

ITALY, Sassari (1992-2011)

	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	3	25	18	20	23	66	89	29.6	100.0	23.4	100.0	38.1	77.6	41.9	41.5	40.6	52.6	49.9	766	969	97.8	2.2
a. Lymphoid	1	22	12	17	15	52	67	23.3	78.8	17.6	75.3	12.7	68.3	27.9	35.3	26.5	41.4	38.1	603	735	100.0	0.0
b. Acute myeloid	2	2	5	3	5	12	17	5.4	18.2	4.5	19.1	25.4	6.2	11.6	6.2	8.8	9.4	9.3	139	183	100.0	0.0
c. CMD	0	0	1	0	1	1	2	0.4	1.5	0.5	2.2	-	-	2.3	-	1.8	0.8	1.0	12	20	100.0	0.0
d. MDS & other	0	1	0	0	0	1	1	0.4	1.5	0.3	1.1	-	3.1	-	-	-	1.0	0.7	12	12	100.0	0.0
e. Unspecified	0	0	0	0	2	0	2	-	-	0.5	2.2	-	-	-	-	3.5	-	0.8	-	18	0.0	100.0
II LYMPHOMA & RELATED	0	8	9	23	39	40	79	17.9	100.0	20.7	100.0	-	24.8	20.9	47.7	68.8	28.3	37.4	443	787	98.7	0.0
a. Hodgkin	0	1	3	13	28	17	45	7.6	42.5	11.8	57.0	-	3.1	7.0	27.0	49.4	11.0	19.7	182	429	100.0	0.0
b. Non-Hodgkin except BL	0	2	4	6	9	12	21	5.4	30.0	5.5	26.6	-	6.2	9.3	12.4	15.9	8.5	10.2	134	213	100.0	0.0
c. Burkitt (BL)	0	2	1	2	0	5	5	2.2	12.5	1.3	6.3	-	6.2	2.3	4.1	-	3.9	3.0	57	57	100.0	0.0
d. Lymphoreticular	0	3	1	1	1	5	6	2.2	12.5	1.6	7.6	-	9.3	2.3	2.1	1.8	4.2	3.7	59	68	100.0	0.0
e. Unspecified	0	0	0	1	1	1	2	0.4	2.5	0.5	2.5	-	-	-	2.1	1.8	0.6	0.9	10	19	50.0	0.0
III CNS NEOPLASMS †	3	15	19	14	20	51	71	22.9	100.0	18.6	100.0	38.1	46.6	44.2	29.0	35.3	40.1	39.0	591	767	54.9	7.0
a. Ependymoma	0	0	3	1	0	4	4	1.8	7.8	1.0	5.6	-	-	7.0	2.1	-	2.9	2.2	45	45	100.0	0.0
b. Astrocytoma	2	0	3	2	5	7	12	3.1	13.7	3.1	16.9	25.4	-	7.0	4.1	8.8	5.4	6.2	81	125	100.0	0.0
c. CNS embryonal	0	3	2	0	1	5	6	2.2	9.8	1.6	8.5	-	9.3	4.7	-	1.8	4.4	3.8	61	70	100.0	0.0
d. Other gliomas	0	1	1	1	1	3	4	1.3	5.9	1.0	5.6	-	3.1	2.3	2.1	1.8	2.3	2.2	34	43	100.0	0.0
e. Other specified	0	2	1	0	3	3	6	1.3	5.9	1.6	8.5	-	6.2	2.3	-	5.3	2.7	3.3	37	63	100.0	0.0
f. Unspecified CNS	1	9	9	10	10	29	39	13.0	56.9	10.2	54.9	12.7	27.9	20.9	20.7	17.6	22.4	21.4	333	421	17.9	12.8
IV NEUROBLASTOMA	3	9	1	0	0	13	13	5.8	100.0	3.4	100.0	38.1	27.9	2.3	-	-	12.3	9.6	161	161	92.3	0.0
a. (Ganglio)neuroblastoma	3	9	1	0	0	13	13	5.8	100.0	3.4	100.0	38.1	27.9	2.3	-	-	12.3	9.6	161	161	92.3	0.0
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V RETINOBLASTOMA	2	2	0	0	0	4	4	1.8	100.0	1.0	100.0	25.4	6.2	-	-	-	3.9	3.0	50	50	100.0	0.0
VI RENAL TUMOURS	0	6	3	1	2	10	12	4.5	100.0	3.1	100.0	-	18.6	7.0	2.1	3.5	8.6	7.5	120	138	100.0	0.0
a. Nephroblastoma	0	5	3	1	0	9	9	4.0	90.0	2.4	75.0	-	15.5	7.0	2.1	-	7.7	6.0	108	108	100.0	0.0
b. Renal carcinoma	0	1	0	0	2	1	3	0.4	10.0	0.8	25.0	-	3.1	-	-	3.5	1.0	1.5	12	30	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	2	2	0	0	0	4	4	1.8	100.0	1.0	100.0	25.4	6.2	-	-	-	3.9	3.0	50	50	75.0	0.0
