

ITALY, Brescia (1999-2012)

	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	0-19
I LEUKAEMIA	5	52	31	18	13	106	119	28.9	100.0	21.3	100.0	31.4	83.3	42.1	25.8	18.4	49.2	42.3	703	795	86.6	0.8	
a. Lymphoid	2	49	27	15	8	93	101	25.3	87.7	18.1	84.9	12.6	78.5	36.7	21.5	11.3	43.3	36.1	616	673	91.1	0.0	
b. Acute myeloid	2	2	2	3	4	9	13	2.5	8.5	2.3	10.9	12.6	3.2	2.7	4.3	5.7	4.1	4.5	61	89	69.2	0.0	
c. CMD	0	1	1	0	0	2	2	0.5	1.9	0.4	1.7	-	1.6	1.4	-	-	0.9	0.7	13	13	50.0	0.0	
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified	1	0	1	0	1	2	3	0.5	1.9	0.5	2.5	6.3	-	1.4	-	1.4	0.9	1.0	13	20	33.3	33.3	
II LYMPHOMA & RELATED	0	6	10	39	56	55	111	15.0	100.0	19.9	100.0	-	9.6	13.6	55.8	79.4	23.5	36.1	385	782	94.6	0.0	
a. Hodgkin	0	2	4	23	34	29	63	7.9	52.7	11.3	56.8	-	3.2	5.4	32.9	48.2	12.3	20.4	204	446	93.7	0.0	
b. Non-Hodgkin except BL	0	1	2	10	20	13	33	3.5	23.6	5.9	29.7	-	1.6	2.7	14.3	28.4	5.5	10.7	91	233	97.0	0.0	
c. Burkitt (BL)	0	2	3	2	2	7	9	1.9	12.7	1.6	8.1	-	3.2	4.1	2.9	2.8	3.1	3.1	47	62	100.0	0.0	
d. Lymphoreticular	0	1	0	1	0	2	2	0.5	3.6	0.4	1.8	-	1.6	-	1.4	-	0.9	0.7	14	14	100.0	0.0	
e. Unspecified	0	0	1	3	0	4	4	1.1	7.3	0.7	3.6	-	-	1.4	4.3	-	1.7	1.3	28	28	75.0	0.0	
III CNS NEOPLASMS	3	18	26	16	12	63	75	17.2	100.0	13.4	100.0	18.8	28.8	35.3	22.9	17.0	28.4	25.9	425	510	48.0	4.0	
a. Ependymoma	0	1	0	1	0	2	2	0.5	3.2	0.4	2.7	-	1.6	-	1.4	-	0.9	0.7	14	14	100.0	0.0	
b. Astrocytoma	0	1	6	2	2	9	11	2.5	14.3	2.0	14.7	-	1.6	8.2	2.9	2.8	4.0	3.7	61	76	72.7	0.0	
c. CNS embryonal	3	2	5	4	1	14	15	3.8	22.2	2.7	20.0	18.8	3.2	6.8	5.7	1.4	6.3	5.2	94	102	93.3	0.0	
d. Other gliomas	0	2	0	3	1	5	6	1.4	7.9	1.1	8.0	-	3.2	-	4.3	1.4	2.2	2.1	34	41	83.3	0.0	
e. Other specified	0	1	1	1	2	3	5	0.8	4.8	0.9	6.7	-	1.6	1.4	1.4	2.8	1.3	1.7	20	35	100.0	0.0	
f. Unspecified CNS	0	11	14	5	6	30	36	8.2	47.6	6.4	48.0	-	17.6	19.0	7.2	8.5	13.6	12.5	201	244	5.6	8.3	
IV NEUROBLASTOMA	12	11	4	1	0	28	28	7.6	100.0	5.0	100.0	75.3	17.6	5.4	1.4	-	13.5	10.5	181	181	96.4	0.0	
a. (Ganglio)neuroblastoma	12	11	4	1	0	28	28	7.6	100.0	5.0	100.0	75.3	17.6	5.4	1.4	-	13.5	10.5	181	181	96.4	0.0	
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V RETINOBLASTOMA	2	0	0	0	0	2	2	0.5	100.0	0.4	100.0	12.6	-	-	-	-	1.0	0.8	13	13	50.0	0.0	
VI RENAL TUMOURS	5	12	6	0	0	23	23	6.3	100.0	4.1	100.0	31.4	19.2	8.2	-	-	11.0	8.5	149	149	73.9	0.0	
a. Nephroblastoma	4	10	3	0	0	17	17	4.6	73.9	3.0	73.9	25.1	16.0	4.1	-	-	8.2	6.4	110	110	100.0	0.0	
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
c. Unspecified	1	2	3	0	0	6	6	1.6	26.1	1.1	26.1	6.3	3.2	4.1	-	-	2.8	2.2	40	40	0.0	0.0	
