

ITALY, Modena (1990-2012)

	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	0-19	ASR			0-14	0-19
I LEUKAEMIA	5	39	29	28	19	101	120	30.1	100.0	23.9	100.0	37.7	75.6	46.9	44.8	27.4	54.4	48.3	798	935	99.2	0.8	
a. Lymphoid	2	35	24	20	8	81	89	24.2	80.2	17.7	74.2	15.1	67.9	38.8	32.0	11.5	43.9	36.6	639	697	100.0	0.0	
b. Acute myeloid	1	4	4	7	4	16	20	4.8	15.8	4.0	16.7	7.5	7.8	6.5	11.2	5.8	8.3	7.7	127	156	95.0	5.0	
c. CMD	0	0	1	1	5	2	7	0.6	2.0	1.4	5.8	-	-	1.6	1.6	7.2	1.0	2.4	16	52	100.0	0.0	
d. MDS & other	2	0	0	0	1	2	3	0.6	2.0	0.6	2.5	15.1	-	-	-	1.4	1.2	1.2	15	23	100.0	0.0	
e. Unspecified	0	0	0	0	1	0	1	-	-	0.2	0.8	-	-	-	1.4	-	0.3	-	7	-	100.0	0.0	
II LYMPHOMA & RELATED	2	4	12	31	49	49	98	14.6	100.0	19.5	100.0	15.1	7.8	19.4	49.6	70.7	24.2	34.7	391	744	98.0	1.0	
a. Hodgkin	0	0	1	17	33	18	51	5.4	36.7	10.1	52.0	-	-	1.6	27.2	47.6	8.4	17.2	144	382	100.0	0.0	
b. Non-Hodgkin except BL	1	1	5	9	14	16	30	4.8	32.7	6.0	30.6	7.5	1.9	8.1	14.4	20.2	8.0	10.7	128	229	96.7	3.3	
c. Burkitt (BL)	0	1	5	4	2	10	12	3.0	20.4	2.4	12.2	-	1.9	8.1	6.4	2.9	5.1	4.6	80	95	100.0	0.0	
d. Lymphoreticular	1	2	1	0	0	4	4	1.2	8.2	0.8	4.1	7.5	3.9	1.6	-	-	2.3	1.8	31	31	100.0	0.0	
e. Unspecified	0	0	0	1	0	1	1	0.3	2.0	0.2	1.0	-	-	-	1.6	-	0.5	0.4	8	8	0.0	0.0	
III CNS NEOPLASMS †	6	17	23	15	14	61	75	18.2	100.0	14.9	100.0	45.2	33.0	37.2	24.0	20.2	32.7	29.9	483	584	78.7	0.0	
a. Ependymoma	1	1	0	2	1	4	5	1.2	6.6	1.0	6.7	7.5	1.9	-	3.2	1.4	2.1	2.0	31	39	100.0	0.0	
b. Astrocytoma	2	9	12	6	5	29	34	8.7	47.5	6.8	45.3	15.1	17.5	19.4	9.6	7.2	15.6	13.7	230	266	97.1	0.0	
c. CNS embryonal	0	4	6	2	4	12	16	3.6	19.7	3.2	21.3	-	7.8	9.7	3.2	5.8	6.4	6.3	95	124	100.0	0.0	
d. Other gliomas	0	1	2	1	1	4	5	1.2	6.6	1.0	6.7	-	1.9	3.2	1.6	1.4	2.1	2.0	32	39	40.0	0.0	
e. Other specified	0	0	0	0	1	0	1	-	-	0.2	1.3	-	-	-	-	1.4	-	0.3	-	7	7	100.0	0.0
f. Unspecified CNS	3	2	3	4	2	12	14	3.6	19.7	2.8	18.7	22.6	3.9	4.8	6.4	2.9	6.4	5.6	95	109	14.3	0.0	
IV NEUROBLASTOMA	13	18	3	3	1	37	38	11.0	100.0	7.6	100.0	98.0	34.9	4.8	4.8	1.4	21.5	17.0	287	295	97.4	0.0	
a. (Ganglio)neuroblastoma	13	18	3	3	1	37	38	11.0	100.0	7.6	100.0	98.0	34.9	4.8	4.8	1.4	21.5	17.0	287	295	97.4	0.0	
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V RETINOBLASTOMA	3	2	0	0	0	5	5	1.5	100.0	1.0	100.0	22.6	3.9	-	-	-	3.0	2.3	39	39	100.0	0.0	
VI RENAL TUMOURS	2	7	2	2	0	13	13	3.9	100.0	2.6	100.0	15.1	13.6	3.2	3.2	-	7.3	5.7	102	102	100.0	0.0	
a. Nephroblastoma	2	6	2	0	0	10	10	3.0	76.9	2.0	76.9	15.1	11.6	3.2	-	-	5.8	4.5	78	78	100.0	0.0	
b. Renal carcinoma	0	1	0	2	0	3	3	0.9	23.1	0.6	23.1	-	1.9	-	3.2	-	1.5	1.2	24	24	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VII HEPATIC TUMOURS	1	4	0	0	2	5	7	1.5	100.0	1.4	100.0	7.5	7.8	-	-	2.9	3.0	3.0	39	53	100.0	0.0	
