

ITALY, Piedmont, paediatric (1990-2011)

	Number of cases					Percentage		Incidence rates per million person-years					MV % 0-14	DCO % 0-14	
	Age group					0-14		Age-specific				Cumulative 0-14			
	0	1-4	5-9	10-14	0-14	All	Group	0	1-4	5-9	10-14				0-14
I LEUKAEMIA	22	324	186	151	683	31.4	100.0	28.3	104.3	48.1	37.7	60.9	874	100.0	0.0
a. Lymphoid	10	293	153	90	546	25.1	79.9	12.9	94.3	39.6	22.4	49.5	700	100.0	0.0
b. Acute myeloid	9	23	20	46	98	4.5	14.3	11.6	7.4	5.2	11.5	8.2	124	100.0	0.0
c. CMD	0	2	7	11	20	0.9	2.9	-	0.6	1.8	2.7	1.6	25	100.0	0.0
d. MDS & other	2	4	3	2	11	0.5	1.6	2.6	1.3	0.8	0.5	1.0	14	100.0	0.0
e. Unspecified	1	2	3	2	8	0.4	1.2	1.3	0.6	0.8	0.5	0.7	10	100.0	0.0
II LYMPHOMA & RELATED	1	40	67	155	263	12.1	100.0	1.3	12.9	17.3	38.6	20.9	333	99.6	0.0
a. Hodgkin	0	6	27	78	111	5.1	42.2	-	1.9	7.0	19.4	8.5	140	100.0	0.0
b. Non-Hodgkin except BL	0	15	20	42	77	3.5	29.3	-	4.8	5.2	10.5	6.2	98	100.0	0.0
c. Burkitt (BL)	0	17	19	34	70	3.2	26.6	-	5.5	4.9	8.5	5.7	89	100.0	0.0
d. Lymphoreticular	1	2	0	1	4	0.2	1.5	1.3	0.6	-	0.2	0.4	5	100.0	0.0
e. Unspecified	0	0	1	0	1	0.0	0.4	-	-	0.3	-	0.1	1	0.0	0.0
III CNS NEOPLASMS †	29	164	180	170	543	24.9	100.0	37.3	52.8	46.6	42.4	46.6	693	87.1	0.0
a. Ependymoma	4	38	19	13	74	3.4	13.6	5.1	12.2	4.9	3.2	6.7	95	98.6	0.0
b. Astrocytoma	12	58	71	75	216	9.9	39.8	15.4	18.7	18.4	18.7	18.3	275	95.8	0.0
c. CNS embryonal	7	30	37	22	96	4.4	17.7	9.0	9.7	9.6	5.5	8.4	123	99.0	0.0
d. Other gliomas	0	5	10	6	21	1.0	3.9	-	1.6	2.6	1.5	1.8	27	47.6	0.0
e. Other specified	5	22	27	42	96	4.4	17.7	6.4	7.1	7.0	10.5	8.0	122	89.6	0.0
f. Unspecified CNS	1	11	16	12	40	1.8	7.4	1.3	3.5	4.1	3.0	3.4	51	5.0	0.0
IV NEUROBLASTOMA	78	74	21	6	179	8.2	100.0	100.3	23.8	5.4	1.5	17.3	230	99.4	0.0
a. (Ganglio)neuroblastoma	78	74	21	2	175	8.0	97.8	100.3	23.8	5.4	0.5	17.0	225	99.4	0.0
b. Peripheral nervous	0	0	0	4	4	0.2	2.2	-	-	-	1.0	0.3	5	100.0	0.0
V RETINOBLASTOMA	25	28	1	0	54	2.5	100.0	32.2	9.0	0.3	-	5.4	70	79.6	0.0
VI RENAL TUMOURS	14	58	19	5	96	4.4	100.0	18.0	18.7	4.9	1.2	9.1	123	100.0	0.0
a. Nephroblastoma	14	58	19	4	95	4.4	99.0	18.0	18.7	4.9	1.0	9.0	122	100.0	0.0
b. Renal carcinoma	0	0	0	1	1	0.0	1.0	-	-	-	0.2	0.1	1	100.0	0.0
c. Unspecified	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	11	10	2	4	27	1.2	100.0	14.1	3.2	0.5	1.0	2.5	35	100.0	0.0
