

PERU, Trujillo (1990-2002)

	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	4	38	29	28	29	99	128	39.3	100.0	36.8	100.0	25.1	59.7	37.6	34.3	33.1	42.5	40.4	623	789	99.2	0.8	
a. Lymphoid	2	27	22	19	16	70	86	27.8	70.7	24.7	67.2	12.6	42.4	28.5	23.3	18.3	30.1	27.4	441	533	100.0	0.0	
b. Acute myeloid	2	7	3	7	7	19	26	7.5	19.2	7.5	20.3	12.6	11.0	3.9	8.6	8.0	8.1	8.1	119	159	100.0	0.0	
c. CMD	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. MDS & other	0	0	1	0	0	1	1	0.4	1.0	0.3	0.8	-	-	1.3	-	-	0.4	0.3	6	6	100.0	0.0	
e. Unspecified	0	4	3	2	6	9	15	3.6	9.1	4.3	11.7	-	6.3	3.9	2.5	6.9	3.9	4.6	57	91	93.3	6.7	
II LYMPHOMA & RELATED	0	12	13	17	11	42	53	16.7	100.0	15.2	100.0	-	18.9	16.8	20.8	12.6	17.3	16.3	264	327	98.1	1.9	
a. Hodgkin	0	4	8	2	1	14	15	5.6	33.3	4.3	28.3	-	6.3	10.4	2.5	1.1	6.0	4.9	89	95	100.0	0.0	
b. Non-Hodgkin except BL	0	5	4	9	9	18	27	7.1	42.9	7.8	50.9	-	7.9	5.2	11.0	10.3	7.3	8.0	112	164	96.3	3.7	
c. Burkitt (BL)	0	3	1	3	0	7	7	2.8	16.7	2.0	13.2	-	4.7	1.3	3.7	-	2.9	2.3	44	44	100.0	0.0	
d. Lymphoreticular	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified	0	0	0	3	1	3	4	1.2	7.1	1.1	7.5	-	-	-	3.7	1.1	1.1	1.1	18	24	100.0	0.0	
III CNS NEOPLASMS	1	7	21	10	12	39	51	15.5	100.0	14.7	100.0	6.3	11.0	27.2	12.3	13.7	16.2	15.7	248	316	62.7	7.8	
a. Ependymoma	0	0	1	2	0	3	3	1.2	7.7	0.9	5.9	-	-	1.3	2.5	-	1.1	0.9	19	19	100.0	0.0	
b. Astrocytoma	0	1	7	5	3	13	16	5.2	33.3	4.6	31.4	-	1.6	9.1	6.1	3.4	5.2	4.8	82	99	100.0	0.0	
c. CNS embryonal	0	3	4	0	2	7	9	2.8	17.9	2.6	17.6	-	4.7	5.2	-	2.3	3.1	2.9	45	56	100.0	0.0	
d. Other gliomas	0	0	1	0	1	1	2	0.4	2.6	0.6	3.9	-	-	1.3	-	1.1	0.4	0.6	6	12	100.0	0.0	
e. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Unspecified CNS	1	3	8	3	6	15	21	6.0	38.5	6.0	41.2	6.3	4.7	10.4	3.7	6.9	6.4	6.5	95	130	9.5	19.0	
IV NEUROBLASTOMA	0	3	0	1	0	4	4	1.6	100.0	1.1	100.0	-	4.7	-	1.2	-	1.8	1.4	25	25	100.0	0.0	
a. (Ganglio)neuroblastoma	0	3	0	1	0	4	4	1.6	100.0	1.1	100.0	-	4.7	-	1.2	-	1.8	1.4	25	25	100.0	0.0	
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V RETINOBLASTOMA	0	8	2	0	0	10	10	4.0	100.0	2.9	100.0	-	12.6	2.6	-	-	4.7	3.7	63	63	100.0	0.0	
VI RENAL TUMOURS	2	2	3	0	0	7	7	2.8	100.0	2.0	100.0	12.6	3.1	3.9	-	-	3.2	2.5	45	45	100.0	0.0	
a. Nephroblastoma	2	2	2	0	0	6	6	2.4	85.7	1.7	85.7	12.6	3.1	2.6	-	-	2.8	2.2	38	38	100.0	0.0	
