

ITALY, 2 paediatric registries (1998-2011)

	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	0-19			0-14	0-19
I LEUKAEMIA	15	232	125	104	102	476	578	29.6	100.0	23.9	100.0	26.2	102.1	44.8	37.2	35.4	58.9	53.6	844	1021	99.8	0.0
a. Lymphoid	10	209	105	64	57	388	445	24.1	81.5	18.4	77.0	17.5	92.0	37.6	22.9	19.8	48.6	42.1	688	787	99.8	0.0
b. Acute myeloid	2	16	13	26	32	57	89	3.5	12.0	3.7	15.4	3.5	7.0	4.7	9.3	11.1	6.7	7.7	101	157	100.0	0.0
c. CMD	0	2	4	11	9	17	26	1.1	3.6	1.1	4.5	-	0.9	1.4	3.9	3.1	1.9	2.2	30	46	100.0	0.0
d. MDS & other	3	5	2	3	3	13	16	0.8	2.7	0.7	2.8	5.2	2.2	0.7	1.1	1.0	1.6	1.5	23	28	100.0	0.0
e. Unspecified	0	0	1	0	1	1	2	0.1	0.2	0.1	0.3	-	-	0.4	-	0.3	0.1	0.2	2	4	100.0	0.0
II LYMPHOMA & RELATED	1	27	52	117	263	197	460	12.2	100.0	19.1	100.0	1.7	11.9	18.6	41.9	91.4	22.0	37.6	352	809	99.8	0.0
a. Hodgkin	0	5	21	67	202	93	295	5.8	47.2	12.2	64.1	-	2.2	7.5	24.0	70.2	10.1	23.6	166	517	99.7	0.0
b. Non-Hodgkin except BL	0	13	14	27	48	54	102	3.4	27.4	4.2	22.2	-	5.7	5.0	9.7	16.7	6.2	8.6	96	180	100.0	0.0
c. Burkitt (BL)	0	8	17	22	11	47	58	2.9	23.9	2.4	12.6	-	3.5	6.1	7.9	3.8	5.3	5.0	84	103	100.0	0.0
d. Lymphoreticular	1	1	0	1	2	3	5	0.2	1.5	0.2	1.1	1.7	0.4	-	0.4	0.7	0.4	0.4	5	9	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III CNS NEOPLASMS †	30	135	121	123	100	409	509	25.4	100.0	21.1	100.0	52.5	59.4	43.3	44.0	34.7	49.2	46.0	727	901	86.2	0.0
a. Ependymoma	5	27	9	9	11	50	61	3.1	12.2	2.5	12.0	8.7	11.9	3.2	3.2	3.8	6.3	5.8	88	108	96.7	0.0
b. Astrocytoma	12	47	54	49	35	162	197	10.1	39.6	8.2	38.7	21.0	20.7	19.3	17.5	12.2	19.4	17.7	288	349	92.9	0.0
c. CNS embryonal	8	25	23	14	12	70	82	4.3	17.1	3.4	16.1	14.0	11.0	8.2	5.0	4.2	8.6	7.6	124	145	100.0	0.0
d. Other gliomas	1	5	8	7	11	21	32	1.3	5.1	1.3	6.3	1.7	2.2	2.9	2.5	3.8	2.5	2.8	37	57	62.5	0.0
e. Other specified	3	28	18	36	30	85	115	5.3	20.8	4.8	22.6	5.2	12.3	6.4	12.9	10.4	10.0	10.1	151	203	81.7	0.0