a. Hepatoblastoma	1	4	0	0	0	5	5	1.5	100.0	1.0	71.4	7.5	7.8	-	-	-	3.0	2.3	39	39	100.0	0.0	
b. Hepatic carcinoma	0	0	0	0	2	0	2	-	-	0.4	28.6	-	-	-	-	2.9	-	0.6	-	14	14	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIII BONE TUMOURS	0	2	6	10	13	18	31	5.4	100.0	6.2	100.0	-	3.9	9.7	16.0	18.7	9.0	11.2	144	238	100.0	0.0	
a. Osteosarcoma	0	0	5	4	4	9	13	2.7	50.0	2.6	41.9	-	-	8.1	6.4	5.8	4.5	4.8	72	101	100.0	0.0	
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c. Ewing & related	0	2	1	6	8	9	17	2.7	50.0	3.4	54.8	-	3.9	1.6	9.6	11.5	4.5	6.1	71	129	100.0	0.0	
d. Other specified	0	0	0	0	1	0	1	-	-	0.2	3.2	-	-	-	-	1.4	-	0.3	-	7	7	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IX SOFT TISSUE SARCOMA	4	7	5	8	11	24	35	7.2	100.0	7.0	100.0	30.1	13.6	8.1	12.8	15.9	12.9	13.6	189	269	100.0	0.0	
a. Rhabdomyosarcoma	1	7	4	3	3	15	18	4.5	62.5	3.6	51.4	7.5	13.6	6.5	4.8	4.3	8.3	7.4	118	140	100.0	0.0	
b. Fibrosarcoma	1	0	0	0	1	1	2	0.3	4.2	0.4	5.7	7.5	-	-	-	1.4	0.6	0.8	8	15	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	2	0	1	4	7	7	14	2.1	29.2	2.8	40.0	15.1	-	1.6	6.4	10.1	3.6	5.0	55	106	100.0	0.0	
e. Unspecified	0	0	0	1	0	1	1	0.3	4.2	0.2	2.9	-	-	-	1.6	-	0.5	0.4	8	8	100.0	0.0	
X GERM CELL TUMOURS	3	0	1	5	18	9	27	2.7	100.0	5.4	100.0	22.6	-	1.6	8.0	26.0	4.6	9.4	71	201	96.3	0.0	
a. CNS germ cell	0	0	1	1	1	2	3	0.6	22.2	0.6	11.1	-	-	1.6	1.6	1.4	1.0	1.1	16	23	100.0	0.0	
b. Other extragonadal	1	0	0	0	1	1	2	0.3	11.1	0.4	7.4	7.5	-	-	-	1.4	0.6	0.8	8	15	100.0	0.0	
c. Gonadal germ cell	2	0	0	4	14	6	20	1.8	66.7	4.0	74.1	15.1	-	-	6.4	20.2	3.1	6.9	47	148	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	-	0.2	3.7	-	-	-	-	1.4	-	0.3	-	7	7	100.0	0.0
e. Unspecified gonadal	0	0	0	0	1	0	1	-	-	0.2	3.7	-	-	-	1.4	-	0.3	-	7	7	0.0	0.0	
XI CARCINOMA & MELANOMA	0	0	2	8	39	10	49	3.0	100.0	9.7	100.0	-	-	3.2	12.8	56.2	4.8	16.3	80	361	100.0	0.0	
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Thyroid	0	0	2	3	23	5	28	1.5	50.0	5.6	57.1	-	-	3.2	4.8	33.2	2.4	9.4	40	206	100.0	0.0	
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Melanoma	0	0	0	1	5	1	6	0.3	10.0	1.2	12.2	-	-	-	1.6	7.2	0.5	2.0	8	44	100.0	0.0	
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Other & unspecified	0	0	0	4	11	4	15	1.2	40.0	3.0	30.6	-	-	-	6.4	15.9	1.9	5.0	32	111	100.0	0.0	
XII OTHER & UNSPECIFIED	1	2	0	0	2	3	5	0.9	100.0	1.0	100.0	7.5	3.9	-	-	2.9	1.8	2.0	23	38	60.0	20.0	
a. Other specified	1	1	0	0	1	2	3	0.6	66.7	0.6	60.0	7.5	1.9	-	-	1.4	1.2	1.2	15	23	100.0	0.0	
b. Other unspecified	0	1	0	0	1	1	2	0.3	33.3	0.4	40.0	-	1.9	-	-	1.4	0.6	0.8	8	15	0.0	50.0	
TOTAL	40	102	83	110	168	335	503	100.0	100.0	100.0	100.0	301.4	197.8	134.1	176.0	242.3	179.1	193.3	2645	3857	95.4	0.6	