b. Renal carcinoma	0	0	1	0	0	1	1	0.4	14.3	0.3	14.3	-	-	1.3	-	-	0.4	0.3	6	6	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VII HEPATIC TUMOURS	0	4	1	0	2	5	7	2.0	100.0	2.0	100.0	-	6.3	1.3	-	2.3	2.4	2.3	32	43	85.7	14.3	
a. Hepatoblastoma	0	3	1	0	0	4	4	1.6	80.0	1.1	57.1	-	4.7	1.3	-	-	1.9	1.5	25	25	100.0	0.0	
b. Hepatic carcinoma	0	0	0	0	2	0	2	-	-	0.6	28.6	-	-	-	2.3	-	-	0.5	-	11	100.0	0.0	
c. Unspecified	0	1	0	0	0	1	1	0.4	20.0	0.3	14.3	-	1.6	-	-	-	0.5	0.4	6	6	0.0	100.0	
VIII BONE TUMOURS	0	0	6	5	10	11	21	4.4	100.0	6.0	100.0	-	-	7.8	6.1	11.4	4.3	5.9	70	127	90.5	4.8	
a. Osteosarcoma	0	0	6	5	6	11	17	4.4	100.0	4.9	81.0	-	-	7.8	6.1	6.9	4.3	4.9	70	104	94.1	5.9	
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c. Ewing & related	0	0	0	0	2	0	2	-	-	0.6	9.5	-	-	-	-	2.3	-	0.5	-	11	100.0	0.0	
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified	0	0	0	0	2	0	2	-	-	0.6	9.5	-	-	-	-	2.3	-	0.5	-	11	50.0	0.0	
IX SOFT TISSUE SARCOMA	0	6	5	5	10	16	26	6.3	100.0	7.5	100.0	-	9.4	6.5	6.1	11.4	6.8	7.8	101	158	100.0	0.0	
a. Rhabdomyosarcoma	0	5	2	1	1	8	9	3.2	50.0	2.6	34.6	-	7.9	2.6	1.2	1.1	3.6	3.1	51	56	100.0	0.0	
b. Fibrosarcoma	0	0	0	0	3	0	3	-	-	0.9	11.5	-	-	-	-	3.4	-	0.8	-	17	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	0	0	2	2	2	4	6	1.6	25.0	1.7	23.1	-	-	2.6	2.5	2.3	1.5	1.7	25	37	100.0	0.0	
e. Unspecified	0	1	1	2	4	4	8	1.6	25.0	2.3	30.8	-	1.6	1.3	2.5	4.6	1.6	2.3	25	48	100.0	0.0	
X GERM CELL TUMOURS	1	4	1	6	9	12	21	4.8	100.0	6.0	100.0	6.3	6.3	1.3	7.4	10.3	5.0	6.2	75	126	100.0	0.0	
a. CNS germ cell	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Other extragonadal	0	0	0	2	3	2	5	0.8	16.7	1.4	23.8	-	-	-	2.5	3.4	0.7	1.3	12	29	100.0	0.0	
c. Gonadal germ cell	1	3	1	4	6	9	15	3.6	75.0	4.3	71.4	6.3	4.7	1.3	4.9	6.9	3.8	4.5	56	90	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified gonadal	0	1	0	0	0	1	1	0.4	8.3	0.3	4.8	-	1.6	-	-	-	0.5	0.4	6	6	100.0	0.0	
XI CARCINOMA & MELANOMA	1	0	1	4	13	6	19	2.4	100.0	5.5	100.0	6.3	-	1.3	4.9	14.9	2.3	5.1	37	112	100.0	0.0	
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Thyroid	0	0	0	2	7	2	9	0.8	33.3	2.6	47.4	-	-	-	2.5	8.0	0.7	2.4	12	52	100.0	0.0	
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Melanoma	0	0	0	1	0	1	1	0.4	16.7	0.3	5.3	-	-	-	1.2	-	0.4	0.3	6	6	100.0	0.0	
e. Skin carcinoma	0	0	0	0	1	0	1	-	-	0.3	5.3	-	-	-	-	1.1	-	0.3	-	6	6	100.0	0.0
f. Other & unspecified	1	0	1	1	5	3	8	1.2	50.0	2.3	42.1	6.3	-	1.3	1.2	5.7	1.3	2.3	19	47	100.0	0.0	
