

ARGENTINA, Neuquén (2003-2013)

	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	6	38	30	26	16	100	116	37.3	100.0	35.2	100.0	52.4	81.5	50.6	41.9	27.8	57.8	51.1	841	980	82.8	5.2
a. Lymphoid	4	32	21	15	11	72	83	26.9	72.0	25.2	71.6	35.0	68.6	35.4	24.2	19.1	42.4	37.2	608	703	85.5	1.2
b. Acute myeloid	1	5	7	8	2	21	23	7.8	21.0	7.0	19.8	8.7	10.7	11.8	12.9	3.5	11.5	9.7	175	192	95.7	4.3
c. CMD	0	0	1	0	1	1	2	0.4	1.0	0.6	1.7	-	-	1.7	-	1.7	0.5	0.8	8	17	50.0	0.0
d. MDS & other	1	0	0	0	1	1	2	0.4	1.0	0.6	1.7	8.7	-	-	-	1.7	0.7	0.9	9	17	50.0	0.0
e. Unspecified	0	1	1	3	1	5	6	1.9	5.0	1.8	5.2	-	2.1	1.7	4.8	1.7	2.6	2.4	41	50	16.7	66.7
II LYMPHOMA & RELATED	0	8	16	12	12	36	48	13.4	100.0	14.5	100.0	-	17.2	27.0	19.3	20.8	19.6	19.9	300	405	91.7	0.0
a. Hodgkin	0	3	9	5	8	17	25	6.3	47.2	7.6	52.1	-	6.4	15.2	8.1	13.9	9.2	10.3	142	211	92.0	0.0
b. Non-Hodgkin except BL	0	4	3	5	3	12	15	4.5	33.3	4.5	31.3	-	8.6	5.1	8.1	5.2	6.6	6.3	100	126	86.7	0.0
c. Burkitt (BL)	0	0	3	1	1	4	5	1.5	11.1	1.5	10.4	-	-	5.1	1.6	1.7	2.1	2.0	33	42	100.0	0.0
d. Lymphoreticular	0	1	1	0	0	2	2	0.7	5.6	0.6	4.2	-	2.1	1.7	-	-	1.2	0.9	17	17	100.0	0.0
e. Unspecified	0	0	0	1	0	1	1	0.4	2.8	0.3	2.1	-	-	-	1.6	-	0.5	0.4	8	8	100.0	0.0
III CNS NEOPLASMS †	6	14	13	16	6	49	55	18.3	100.0	16.7	100.0	52.4	30.0	21.9	25.8	10.4	27.9	24.0	411	463	90.9	7.3
a. Ependymoma	2	3	0	1	1	6	7	2.2	12.2	2.1	12.7	17.5	6.4	-	1.6	1.7	3.8	3.3	51	60	100.0	0.0
b. Astrocytoma	0	4	1	3	0	8	8	3.0	16.3	2.4	14.5	-	8.6	1.7	4.8	-	4.6	3.6	67	67	100.0	0.0
c. CNS embryonal	2	4	5	4	1	15	16	5.6	30.6	4.8	29.1	17.5	8.6	8.4	6.4	1.7	8.6	7.0	126	135	100.0	0.0
d. Other gliomas	1	1	3	0	0	5	5	1.9	10.2	1.5	9.1	8.7	2.1	5.1	-	-	3.0	2.3	43	43	100.0	0.0
e. Other specified	0	0	1	4	0	5	5	1.9	10.2	1.5	9.1	-	-	1.7	6.4	-	2.4	1.9	41	41	100.0	0.0
f. Unspecified CNS	1	2	3	4	4	10	14	3.7	20.4	4.2	25.5	8.7	4.3	5.1	6.4	6.9	5.5	5.8	83	118	64.3	28.6
IV NEUROBLASTOMA	9	6	0	1	1	16	17	6.0	100.0	5.2	100.0	78.7	12.9	-	1.6	1.7	10.5	8.5	137	146	100.0	0.0
a. (Ganglio)neuroblastoma	9	6	0	1	1	16	17	6.0	100.0	5.2	100.0	78.7	12.9	-	1.6	1.7	10.5	8.5	137	146	100.0	0.0
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V RETINOBLASTOMA	2	6	0	0	0	8	8	3.0	100.0	2.4	100.0	17.5	12.9	-	-	-	5.3	4.1	69	69	87.5	0.0
VI RENAL TUMOURS	1	5	3	1	1	10	11	3.7	100.0	3.3	100.0	8.7	10.7	5.1	1.6	1.7	6.1	5.1	85	94	100.0	0.0
a. Nephroblastoma	1	5	3	0	0	9	9	3.4	90.0	2.7	81.8	8.7	10.7	5.1	-	-	5.6	4.4	77	77	100.0	0.0
b. Renal carcinoma	0	0	0	1	1	1	2	0.4	10.0	0.6	18.2	-	-	-	1.6	1.7	0.5	0.8	8	17	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	3	1	1	0	0	5	5	1.9	100.0	1.5	100.0	26.2	2.1	1.7	-	-	3.2	2.5	43	43	100.0	0.0