a. Hepatoblastoma	11	9	0	1	21	1.0	77.8	14.1	2.9	-	0.2	2.1	27	100.0	0.0
b. Hepatic carcinoma	0	1	2	3	6	0.3	22.2	-	0.3	0.5	0.7	0.5	8	100.0	0.0
c. Unspecified	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	4	21	66	91	4.2	100.0	-	1.3	5.4	16.5	6.9	115	100.0	0.0
a. Osteosarcoma	0	0	10	39	49	2.2	53.8	-	-	2.6	9.7	3.7	62	100.0	0.0
b. Chondrosarcoma	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-
c. Ewing & related	0	4	11	25	40	1.8	44.0	-	1.3	2.8	6.2	3.1	51	100.0	0.0
d. Other specified	0	0	0	2	2	0.1	2.2	-	-	-	0.5	0.1	2	100.0	0.0
e. Unspecified	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-
IX SOFT TISSUE SARCOMA	10	40	24	43	117	5.4	100.0	12.9	12.9	6.2	10.7	10.1	149	100.0	0.0
a. Rhabdomyosarcoma	5	32	12	10	59	2.7	50.4	6.4	10.3	3.1	2.5	5.4	76	100.0	0.0
b. Fibrosarcoma	5	2	3	6	16	0.7	13.7	6.4	0.6	0.8	1.5	1.4	20	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-
d. Other specified	0	6	9	20	35	1.6	29.9	-	1.9	2.3	5.0	2.8	44	100.0	0.0
e. Unspecified	0	0	0	7	7	0.3	6.0	-	-	-	1.7	0.5	9	100.0	0.0
X GERM CELL TUMOURS	16	16	7	23	62	2.8	100.0	20.6	5.1	1.8	5.7	5.4	79	93.5	1.6
a. CNS germ cell	4	0	5	9	18	0.8	29.0	5.1	-	1.3	2.2	1.5	23	83.3	0.0
b. Other extragonadal	6	11	0	0	17	0.8	27.4	7.7	3.5	-	-	1.7	22	94.1	5.9
c. Gonadal germ cell	6	5	2	13	26	1.2	41.9	7.7	1.6	0.5	3.2	2.2	33	100.0	0.0
d. Gonadal carcinoma	0	0	0	1	1	0.0	1.6	-	-	-	0.2	0.1	1	100.0	0.0
e. Unspecified gonadal	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-
XI CARCINOMA & MELANOMA	1	1	11	48	61	2.8	100.0	1.3	0.3	2.8	12.0	4.6	77	100.0	0.0
a. Adrenocortical	1	0	2	0	3	0.1	4.9	1.3	-	0.5	-	0.3	4	100.0	0.0
b. Thyroid	0	1	5	22	28	1.3	45.9	-	0.3	1.3	5.5	2.1	35	100.0	0.0
c. Nasopharyngeal	0	0	0	4	4	0.2	6.6	-	-	-	1.0	0.3	5	100.0	0.0
d. Melanoma	0	0	1	8	9	0.4	14.8	-	-	0.3	2.0	0.7	11	100.0	0.0
e. Skin carcinoma	0	0	2	1	3	0.1	4.9	-	-	0.5	0.2	0.2	4	100.0	0.0
f. Other & unspecified	0	0	1	13	14	0.6	23.0	-	-	0.3	3.2	1.0	18	100.0	0.0
XII OTHER & UNSPECIFIED	0	2	0	0	2	0.1	100.0	-	0.6	-	-	0.2	3	100.0	0.0
a. Other specified	0	2	0	0	2	0.1	100.0	-	0.6	-	-	0.2	3	100.0	0.0
b. Other unspecified	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-
TOTAL	207	761	539	671	2178	100.0	100.0	266.2	244.9	139.5	167.3	190.0	2780	96.0	0.0

