

ECUADOR, Guayaquil (2008-2012)

	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	9	92	71	50	53	222	275	39.2	100.0	36.3	100.0	45.9	100.5	63.4	43.2	49.1	68.1	63.9	987	1233	99.6	0.0
a. Lymphoid	6	80	61	41	27	188	215	33.2	84.7	28.4	78.2	30.6	87.4	54.4	35.4	25.0	57.8	50.4	836	961	100.0	0.0
b. Acute myeloid	3	7	7	7	16	24	40	4.2	10.8	5.3	14.5	15.3	7.6	6.2	6.0	14.8	7.3	9.0	106	181	100.0	0.0
c. CMD	0	2	0	1	7	3	10	0.5	1.4	1.3	3.6	-	2.2	-	0.9	6.5	0.9	2.2	13	46	100.0	0.0
d. MDS & other	0	0	0	0	1	0	1	-	-	0.1	0.4	-	-	-	-	0.9	-	0.2	-	5	100.0	0.0
e. Unspecified	0	3	3	1	2	7	9	1.2	3.2	1.2	3.3	-	3.3	2.7	0.9	1.9	2.2	2.1	31	40	88.9	0.0
II LYMPHOMA & RELATED	4	23	30	26	28	83	111	14.7	100.0	14.6	100.0	20.4	25.1	26.8	22.4	26.0	24.6	24.9	368	497	100.0	0.0
a. Hodgkin	0	5	14	9	15	28	43	4.9	33.7	5.7	38.7	-	5.5	12.5	7.8	13.9	8.0	9.3	124	193	100.0	0.0
b. Non-Hodgkin except BL	0	7	12	14	12	33	45	5.8	39.8	5.9	40.5	-	7.6	10.7	12.1	11.1	9.4	9.8	145	201	100.0	0.0
c. Burkitt (BL)	0	3	1	1	1	5	6	0.9	6.0	0.8	5.4	-	3.3	0.9	0.9	0.9	1.6	1.4	22	27	100.0	0.0
d. Lymphoreticular	4	7	2	2	0	15	15	2.7	18.1	2.0	13.5	20.4	7.6	1.8	1.7	-	4.9	3.8	67	67	100.0	0.0
e. Unspecified	0	1	1	0	0	2	2	0.4	2.4	0.3	1.8	-	1.1	0.9	-	-	0.6	0.5	9	9	100.0	0.0
III CNS NEOPLASMS	6	34	34	26	24	100	124	17.7	100.0	16.4	100.0	30.6	37.1	30.3	22.4	22.2	30.2	28.4	444	555	71.0	6.5
a. Ependymoma	0	1	3	0	0	4	4	0.7	4.0	0.5	3.2	-	1.1	2.7	-	-	1.2	0.9	18	18	100.0	0.0
b. Astrocytoma	0	10	16	7	12	33	45	5.8	33.0	5.9	36.3	-	10.9	14.3	6.0	11.1	9.8	10.1	147	202	100.0	0.0
c. CNS embryonal	1	9	5	11	8	26	34	4.6	26.0	4.5	27.4	5.1	9.8	4.5	9.5	7.4	7.7	7.6	115	152	100.0	0.0
d. Other gliomas	0	4	0	0	0	4	4	0.7	4.0	0.5	3.2	-	4.4	-	-	-	1.4	1.1	18	18	100.0	0.0
e. Other specified	0	0	0	0	1	0	1	-	-	0.1	0.8	-	-	-	-	0.9	-	0.2	-	5	100.0	0.0
f. Unspecified CNS	5	10	10	8	3	33	36	5.8	33.0	4.7	29.0	25.5	10.9	8.9	6.9	2.8	10.1	8.5	147	161	0.0	22.2
IV NEUROBLASTOMA	0	4	0	2	0	6	6	1.1	100.0	0.8	100.0	-	4.4	-	1.7	-	1.9	1.5	27	27	100.0	0.0
a. (Ganglio)neuroblastoma	0	4	0	1	0	5	5	0.9	83.3	0.7	83.3	-	4.4	-	0.9	-	1.6	1.3	22	22	100.0	0.0
b. Peripheral nervous	0	0	0	1	0	1	1	0.2	16.7	0.1	16.7	-	-	-	0.9	-	0.3	0.2	4	4	100.0	0.0
V RETINOBLASTOMA	2	16	1	0	0	19	19	3.4	100.0	2.5	100.0	10.2	17.5	0.9	-	-	6.6	5.1	85	85	100.0	0.0
VI RENAL TUMOURS	5	13	9	1	2	28	30	4.9	100.0	4.0	100.0	25.5	14.2	8.0	0.9	1.9	9.1	7.5	125	135	83.3	0.0
a. Nephroblastoma	3	12	8	1	0	24	24	4.2	85.7	3.2	80.0	15.3	13.1	7.1	0.9	-	7.8	6.0	107	107	100.0	0.0
b. Renal carcinoma	0	0	0	0	1	0	1	-	-	0.1	3.3	-	-	-	-	0.9	-	0.2	-	5	100.0	0.0
c. Unspecified	2	1	1	0	1	4	5	0.7	14.3	0.7	16.7	10.2	1.1	0.9	-	0.9	1.3	1.2	18	23	0.0	0.0