a. Hepatoblastoma	2	0	0	0	0	2	2	0.9	50.0	0.5	50.0	25.4	-	-	-	-	1.9	1.5	25	25	100.0	0.0
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Unspecified	0	2	0	0	0	2	2	0.9	50.0	0.5	50.0	-	6.2	-	-	-	1.9	1.5	25	25	50.0	0.0
VIII BONE TUMOURS	0	2	3	2	12	7	19	3.1	100.0	5.0	100.0	-	6.2	7.0	4.1	21.2	5.4	8.9	81	186	100.0	0.0
a. Osteosarcoma	0	1	1	0	4	2	6	0.9	28.6	1.6	31.6	-	3.1	2.3	-	7.1	1.7	2.9	24	59	100.0	0.0
b. Chondrosarcoma	0	0	0	0	2	0	2	-	-	0.5	10.5	-	-	-	-	3.5	-	0.8	-	18	100.0	0.0
c. Ewing & related	0	1	2	2	3	5	8	2.2	71.4	2.1	42.1	-	3.1	4.7	4.1	5.3	3.7	4.0	56	83	100.0	0.0
d. Other specified	0	0	0	0	1	0	1	-	-	0.3	5.3	-	-	-	-	1.8	-	0.4	-	9	100.0	0.0
e. Unspecified	0	0	0	0	2	0	2	-	-	0.5	10.5	-	-	-	-	3.5	-	0.8	-	18	100.0	0.0
IX SOFT TISSUE SARCOMA	0	2	3	4	9	9	18	4.0	100.0	4.7	100.0	-	6.2	7.0	8.3	15.9	6.6	8.7	101	181	100.0	0.0
a. Rhabdomyosarcoma	0	2	0	3	4	5	9	2.2	55.6	2.4	50.0	-	6.2	-	6.2	7.1	3.7	4.5	56	91	100.0	0.0
b. Fibrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	0	0	3	1	5	4	9	1.8	44.4	2.4	50.0	-	-	7.0	2.1	8.8	2.9	4.2	45	89	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
X GERM CELL TUMOURS	0	0	0	2	21	2	23	0.9	100.0	6.0	100.0	-	-	-	4.1	37.1	1.2	9.3	21	206	100.0	0.0
a. CNS germ cell	0	0	0	1	0	1	1	0.4	50.0	0.3	4.3	-	-	-	2.1	-	0.6	0.5	10	10	100.0	0.0
b. Other extragonadal	0	0	0	1	0	1	1	0.4	50.0	0.3	4.3	-	-	-	2.1	-	0.6	0.5	10	10	100.0	0.0
c. Gonadal germ cell	0	0	0	0	17	0	17	-	-	4.5	73.9	-	-	-	-	30.0	-	6.7	-	150	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	3	0	3	-	-	0.8	13.0	-	-	-	-	5.3	-	1.2	-	26	100.0	0.0
e. Unspecified gonadal	0	0	0	0	1	0	1	-	-	0.3	4.3	-	-	-	-	1.8	-	0.4	-	9	100.0	0.0
XI CARCINOMA & MELANOMA	0	0	0	9	28	9	37	4.0	100.0	9.7	100.0	-	-	-	18.7	49.4	5.4	15.3	93	340	100.0	0.0
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Thyroid	0	0	0	3	20	3	23	1.3	33.3	6.0	62.2	-	-	-	6.2	35.3	1.8	9.3	31	208	100.0	0.0
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Melanoma	0	0	0	1	4	1	5	0.4	11.1	1.3	13.5	-	-	-	2.1	7.1	0.6	2.1	10	46	100.0	0.0
e. Skin carcinoma	0	0	0	3	3	3	6	1.3	33.3	1.6	16.2	-	-	-	6.2	5.3	1.8	2.6	31	58	100.0	0.0
f. Other & unspecified	0	0	0	2	1	2	3	0.9	22.2	0.8	8.1	-	-	-	4.1	1.8	1.2	1.3	21	30	100.0	0.0
XII OTHER & UNSPECIFIED	2	2	1	3	4	8	12	3.6	100.0	3.1	100.0	25.4	6.2	2.3	6.2	7.1	6.4	6.6	93	128	75.0	16.7
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Other unspecified	2	2	1	3	4	8	12	3.6	100.0	3.1	100.0	25.4	6.2	2.3	6.2	7.1	6.4	6.6	93	128	75.0	16.7
TOTAL	15	73	57	78	158	223	381	100.0	100.0	100.0	100.0	190.5	226.6	132.6	161.7	278.8	174.7	198.1	2569	3963	89.5	2.4