† includes 266 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 0-14		Number of cases in age groups					ASR per million 0-14
	0	1-4	5-9	10-14	0-14			0	1-4	5-9	10-14	0-14	
I LEUKAEMIA	14	175	105	81	375	65.1	1.2	8	149	81	70	308	56.5
a. Lymphoid	8	158	86	53	305	53.6	1.3	2	135	67	37	241	45.1
b. Acute myeloid	4	12	14	23	53	8.6	1.2	5	11	6	23	45	7.7
c. CMD	0	1	4	5	10	1.5	1.0	0	1	3	6	10	1.6
d. MDS & other	1	2	1	0	4	0.7	0.6	1	2	2	2	7	1.3
e. Unspecified	1	2	0	0	3	0.6	0.6	0	0	3	2	5	0.8
II LYMPHOMA & RELATED	0	34	56	97	187	29.3	2.5	1	6	11	58	76	12.0
a. Hodgkin	0	5	24	43	72	10.9	1.8	0	1	3	35	39	5.9
b. Non-Hodgkin except BL	0	12	17	31	60	9.5	3.5	0	3	3	11	17	2.8
c. Burkitt (BL)	0	16	15	22	53	8.6	3.1	0	1	4	12	17	2.7
d. Lymphoreticular	0	1	0	1	2	0.3	1.0	1	1	0	0	2	0.4
e. Unspecified	0	0	0	0	0	-	0.0	0	0	1	0	1	0.2
III CNS NEOPLASMS †	15	90	99	97	301	50.1	1.2	14	74	81	73	242	42.8
a. Ependymoma	1	17	10	6	34	6.0	0.9	3	21	9	7	40	7.5
b. Astrocytoma	5	34	40	47	126	20.7	1.4	7	24	31	28	90	15.9
c. CNS embryonal	6	19	24	16	65	11.0	2.1	1	11	13	6	31	5.6
d. Other gliomas	0	3	5	2	10	1.7	0.9	0	2	5	4	11	1.9
e. Other specified	2	12	12	19	45	7.3	0.9	3	10	15	23	51	8.7
f. Unspecified CNS	1	5	8	7	21	3.4	1.1	0	6	8	5	19	3.3
IV NEUROBLASTOMA	43	40	13	3	99	18.6	1.2	35	34	8	3	80	16.0
a. (Ganglio)neuroblastoma	43	40	13	1	97	18.3	1.2	35	34	8	1	78	15.7
b. Peripheral nervous	0	0	0	2	2	0.3	1.0	0	0	0	2	2	0.3
V RETINOBLASTOMA	15	17	0	0	32	6.2	1.5	10	11	1	0	22	4.5
VI RENAL TUMOURS	9	30	10	2	51	9.5	1.1	5	28	9	3	45	8.8
a. Nephroblastoma	9	30	10	2	51	9.5	1.2	5	28	9	2	44	8.6
b. Renal carcinoma	0	0	0	0	0	-	0.0	0	0	0	1	1	0.1
c. Unspecified	0	0	0	0	0	-	-	0	0	0	0	0	-
VII HEPATIC TUMOURS	7	4	2	2	15	2.7	1.3	4	6	0	2	12	2.3
a. Hepatoblastoma	7	3	0	1	11	2.1	1.1	4	6	0	0	10	2.1
b. Hepatic carcinoma	0	1	2	1	4	0.7	2.0	0	0	0	2	2	0.3
c. Unspecified	0	0	0	0	0	-	-	0	0	0	0	0	-
VIII BONE TUMOURS	0	2	8	30	40	5.9	0.8	0	2	13	36	51	8.0
a. Osteosarcoma	0	0	3	19	22	3.2	0.8	0	0	7	20	27	4.2
b. Chondrosarcoma	0	0	0	0	0	-	-	0	0	0	0	0	-
c. Ewing & related	0	2	5	10	17	2.6	0.7	0	2	6	15	23	3.7
d. Other specified	0	0	0	1	1	0.1	1.0	0	0	0	1	1	0.1
e. Unspecified	0	0	0	0	0	-	-	0	0	0	0	0	-
IX SOFT TISSUE SARCOMA	3	20	15	22	60	10.0	1.1	7	20	9	21	57	10.2
a. Rhabdomyosarcoma	1	14	7	5	27	4.7	0.8	4	18	5	5	32	6.1
b. Fibrosarcoma	2	1	3	3	9	1.5	1.3	3	1	0	3	7	1.3
c. Kaposi sarcoma	0	0	0	0	0	-	-	0	0	0	0	0	-
d. Other specified	0	5	5	8	18	2.9	1.1	0	1	4	12	17	2.7
e. Unspecified	0	0	0	6	6	0.8	6.0	0	0	0	1	1	0.1
X GERM CELL TUMOURS	11	6	4	9	30	5.2	0.9	5	10	3	14	32	5.7
a. CNS germ cell	3	0	4	5	12	1.9	2.0	1	0	1	4	6	1.0
b. Other extragonadal	2	1	0	0	3	0.6	0.2	4	10	0	0	14	2.9
c. Gonadal germ cell	6	5	0	4	15	2.7	1.4	0	0	2	9	11	1.7
d. Gonadal carcinoma	0	0	0	0	0	-	0.0	0	0	0	1	1	0.1
e. Unspecified gonadal	0	0	0	0	0	-	-	0	0	0	0	0	-
XI CARCINOMA & MELANOMA	0	0	7	18	25	3.7	0.7	1	1	4	30	36	5.6
a. Adrenocortical	0	0	1	0	1	0.2	0.5	1	0	1	0	2	0.4
b. Thyroid	0	0	4	5	9	1.4	0.5	0	1	1	17	19	2.9
c. Nasopharyngeal	0	0	0	2	2	0.3	1.0	0	0	0	2	2	0.3
d. Melanoma	0	0	0	3	3	0.4	0.5	0	0	1	5	6	0.9
e. Skin carcinoma	0	0	2	0	2	0.3	2.0	0	0	0	1	1	0.1
f. Other & unspecified	0	0	0	8	8	1.1	1.3	0	0	1	5	6	0.9
XII OTHER & UNSPECIFIED	0	1	0	0	1	0.2	1.0	0	1	0	0	1	0.2
a. Other specified	0	1	0	0	1	0.2	1.0	0	1	0	0	1	0.2
b. Other unspecified	0	0	0	0	0	-	-	0	0	0	0	0	-
TOTAL	117	419	319	361	1216	206.5	1.3	90	342	220	310	962	172.6

† includes 147 non-malignant in males and 119 non-malignant in females

Please consult the quality indicators for this registry

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	Age group	Males	Females
Person-years	0	399 924	377 602
	1-4	1 598 098	1 509 640
	5-9	1 986 757	1 877 661
	10-14	2 060 943	1 949 677
Total	0-14	6 045 722	5 714 580
Average annual population	0-14	274 806	259 754

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International Incidence of Childhood Cancer Volume III <http://iicc.iarc.fr/results>