† includes 29 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							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	0-14	0-19	0	1-4	5-9	10-14	15-19	0-14	0-19	0-14	0-19		
I LEUKAEMIA	1	18	19	18	10	56	66	57.5	50.9	1.2	1.2	4	21	10	10	9	45	54	51.1	45.6		
a. Lymphoid	1	16	16	13	4	46	50	47.6	39.4	1.3	1.3	1	19	8	7	4	35	39	39.9	33.6		
b. Acute myeloid	0	2	2	5	2	9	11	8.9	8.1	1.3	1.2	1	2	2	2	2	7	9	7.8	7.3		
c. CMD	0	0	1	0	3	1	4	1.0	2.7	1.0	1.3	0	0	0	1	2	1	3	1.0	2.1		
d. MDS & other	0	0	0	0	0	0	0	-	-	0.0	0.0	2	0	0	0	1	2	3	2.5	2.6		
e. Unspecified	0	0	0	0	1	0	1	-	0.6	-	-	0	0	0	0	0	0	0	-	-		
II LYMPHOMA & RELATED	1	4	10	20	25	35	60	34.0	42.1	2.5	1.6	1	0	2	11	24	14	38	13.9	26.8		
a. Hodgkin	0	0	1	9	17	10	27	9.1	17.8	1.3	1.1	0	0	0	8	16	8	24	7.7	16.6		
b. Non-Hodgkin except BL	0	1	3	8	8	12	20	11.4	13.9	3.0	2.0	1	0	2	1	6	4	10	4.3	7.4		
c. Burkitt (BL)	0	1	5	3	0	9	9	8.9	6.9	9.0	3.0	0	0	0	1	2	1	3	1.0	2.1		
d. Lymphoreticular	1	2	1	0	0	4	4	4.5	3.5	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	1.0	0.7		
III CNS NEOPLASMS †	3	8	11	8	6	30	36	31.1	27.9	1.0	0.9	3	9	12	7	8	31	39	34.4	32.0		
a. Ependymoma	1	0	0	1	0	2	2	2.1	1.6	1.0	0.7	0	1	0	1	1	2	3	2.2	2.4		
b. Astrocytoma	1	4	6	2	2	13	15	13.7	11.9	0.8	0.8	1	5	6	4	3	16	19	17.7	15.7		
c. CNS embryonal	0	3	2	2	2	7	9	7.3	6.9	1.4	1.3	0	1	4	0	2	5	7	5.5	5.6		
d. Other gliomas	0	1	2	1	0	4	4	4.1	3.2	-	4.0	0	0	0	0	1	0	1	-	0.7		
e. Other specified	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.7		
f. Unspecified CNS	1	0	1	2	2	4	6	4.0	4.3	0.5	0.8	2	2	2	2	0	8	8	9.0	7.0		
IV NEUROBLASTOMA	6	9	2	2	0	19	19	21.2	16.4	1.1	1.0	7	9	1	1	1	18	19	21.7	17.5		
a. (Ganglio)neuroblastoma	6	9	2	2	0	19	19	21.2	16.4	1.1	1.0	7	9	1	1	1	18	19	21.7	17.5		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	2	0	0	0	0	2	2	2.3	1.8	0.7	0.7	1	2	0	0	0	3	3	3.7	2.9		
VI RENAL TUMOURS	1	4	1	2	0	8	8	8.6	6.7	1.6	1.6	1	3	1	0	0	5	5	6.0	4.6		
a. Nephroblastoma	1	3	1	0	0	5	5	5.7	4.4	1.0	1.0	1	3	1	0	0	5	5	6.0	4.6		
b. Renal carcinoma	0	1	0	2	0	3	3	3.0	2.3	-	-	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	2	0	0	1	2	3	2.3	2.4	0.7	0.8	1	2	0	0	1	3	4	3.7	3.5		
a. Hepatoblastoma	0	2	0	0	0	2	2	2.3	1.8	0.7	0.7	1	2	0	0	0	3	3	3.7	2.9		
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	0.6	-	1.0	0	0	0	0	1	0	1	-	0.7		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	1	4	4	7	9	16	8.8	11.3	1.0	1.1	0	1	2	6	6	9	15	9.1	11.1		
