

ITALY, Marche, paediatric (1998-2007)

	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	8	54	26	11	27	99	126	27.3	100.0	22.5	100.0	63.1	107.6	40.9	16.7	38.4	56.2	52.2	781	973	99.2	0.0
a. Lymphoid	5	48	22	8	21	83	104	22.9	83.8	18.6	82.5	39.4	95.7	34.6	12.2	29.9	47.3	43.4	655	805	99.0	0.0
b. Acute myeloid	2	4	4	1	5	11	16	3.0	11.1	2.9	12.7	15.8	8.0	6.3	1.5	7.1	6.2	6.4	87	122	100.0	0.0
c. CMD	0	0	0	1	1	1	2	0.3	1.0	0.4	1.6	-	-	-	1.5	1.4	0.4	0.7	8	15	100.0	0.0
d. MDS & other	1	2	0	1	0	4	4	1.1	4.0	0.7	3.2	7.9	4.0	-	1.5	-	2.3	1.8	31	31	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
II LYMPHOMA & RELATED	0	5	14	27	69	46	115	12.7	100.0	20.6	100.0	-	10.0	22.0	41.1	98.1	22.1	39.2	355	846	99.1	0.0
a. Hodgkin	0	1	6	16	52	23	75	6.4	50.0	13.4	65.2	-	2.0	9.4	24.3	73.9	10.7	24.9	177	546	98.7	0.0
b. Non-Hodgkin except BL	0	4	3	4	10	11	21	3.0	23.9	3.8	18.3	-	8.0	4.7	6.1	14.2	5.8	7.7	86	157	100.0	0.0
c. Burkitt (BL)	0	0	5	7	6	12	18	3.3	26.1	3.2	15.7	-	-	7.9	10.7	8.5	5.6	6.3	93	135	100.0	0.0
d. Lymphoreticular	0	0	0	0	1	0	1	-	-	0.2	0.9	-	-	-	-	1.4	-	0.3	-	7	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III CNS NEOPLASMS †	7	29	23	31	20	90	110	24.9	100.0	19.7	100.0	55.2	57.8	36.2	47.2	28.4	47.5	43.2	703	845	90.0	0.0
a. Ependymoma	2	4	2	1	3	9	12	2.5	10.0	2.1	10.9	15.8	8.0	3.1	1.5	4.3	5.2	5.0	71	92	100.0	0.0
b. Astrocytoma	2	9	14	14	7	39	46	10.8	43.3	8.2	41.8	15.8	17.9	22.0	21.3	10.0	20.1	17.8	304	354	87.0	0.0
c. CNS embryonal	2	6	4	3	5	15	20	4.1	16.7	3.6	18.2	15.8	12.0	6.3	4.6	7.1	8.3	8.0	118	153	100.0	0.0
d. Other gliomas	1	1	0	5	3	7	10	1.9	7.8	1.8	9.1	7.9	2.0	-	7.6	4.3	3.4	3.6	54	75	80.0	0.0
e. Other specified	0	9	3	7	2	19	21	5.2	21.1	3.8	19.1	-	17.9	4.7	10.7	2.8	10.2	8.5	148	163	85.7	0.0
f. Unspecified CNS	0	0	0	1	0	1	1	0.3	1.1	0.2	0.9	-	-	-	1.5	-	0.4	0.3	8	8	100.0	0.0
IV NEUROBLASTOMA	18	8	3	0	0	29	29	8.0	100.0	5.2	100.0	141.9	15.9	4.7	-	-	17.5	13.6	230	230	100.0	0.0
a. (Ganglio)neuroblastoma	18	8	3	0	0	29	29	8.0	100.0	5.2	100.0	141.9	15.9	4.7	-	-	17.5	13.6	230	230	100.0	0.0
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V RETINOBLASTOMA	4	7	0	0	0	11	11	3.0	100.0	2.0	100.0	31.5	14.0	-	-	-	6.8	5.2	87	87	81.8	0.0
VI RENAL TUMOURS	3	11	5	0	1	19	20	5.2	100.0	3.6	100.0	23.6	21.9	7.9	-	1.4	11.2	9.0	151	158	100.0	0.0
a. Nephroblastoma	3	11	4	0	0	18	18	5.0	94.7	3.2	90.0	23.6	21.9	6.3	-	-	10.6	8.3	143	143	100.0	0.0
b. Renal carcinoma	0	0	1	0	1	1	2	0.3	5.3	0.4	10.0	-	-	1.6	-	1.4	0.5	0.7	8	15	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	1	0	2	2	0	5	5	1.4	100.0	0.9	100.0	7.9	-	3.1	3.0	-	2.5	1.9	39	39	100.0	0.0