VII HEPATIC TUMOURS	2	4	1	1	1	8	9	1.4	100.0	1.2	100.0	10.2	4.4	0.9	0.9	0.9	2.6	2.2	36	40	66.7	0.0
a. Hepatoblastoma	2	2	0	1	0	5	5	0.9	62.5	0.7	55.6	10.2	2.2	-	0.9	-	1.6	1.3	22	22	100.0	0.0
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	-	0.1	11.1	-	-	-	0.9	-	-	0.2	-	5	100.0	0.0
c. Unspecified	0	2	1	0	0	3	3	0.5	37.5	0.4	33.3	-	2.2	0.9	-	-	1.0	0.8	13	13	0.0	0.0
VIII BONE TUMOURS	0	1	5	14	13	20	33	3.5	100.0	4.4	100.0	-	1.1	4.5	12.1	12.0	5.3	6.8	87	147	93.9	0.0
a. Osteosarcoma	0	0	5	11	8	16	24	2.8	80.0	3.2	72.7	-	-	4.5	9.5	7.4	4.2	4.9	70	107	100.0	0.0
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Ewing & related	0	1	0	2	1	3	4	0.5	15.0	0.5	12.1	-	1.1	-	1.7	0.9	0.8	0.9	13	18	100.0	0.0
d. Other specified	0	0	0	0	1	0	1	-	-	0.1	3.0	-	-	-	-	0.9	-	0.2	-	5	100.0	0.0
e. Unspecified	0	0	0	1	3	1	4	0.2	5.0	0.5	12.1	-	-	-	0.9	2.8	0.3	0.8	4	18	50.0	0.0
IX SOFT TISSUE SARCOMA	4	5	5	11	12	25	37	4.4	100.0	4.9	100.0	20.4	5.5	4.5	9.5	11.1	7.3	8.2	110	166	100.0	0.0
a. Rhabdomyosarcoma	1	2	1	3	3	7	10	1.2	28.0	1.3	27.0	5.1	2.2	0.9	2.6	2.8	2.1	2.2	31	45	100.0	0.0
b. Fibrosarcoma	1	0	0	1	3	2	5	0.4	8.0	0.7	13.5	5.1	-	-	0.9	2.8	0.6	1.1	9	23	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	2	2	2	3	6	9	15	1.6	36.0	2.0	40.5	10.2	2.2	1.8	2.6	5.6	2.7	3.4	40	68	100.0	0.0
e. Unspecified	0	1	2	4	0	7	7	1.2	28.0	0.9	18.9	-	1.1	1.8	3.5	-	1.9	1.5	31	31	100.0	0.0
X GERM CELL TUMOURS	4	9	0	11	18	24	42	4.2	100.0	5.5	100.0	20.4	9.8	-	9.5	16.7	7.3	9.4	106	189	95.2	0.0
a. CNS germ cell	0	0	0	1	0	1	1	0.2	4.2	0.1	2.4	-	-	-	0.9	-	0.3	0.2	4	4	100.0	0.0
b. Other extragonadal	1	2	0	1	2	3	5	0.5	12.5	0.7	11.9	5.1	2.2	-	-	1.9	1.0	1.2	13	23	80.0	0.0
c. Gonadal germ cell	3	7	0	8	13	18	31	3.2	75.0	4.1	73.8	15.3	7.6	-	6.9	12.0	5.5	7.0	80	140	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	3	0	3	-	-	0.4	7.1	-	-	-	-	2.8	-	0.6	-	14	100.0	0.0
e. Unspecified gonadal	0	0	0	2	0	2	2	0.4	8.3	0.3	4.8	-	-	-	1.7	-	0.5	0.4	9	9	50.0	0.0
XI CARCINOMA & MELANOMA	1	1	2	7	33	11	44	1.9	100.0	5.8	100.0	5.1	1.1	1.8	6.0	30.6	3.0	9.2	48	201	100.0	0.0
a. Adrenocortical	0	0	0	0	1	0	1	-	-	0.1	2.3	-	-	-	-	0.9	-	0.2	-	5	100.0	0.0
b. Thyroid	0	0	1	5	12	6	18	1.1	54.5	2.4	40.9	-	-	0.9	4.3	11.1	1.5	3.7	26	82	100.0	0.0
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Melanoma	1	0	0	0	1	1	2	0.2	9.1	0.3	4.5	5.1	-	-	-	0.9	0.3	0.5	4	9	100.0	0.0
e. Skin carcinoma	0	0	0	0	5	0	5	-	-	0.7	11.4	-	-	-	-	4.6	-	1.0	-	23	100.0	0.0
f. Other & unspecified	0	1	1	2	14	4	18	0.7	36.4	2.4	40.9	-	1.1	0.9	1.7	13.0	1.1	3.8	18	82	100.0	0.0