f. Unspecified CNS	1	3	9	8	1	21	22	1.3	5.1	0.9	4.3	1.7	1.3	3.2	2.9	0.3	2.4	2.0	37	39	4.5	0.0
IV NEUROBLASTOMA	65	58	18	2	6	143	149	8.9	100.0	6.2	100.0	113.7	25.5	6.4	0.7	2.1	19.0	15.2	252	262	99.3	0.0
a. (Ganglio)neuroblastoma	65	58	18	1	4	142	146	8.8	99.3	6.0	98.0	113.7	25.5	6.4	0.4	1.4	18.9	15.0	250	257	99.3	0.0
b. Peripheral nervous	0	0	0	1	2	1	3	0.1	0.7	0.1	2.0	-	-	-	0.4	0.7	0.1	0.2	2	5	100.0	0.0
V RETINOBLASTOMA	13	21	0	0	0	34	34	2.1	100.0	1.4	100.0	22.7	9.2	-	-	-	4.6	3.6	60	60	70.6	0.0
VI RENAL TUMOURS	12	48	11	2	3	73	76	4.5	100.0	3.1	100.0	21.0	21.1	3.9	0.7	1.0	9.6	7.7	129	134	100.0	0.0
a. Nephroblastoma	12	48	10	1	0	71	71	4.4	97.3	2.9	93.4	21.0	21.1	3.6	0.4	-	9.4	7.3	125	125	100.0	0.0
b. Renal carcinoma	0	0	1	1	3	2	5	0.1	2.7	0.2	6.6	-	-	0.4	0.4	1.0	0.2	0.4	4	9	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	8	7	4	5	2	24	26	1.5	100.0	1.1	100.0	14.0	3.1	1.4	1.8	0.7	3.0	2.5	42	46	100.0	0.0
a. Hepatoblastoma	8	7	2	1	0	18	18	1.1	75.0	0.7	69.2	14.0	3.1	0.7	0.4	-	2.4	1.8	32	32	100.0	0.0
b. Hepatic carcinoma	0	0	2	4	2	6	8	0.4	25.0	0.3	30.8	-	-	0.7	1.4	0.7	0.6	0.7	11	14	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	2	14	48	46	64	110	4.0	100.0	4.6	100.0	-	0.9	5.0	17.2	16.0	6.9	8.9	114	194	100.0	0.0
a. Osteosarcoma	0	0	9	33	29	42	71	2.6	65.6	2.9	64.5	-	-	3.2	11.8	10.1	4.5	5.7	75	126	100.0	0.0
b. Chondrosarcoma	0	0	0	0	3	0	3	-	-	0.1	2.7	-	-	-	-	1.0	-	0.2	-	5	100.0	0.0
c. Ewing & related	0	2	5	15	14	22	36	1.4	34.4	1.5	32.7	-	0.9	1.8	5.4	4.9	2.4	3.0	39	64	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	7	24	18	29	51	78	129	4.8	100.0	5.3	100.0	12.2	10.6	6.4	10.4	17.7	9.3	11.2	139	227	100.0	0.0
a. Rhabdomyosarcoma	2	22	9	6	14	39	53	2.4	50.0	2.2	41.1	3.5	9.7	3.2	2.1	4.9	4.9	4.9	69	93	100.0	0.0