XII OTHER & UNSPECIFIED	0	1	0	0	0	1	1	0.4	100.0	0.3	100.0	-	1.6	-	-	-	0.5	0.4	6	6	0.0	0.0	
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Other unspecified	0	1	0	0	0	1	1	0.4	100.0	0.3	100.0	-	1.6	-	-	-	0.5	0.4	6	6	0.0	0.0	
TOTAL	9	85	82	76	96	252	348	100.0	100.0	100.0	100.0	56.6	133.6	106.2	93.2	109.7	107.1	107.6	1588	2136	92.8	2.3	

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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	3	18	19	16	19	56	75	47.5	47.3	1.3	1.4	1	20	10	12	10	43	53	37.6	33.9		
a. Lymphoid	1	11	15	8	11	35	46	29.8	29.1	1.0	1.1	1	16	7	11	5	35	40	30.4	26.0		
b. Acute myeloid	2	5	1	6	4	14	18	11.9	11.4	2.8	2.3	0	2	2	1	3	5	8	4.4	4.8		
c. CMD	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. MDS & other	0	0	1	0	0	1	1	0.8	0.6	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	2	2	2	4	6	10	5.0	6.1	2.0	2.0	0	2	1	0	2	3	5	2.8	3.1		
II LYMPHOMA & RELATED	0	8	10	10	4	28	32	23.2	20.2	2.0	1.5	0	4	3	7	7	14	21	11.4	12.2		
a. Hodgkin	0	4	7	1	1	12	13	10.4	8.6	6.0	6.5	0	0	1	1	0	2	2	1.5	1.2		
b. Non-Hodgkin except BL	0	2	3	4	2	9	11	7.3	6.8	1.0	0.7	0	3	1	5	7	9	16	7.3	9.0		
c. Burkitt (BL)	0	2	0	2	0	4	4	3.4	2.6	1.3	1.3	0	1	1	1	0	3	3	2.5	2.0		
d. Lymphoreticular	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	3	1	3	4	2.2	2.2	-	-	0	0	0	0	0	0	0	-	-		
III CNS NEOPLASMS	1	4	16	4	6	25	31	21.0	19.6	1.8	1.6	0	3	5	6	6	14	20	11.4	11.7		
a. Ependymoma	0	0	0	2	0	2	2	1.4	1.1	2.0	2.0	0	0	1	0	0	1	1	0.8	0.6		
b. Astrocytoma	0	1	7	2	0	10	10	8.2	6.4	3.3	1.7	0	0	0	3	3	3	6	2.1	3.1		
c. CNS embryonal	0	2	2	0	1	4	5	3.6	3.3	1.3	1.3	0	1	2	0	1	3	4	2.7	2.5		
d. Other gliomas	0	0	1	0	1	1	2	0.8	1.2	-	-	0	0	0	0	0	0	0	-	-		
e. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Unspecified CNS	1	1	6	0	4	8	12	6.9	7.6	1.1	1.3	0	2	2	3	2	7	9	5.8	5.4		
IV NEUROBLASTOMA	0	1	0	1	0	2	2	1.7	1.3	1.0	1.0	0	2	0	0	0	2	2	2.0	1.5		
a. (Ganglio)neuroblastoma	0	1	0	1	0	2	2	1.7	1.3	1.0	1.0	0	2	0	0	0	2	2	2.0	1.5		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	0	4	1	0	0	5	5	4.7	3.6	1.0	1.0	0	4	1	0	0	5	5	4.8	3.7		
VI RENAL TUMOURS	2	0	2	0	0	4	4	3.6	2.8	1.3	1.3	0	2	1	0	0	3	3	2.8	2.2		
a. Nephroblastoma	2	0	1	0	0	3	3	2.8	2.1	1.0	1.0	0	2	1	0	0	3	3	2.8	2.2		
b. Renal carcinoma	0	0	1	0	0	1	1	0.8	0.6	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	0	1	1	0	1	2	3	1.8	1.9	0.7	0.8	0	3	0	0	1	3	4	3.0	2.8		