a. Hepatoblastoma	3	1	0	0	0	4	4	1.5	80.0	1.2	80.0	26.2	2.1	-	-	-	2.7	2.1	34	34	100.0	0.0
b. Hepatic carcinoma	0	0	1	0	0	1	1	0.4	20.0	0.3	20.0	-	-	1.7	-	-	0.5	0.4	8	8	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	1	2	10	7	13	20	4.9	100.0	6.1	100.0	-	2.1	3.4	16.1	12.2	6.4	7.7	106	167	80.0	10.0
a. Osteosarcoma	0	0	0	7	5	7	12	2.6	53.8	3.6	60.0	-	-	-	11.3	8.7	3.3	4.5	56	100	91.7	0.0
b. Chondrosarcoma	0	0	0	0	1	0	1	-	-	0.3	5.0	-	-	-	-	1.7	-	0.4	-	9	100.0	0.0
c. Ewing & related	0	1	2	1	0	4	4	1.5	30.8	1.2	20.0	-	2.1	3.4	1.6	-	2.2	1.7	34	34	100.0	0.0
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	0	0	0	2	1	2	3	0.7	15.4	0.9	15.0	-	-	-	3.2	1.7	0.9	1.1	16	25	0.0	66.7
IX SOFT TISSUE SARCOMA	0	3	4	2	2	9	11	3.4	100.0	3.3	100.0	-	6.4	6.7	3.2	3.5	5.1	4.7	76	93	90.9	0.0
a. Rhabdomyosarcoma	0	2	4	1	0	7	7	2.6	77.8	2.1	63.6	-	4.3	6.7	1.6	-	4.0	3.1	59	59	100.0	0.0
b. Fibrosarcoma	0	0	0	1	0	1	1	0.4	11.1	0.3	9.1	-	-	-	1.6	-	0.5	0.4	8	8	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	-	0.3	9.1	-	-	-	-	1.7	-	0.4	-	9	0.0	0.0
d. Other specified	0	1	0	0	1	1	2	0.4	11.1	0.6	18.2	-	2.1	-	-	1.7	0.7	0.9	9	17	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
X GERM CELL TUMOURS	1	4	1	9	12	15	27	5.6	100.0	8.2	100.0	8.7	8.6	1.7	14.5	20.8	8.1	11.0	124	228	100.0	0.0
a. CNS germ cell	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Other extragonadal	1	1	0	1	1	3	4	1.1	20.0	1.2	14.8	8.7	2.1	-	1.6	1.7	1.8	1.8	25	34	100.0	0.0
c. Gonadal germ cell	0	3	1	7	7	11	18	4.1	73.3	5.5	66.7	-	6.4	1.7	11.3	12.2	5.8	7.2	91	151	100.0	0.0
d. Gonadal carcinoma	0	0	0	1	4	1	5	0.4	6.7	1.5	18.5	-	-	-	1.6	6.9	0.5	1.9	8	43	100.0	0.0
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI CARCINOMA & MELANOMA	1	1	0	4	4	6	10	2.2	100.0	3.0	100.0	8.7	2.1	-	6.4	6.9	3.2	4.0	49	84	90.0	0.0
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Thyroid	0	0	0	0	1	0	1	-	-	0.3	10.0	-	-	-	-	1.7	-	0.4	-	9	100.0	0.0
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Melanoma	1	1	0	2	2	4	6	1.5	66.7	1.8	60.0	8.7	2.1	-	3.2	3.5	2.3	2.5	33	51	83.3	0.0
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f. Other & unspecified	0	0	0	2	1	2	3	0.7	33.3	0.9	30.0	-	-	-	3.2	1.7	0.9	1.1	16	25	100.0	0.0
XII OTHER & UNSPECIFIED	0	0	1	0	1	1	2	0.4	100.0	0.6	100.0	-	-	1.7	-	1.7	0.5	0.8	8	17	50.0	50.0
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Other unspecified	0	0	1	0	1	1	2	0.4	100.0	0.6	100.0	-	-	1.7	-	1.7	0.5	0.8	8	17	50.0	50.0
TOTAL	29	87	71	81	62	268	330	100.0	100.0	100.0	100.0	253.4	186.6	119.8	130.4	107.6	153.8	143.4	2250	2788	88.8	3.9