† includes 22 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	0	17	12	12	12	41	53	63.4	58.4	1.6	1.5	3	8	6	8	11	25	36	41.1	40.8		
a. Lymphoid	0	15	8	9	8	32	40	50.3	45.2	1.6	1.5	1	7	4	8	7	20	27	32.0	30.5		
b. Acute myeloid	0	2	3	3	3	8	11	11.6	11.3	2.0	1.8	2	0	2	0	2	4	6	7.1	7.1		
c. CMD	0	0	1	0	0	1	1	1.5	1.1	-	1.0	0	0	0	0	1	0	1	-	0.8		
d. MDS & other	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	2.0	1.5		
e. Unspecified	0	0	0	0	1	0	1	-	0.8	-	1.0	0	0	0	0	1	0	1	-	0.8		
II LYMPHOMA & RELATED	0	7	7	13	25	27	52	38.5	49.2	2.1	1.9	0	1	2	10	14	13	27	17.5	25.0		
a. Hodgkin	0	1	2	9	18	12	30	15.3	25.8	2.4	2.0	0	0	1	4	10	5	15	6.5	13.2		
b. Non-Hodgkin except BL	0	2	4	2	7	8	15	11.9	14.6	2.0	2.5	0	0	0	4	2	4	6	5.0	5.5		
c. Burkitt (BL)	0	2	1	1	0	4	4	6.4	4.9	4.0	4.0	0	0	0	1	0	1	1	1.2	1.0		
d. Lymphoreticular	0	2	0	0	0	2	2	3.8	2.9	0.7	0.5	0	1	1	1	1	3	4	4.8	4.5		
e. Unspecified	0	0	0	1	0	1	1	1.2	0.9	-	1.0	0	0	0	0	1	0	1	-	0.8		
III CNS NEOPLASMS †	2	6	7	6	10	21	31	32.2	32.7	0.7	0.8	1	9	12	8	10	30	40	48.4	45.7		
a. Ependymoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	3	1	0	4	4	5.9	4.6		
b. Astrocytoma	1	0	2	0	3	3	6	4.8	6.0	0.8	1.0	1	0	1	2	2	4	6	6.0	6.3		
c. CNS embryonal	0	1	0	0	1	1	2	1.9	2.2	0.3	0.5	0	2	2	0	0	4	4	7.1	5.5		
d. Other gliomas	0	0	0	1	0	1	1	1.2	0.9	0.5	0.3	0	1	1	0	1	2	3	3.5	3.6		
e. Other specified	0	1	1	0	3	2	5	3.3	4.9	2.0	5.0	0	1	0	0	0	1	1	2.0	1.5		
f. Unspecified CNS	1	4	4	5	3	14	17	21.1	18.6	0.9	0.8	0	5	5	5	7	15	22	23.9	24.2		
IV NEUROBLASTOMA	1	5	0	0	0	6	6	11.3	8.7	0.9	0.9	2	4	1	0	0	7	7	13.5	10.4		
a. (Ganglio)neuroblastoma	1	5	0	0	0	6	6	11.3	8.7	0.9	0.9	2	4	1	0	0	7	7	13.5	10.4		
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	3.8	2.9	1.0	1.0	0	2	0	0	0	2	2	4.0	3.1		
VI RENAL TUMOURS	0	2	0	1	0	3	3	4.9	3.8	0.4	0.3	0	4	3	0	2	7	9	12.6	11.4		
a. Nephroblastoma	0	2	0	1	0	3	3	4.9	3.8	0.5	0.5	0	3	3	0	0	6	6	10.6	8.2		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	2	1	3	2.0	3.2		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	1	1	0	0	0	2	2	3.8	2.9	1.0	1.0	1	1	0	0	0	2	2	4.0	3.1		
a. Hepatoblastoma	1	0	0	0	0	1	1	1.9	1.5	1.0	1.0	1	0	0	0	0	1	1	2.0	1.5		
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	0	1	0	0	0	1	1	1.9	1.5	1.0	1.0	0	1	0	0	0	1	1	2.0	1.5		
VIII BONE TUMOURS	0	1	2	1	9	4	13	6.0	11.6	1.3	2.2	0	1	1	1	3	3	6	4.8	6.2		
