	43	55	67.2	23.9
a. Other specified	0	1	0	0	2	1	3	0.0	2.0	0.1	4.5	-	0.2	-	-	0.3	0.1	0.1	1	2	100.0	0.0
b. Other unspecified	10	11	9	20	14	50	64	2.3	98.0	2.0	95.5	9.0	2.4	1.5	3.2	2.2	2.8	2.7	42	53	65.6	25.0
TOTAL	186	721	578	703	1030	2188	3218	100.0	100.0	100.0	100.0	168.0	158.5	96.4	111.9	161.8	125.7	133.8	1843	2652	95.5	1.9

† includes 77 non-malignant ‡ includes 1 non-malignant

Please consult the quality indicators for this registry

USA, Puerto Rico (1992-2012)

	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	24	151	103	103	99	381	480	43.6	40.7	1.3	1.3	17	132	80	72	71	301	372	36.5	33.4		
a. Lymphoid	9	116	66	61	44	252	296	29.2	25.7	1.3	1.3	7	102	58	33	22	200	222	24.8	20.8		
b. Acute myeloid	5	12	19	28	32	64	96	6.8	7.5	1.3	1.2	4	10	9	25	33	48	81	5.3	6.5		
c. CMD	4	8	7	2	10	21	31	2.5	2.7	1.4	1.3	0	5	4	6	8	15	23	1.7	1.9		
d. MDS & other	2	1	0	3	0	6	6	0.7	0.5	1.0	0.8	2	0	1	3	2	6	8	0.7	0.7		
e. Unspecified	4	14	11	9	13	38	51	4.4	4.3	1.2	1.3	4	15	8	5	6	32	38	4.0	3.5		
II LYMPHOMA & RELATED	2	31	59	84	135	176	311	18.2	23.5	2.3	1.6	4	9	22	43	117	78	195	8.3	14.9		
a. Hodgkin	1	9	29	51	83	90	173	9.0	12.7	2.3	1.4	0	3	9	27	83	39	122	4.0	9.0		
b. Non-Hodgkin except BL	1	9	18	22	40	50	90	5.2	6.8	1.9	1.6	1	3	11	11	29	26	55	2.8	4.3		
c. Burkitt (BL)	0	10	8	8	6	26	32	2.9	2.7	4.3	5.3	0	2	1	3	0	6	6	0.7	0.5		
d. Lymphoreticular	0	1	0	1	0	2	2	0.2	0.2	0.4	0.3	3	1	1	0	1	5	6	0.7	0.6		
e. Unspecified	0	2	4	2	6	8	14	0.9	1.1	4.0	2.3	0	0	0	2	4	2	6	0.2	0.4		
III CNS NEOPLASMS †	13	93	92	73	73	271	344	30.5	28.7	1.4	1.3	8	57	67	63	60	195	255	22.4	21.7		
a. Ependymoma	1	14	11	4	6	30	36	3.5	3.1	1.4	1.4	2	9	6	4	4	21	25	2.6	2.3		
b. Astrocytoma	2	39	38	26	29	105	134	11.8	11.2	1.1	1.1	4	28	34	31	22	97	119	11.2	10.2		
c. CNS embryonal	7	24	25	22	9	78	87	8.8	7.4	1.9	1.7	1	16	14	10	10	41	51	4.9	4.5		
d. Other gliomas	0	1	6	5	5	12	17	1.2	1.3	1.0	1.1	0	1	6	5	3	12	15	1.3	1.2		
e. Other specified	0	8	7	9	15	24	39	2.6	3.1	2.2	1.9	0	2	2	7	10	11	21	1.2	1.6		
f. Unspecified CNS	3	7	5	7	9	22	31	2.5	2.6	1.7	1.3	1	1	5	6	11	13	24	1.4	1.9		
IV NEUROBLASTOMA	18	32	13	2	3	65	68	8.2	6.6	0.9	1.0	19	36	12	2	0	69	69	9.2	7.1		
a. (Ganglioneuroblastoma	18	32	13	1	2	64	66	8.1	6.5	0.9	1.0	19	36	11	2	0	68	68	9.1	7.1		
b. Peripheral nervous	0	0	0	1	1	1	2	0.1	0.1	1.0	2.0	0	0	1	0	0	1	1	0.1	0.1		
V RETINOBLASTOMA	7	15	0	1	0	23	23	3.0	2.4	1.1	1.1	5	14	2	0	0	21	21	2.9	2.2		
VI RENAL TUMOURS	9	38	6	6	5	59	64	7.5	6.1	1.0	0.9	6	36	17	3	8	62	70	8.0	6.8		
a. Nephroblastoma	7	36	5	6	0	54	54	6.8	5.3	0.9	0.9	6	34	15	2	1	57	58	7.4	5.8		
b. Renal carcinoma	0	0	0	0	4	0	4	-	0.3	0.0	0.4	0	1	2	1	7	4	11	0.5	0.9		
c. Unspecified	2	2	1	0	1	5	6	0.6	0.6	5.0	6.0	0	1	0	0	0	1	1	0.1	0.1		
VII HEPATIC TUMOURS	7	4	3	5	2	19	21	2.2	1.9	2.4	2.6	6	0	1	1	0	8	8	1.0	0.8		
a. Hepatoblastoma	5	3	0	0	0	8	8	1.1	0.8	1.3	1.3	6	0	0	0	0	6	6	0.8	0.7		
