

## ITALY, Piedmont, paediatric (2000-2011)

	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	
<b>I LEUKAEMIA</b>	7	178	99	93	75	377	452	30.2	100.0	24.4	100.0	15.7	100.5	45.9	43.5	34.5	59.8	54.1	865	1037	100.0	0.0	
a. Lymphoid	5	161	83	56	36	305	341	24.4	80.9	18.4	75.4	11.2	90.9	38.5	26.2	16.6	49.0	41.7	698	781	100.0	0.0	
b. Acute myeloid	0	12	9	25	27	46	73	3.7	12.2	3.9	16.2	-	6.8	4.2	11.7	12.4	6.8	8.1	106	169	100.0	0.0	
c. CMD	0	2	4	10	8	16	24	1.3	4.2	1.3	5.3	-	1.1	1.9	4.7	3.7	2.3	2.6	37	56	100.0	0.0	
d. MDS & other	2	3	2	2	3	9	12	0.7	2.4	0.6	2.7	4.5	1.7	0.9	0.9	1.4	1.4	1.4	21	28	100.0	0.0	
e. Unspecified	0	0	1	0	1	1	2	0.1	0.3	0.1	0.4	-	-	0.5	-	0.5	0.1	0.2	2	5	100.0	0.0	
<b>II LYMPHOMA &amp; RELATED</b>	1	22	38	90	194	151	345	12.1	100.0	18.6	100.0	2.2	12.4	17.6	42.1	89.2	21.9	37.1	351	797	100.0	0.0	
a. Hodgkin	0	4	15	51	150	70	220	5.6	46.4	11.9	63.8	-	2.3	7.0	23.9	69.0	9.9	23.2	163	508	100.0	0.0	
b. Non-Hodgkin except BL	0	9	11	23	38	43	81	3.4	28.5	4.4	23.5	-	5.1	5.1	10.8	17.5	6.3	8.8	100	187	100.0	0.0	
c. Burkitt (BL)	0	8	12	15	5	35	40	2.8	23.2	2.2	11.6	-	4.5	5.6	7.0	2.3	5.2	4.6	81	92	100.0	0.0	
d. Lymphoreticular	1	1	0	1	1	3	4	0.2	2.0	0.2	1.2	2.2	0.6	-	0.5	0.5	0.5	0.5	7	9	100.0	0.0	
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>III CNS NEOPLASMS †</b>	23	106	98	92	80	319	399	25.6	100.0	21.5	100.0	51.7	59.9	45.4	43.1	36.8	49.7	46.8	734	918	85.2	0.0	
a. Ependymoma	3	23	7	8	8	41	49	3.3	12.9	2.6	12.3	6.7	13.0	3.2	3.7	3.7	6.7	6.0	94	112	95.9	0.0	
b. Astrocytoma	10	38	40	35	28	123	151	9.9	38.6	8.1	37.8	22.5	21.5	18.5	16.4	12.9	19.1	17.7	283	347	94.7	0.0	
c. CNS embryonal	6	19	19	11	7	55	62	4.4	17.2	3.3	15.5	13.5	10.7	8.8	5.1	3.2	8.7	7.5	126	142	100.0	0.0	
d. Other gliomas	0	4	8	2	8	14	22	1.1	4.4	1.2	5.5	-	2.3	3.7	0.9	3.7	2.2	2.5	32	51	54.5	0.0	
e. Other specified	3	19	15	29	28	66	94	5.3	20.7	5.1	23.6	6.7	10.7	7.0	13.6	12.9	10.0	10.7	152	217	80.9	0.0	
f. Unspecified CNS	1	3	9	7	1	20	21	1.6	6.3	1.1	5.3	2.2	1.7	4.2	3.3	0.5	3.0	2.4	46	49	0.0	0.0	
<b>IV NEUROBLASTOMA</b>	47	50	15	2	6	114	120	9.1	100.0	6.5	100.0	105.6	28.2	7.0	0.9	2.8	19.5	15.7	258	272	99.2	0.0	
a. (Ganglio)neuroblastoma	47	50	15	1	4	113	117	9.1	99.1	6.3	97.5	105.6	28.2	7.0	0.5	1.8	19.3	15.4	256	265	99.1	0.0	
b. Peripheral nervous	0	0	0	1	2	1	3	0.1	0.9	0.2	2.5	-	-	-	0.5	0.9	0.1	0.3	2	7	100.0	0.0	
<b>V RETINOBLASTOMA</b>	9	14	0	0	0	23	23	1.8	100.0	1.2	100.0	20.2	7.9	-	-	-	4.0	3.1	52	52	65.2	0.0	
<b>VI RENAL TUMOURS</b>	9	37	6	2	2	54	56	4.3	100.0	3.0	100.0	20.2	20.9	2.8	0.9	0.9	9.2	7.3	122	127	100.0	0.0	
a. Nephroblastoma	9	37	6	1	0	53	53	4.2	98.1	2.9	94.6	20.2	20.9	2.8	0.5	-	9.1	7.0	120	120	100.0	0.0	
b. Renal carcinoma	0	0	0	1	2	1	3	0.1	1.9	0.2	5.4	-	-	-	0.5	0.9	0.1	0.3	2	7	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>VII HEPATIC TUMOURS</b>	7	7	2	3	2	19	21	1.5	100.0	1.1	100.0	15.7	4.0	0.9	1.4	0.9	3.2	2.7	43	48	100.0	0.0	