a. Hepatoblastoma	1	0	2	0	0	3	3	0.8	60.0	0.5	60.0	7.9	-	3.1	-	-	1.6	1.3	24	24	100.0	0.0
b. Hepatic carcinoma	0	0	0	2	0	2	2	0.6	40.0	0.4	40.0	-	-	-	3.0	-	0.9	0.7	15	15	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	0	3	9	12	12	24	3.3	100.0	4.3	100.0	-	-	4.7	13.7	17.1	5.5	8.1	92	177	100.0	0.0
a. Osteosarcoma	0	0	2	8	9	10	19	2.8	83.3	3.4	79.2	-	-	3.1	12.2	12.8	4.5	6.4	77	141	100.0	0.0
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Ewing & related	0	0	1	1	3	2	5	0.6	16.7	0.9	20.8	-	-	1.6	1.5	4.3	0.9	1.7	15	37	100.0	0.0
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX SOFT TISSUE SARCOMA	4	4	3	5	14	16	30	4.4	100.0	5.4	100.0	31.5	8.0	4.7	7.6	19.9	8.7	11.2	125	225	100.0	0.0
a. Rhabdomyosarcoma	1	4	1	2	5	8	13	2.2	50.0	2.3	43.3	7.9	8.0	1.6	3.0	7.1	4.5	5.1	63	98	100.0	0.0
b. Fibrosarcoma	2	0	0	1	1	3	4	0.8	18.8	0.7	13.3	15.8	-	-	1.5	1.4	1.7	1.6	24	31	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	0	0	2	2	5	4	9	1.1	25.0	1.6	30.0	-	-	3.1	3.0	7.1	1.9	3.1	31	66	100.0	0.0
e. Unspecified	1	0	0	0	3	1	4	0.3	6.3	0.7	13.3	7.9	-	-	-	4.3	0.6	1.4	8	29	100.0	0.0
X GERM CELL TUMOURS	4	4	1	6	21	15	36	4.1	100.0	6.4	100.0	31.5	8.0	1.6	9.1	29.9	8.1	13.0	117	266	91.7	0.0
a. CNS germ cell ‡	3	1	1	3	0	8	8	2.2	53.3	1.4	22.2	23.6	2.0	1.6	4.6	-	4.3	3.3	62	62	62.5	0.0
b. Other extragonadal	0	2	0	0	1	2	3	0.6	13.3	0.5	8.3	-	4.0	-	-	1.4	1.2	1.3	16	23	100.0	0.0
c. Gonadal germ cell	1	1	0	3	16	5	21	1.4	33.3	3.8	58.3	7.9	2.0	-	4.6	22.7	2.6	7.1	39	152	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	4	0	4	-	-	0.7	11.1	-	-	-	-	5.7	-	1.3	-	28	100.0	0.0
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI CARCINOMA & MELANOMA	0	2	1	17	31	20	51	5.5	100.0	9.1	100.0	-	4.0	1.6	25.9	44.1	9.2	17.1	153	373	100.0	0.0
a. Adrenocortical	0	0	0	1	0	1	1	0.3	5.0	0.2	2.0	-	-	-	1.5	-	0.4	0.3	8	8	100.0	0.0
b. Thyroid	0	0	0	7	10	7	17	1.9	35.0	3.0	33.3	-	-	-	10.7	14.2	3.1	5.6	53	124	100.0	0.0
c. Nasopharyngeal	0	0	0	0	1	0	1	-	-	0.2	2.0	-	-	-	-	1.4	-	0.3	-	7	100.0	0.0
d. Melanoma	0	2	1	5	12	8	20	2.2	40.0	3.6	39.2	-	4.0	1.6	7.6	17.1	3.9	6.9	62	147	100.0	0.0
e. Skin carcinoma	0	0	0	0	2	0	2	-	-	0.4	3.9	-	-	-	-	2.8	-	0.6	-	14	100.0	0.0
f. Other & unspecified	0	0	0	4	6	4	10	1.1	20.0	1.8	19.6	-	-	-	6.1	8.5	1.8	3.3	30	73	100.0	0.0
XII OTHER & UNSPECIFIED	0	0	0	0	2	0	2	-	-	0.4	100.0	-	-	-	-	2.8	-	0.6	-	14	100.0	0.0
a. Other specified	0	0	0	0	1	0	1	-	-	0.2	50.0	-	-	-	-	1.4	-	0.3	-	7	100.0	0.0
b. Other unspecified	0	0	0	0	1	0	1	-	-	0.2	50.0	-	-	-	-	1.4	-	0.3	-	7	100.0	0.0
TOTAL	49	124	81	108	197	362	559	100.0	100.0	100.0	100.0	386.2	247.1	127.3	164.3	280.1	195.3	214.4	2834	4235	96.8	0.0

