

ITALY, Turin (1992-2012)

	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	ASR			0-19	0-14
I LEUKAEMIA	4	57	33	32	24	126	150	35.3	100.0	27.8	100.0	26.5	94.3	46.5	45.2	30.1	59.4	52.8	862	1013	100.0	0.0
a. Lymphoid	3	55	29	19	13	106	119	29.7	84.1	22.0	79.3	19.8	91.0	40.9	26.8	16.3	50.7	43.0	722	804	100.0	0.0
b. Acute myeloid	0	2	3	11	7	16	23	4.5	12.7	4.3	15.3	-	3.3	4.2	15.5	8.8	6.9	7.3	112	156	100.0	0.0
c. CMD	0	0	0	1	3	1	4	0.3	0.8	0.7	2.7	-	-	-	1.4	3.8	0.4	1.2	7	26	100.0	0.0
d. MDS & other	1	0	0	1	0	2	2	0.6	1.6	0.4	1.3	6.6	-	-	1.4	-	0.9	0.7	14	14	100.0	0.0
e. Unspecified	0	0	1	0	1	1	2	0.3	0.8	0.4	1.3	-	-	1.4	-	1.3	0.5	0.6	7	13	100.0	0.0
II LYMPHOMA & RELATED	0	7	10	29	60	46	106	12.9	100.0	19.6	100.0	-	11.6	14.1	40.9	75.3	20.0	32.5	321	698	100.0	0.0
a. Hodgkin	0	2	5	18	39	25	64	7.0	54.3	11.9	60.4	-	3.3	7.0	25.4	49.0	10.7	19.3	176	420	100.0	0.0
b. Non-Hodgkin except BL	0	3	2	6	18	11	29	3.1	23.9	5.4	27.4	-	5.0	2.8	8.5	22.6	4.9	8.9	76	189	100.0	0.0
c. Burkitt (BL)	0	1	3	5	1	9	10	2.5	19.6	1.9	9.4	-	1.7	4.2	7.1	1.3	3.9	3.3	63	69	100.0	0.0
d. Lymphoreticular	0	1	0	0	0	1	1	0.3	2.2	0.2	0.9	-	1.7	-	-	-	0.5	0.4	7	7	100.0	0.0
e. Unspecified	0	0	0	0	2	0	2	-	-	0.4	1.9	-	-	-	-	2.5	-	0.6	-	13	100.0	0.0
III CNS NEOPLASMS	1	17	19	15	14	52	66	14.6	100.0	12.2	100.0	6.6	28.1	26.8	21.2	17.6	24.0	22.6	359	447	80.3	0.0
a. Ependymoma	0	4	3	3	1	10	11	2.8	19.2	2.0	16.7	-	6.6	4.2	4.2	1.3	4.6	3.9	69	75	100.0	0.0
b. Astrocytoma	1	3	5	2	6	11	17	3.1	21.2	3.1	25.8	6.6	5.0	7.0	2.8	7.5	5.1	5.7	76	113	94.1	0.0
c. CNS embryonal	0	7	5	3	2	15	17	4.2	28.8	3.1	25.8	-	11.6	7.0	4.2	2.5	7.1	6.1	103	115	100.0	0.0
d. Other gliomas	0	0	2	3	3	5	8	1.4	9.6	1.5	12.1	-	-	2.8	4.2	3.8	2.1	2.5	35	54	87.5	0.0
e. Other specified	0	0	0	1	0	1	1	0.3	1.9	0.2	1.5	-	-	-	1.4	-	0.4	0.3	7	7	100.0	0.0
f. Unspecified CNS	0	3	4	3	2	10	12	2.8	19.2	2.2	18.2	-	5.0	5.6	4.2	2.5	4.6	4.1	69	82	8.3	0.0
IV NEUROBLASTOMA	11	21	4	2	1	38	39	10.6	100.0	7.2	100.0	72.7	34.8	5.6	2.8	1.3	19.0	15.0	254	260	100.0	0.0
a. (Ganglio)neuroblastoma	11	21	3	0	0	35	35	9.8	92.1	6.5	89.7	72.7	34.8	4.2	-	-	17.8	13.8	233	233	100.0	0.0
b. Peripheral nervous	0	0	1	2	1	3	4	0.8	7.9	0.7	10.3	-	-	1.4	2.8	1.3	1.3	1.3	21	27	100.0	0.0
V RETINOBLASTOMA	6	5	0	0	0	11	11	3.1	100.0	2.0	100.0	39.7	8.3	-	-	-	5.6	4.4	73	73	72.7	0.0
VI RENAL TUMOURS	4	10	3	3	1	20	21	5.6	100.0	3.9	100.0	26.5	16.5	4.2	4.2	1.3	9.8	7.9	135	141	95.0	0.0
a. Nephroblastoma	4	9	3	2	0	18	18	5.0	90.0	3.3	85.7	26.5	14.9	4.2	2.8	-	8.8	6.9	121	121	100.0	0.0