† includes 10 non-malignant

Please consult the quality indicators for this registry

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	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	5	20	12	13	8	50	58	57.5	50.7	1.0	1.0	1	18	18	13	8	50	58	58.1	51.3		
a. Lymphoid	4	19	11	9	5	43	48	50.2	42.7	1.5	1.4	0	13	10	6	6	29	35	34.4	31.4		
b. Acute myeloid	0	1	0	3	0	4	4	4.0	3.1	0.2	0.2	1	4	7	5	2	17	19	19.3	16.5		
c. CMD	0	0	1	0	1	1	2	1.1	1.6	-	-	0	0	0	0	0	0	0	-	-		
d. MDS & other	1	0	0	0	1	1	2	1.3	1.8	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	1	1	1	2	0.9	1.5	0.3	0.5	0	1	1	2	0	4	4	4.4	3.4		
II LYMPHOMA & RELATED	0	6	10	8	6	24	30	25.9	24.7	2.0	1.7	0	2	6	4	6	12	18	13.1	14.9		
a. Hodgkin	0	2	8	2	3	12	15	13.1	12.4	2.4	1.5	0	1	1	3	5	5	10	5.3	8.1		
b. Non-Hodgkin except BL	0	3	1	4	2	8	10	8.7	8.2	2.0	2.0	0	1	2	1	1	4	5	4.5	4.3		
c. Burkitt (BL)	0	0	0	1	1	1	2	0.9	1.5	0.3	0.7	0	0	3	0	0	3	3	3.3	2.6		
d. Lymphoreticular	0	1	1	0	0	2	2	2.4	1.8	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	1	0	1	1	0.9	0.7	-	-	0	0	0	0	0	0	0	-	-		
III CNS NEOPLASMS †	4	11	7	10	5	32	37	36.3	32.0	1.9	2.1	2	3	6	6	1	17	18	19.1	15.6		
a. Ependymoma	2	2	0	0	1	4	5	5.2	4.8	2.0	2.5	0	1	0	1	0	2	2	2.3	1.8		
b. Astrocytoma	0	3	0	1	0	4	4	4.8	3.7	1.0	1.0	0	1	1	2	0	4	4	4.4	3.4		
c. CNS embryonal	2	3	3	3	1	11	12	12.5	10.5	2.8	3.0	0	1	2	1	0	4	4	4.5	3.5		
d. Other gliomas	0	1	2	0	0	3	3	3.5	2.7	1.5	1.5	1	0	1	0	0	2	2	2.5	1.9		
e. Other specified	0	0	1	3	0	4	4	3.8	3.0	4.0	4.0	0	0	0	1	0	1	1	1.0	0.7		
f. Unspecified CNS	0	2	1	3	3	6	9	6.4	7.3	1.5	1.8	1	0	2	1	1	4	5	4.5	4.3		
IV NEUROBLASTOMA	4	3	0	0	1	7	8	9.2	7.9	0.8	0.9	5	3	0	1	0	9	9	11.8	9.2		
a. (Ganglio)neuroblastoma	4	3	0	0	1	7	8	9.2	7.9	0.8	0.9	5	3	0	1	0	9	9	11.8	9.2		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	2	2	0	0	0	4	4	5.2	4.1	1.0	1.0	0	4	0	0	0	4	4	5.4	4.2		
VI RENAL TUMOURS	0	3	2	0	0	5	5	6.1	4.7	1.0	0.8	1	2	1	1	1	5	6	6.1	5.5		
a. Nephroblastoma	0	3	2	0	0	5	5	6.1	4.7	1.3	1.3	1	2	1	0	0	4	4	5.2	4.0		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	1.0	1.5		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	2	0	1	0	0	3	3	3.7	2.9	1.5	1.5	1	1	0	0	0	2	2	2.7	2.1		
a. Hepatoblastoma	2	0	0	0	0	2	2	2.6	2.0	1.0	1.0	1	1	0	0	0	2	2	2.7	2.1		
b. Hepatic carcinoma	0	0	1	0	0	1	1	1.1	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	2	8	6	10	16	9.5	12.0	3.3	4.0	0	1	0	2	1	3	4	3.3	3.3		