XII OTHER & UNSPECIFIED	2	5	5	8	8	20	28	3.5	100.0	3.7	100.0	10.2	5.5	4.5	6.9	7.4	5.9	6.2	88	125	0.0	10.7
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Other unspecified	2	5	5	8	8	20	28	3.5	100.0	3.7	100.0	10.2	5.5	4.5	6.9	7.4	5.9	6.2	88	125	0.0	10.7
TOTAL	39	207	163	157	192	566	758	100.0	100.0	100.0	100.0	198.9	226.1	145.5	135.5	178.0	171.9	173.3	2512	3401	89.8	1.5

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	Males										M/F ratio		Females									
	Number of cases in age groups										0-14	0-19	Number of cases in age groups									
	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	4	54	36	32	34	126	160	77.2	74.4	1.3	1.4	5	38	35	18	19	96	115	59.1	53.5		
a. Lymphoid	3	49	31	25	18	108	126	66.6	59.3	1.4	1.4	3	31	30	16	9	80	89	48.9	41.6		
b. Acute myeloid	1	4	4	6	10	15	25	8.8	11.1	1.7	1.7	2	3	3	1	6	9	15	5.7	6.9		
c. CMD	0	1	0	1	4	2	6	1.2	2.6	2.0	1.5	0	1	0	0	3	1	4	0.7	1.8		
d. MDS & other	0	0	0	0	1	0	1	-	0.4	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	1	0	1	1	2	0.6	0.9	0.2	0.3	0	3	2	1	1	6	7	3.7	3.3		
II LYMPHOMA & RELATED	2	16	22	16	20	56	76	33.3	34.3	2.1	2.2	2	7	8	10	8	27	35	15.9	15.6		
a. Hodgkin	0	4	12	6	9	22	31	12.7	13.7	3.7	2.6	0	1	2	3	6	6	12	3.3	5.0		
b. Non-Hodgkin except BL	0	4	6	8	10	18	28	10.3	12.2	1.2	1.6	0	3	6	6	2	15	17	8.5	7.4		
c. Burkitt (BL)	0	2	1	1	1	4	5	2.5	2.3	4.0	5.0	0	1	0	0	0	1	1	0.7	0.5		
d. Lymphoreticular	2	5	2	1	0	10	10	6.5	5.1	2.0	2.0	2	2	0	1	0	5	5	3.3	2.6		
e. Unspecified	0	1	1	0	0	2	2	1.3	1.0	-	-	0	0	0	0	0	0	0	-	-		
III CNS NEOPLASMS	4	16	20	11	9	51	60	31.0	27.9	1.0	0.9	2	18	14	15	15	49	64	29.5	29.0		
a. Ependymoma	0	1	2	0	0	3	3	1.9	1.4	3.0	3.0	0	0	1	0	0	1	1	0.6	0.4		
b. Astrocytoma	0	5	8	1	3	14	17	8.6	8.0	0.7	0.6	0	5	8	6	9	19	28	11.1	12.3		
c. CNS embryonal	1	4	4	4	4	13	17	7.8	7.8	1.0	1.0	0	5	1	7	4	13	17	7.6	7.5		
d. Other gliomas	0	1	0	0	0	1	1	0.7	0.5	0.3	0.3	0	3	0	0	0	3	3	2.1	1.6		
e. Other specified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.4		
f. Unspecified CNS	3	5	6	6	2	20	22	12.0	10.2	1.5	1.6	2	5	4	2	1	13	14	8.2	6.7		
IV NEUROBLASTOMA	0	1	0	0	0	1	1	0.7	0.5	0.2	0.2	0	3	0	2	0	5	5	3.1	2.4		
a. (Ganglio)neuroblastoma	0	1	0	0	0	1	1	0.7	0.5	0.3	0.3	0	3	0	1	0	4	4	2.6	2.0		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.5	0.4		
V RETINOBLASTOMA	2	12	1	0	0	15	15	10.3	8.0	3.8	3.8	0	4	0	0	0	4	4	2.8	2.2		
VI RENAL TUMOURS	3	4	3	0	1	10	11	6.6	5.5	0.6	0.6	2	9	6	1	1	18	19	11.6	9.4		
a. Nephroblastoma	1	4	3	0	0	8	8	5.2	4.0	0.5	0.5	2	8	5	1	0	16	16	10.3	8.0		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.4		
c. Unspecified	2	0	0	0	1	2	3	1.4	1.5	1.0	1.5	0	1	1	0	0	2	2	1.3	1.0		