b. Renal carcinoma	0	0	0	1	0	1	1	0.3	5.0	0.2	4.8	-	-	-	1.4	-	0.4	0.3	7	7	100.0	0.0
c. Unspecified	0	1	0	0	1	2	2	0.3	5.0	0.4	9.5	-	1.7	-	-	1.3	0.5	0.7	7	13	0.0	0.0
VII HEPATIC TUMOURS	2	2	0	0	1	4	5	1.1	100.0	0.9	100.0	13.2	3.3	-	-	1.3	2.0	1.9	26	33	100.0	0.0
a. Hepatoblastoma	2	2	0	0	0	4	4	1.1	100.0	0.7	80.0	13.2	3.3	-	-	-	2.0	1.6	26	26	100.0	0.0
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	-	0.2	20.0	-	-	-	-	1.3	-	0.3	-	6	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	1	4	11	10	16	26	4.5	100.0	4.8	100.0	-	1.7	5.6	15.5	12.6	6.8	8.1	112	175	100.0	0.0
a. Osteosarcoma	0	0	1	4	4	5	9	1.4	31.3	1.7	34.6	-	-	1.4	5.6	5.0	2.1	2.8	35	60	100.0	0.0
b. Chondrosarcoma	0	0	0	0	1	0	1	-	-	0.2	3.8	-	-	-	-	1.3	-	0.3	-	6	100.0	0.0
c. Ewing & related	0	1	3	6	5	10	15	2.8	62.5	2.8	57.7	-	1.7	4.2	8.5	6.3	4.3	4.8	70	101	100.0	0.0
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	0	0	0	1	0	1	1	0.3	6.3	0.2	3.8	-	-	-	1.4	-	0.4	0.3	7	7	100.0	0.0
IX SOFT TISSUE SARCOMA	1	9	2	4	12	16	28	4.5	100.0	5.2	100.0	6.6	14.9	2.8	5.6	15.1	7.7	9.3	109	184	100.0	0.0
a. Rhabdomyosarcoma	1	7	0	2	2	10	12	2.8	62.5	2.2	42.9	6.6	11.6	-	2.8	2.5	4.9	4.4	67	80	100.0	0.0
b. Fibrosarcoma	0	1	0	0	5	1	6	0.3	6.3	1.1	21.4	-	1.7	-	-	6.3	0.5	1.8	7	38	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	0	1	2	0	4	3	7	0.8	18.8	1.3	25.0	-	1.7	2.8	-	5.0	1.4	2.2	21	46	100.0	0.0
e. Unspecified	0	0	0	2	1	2	3	0.6	12.5	0.6	10.7	-	-	-	2.8	1.3	0.8	0.9	14	20	100.0	0.0
X GERM CELL TUMOURS	1	1	2	5	23	9	32	2.5	100.0	5.9	100.0	6.6	1.7	2.8	7.1	28.9	4.0	9.6	63	207	100.0	0.0
a. CNS germ cell	0	0	1	2	0	3	3	0.8	33.3	0.6	9.4	-	-	1.4	2.8	-	1.3	1.0	21	21	100.0	0.0
b. Other extragonadal	1	0	1	0	0	2	2	0.6	22.2	0.4	6.3	6.6	-	1.4	-	-	1.0	0.7	14	14	100.0	0.0
c. Gonadal germ cell	0	1	0	3	21	4	25	1.1	44.4	4.6	78.1	-	1.7	-	4.2	26.4	1.7	7.3	28	160	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	2	0	2	-	-	0.4	6.3	-	-	-	-	2.5	-	0.6	-	13	100.0	0.0
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI CARCINOMA & MELANOMA	1	1	4	13	37	19	56	5.3	100.0	10.4	100.0	6.6	1.7	5.6	18.3	46.4	8.2	16.8	133	365	100.0	0.0
a. Adrenocortical	1	1	0	0	0	2	2	0.6	10.5	0.4	3.6	6.6	1.7	-	-	-	1.0	0.8	13	13	100.0	0.0
b. Thyroid	0	0	3	6	18	9	27	2.5	47.4	5.0	48.2	-	-	4.2	8.5	22.6	3.8	8.0	63	176	100.0	0.0
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Melanoma	0	0	1	1	12	2	14	0.6	10.5	2.6	25.0	-	-	1.4	1.4	15.1	0.9	4.1	14	89	100.0	0.0