a. Hepatoblastoma	7	7	0	1	0	15	15	1.2	78.9	0.8	71.4	15.7	4.0	-	0.5	-	2.6	2.0	34	34	100.0	0.0	
b. Hepatic carcinoma	0	0	2	2	2	4	6	0.3	21.1	0.3	28.6	-	-	0.9	0.9	0.9	0.6	0.6	9	14	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>VIII BONE TUMOURS</b>	0	2	11	39	34	52	86	4.2	100.0	4.6	100.0	-	1.1	5.1	18.3	15.6	7.3	9.2	121	199	100.0	0.0	
a. Osteosarcoma	0	0	7	25	20	32	52	2.6	61.5	2.8	60.5	-	-	3.2	11.7	9.2	4.4	5.5	75	121	100.0	0.0	
b. Chondrosarcoma	0	0	0	0	3	0	3	-	-	0.2	3.5	-	-	-	-	1.4	-	0.3	-	7	7	100.0	0.0
c. Ewing & related	0	2	4	14	11	20	31	1.6	38.5	1.7	36.0	-	1.1	1.9	6.6	5.1	2.9	3.3	47	72	100.0	0.0	
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>IX SOFT TISSUE SARCOMA</b>	3	20	15	24	37	62	99	5.0	100.0	5.3	100.0	6.7	11.3	7.0	11.2	17.0	9.5	11.2	143	228	100.0	0.0	
a. Rhabdomyosarcoma	1	18	8	4	9	31	40	2.5	50.0	2.2	40.4	2.2	10.2	3.7	1.9	4.1	5.1	4.9	71	91	100.0	0.0	
b. Fibrosarcoma	2	1	1	5	8	9	17	0.7	14.5	0.9	17.2	4.5	0.6	0.5	2.3	3.7	1.4	1.9	21	39	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	0	1	6	12	18	19	37	1.5	30.6	2.0	37.4	-	0.6	2.8	5.6	8.3	2.7	4.0	44	86	100.0	0.0	
e. Unspecified	0	0	0	3	2	3	5	0.2	4.8	0.3	5.1	-	-	-	1.4	0.9	0.4	0.5	7	12	100.0	0.0	
<b>X GERM CELL TUMOURS</b>	10	9	5	11	56	35	91	2.8	100.0	4.9	100.0	22.5	5.1	2.3	5.1	25.8	5.6	10.1	80	209	96.7	0.0	
a. CNS germ cell	3	0	3	7	2	13	15	1.0	37.1	0.8	16.5	6.7	-	1.4	3.3	0.9	1.9	1.7	30	35	80.0	0.0	
b. Other extragonadal	4	6	0	0	1	10	11	0.8	28.6	0.6	12.1	9.0	3.4	-	-	0.5	1.7	1.5	23	25	100.0	0.0	
c. Gonadal germ cell	3	3	2	4	49	12	61	1.0	34.3	3.3	67.0	6.7	1.7	0.9	1.9	22.5	1.9	6.5	28	140	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	3	0	3	-	-	0.2	3.3	-	-	-	-	1.4	-	0.3	-	7	7	100.0	0.0
e. Unspecified gonadal	0	0	0	0	1	0	1	-	-	0.1	1.1	-	-	-	-	0.5	-	0.1	-	2	2	100.0	0.0
<b>XI CARCINOMA &amp; MELANOMA</b>	0	1	9	30	120	40	160	3.2	100.0	8.6	100.0	-	0.6	4.2	14.0	55.2	5.6	16.8	93	369	99.4	0.0	
a. Adrenocortical	0	0	2	0	0	2	2	0.2	5.0	0.1	1.3	-	-	0.9	-	-	0.3	0.2	5	5	100.0	0.0	
b. Thyroid	0	1	4	12	59	17	76	1.4	42.5	4.1	47.5	-	0.6	1.9	5.6	27.1	2.4	8.0	40	175	100.0	0.0	
c. Nasopharyngeal	0	0	0	2	3	2	5	0.2	5.0	0.3	3.1	-	-	-	0.9	1.4	0.3	0.5	5	12	100.0	0.0	
d. Melanoma	0	0	0	5	31	5	36	0.4	12.5	1.9	22.5	-	-	-	2.3	14.3	0.7	3.7	12	83	97.2	0.0	
e. Skin carcinoma	0	0	2	1	4	3	7	0.2	7.5	0.4	4.4	-	-	0.9	0.5	1.8	0.4	0.8	7	16	100.0	0.0	
f. Other & unspecified	0	0	1	10	23	11	34	0.9	27.5	1.8	21.3	-	-	0.5	4.7	10.6	1.5	3.5	26	79	100.0	0.0	
<b>XII OTHER &amp; UNSPECIFIED</b>	0	2	0	0	1	2	3	0.2	100.0	0.2	100.0	-	1.1	-	-	0.5	0.3	0.4	5	7	100.0	0.0	
a. Other specified	0	2	0	0	1	2	3	0.2	100.0	0.2	100.0	-	1.1	-	-	0.5	0.3	0.4	5	7	100.0	0.0	
b. Other unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>TOTAL</b>	116	448	298	386	607	1248	1855	100.0	100.0	100.0	100.0	260.7	253.1	138.2	180.7	279.1	195.6	214.4	2867	4263	96.1	0.0	