a. Osteosarcoma	0	0	4	1	1	5	6	5.0	4.5	1.3	0.9	0	0	1	3	3	4	7	3.9	5.1		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	1	0	3	5	4	9	3.9	6.1	0.8	1.1	0	1	1	3	3	5	8	5.2	6.0		
d. Other specified	0	0	0	0	1	0	1	-	0.6	-	-	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	2	3	5	4	7	14	21	14.5	15.6	1.4	1.5	2	4	0	4	4	10	14	11.2	11.4		
a. Rhabdomyosarcoma	1	3	4	1	3	9	12	9.6	9.3	1.5	2.0	0	4	0	2	0	6	6	6.8	5.3		
b. Fibrosarcoma	0	0	0	0	1	0	1	-	0.6	0.0	1.0	1	0	0	0	0	1	1	1.2	1.0		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	1	0	1	2	3	4	7	4.0	5.0	1.3	1.0	1	0	0	2	4	3	7	3.1	5.1		
e. Unspecified	0	0	0	1	0	1	1	0.9	0.7	-	-	0	0	0	0	0	0	0	-	-		
X GERM CELL TUMOURS	2	0	0	2	16	4	20	4.1	13.3	0.8	2.9	1	0	1	3	2	5	7	5.2	5.3		
a. CNS germ cell	0	0	0	1	1	1	2	0.9	1.3	1.0	2.0	0	0	1	0	0	1	1	1.1	0.8		
b. Other extragonadal	0	0	0	0	1	0	1	-	0.6	0.0	1.0	1	0	0	0	0	1	1	1.2	1.0		
c. Gonadal germ cell	2	0	0	1	13	3	16	3.2	10.7	1.0	4.0	0	0	0	3	1	3	4	2.9	2.9		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.7		
e. Unspecified gonadal	0	0	0	0	1	0	1	-	0.6	-	-	0	0	0	0	0	0	0	-	-		
XI CARCINOMA & MELANOMA	0	0	1	2	16	3	19	2.8	12.3	0.4	0.6	0	0	1	6	23	7	30	6.8	20.6		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	1	0	10	1	11	1.0	7.1	0.3	0.6	0	0	1	3	13	4	17	3.9	11.7		
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	0	0	0	1	1	1	2	0.9	1.3	-	0.5	0	0	0	0	4	0	4	-	2.7		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	0	1	5	1	6	0.9	3.9	0.3	0.7	0	0	0	3	6	3	9	2.9	6.2		
XII OTHER & UNSPECIFIED	1	2	0	0	1	3	4	3.5	3.3	-	4.0	0	0	0	0	1	0	1	-	0.7		
a. Other specified	1	1	0	0	0	2	2	2.3	1.8	-	2.0	0	0	0	0	1	0	1	-	0.7		
b. Other unspecified	0	1	0	0	1	1	2	1.2	1.5	-	-	0	0	0	0	0	0	0	-	-		
TOTAL	19	51	53	62	89	185	274	190.8	204.0	1.2	1.2	21	51	30	48	79	150	229	166.8	182.0		

† includes 12 non-malignant in males and 17 non-malignant in females

Please consult the quality indicators for this registry

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	Age group	Males	Females
Person-years	0	68 349	64 350
	1-4	265 443	250 181
	5-9	318 434	300 527
	10-14	322 027	303 106
	15-19	356 578	336 866
Total	0-14	974 253	918 164
	0-19	1 330 831	1 255 030
Average annual population	0-14	42 359	39 920
	0-19	57 862	54 567

Please consult the quality indicators for this registry