b. Fibrosarcoma	4	1	1	6	9	12	21	0.7	15.4	0.9	16.3	7.0	0.4	0.4	2.1	3.1	1.4	1.8	21	37	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	0	1	8	14	23	23	46	1.4	29.5	1.9	35.7	-	0.4	2.9	5.0	8.0	2.5	3.7	41	81	100.0	0.0
e. Unspecified	1	0	0	3	5	4	9	0.2	5.1	0.4	7.0	1.7	-	-	1.1	1.7	0.4	0.7	7	16	100.0	0.0
X GERM CELL TUMOURS	14	13	6	17	77	50	127	3.1	100.0	5.3	100.0	24.5	5.7	2.1	6.1	26.8	6.1	10.8	89	222	95.3	0.0
a. CNS germ cell ‡	6	1	4	10	2	21	23	1.3	42.0	1.0	18.1	10.5	0.4	1.4	3.6	0.7	2.5	2.1	37	41	73.9	0.0
b. Other extragonadal	4	8	0	0	2	12	14	0.7	24.0	0.6	11.0	7.0	3.5	-	-	0.7	1.6	1.4	21	25	100.0	0.0
c. Gonadal germ cell	4	4	2	7	65	17	82	1.1	34.0	3.4	64.6	7.0	1.8	0.7	2.5	22.6	2.0	6.7	30	143	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	7	0	7	-	-	0.3	5.5	-	-	-	-	2.4	-	0.5	-	12	100.0	0.0
e. Unspecified gonadal	0	0	0	0	1	0	1	-	-	0.0	0.8	-	-	-	-	0.3	-	0.1	-	2	100.0	0.0
XI CARCINOMA & MELANOMA	0	3	10	47	151	60	211	3.7	100.0	8.7	100.0	-	1.3	3.6	16.8	52.5	6.4	16.8	107	370	99.5	0.0
a. Adrenocortical	0	0	2	1	0	3	3	0.2	5.0	0.1	1.4	-	-	0.7	0.4	-	0.3	0.3	5	5	100.0	0.0
b. Thyroid	0	1	4	19	69	24	93	1.5	40.0	3.9	44.1	-	0.4	1.4	6.8	24.0	2.6	7.4	43	163	100.0	0.0
c. Nasopharyngeal	0	0	0	2	4	2	6	0.1	3.3	0.2	2.8	-	-	-	0.7	1.4	0.2	0.5	4	11	100.0	0.0
d. Melanoma	0	2	1	10	43	13	56	0.8	21.7	2.3	26.5	-	0.9	0.4	3.6	14.9	1.4	4.5	23	98	98.2	0.0
e. Skin carcinoma	0	0	2	1	6	3	9	0.2	5.0	0.4	4.3	-	-	0.7	0.4	2.1	0.3	0.7	5	16	100.0	0.0
f. Other & unspecified	0	0	1	14	29	15	44	0.9	25.0	1.8	20.9	-	-	0.4	5.0	10.1	1.6	3.5	27	77	100.0	0.0
XII OTHER & UNSPECIFIED	0	2	0	0	3	2	5	0.1	100.0	0.2	100.0	-	0.9	-	-	1.0	0.3	0.4	4	9	100.0	0.0
a. Other specified	0	2	0	0	2	2	4	0.1	100.0	0.2	80.0	-	0.9	-	-	0.7	0.3	0.4	4	7	100.0	0.0
b. Other unspecified	0	0	0	0	1	0	1	-	-	0.0	20.0	-	-	-	-	0.3	-	0.1	-	2	100.0	0.0
TOTAL	165	572	379	494	804	1610	2414	100.0	100.0	100.0	100.0	288.6	251.7	135.7	176.8	279.4	195.4	214.3	2858	4255	96.3	0.0