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f. Other & unspecified	0	0	0	6	7	6	13	1.7	31.6	2.4	23.2	-	-	-	8.5	8.8	2.5	3.9	42	86	100.0	0.0
XII OTHER & UNSPECIFIED	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b. Other unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	31	131	81	114	183	357	540	100.0	100.0	100.0	100.0	205.0	216.8	114.2	160.9	229.7	166.5	180.8	2447	3596	96.7	0.0

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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	4	25	23	14	16	66	82	60.4	55.5	1.1	1.2	0	32	10	18	8	60	68	58.3	49.9		
a. Lymphoid	3	25	20	10	10	58	68	53.5	47.0	1.2	1.3	0	30	9	9	3	48	51	47.7	38.7		
b. Acute myeloid	0	0	3	3	3	6	9	5.0	5.6	0.6	0.6	0	2	0	8	4	10	14	8.9	9.2		
c. CMD	0	0	0	1	2	1	3	0.8	1.7	-	3.0	0	0	0	0	1	0	1	-	0.6		
d. MDS & other	1	0	0	0	0	1	1	1.0	0.8	1.0	1.0	0	0	0	1	0	1	1	0.8	0.7		
e. Unspecified	0	0	0	0	1	0	1	-	0.5	0.0	1.0	0	0	1	0	0	1	1	0.9	0.7		
II LYMPHOMA & RELATED	0	4	10	16	36	30	66	25.6	39.5	1.9	1.6	0	3	0	13	24	16	40	14.1	24.9		
a. Hodgkin	0	2	5	12	22	19	41	16.0	24.4	3.2	1.8	0	0	0	6	17	6	23	5.1	13.8		
b. Non-Hodgkin except BL	0	2	2	3	11	7	18	6.2	10.8	1.8	1.6	0	1	0	3	7	4	11	3.6	6.9		
c. Burkitt (BL)	0	0	3	1	1	4	5	3.4	3.2	0.8	1.0	0	1	0	4	0	5	5	4.4	3.4		
d. Lymphoreticular	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	1.1	0.8		
e. Unspecified	0	0	0	0	2	0	2	-	1.1	-	-	0	0	0	0	0	0	0	-	-		
III CNS NEOPLASMS	0	10	11	8	9	29	38	26.1	25.1	1.3	1.4	1	7	8	7	5	23	28	21.8	19.8		
a. Ependymoma	0	0	1	0	1	1	2	0.9	1.2	0.1	0.2	0	4	2	3	0	9	9	8.6	6.7		
b. Astrocytoma	0	2	2	2	4	6	10	5.4	6.3	1.2	1.4	1	1	3	0	2	5	7	4.9	5.0		
c. CNS embryonal	0	6	4	3	2	13	15	11.9	10.3	6.5	7.5	0	1	1	0	0	2	2	2.0	1.5		
d. Other gliomas	0	0	1	1	0	2	2	1.7	1.3	0.7	0.3	0	0	1	2	3	3	6	2.6	3.8		
e. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.8	0.7		
f. Unspecified CNS	0	2	3	2	2	7	9	6.2	5.9	2.3	3.0	0	1	1	1	0	3	3	2.8	2.2		
IV NEUROBLASTOMA	6	13	1	2	1	22	23	21.4	17.1	1.4	1.4	5	8	3	0	0	16	16	16.5	12.8		
a. (Ganglio)neuroblastoma	6	13	1	0	0	20	20	19.8	15.4	1.3	1.3	5	8	2	0	0	15	15	15.6	12.1		
b. Peripheral nervous	0	0	0	2	1	2	3	1.6	1.8	2.0	3.0	0	0	1	0	0	1	1	0.9	0.7		
V RETINOBLASTOMA	5	3	0	0	0	8	8	8.0	6.2	2.7	2.7	1	2	0	0	0	3	3	3.2	2.5		
VI RENAL TUMOURS	2	6	3	1	1	12	13	11.4	9.4	1.5	1.6	2	4	0	2	0	8	8	8.0	6.2		
a. Nephroblastoma	2	5	3	1	0	11	11	10.4	8.1	1.6	1.6	2	4	0	1	0	7	7	7.2	5.6		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.8	0.7		
c. Unspecified	0	1	0	0	1	1	2	1.0	1.3	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	1	1	0	0	1	2	3	2.0	2.1	1.0	1.5	1	1	0	0	0	2	2	2.1	1.6		