† includes 21 non-malignant ‡ includes 2 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										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	6	29	11	7	16	53	69	58.6	55.4	1.2	1.2	2	25	15	4	11	46	57	53.7	48.8		
a. Lymphoid	3	26	10	4	11	43	54	47.9	44.0	1.1	1.1	2	22	12	4	10	40	50	46.7	42.8		
b. Acute myeloid	2	2	1	1	4	6	10	6.6	7.6	1.2	1.7	0	2	3	0	1	5	6	5.7	5.1		
c. CMD	0	0	0	1	1	1	2	0.9	1.3	-	-	0	0	0	0	0	0	0	-	-		
d. MDS & other	1	1	0	1	0	3	3	3.2	2.5	3.0	3.0	0	1	0	0	0	1	1	1.3	1.0		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
II LYMPHOMA & RELATED	0	5	14	16	35	35	70	33.5	47.8	3.2	1.6	0	0	0	11	34	11	45	10.0	30.1		
a. Hodgkin	0	1	6	6	28	13	41	12.3	27.0	1.3	1.2	0	0	0	10	24	10	34	9.1	22.8		
b. Non-Hodgkin except BL	0	4	3	3	3	10	13	10.3	9.9	10.0	1.6	0	0	0	1	7	1	8	0.9	5.3		
c. Burkitt (BL)	0	0	5	7	4	12	16	10.9	11.0	-	8.0	0	0	0	0	2	0	2	-	1.3		
d. Lymphoreticular	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.7		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
III CNS NEOPLASMS †	5	15	11	21	12	52	64	52.8	48.4	1.4	1.4	2	14	12	10	8	38	46	42.0	37.8		
a. Ependymoma	1	2	1	1	1	5	6	5.4	4.8	1.3	1.0	1	2	1	0	2	4	6	4.9	5.1		
b. Astrocytoma	2	4	6	8	5	20	25	19.9	18.6	1.1	1.2	0	5	8	6	2	19	21	20.2	16.9		
c. CNS embryonal	1	4	2	3	3	10	13	10.5	10.0	2.0	1.9	1	2	2	0	2	5	7	5.9	5.9		
d. Other gliomas	1	1	0	4	3	6	9	5.8	6.4	6.0	9.0	0	0	0	1	0	1	1	0.9	0.7		
e. Other specified	0	4	2	4	0	10	10	10.2	7.9	1.1	0.9	0	5	1	3	2	9	11	10.1	9.2		
f. Unspecified CNS	0	0	0	1	0	1	1	0.9	0.7	-	-	0	0	0	0	0	0	0	-	-		
IV NEUROBLASTOMA	10	3	2	0	0	15	15	17.5	13.6	1.1	1.1	8	5	1	0	0	14	14	17.6	13.6		
a. (Ganglio)neuroblastoma	10	3	2	0	0	15	15	17.5	13.6	1.1	1.1	8	5	1	0	0	14	14	17.6	13.6		
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	4.8	3.7	0.6	0.6	2	5	0	0	0	7	7	8.9	6.9		
VI RENAL TUMOURS	2	3	2	0	0	7	7	7.9	6.2	0.6	0.5	1	8	3	0	1	12	13	14.6	12.0		
a. Nephroblastoma	2	3	2	0	0	7	7	7.9	6.2	0.6	0.6	1	8	2	0	0	11	11	13.5	10.5		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	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	1	0	2	2	0	5	5	4.9	3.8	-	-	0	0	0	0	0	0	0	-	-		
a. Hepatoblastoma	1	0	2	0	0	3	3	3.2	2.5	-	-	0	0	0	0	0	0	0	-	-		
b. Hepatic carcinoma	0	0	0	2	0	2	2	1.7	1.3	-	-	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	3	2	10	5	15	4.7	9.9	0.7	1.7	0	0	0	7	2	7	9	6.4	6.2		