† includes 236 non-malignant ‡ includes 2 non-malignant

Please consult the quality indicators for the constituent registries

ITALY, 2 paediatric registries (1998-2011)

	Males										M/F ratio		Females									
	Number of cases in age groups					ASR per million					0-14	0-19	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			1-4	5-9	10-14	15-19	0-14	0-19	0-14	0-19		
I LEUKAEMIA	11	133	60	58	57	262	319	63.3	57.7	1.2	1.2	4	99	65	46	45	214	259	54.2	49.2		
a. Lymphoid	7	120	51	36	35	214	249	52.3	45.9	1.2	1.3	3	89	54	28	22	174	196	44.6	38.1		
b. Acute myeloid	2	9	7	16	16	34	50	7.7	8.4	1.5	1.3	0	7	6	10	16	23	39	5.5	6.9		
c. CMD	0	1	2	5	3	8	11	1.7	1.8	0.9	0.7	0	1	2	6	6	9	15	2.0	2.5		
d. MDS & other	2	3	0	1	2	6	8	1.5	1.5	0.9	1.0	1	2	2	2	1	7	8	1.7	1.5		
e. Unspecified	0	0	0	0	1	0	1	-	0.2	0.0	1.0	0	0	1	0	0	1	1	0.2	0.2		
II LYMPHOMA & RELATED	0	25	44	70	135	139	274	30.6	44.3	2.4	1.5	1	2	8	47	128	58	186	12.8	30.5		
a. Hodgkin	0	5	18	32	102	55	157	11.8	24.7	1.4	1.1	0	0	3	35	100	38	138	8.2	22.5		
b. Non-Hodgkin except BL	0	11	12	20	24	43	67	9.6	11.1	3.9	1.9	0	2	2	7	24	11	35	2.5	5.8		
c. Burkitt (BL)	0	8	14	17	9	39	48	8.7	8.1	4.9	4.8	0	0	3	5	2	8	10	1.8	1.7		
d. Lymphoreticular	0	1	0	1	0	2	2	0.5	0.4	2.0	0.7	1	0	0	0	2	1	3	0.3	0.5		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
III CNS NEOPLASMS †	18	77	59	68	60	222	282	52.1	49.5	1.2	1.2	12	58	62	55	40	187	227	46.1	42.2		
a. Ependymoma	2	16	5	6	3	29	32	7.1	6.0	1.4	1.1	3	11	4	3	8	21	29	5.5	5.6		
b. Astrocytoma	6	26	24	26	23	82	105	19.1	18.3	1.0	1.1	6	21	30	23	12	80	92	19.6	17.1		
c. CNS embryonal	6	15	13	12	9	46	55	10.9	9.8	1.9	2.0	2	10	10	2	3	24	27	6.2	5.3		
d. Other gliomas	1	4	3	4	8	12	20	2.8	3.4	1.3	1.7	0	1	5	3	3	9	12	2.1	2.1		
e. Other specified	2	15	10	15	17	42	59	9.8	10.2	1.0	1.1	1	13	8	21	13	43	56	10.3	10.1		
f. Unspecified CNS	1	1	4	5	0	11	11	2.4	1.9	1.1	1.0	0	2	5	3	1	10	11	2.4	2.0		
IV NEUROBLASTOMA	33	32	10	1	3	76	79	19.6	15.7	1.1	1.1	32	26	8	1	3	67	70	18.4	14.7		
a. (Ganglio)neuroblastoma	33	32	10	1	2	76	78	19.6	15.5	1.2	1.1	32	26	8	0	2	66	68	18.2	14.4		
b. Peripheral nervous	0	0	0	0	1	0	1	-	0.2	0.0	0.5	0	0	0	1	1	1	2	0.2	0.3		
V RETINOBLASTOMA	8	13	0	0	0	21	21	5.6	4.3	1.6	1.6	5	8	0	0	0	13	13	3.6	2.8		
VI RENAL TUMOURS	9	24	6	1	0	40	40	10.3	8.0	1.2	1.1	3	24	5	1	3	33	36	9.0	7.4		
a. Nephroblastoma	9	24	6	1	0	40	40	10.3	8.0	1.3	1.3	3	24	4	0	0	31	31	8.5	6.6		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	1	3	2	5	0.5	0.8		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	7	3	4	4	1	18	19	4.4	3.5	3.0	2.7	1	4	0	1	1	6	7	1.6	1.4		
a. Hepatoblastoma	7	3	2	1	0	13	13	3.3	2.6	2.6	2.6	1	4	0	0	0	5	5	1.4	1.1		
b. Hepatic carcinoma	0	0	2	3	1	5	6	1.1	1.0	5.0	3.0	0	0	0	1	1	1	2	0.2	0.3		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	0	5	23	33	28	61	5.8	9.5	0.8	1.2	0	2	9	25	13	36	49	8.0	8.3		
a. Osteosarcoma	0	0	3	17	23	20	43	4.1	6.7	0.9	1.5	0	0	6	16	6	22	28	4.8	4.7		