a. Osteosarcoma	0	0	0	6	4	6	10	5.5	7.3	6.0	5.0	0	0	0	1	1	1	2	1.0	1.5		
b. Chondrosarcoma	0	0	0	0	1	0	1	-	0.8	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	0	2	1	0	3	3	3.1	2.4	3.0	3.0	0	1	0	0	0	1	1	1.4	1.1		
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	1	1	1	2	0.9	1.5	1.0	2.0	0	0	0	1	0	1	1	1.0	0.7		
IX SOFT TISSUE SARCOMA	0	2	3	1	0	6	6	6.8	5.2	2.0	1.2	0	1	1	1	2	3	5	3.4	4.2		
a. Rhabdomyosarcoma	0	1	3	1	0	5	5	5.5	4.2	2.5	2.5	0	1	1	0	0	2	2	2.5	1.9		
b. Fibrosarcoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	1.0	0.7		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.8		
d. Other specified	0	1	0	0	0	1	1	1.3	1.0	-	1.0	0	0	0	0	1	0	1	-	0.8		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
X GERM CELL TUMOURS	1	4	0	4	8	9	17	10.2	14.1	1.5	1.7	0	0	1	5	4	6	10	5.9	7.7		
a. CNS germ cell	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other extragonadal	1	1	0	1	0	3	3	3.5	2.7	-	3.0	0	0	0	0	1	0	1	-	0.8		
c. Gonadal germ cell	0	3	0	3	5	6	11	6.7	9.0	1.2	1.6	0	0	1	4	2	5	7	4.9	5.4		
d. Gonadal carcinoma	0	0	0	0	3	0	3	-	2.3	0.0	1.5	0	0	0	1	1	1	2	1.0	1.5		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
XI CARCINOMA & MELANOMA	0	1	0	1	3	2	5	2.2	4.0	0.5	1.0	1	0	0	3	1	4	5	4.2	4.1		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	0	0	1	0	1	-	0.8	-	-	0	0	0	0	0	0	0	-	-		
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	0	1	0	0	2	1	3	1.3	2.6	0.3	1.0	1	0	0	2	0	3	3	3.3	2.5		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	0	1	0	1	1	0.9	0.7	1.0	0.5	0	0	0	1	1	1	2	1.0	1.5		
XII OTHER & UNSPECIFIED	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	1	1	2	1.1	1.6		
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	1	1	2	1.1	1.6		
TOTAL	18	52	37	45	37	152	189	172.5	162.2	1.3	1.3	11	35	34	36	25	116	141	134.4	124.0		

† includes 9 non-malignant in males and 1 non-malignant in females

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	Age group	Males	Females
Person-years	0	58 138	56 289
	1-4	237 783	228 508
	5-9	299 565	293 191
	10-14	317 723	303 330
	15-19	292 143	283 859
Total	0-14	913 209	881 318
	0-19	1 205 352	1 165 177
Average annual population	0-14	83 019	80 120
	0-19	109 577	105 925

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