a. Osteosarcoma	0	0	0	0	3	0	3	-	2.3	0.0	1.0	0	1	1	0	1	2	3	3.5	3.6		
b. Chondrosarcoma	0	0	0	0	2	0	2	-	1.5	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	1	2	1	2	4	6	6.0	6.2	4.0	3.0	0	0	0	1	1	1	2	1.2	1.8		
d. Other specified	0	0	0	0	1	0	1	-	0.8	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	0	1	0	1	-	0.8	-	1.0	0	0	0	0	1	0	1	-	0.8		
IX SOFT TISSUE SARCOMA	0	1	3	2	5	6	11	8.6	10.5	2.0	1.6	0	1	0	2	4	3	7	4.5	6.7		
a. Rhabdomyosarcoma	0	1	0	2	2	3	5	4.2	4.8	1.5	1.3	0	1	0	1	2	2	4	3.2	4.1		
b. Fibrosarcoma	0	0	0	0	0	0	0	-	-	-	-	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	3	0	3	3	6	4.4	5.7	3.0	2.0	0	0	0	1	2	1	3	1.2	2.6		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
X GERM CELL TUMOURS	0	0	0	1	14	1	15	1.2	11.7	1.0	1.9	0	0	0	1	7	1	8	1.2	6.7		
a. CNS germ cell	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	1.2	1.0		
b. Other extragonadal	0	0	0	1	0	1	1	1.2	0.9	-	-	0	0	0	0	0	0	0	-	-		
c. Gonadal germ cell	0	0	0	0	13	0	13	-	10.0	-	3.3	0	0	0	0	4	0	4	-	3.3		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	3	0	3	-	2.5		
e. Unspecified gonadal	0	0	0	0	1	0	1	-	0.8	-	-	0	0	0	0	0	0	0	-	-		
XI CARCINOMA & MELANOMA	0	0	0	5	7	5	12	5.8	9.9	1.3	0.5	0	0	0	4	21	4	25	5.0	21.0		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	0	2	3	2	5	2.3	4.1	2.0	0.3	0	0	0	1	17	1	18	1.2	14.8		
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	0	0	0	0	3	0	3	-	2.3	0.0	1.5	0	0	0	1	1	1	2	1.2	1.8		
e. Skin carcinoma	0	0	0	2	0	2	2	2.3	1.8	2.0	0.5	0	0	0	1	3	1	4	1.2	3.4		
f. Other & unspecified	0	0	0	1	1	1	2	1.2	1.7	1.0	2.0	0	0	0	1	0	1	1	1.2	1.0		
XII OTHER & UNSPECIFIED	2	1	1	2	1	6	7	9.4	8.1	3.0	1.4	0	1	0	1	3	2	5	3.2	5.0		
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	2	1	1	2	1	6	7	9.4	8.1	3.0	1.4	0	1	0	1	3	2	5	3.2	5.0		
TOTAL	8	41	32	43	83	124	207	188.9	210.5	1.3	1.2	7	32	25	35	75	99	174	159.7	185.0		

† includes 11 non-malignant in males and 11 non-malignant in females

Please consult the quality indicators for this registry

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	Age group	Males	Females
Person-years	0	40 505	38 227
	1-4	165 683	156 498
	5-9	221 291	208 507
	10-14	248 545	233 724
	15-19	291 325	275 431
Total	0-14	676 024	636 956
	0-19	967 349	912 387
Average annual population	0-14	33 801	31 848
	0-19	48 367	45 619

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