a. Osteosarcoma	0	0	2	2	8	4	12	3.7	7.8	0.7	1.7	0	0	0	6	1	6	7	5.4	4.9		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	0	1	0	2	1	3	1.0	2.0	1.0	1.5	0	0	0	1	1	1	2	0.9	1.4		
d. Other specified	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	-	-		
IX SOFT TISSUE SARCOMA	3	0	2	2	9	7	16	7.3	11.2	0.8	1.1	1	4	1	3	5	9	14	10.1	11.1		
a. Rhabdomyosarcoma	0	0	1	1	4	2	6	1.8	3.9	0.3	0.9	1	4	0	1	1	6	7	7.3	6.3		
b. Fibrosarcoma	2	0	0	1	1	3	4	3.2	3.1	-	-	0	0	0	0	0	0	0	-	-		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	0	1	0	2	1	3	1.0	2.0	0.3	0.5	0	0	1	2	3	3	6	2.9	4.2		
e. Unspecified	1	0	0	0	2	1	3	1.2	2.2	-	3.0	0	0	0	0	1	0	1	-	0.7		
X GERM CELL TUMOURS	3	1	0	5	14	9	23	9.1	15.8	1.5	1.8	1	3	1	1	7	6	13	7.0	10.1		
a. CNS germ cell ‡	2	1	0	3	0	6	6	6.2	4.8	3.0	3.0	1	0	1	0	0	2	2	2.3	1.8		
b. Other extragonadal	0	0	0	0	1	0	1	-	0.6	0.0	0.5	0	2	0	0	0	2	2	2.5	2.0		
c. Gonadal germ cell	1	0	0	2	13	3	16	2.9	10.4	1.5	3.2	0	1	0	1	3	2	5	2.2	3.7		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	4	0	4	-	2.6		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
XI CARCINOMA & MELANOMA	0	1	0	7	14	8	22	7.2	14.3	0.7	0.8	0	1	1	10	17	12	29	11.4	20.0		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.9	0.7		
b. Thyroid	0	0	0	3	5	3	8	2.6	5.1	0.8	0.9	0	0	0	4	5	4	9	3.6	6.1		
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.7		
d. Melanoma	0	1	0	1	5	2	7	2.1	4.7	0.3	0.5	0	1	1	4	7	6	13	6.0	9.2		
e. Skin carcinoma	0	0	0	0	1	0	1	-	0.6	-	1.0	0	0	0	0	1	0	1	-	0.7		
f. Other & unspecified	0	0	0	3	3	3	6	2.6	3.9	3.0	1.5	0	0	0	1	3	1	4	0.9	2.7		
XII OTHER & UNSPECIFIED	0	0	0	0	1	0	1	-	0.6	-	1.0	0	0	0	0	1	0	1	-	0.7		
a. Other specified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.7		
b. Other unspecified	0	0	0	0	1	0	1	-	0.6	-	-	0	0	0	0	0	0	0	-	-		
TOTAL	32	59	47	62	111	200	311	208.2	230.6	1.2	1.3	17	65	34	46	86	162	248	181.6	197.2		

† includes 10 non-malignant in males and 11 non-malignant in females ‡ includes 1 non-malignant in males and 1 non-malignant in females

Please consult the quality indicators for this registry

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	Age group	Males	Females
Person-years	0	65 385	61 490
	1-4	258 826	242 948
	5-9	327 799	308 364
	10-14	337 598	319 624
	15-19	360 763	342 672
Total	0-14	989 608	932 426
	0-19	1 350 371	1 275 098
Average annual population	0-14	98 961	93 243
	0-19	135 037	127 510

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