VII HEPATIC TUMOURS	2	3	0	0	1	5	6	1.4	100.0	1.1	100.0	12.6	4.8	-	-	1.4	2.5	2.2	32	39	83.3	0.0	
a. Hepatoblastoma	2	2	0	0	0	4	4	1.1	80.0	0.7	66.7	12.6	3.2	-	-	-	2.0	1.5	26	26	100.0	0.0	
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	-	0.2	16.7	-	-	-	1.4	-	-	0.3	-	7	7	100.0	0.0
c. Unspecified	0	1	0	0	0	1	1	0.3	20.0	0.2	16.7	-	1.6	-	-	-	0.5	0.4	6	6	0.0	0.0	
VIII BONE TUMOURS	1	1	7	11	17	20	37	5.4	100.0	6.6	100.0	6.3	1.6	9.5	15.7	24.1	8.6	12.1	139	260	78.4	0.0	
a. Osteosarcoma	0	0	2	4	8	6	14	1.6	30.0	2.5	37.8	-	-	2.7	5.7	11.3	2.5	4.5	42	99	100.0	0.0	
b. Chondrosarcoma	0	0	0	1	0	1	1	0.3	5.0	0.2	2.7	-	-	-	1.4	-	0.4	0.3	7	7	100.0	0.0	
c. Ewing & related	0	1	4	4	5	9	14	2.5	45.0	2.5	37.8	-	1.6	5.4	5.7	7.1	3.9	4.6	62	98	85.7	0.0	
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified	1	0	1	2	4	4	8	1.1	20.0	1.4	21.6	6.3	-	1.4	2.9	5.7	1.8	2.6	27	56	25.0	0.0	
IX SOFT TISSUE SARCOMA	2	4	7	10	12	23	35	6.3	100.0	6.3	100.0	12.6	6.4	9.5	14.3	17.0	10.2	11.7	157	242	94.3	0.0	
a. Rhabdomyosarcoma	0	2	3	3	1	8	9	2.2	34.8	1.6	25.7	-	3.2	4.1	4.3	1.4	3.5	3.1	55	62	100.0	0.0	
b. Fibrosarcoma	0	0	1	0	2	1	3	0.3	4.3	0.5	8.6	-	-	1.4	-	2.8	0.4	1.0	7	21	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	2	1	2	6	7	11	18	3.0	47.8	3.2	51.4	12.6	1.6	2.7	8.6	9.9	4.9	6.0	76	125	88.9	0.0	
e. Unspecified	0	1	1	1	2	3	5	0.8	13.0	0.9	14.3	-	1.6	1.4	1.4	2.8	1.3	1.7	20	35	100.0	0.0	
X GERM CELL TUMOURS	1	2	1	5	17	9	26	2.5	100.0	4.7	100.0	6.3	3.2	1.4	7.2	24.1	4.0	8.5	62	182	100.0	0.0	
a. CNS germ cell	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Other extragonadal	1	0	0	0	0	1	1	0.3	11.1	0.2	3.8	6.3	-	-	-	-	0.5	0.4	6	6	100.0	0.0	
c. Gonadal germ cell	0	2	1	4	17	7	24	1.9	77.8	4.3	92.3	-	3.2	1.4	5.7	24.1	3.1	7.8	48	169	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified gonadal	0	0	0	1	0	1	1	0.3	11.1	0.2	3.8	-	-	-	1.4	-	0.4	0.3	7	7	100.0	0.0	
XI CARCINOMA & MELANOMA	0	1	3	13	46	17	63	4.6	100.0	11.3	100.0	-	1.6	4.1	18.6	65.3	7.2	20.3	120	446	96.8	0.0	
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Thyroid	0	1	1	6	29	8	37	2.2	47.1	6.6	58.7	-	1.6	1.4	8.6	41.1	3.4	11.9	56	262	94.6	0.0	
c. Nasopharyngeal	0	0	0	0	2	0	2	-	-	0.4	3.2	-	-	-	2.8	-	0.6	-	14	14	100.0	0.0	
d. Melanoma	0	0	0	1	7	1	8	0.3	5.9	1.4	12.7	-	-	-	1.4	9.9	0.4	2.6	7	57	100.0	0.0	
e. Skin carcinoma	0	0	1	3	3	4	7	1.1	23.5	1.3	11.1	-	-	1.4	4.3	4.3	1.7	2.3	28	50	100.0	0.0	
f. Other & unspecified	0	0	1	3	5	4	9	1.1	23.5	1.6	14.3	-	-	1.4	4.3	7.1	1.7	2.9	28	64	100.0	0.0	