a. Hepatoblastoma	1	1	0	0	0	2	2	2.0	1.5	1.0	1.0	1	1	0	0	0	2	2	2.1	1.6		
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	0.5	-	-	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	4	7	6	13	5.0	7.7	0.6	1.0	0	1	2	7	3	10	13	8.8	8.6		
a. Osteosarcoma	0	0	1	2	3	3	6	2.5	3.6	1.5	2.0	0	0	0	2	1	2	3	1.7	1.9		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.6		
c. Ewing & related	0	0	1	2	4	3	7	2.5	4.1	0.4	0.9	0	1	2	4	1	7	8	6.3	5.5		
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	1	0	1	1	0.8	0.7		
IX SOFT TISSUE SARCOMA	0	1	1	3	7	5	12	4.3	7.1	0.5	0.8	1	8	1	1	5	11	16	11.3	11.7		
a. Rhabdomyosarcoma	0	0	0	2	2	2	4	1.6	2.3	0.3	0.5	1	7	0	0	0	8	8	8.4	6.5		
b. Fibrosarcoma	0	1	0	0	2	1	3	1.0	1.9	-	1.0	0	0	0	0	3	0	3	-	1.7		
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	0.9	1.8	0.5	0.8	0	1	1	0	2	4	2.0	2.7			
e. Unspecified	0	0	0	1	1	1	2	0.8	1.2	1.0	2.0	0	0	0	1	0	1	1	0.8	0.7		
X GERM CELL TUMOURS	1	1	1	3	18	6	24	5.3	13.9	2.0	3.0	0	0	1	2	5	3	8	2.6	4.9		
a. CNS germ cell	0	0	1	2	0	3	3	2.5	1.9	-	-	0	0	0	0	0	0	0	-	-		
b. Other extragonadal	1	0	0	0	0	1	1	1.0	0.8	1.0	1.0	0	0	1	0	0	1	1	0.9	0.7		
c. Gonadal germ cell	0	1	0	1	17	2	19	1.8	10.7	1.0	3.2	0	0	0	2	4	2	6	1.7	3.6		
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	0.5	-	1.0	0	0	0	0	1	0	1	-	0.6		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
XI CARCINOMA & MELANOMA	0	0	3	5	16	8	24	6.6	13.9	0.7	0.8	1	1	1	8	21	11	32	9.8	19.8		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	1	1	0	0	0	2	2	2.1	1.6		
b. Thyroid	0	0	3	1	6	4	10	3.4	6.0	0.8	0.6	0	0	0	5	12	5	17	4.2	10.3		
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	0	0	0	1	8	1	9	0.8	5.0	1.0	1.8	0	0	1	0	4	1	5	0.9	3.1		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	0	3	2	3	5	2.4	2.9	1.0	0.6	0	0	0	3	5	3	8	2.5	4.9		
XII OTHER & UNSPECIFIED	0	0	0	0	0	0	0	-	-	-	-	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	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
TOTAL	19	64	55	56	112	194	306	175.9	197.7	1.2	1.3	12	67	26	58	71	163	234	156.6	162.8		

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	Age group	Males	Females
Person-years	0	77 796	73 422
	1-4	310 872	293 402
	5-9	364 951	344 600
	10-14	364 244	344 236
	15-19	410 911	385 756
Total	0-14	1 117 863	1 055 660
	0-19	1 528 774	1 441 416
Average annual population	0-14	53 232	50 270
	0-19	72 799	68 639

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