b. Chondrosarcoma	0	0	0	0	2	0	2	-	0.3	-	2.0	0	0	0	0	1	0	1	-	0.2		
c. Ewing & related	0	0	2	6	8	8	16	1.7	2.5	0.6	0.8	0	2	3	9	6	14	20	3.2	3.4		
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	4	9	10	15	32	38	70	8.7	11.6	0.9	1.2	3	15	8	14	19	40	59	9.9	10.8		
a. Rhabdomyosarcoma	0	7	5	3	12	15	27	3.6	4.6	0.6	1.0	2	15	4	3	2	24	26	6.4	5.2		
b. Fibrosarcoma	3	1	1	4	6	9	15	2.1	2.5	3.0	2.5	1	0	0	2	3	3	6	0.7	1.0		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	1	4	6	12	11	23	2.4	3.7	0.9	1.0	0	0	4	8	11	12	23	2.7	3.8		
e. Unspecified	1	0	0	2	2	3	5	0.7	0.8	3.0	1.3	0	0	0	1	3	1	4	0.2	0.6		
X GERM CELL TUMOURS	9	5	2	11	61	27	88	6.4	14.2	1.2	2.3	5	8	4	6	16	23	39	5.9	7.1		
a. CNS germ cell ‡	4	1	2	8	1	15	16	3.4	2.8	2.5	2.3	2	0	2	2	1	6	7	1.5	1.3		
b. Other extragonadal	1	1	0	0	2	2	4	0.5	0.7	0.2	0.4	3	7	0	0	0	10	10	2.8	2.2		
c. Gonadal germ cell	4	3	0	3	58	10	68	2.5	10.7	1.4	4.9	0	1	2	4	7	7	14	1.6	2.4		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	7	0	7	-	1.1		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.2		
XI CARCINOMA & MELANOMA	0	1	6	18	68	25	93	5.2	14.4	0.7	0.8	0	2	4	29	83	35	118	7.7	19.4		
a. Adrenocortical	0	0	1	0	0	1	1	0.2	0.2	0.5	0.5	0	0	1	1	0	2	2	0.5	0.4		
b. Thyroid	0	0	3	6	26	9	35	1.9	5.4	0.6	0.6	0	1	1	13	43	15	58	3.3	9.5		
c. Nasopharyngeal	0	0	0	1	3	1	4	0.2	0.6	1.0	2.0	0	0	0	1	1	1	2	0.2	0.3		
d. Melanoma	0	1	0	2	18	3	21	0.7	3.3	0.3	0.6	0	1	1	8	25	10	35	2.2	5.8		
e. Skin carcinoma	0	0	2	0	3	2	5	0.4	0.8	2.0	1.3	0	0	0	1	3	1	4	0.2	0.6		
f. Other & unspecified	0	0	0	9	18	9	27	1.8	4.1	1.5	1.6	0	0	1	5	11	6	17	1.3	2.8		
XII OTHER & UNSPECIFIED	0	1	0	0	1	1	2	0.3	0.4	1.0	0.7	0	1	0	0	2	1	3	0.3	0.5		
a. Other specified	0	1	0	0	0	1	1	0.3	0.2	1.0	0.3	0	1	0	0	2	1	3	0.3	0.5		
b. Other unspecified	0	0	0	0	1	0	1	-	0.2	-	-	0	0	0	0	0	0	0	-	-		
TOTAL	99	323	206	269	451	897	1348	212.3	233.0	1.3	1.3	66	249	173	225	353	713	1066	177.6	194.5		

† includes 124 non-malignant in males and 112 non-malignant in females ‡ includes 1 non-malignant in males and 1 non-malignant in females

Please consult the quality indicators for the constituent registries

ITALY, 2 paediatric registries (1998-2011)

	Age group	Males	Females
Person-years	0	294 278	277 470
	1-4	1 168 436	1 103 695
	5-9	1 436 321	1 356 645
	10-14	1 436 739	1 357 047
	15-19	1 481 311	1 396 614
Total	0-14	4 335 774	4 094 857
	0-19	5 817 085	5 491 471
Average annual population	0-14	309 698	292 490
	0-19	415 506	392 248

Please consult the quality indicators for the constituent registries

ITALY, 2 paediatric registries (1998-2011)

Registry	Period	Cases	%	Person-years	%
Marche, paediatric	1998-2007	559	23.2	2 625 469	23.2
Piedmont, paediatric	2000-2011	1855	76.8	8 683 087	76.8
ITALY	1998-2011	2414	100.0	11 308 556	100.0

Please consult the quality indicators for the constituent registries

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