b. Hepatic carcinoma	1	1	2	5	2	9	11	0.9	0.9	4.5	5.5	0	0	1	1	0	2	2	0.2	0.2		
c. Unspecified	1	0	1	0	0	2	2	0.2	0.2	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	2	0	15	31	49	48	97	4.7	7.0	0.9	1.2	0	4	15	36	23	55	78	5.6	6.0		
a. Osteosarcoma	0	0	9	24	30	33	63	3.1	4.5	0.9	1.3	0	1	8	27	11	36	47	3.6	3.6		
b. Chondrosarcoma	0	0	0	0	4	0	4	-	0.3	0.0	1.0	0	0	0	1	3	1	4	0.1	0.3		
c. Ewing & related	0	0	6	6	8	12	20	1.2	1.5	0.9	1.1	0	1	7	5	5	13	18	1.4	1.4		
d. Other specified	1	0	0	0	2	1	3	0.1	0.2	0.3	0.6	0	1	0	2	2	3	5	0.3	0.4		
e. Unspecified	1	0	0	1	5	2	7	0.2	0.5	1.0	1.8	0	1	0	1	2	2	4	0.2	0.3		
IX SOFT TISSUE SARCOMA	7	21	20	29	38	77	115	8.5	9.2	1.1	1.2	10	18	17	23	31	68	99	8.0	8.4		
a. Rhabdomyosarcoma	5	15	11	11	12	42	54	4.8	4.6	1.5	1.6	3	14	5	6	5	28	33	3.5	3.1		
b. Fibrosarcoma	2	1	0	3	1	6	7	0.7	0.6	0.9	0.8	3	0	3	1	2	7	9	0.8	0.8		
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	3	9	12	21	24	45	2.4	3.3	0.8	0.9	3	3	8	16	22	30	52	3.2	4.1		
e. Unspecified	0	2	0	3	3	5	8	0.5	0.6	1.7	1.6	1	1	1	0	2	3	5	0.4	0.4		
X GERM CELL TUMOURS	5	9	4	14	68	32	100	3.6	7.5	0.8	1.2	6	7	9	19	44	41	85	4.6	6.7		
a. CNS germ cell ‡	0	2	4	7	4	13	17	1.3	1.3	13.0	8.5	0	0	1	0	1	1	2	0.1	0.2		
b. Other extragonadal	2	3	0	2	10	7	17	0.9	1.4	0.5	0.9	5	6	1	2	5	14	19	1.8	1.8		
c. Gonadal germ cell	2	4	0	4	53	10	63	1.2	4.6	0.4	1.2	1	0	7	16	27	24	51	2.4	3.8		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	8	0	8	-	0.6		
e. Unspecified gonadal	1	0	0	1	1	2	3	0.2	0.2	1.0	0.6	0	1	0	1	3	2	5	0.2	0.4		
XI CARCINOMA & MELANOMA	0	1	7	32	46	40	86	3.8	6.1	0.8	0.5	1	1	5	41	142	48	190	4.7	13.9		
a. Adrenocortical	0	0	1	0	1	1	2	0.1	0.2	1.0	2.0	0	1	0	0	0	1	1	0.1	0.1		
b. Thyroid	0	1	2	11	12	14	26	1.3	1.9	0.4	0.2	0	0	2	30	100	32	132	3.1	9.6		
c. Nasopharyngeal	0	0	0	6	7	6	13	0.5	0.9	-	6.5	0	0	0	0	2	0	2	-	0.1		
d. Melanoma	0	0	3	3	6	6	12	0.6	0.9	2.0	1.5	1	0	1	1	5	3	8	0.3	0.6		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	1	12	20	13	33	1.2	2.3	1.1	0.7	0	0	2	10	35	12	47	1.2	3.4		
XII OTHER & UNSPECIFIED	2	8	6	8	7	24	31	2.7	2.6	0.9	0.9	8	4	3	12	9	27	36	3.1	3.1		
a. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	2	1	3	0.1	0.3		
b. Other unspecified	2	8	6	8	7	24	31	2.7	2.6	0.9	0.9	8	3	3	12	7	26	33	3.0	2.8		
TOTAL	96	403	328	388	525	1215	1740	136.4	142.2	1.2	1.2	90	318	250	315	505	973	1478	114.4	125.0		

† includes 47 non-malignant in males and 30 non-malignant in females ‡ includes 1 non-malignant in males

Please consult the quality indicators for this registry

USA, Puerto Rico (1992-2012)

	Age group	Males	Females
Person-years	0	564 894	542 416
	1-4	2 327 983	2 221 724
	5-9	3 067 789	2 925 929
	10-14	3 205 660	3 076 451
	15-19	3 237 985	3 127 188
Total	0-14	9 166 326	8 766 520
	0-19	12 404 311	11 893 708
Average annual population	0-14	436 492	417 453
	0-19	590 681	566 367

Please consult the quality indicators for this registry