VII HEPATIC TUMOURS	0	1	0	1	0	2	2	1.2	0.9	0.3	0.3	2	3	1	0	1	6	7	4.1	3.6		
a. Hepatoblastoma	0	0	0	1	0	1	1	0.5	0.4	0.3	0.3	2	2	0	0	0	4	4	2.8	2.2		
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.4		
c. Unspecified	0	1	0	0	0	1	1	0.7	0.5	0.5	0.5	0	1	1	0	0	2	2	1.3	1.0		
VIII BONE TUMOURS	0	1	2	9	8	12	20	6.4	8.4	1.5	1.5	0	0	3	5	5	8	13	4.2	5.3		
a. Osteosarcoma	0	0	2	6	5	8	13	4.2	5.4	1.0	1.2	0	0	3	5	3	8	11	4.2	4.5		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	1	0	2	1	3	4	1.7	1.7	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	0	0	0	1	0	1	-	0.4	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	1	1	1	2	0.5	0.8	-	1.0	0	0	0	0	2	0	2	-	0.8		
IX SOFT TISSUE SARCOMA	2	1	2	4	6	9	15	5.2	6.6	0.6	0.7	2	4	3	7	6	16	22	9.4	9.7		
a. Rhabdomyosarcoma	1	0	1	1	1	3	4	1.8	1.8	0.8	0.7	0	2	0	2	2	4	6	2.4	2.7		
b. Fibrosarcoma	0	0	0	0	2	0	2	-	0.9	0.0	0.7	1	0	0	1	1	2	3	1.2	1.3		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	1	1	1	1	3	4	7	2.5	3.2	0.8	0.9	1	1	1	2	3	5	8	3.0	3.5		
e. Unspecified	0	0	0	2	0	2	2	1.0	0.8	0.4	0.4	0	1	2	2	0	5	5	2.8	2.2		
X GERM CELL TUMOURS	3	8	0	1	11	12	23	8.1	11.0	1.0	1.2	1	1	0	10	7	12	19	6.4	7.8		
a. CNS germ cell	0	0	0	1	0	1	1	0.5	0.4	-	-	0	0	0	0	0	0	0	-	-		
b. Other extragonadal	1	1	0	0	1	2	3	1.4	1.5	2.0	1.5	0	1	0	0	1	1	2	0.7	0.9		
c. Gonadal germ cell	2	7	0	0	10	9	19	6.3	9.1	1.0	1.6	1	0	0	8	3	9	12	4.7	4.9		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	3	0	3	-	1.2		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	0	2	2	1.0	0.8		
XI CARCINOMA & MELANOMA	1	1	1	1	13	4	17	2.5	7.5	0.6	0.6	0	0	1	6	20	7	27	3.6	10.9		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.4		
b. Thyroid	0	0	0	1	1	1	2	0.5	0.8	0.2	0.1	0	0	1	4	11	5	16	2.6	6.5		
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	1	0	0	0	1	1	2	0.7	1.0	-	-	0	0	0	0	0	0	0	-	-		
e. Skin carcinoma	0	0	0	0	3	0	3	-	1.3	-	1.5	0	0	0	0	2	0	2	-	0.8		
f. Other & unspecified	0	1	1	0	8	2	10	1.3	4.4	1.0	1.3	0	0	0	2	6	2	8	1.0	3.2		
XII OTHER & UNSPECIFIED	1	0	3	3	5	7	12	3.9	5.2	0.5	0.8	1	5	2	5	3	13	16	7.8	7.3		
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	1	0	3	3	5	7	12	3.9	5.2	0.5	0.8	1	5	2	5	3	13	16	7.8	7.3		
TOTAL	22	115	90	78	107	305	412	186.4	190.2	1.2	1.2	17	92	73	79	85	261	346	157.5	156.6		

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	Age group	Males	Females
Person-years	0	98 375	97 698
	1-4	458 405	457 051
	5-9	557 831	562 810
	10-14	578 584	579 753
	15-19	526 204	552 657
Total	0-14	1 693 195	1 697 312
	0-19	2 219 399	2 249 969
Average annual population	0-14	338 639	339 462
	0-19	443 880	449 994

Please consult the quality indicators for this registry