XII OTHER & UNSPECIFIED	6	3	3	4	18	16	34	4.4	100.0	6.1	100.0	37.7	4.8	4.1	5.7	25.5	7.4	11.5	106	234	17.6	5.9	
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Other unspecified	6	3	3	4	18	16	34	4.4	100.0	6.1	100.0	37.7	4.8	4.1	5.7	25.5	7.4	11.5	106	234	17.6	5.9	
TOTAL	39	113	98	117	192	367	559	100.0	100.0	100.0	100.0	244.7	181.1	133.1	167.4	272.4	166.7	190.4	2473	3835	80.3	1.1	

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	1	33	20	9	9	63	72	57.0	49.7	1.5	1.5	4	19	11	9	4	43	47	41.0	34.5		
a. Lymphoid	0	32	18	8	6	58	64	52.6	44.4	1.7	1.7	2	17	9	7	2	35	37	33.4	27.2		
b. Acute myeloid	0	1	2	1	2	4	6	3.5	3.9	0.8	0.9	2	1	0	2	2	5	7	4.8	5.0		
c. CMD	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	1	0	0	2	2	1.9	1.5		
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	1	0	0	0	1	1	2	1.0	1.4	1.0	2.0	0	0	1	0	0	1	1	0.9	0.7		
II LYMPHOMA & RELATED	0	4	7	21	24	32	56	26.7	35.4	1.4	1.0	0	2	3	18	32	23	55	20.2	36.9		
a. Hodgkin	0	2	3	11	8	16	24	13.3	15.2	1.2	0.6	0	0	1	12	26	13	39	11.2	26.0		
b. Non-Hodgkin except BL	0	1	2	7	14	10	24	8.3	15.0	3.3	2.7	0	0	0	3	6	3	9	2.6	6.0		
c. Burkitt (BL)	0	1	2	2	2	5	7	4.3	4.5	2.5	3.5	0	1	1	0	0	2	2	1.9	1.5		
d. Lymphoreticular	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	1	0	2	2	1.9	1.5		
e. Unspecified	0	0	0	1	0	1	1	0.8	0.6	0.3	0.3	0	0	1	2	0	3	3	2.6	2.0		
III CNS NEOPLASMS	2	10	15	9	7	36	43	31.6	28.8	1.3	1.3	1	8	11	7	5	27	32	25.1	22.8		
a. Ependymoma	0	0	0	1	0	1	1	0.8	0.6	1.0	1.0	0	1	0	0	0	1	1	1.0	0.8		
b. Astrocytoma	0	1	1	0	0	2	2	1.8	1.4	0.3	0.2	0	0	5	2	2	7	9	6.2	6.2		
c. CNS embryonal	2	2	4	3	0	11	11	9.7	7.5	3.7	2.8	1	0	1	1	1	3	4	2.8	2.8		
d. Other gliomas	0	1	0	2	1	3	4	2.6	2.6	1.5	2.0	0	1	0	1	0	2	2	1.9	1.5		
e. Other specified	0	1	0	0	2	1	3	1.0	2.0	0.5	1.5	0	0	1	1	0	2	2	1.8	1.4		
f. Unspecified CNS	0	5	10	3	4	18	22	15.7	14.7	1.5	1.6	0	6	4	2	2	12	14	11.4	10.2		
IV NEUROBLASTOMA	5	7	1	1	0	14	14	13.2	10.2	1.0	1.0	7	4	3	0	0	14	14	13.9	10.8		
a. (Ganglio)neuroblastoma	5	7	1	1	0	14	14	13.2	10.2	1.0	1.0	7	4	3	0	0	14	14	13.9	10.8		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	1	0	0	0	0	1	1	1.0	0.7	1.0	1.0	1	0	0	0	0	1	1	1.0	0.8		
VI RENAL TUMOURS	4	6	2	0	0	12	12	11.3	8.8	1.1	1.1	1	6	4	0	0	11	11	10.7	8.3		
a. Nephroblastoma	3	6	1	0	0	10	10	9.5	7.4	1.4	1.4	1	4	2	0	0	7	7	6.9	5.3		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	1	0	1	0	0	2	2	1.8	1.4	0.5	0.5	0	2	2	0	0	4	4	3.8	3.0		
VII HEPATIC TUMOURS	1	3	0	0	1	4	5	3.9	3.6	4.0	5.0	1	0	0	0	0	1	1	1.0	0.8		
a. Hepatoblastoma	1	2	0	0	0	3	3	2.9	2.2	3.0	3.0	1	0	0	0	0	1	1	1.0	0.8		