a. Hepatoblastoma	0	0	1	0	0	1	1	0.8	0.6	0.3	0.3	0	3	0	0	0	3	3	3.0	2.3		
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	0.6	-	1.0	0	0	0	0	1	0	1	-	0.5		
c. Unspecified	0	1	0	0	0	1	1	1.0	0.7	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	0	4	1	9	5	14	4.1	8.1	0.8	2.0	0	0	2	4	1	6	7	4.5	4.0		
a. Osteosarcoma	0	0	4	1	6	5	11	4.1	6.4	0.8	1.8	0	0	2	4	0	6	6	4.5	3.5		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	0	0	0	2	0	2	-	1.1	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	0	1	0	1	-	0.6	-	1.0	0	0	0	0	1	0	1	-	0.5		
IX SOFT TISSUE SARCOMA	0	4	2	2	5	8	13	6.9	8.1	1.0	1.0	0	2	3	3	5	8	13	6.6	7.5		
a. Rhabdomyosarcoma	0	4	1	0	0	5	5	4.7	3.6	1.7	1.3	0	1	1	1	1	3	4	2.5	2.4		
b. Fibrosarcoma	0	0	0	0	2	0	2	-	1.1	-	2.0	0	0	0	0	1	0	1	-	0.5		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	0	0	1	0	1	1	0.7	0.6	0.3	0.2	0	0	2	1	2	3	5	2.4	2.8		
e. Unspecified	0	0	1	1	3	2	5	1.6	2.9	1.0	1.7	0	1	0	1	1	2	3	1.7	1.8		
X GERM CELL TUMOURS	1	3	0	1	3	5	8	4.6	5.2	0.7	0.6	0	1	1	5	6	7	13	5.3	7.0		
a. CNS germ cell	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other extragonadal	0	0	0	1	0	1	1	0.7	0.6	1.0	0.3	0	0	0	1	3	1	4	0.7	2.0		
c. Gonadal germ cell	1	3	0	0	3	4	7	3.8	4.6	0.8	0.9	0	0	1	4	3	5	8	3.7	4.3		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	1.0	0.8		
XI CARCINOMA & MELANOMA	0	0	1	3	2	4	6	3.0	3.4	2.0	0.5	1	0	0	1	11	2	13	1.7	6.6		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	0	2	1	2	3	1.4	1.7	-	0.5	0	0	0	0	6	0	6	-	2.9		
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	0	0	0	1	0	1	1	0.7	0.6	-	-	0	0	0	0	0	0	0	-	-		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.5		
f. Other & unspecified	0	0	1	0	1	1	2	0.8	1.2	0.5	0.3	1	0	0	1	4	2	6	1.7	3.2		
XII OTHER & UNSPECIFIED	0	1	0	0	0	1	1	1.0	0.7	-	-	0	0	0	0	0	0	0	-	-		
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	0	1	0	0	0	1	1	1.0	0.7	-	-	0	0	0	0	0	0	0	-	-		
TOTAL	7	44	56	38	49	145	194	123.0	122.3	1.4	1.3	2	41	26	38	47	107	154	91.0	93.2		

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	Age group	Males	Females
Person-years	0	80 657	78 442
	1-4	322 628	313 768
	5-9	387 325	384 750
	10-14	403 250	412 490
	15-19	408 685	466 555
Total	0-14	1 193 860	1 189 450
	0-19	1 602 545	1 656 005
Average annual population	0-14	91 835	91 496
	0-19	123 273	127 385

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