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	0.6	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	0	1	0	0	0	1	1	1.0	0.7	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	1	1	1	8	13	11	24	9.2	15.1	1.2	1.8	0	0	6	3	4	9	13	8.0	8.9		
a. Osteosarcoma	0	0	1	2	6	3	9	2.5	5.6	1.0	1.8	0	0	1	2	2	3	5	2.6	3.4		
b. Chondrosarcoma	0	0	0	1	0	1	1	0.8	0.6	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	1	0	4	3	5	8	4.2	5.1	1.3	1.3	0	0	4	0	2	4	6	3.6	4.1		
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	1	0	0	1	4	2	6	1.8	3.8	1.0	3.0	0	0	1	1	0	2	2	1.8	1.4		
IX SOFT TISSUE SARCOMA	1	2	5	8	5	16	21	13.6	13.6	2.3	1.5	1	2	2	2	7	7	14	6.6	9.7		
a. Rhabdomyosarcoma	0	1	2	2	1	5	6	4.3	3.9	1.7	2.0	0	1	1	1	0	3	3	2.8	2.2		
b. Fibrosarcoma	0	0	1	0	0	1	1	0.9	0.7	-	0.5	0	0	0	0	2	0	2	-	1.3		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	1	0	1	5	3	7	10	5.8	6.4	1.8	1.3	1	1	1	1	4	4	8	3.8	5.6		
e. Unspecified	0	1	1	1	1	3	4	2.6	2.6	-	4.0	0	0	0	0	1	0	1	-	0.7		
X GERM CELL TUMOURS	1	1	0	3	13	5	18	4.3	11.3	1.3	2.3	0	1	1	2	4	4	8	3.6	5.5		
a. CNS germ cell	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other extragonadal	1	0	0	0	0	1	1	1.0	0.7	-	-	0	0	0	0	0	0	0	-	-		
c. Gonadal germ cell	0	1	0	2	13	3	16	2.6	10.0	0.8	2.0	0	1	1	2	4	4	8	3.6	5.5		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified gonadal	0	0	0	1	0	1	1	0.8	0.6	-	-	0	0	0	0	0	0	0	-	-		
XI CARCINOMA & MELANOMA	0	0	2	4	19	6	25	4.9	15.5	0.5	0.7	0	1	1	9	27	11	38	9.7	25.4		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	0	2	12	2	14	1.6	8.6	0.3	0.6	0	1	1	4	17	6	23	5.4	15.4		
c. Nasopharyngeal	0	0	0	0	1	0	1	-	0.6	-	1.0	0	0	0	0	1	0	1	-	0.7		
d. Melanoma	0	0	0	0	4	0	4	-	2.5	0.0	1.0	0	0	0	1	3	1	4	0.9	2.7		
e. Skin carcinoma	0	0	1	1	0	2	2	1.7	1.3	1.0	0.4	0	0	0	2	3	2	5	1.7	3.3		
f. Other & unspecified	0	0	1	1	2	2	4	1.7	2.5	1.0	0.8	0	0	0	2	3	2	5	1.7	3.3		
XII OTHER & UNSPECIFIED	3	2	3	2	8	10	18	9.0	11.9	1.7	1.1	3	1	0	2	10	6	16	5.8	11.1		
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	3	2	3	2	8	10	18	9.0	11.9	1.7	1.1	3	1	0	2	10	6	16	5.8	11.1		
TOTAL	20	69	56	65	99	210	309	185.6	204.6	1.3	1.2	19	44	42	52	93	157	250	146.6	175.4		

Please consult the quality indicators for this registry

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	Age group	Males	Females
Person-years	0	82 020	77 337
	1-4	320 122	303 866
	5-9	378 943	357 157
	10-14	361 089	337 930
	15-19	366 344	338 582
Total	0-14	1 142 174	1 076 290
	0-19	1 508 518	1 414 872
Average annual population	0-14	81 584	76 878
	0-19	107 751	101 062

Please consult the quality indicators for this registry