† includes 215 non-malignant

Please consult the quality indicators for this registry

## ITALY, Piedmont, paediatric (2000-2011)

	Males										M/F ratio		Females											
	Number of cases in age groups										0-14	0-19	Number of cases in age groups										0-14	0-19
	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		
<b>I LEUKAEMIA</b>	5	104	49	51	41	209	250	64.8	58.4	1.2	1.2	2	74	50	42	34	168	202	54.5	49.5				
a. Lymphoid	4	94	41	32	24	171	195	53.7	46.4	1.3	1.3	1	67	42	24	12	134	146	44.1	36.7				
b. Acute myeloid	0	7	6	15	12	28	40	8.1	8.7	1.6	1.2	0	5	3	10	15	18	33	5.5	7.5				
c. CMD	0	1	2	4	2	7	9	2.0	1.9	0.8	0.6	0	1	2	6	6	9	15	2.7	3.3				
d. MDS & other	1	2	0	0	2	3	5	1.0	1.2	0.5	0.7	1	1	2	2	1	6	7	1.9	1.7				
e. Unspecified	0	0	0	0	1	0	1	-	0.2	0.0	1.0	0	0	1	0	0	1	1	0.3	0.2				
<b>II LYMPHOMA &amp; RELATED</b>	0	20	30	54	100	104	204	29.8	43.2	2.2	1.4	1	2	8	36	94	47	141	13.6	30.6				
a. Hodgkin	0	4	12	26	74	42	116	11.7	23.9	1.5	1.1	0	0	3	25	76	28	104	7.9	22.4				
b. Non-Hodgkin except BL	0	7	9	17	21	33	54	9.5	11.6	3.3	2.0	0	2	2	6	17	10	27	3.0	6.0				
c. Burkitt (BL)	0	8	9	10	5	27	32	8.0	7.2	3.4	4.0	0	0	3	5	0	8	8	2.3	1.8				
d. Lymphoreticular	0	1	0	1	0	2	2	0.6	0.5	2.0	1.0	1	0	0	0	1	1	2	0.4	0.5				
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>III CNS NEOPLASMS †</b>	13	62	48	47	48	170	218	51.9	49.8	1.1	1.2	10	44	50	45	32	149	181	47.4	43.6				
a. Ependymoma	1	14	4	5	2	24	26	7.6	6.3	1.4	1.1	2	9	3	3	6	17	23	5.7	5.7				
b. Astrocytoma	4	22	18	18	18	62	80	18.8	18.2	1.0	1.1	6	16	22	17	10	61	71	19.4	17.2				
c. CNS embryonal	5	11	11	9	6	36	42	11.0	9.7	1.9	2.1	1	8	8	2	1	19	20	6.3	5.1				
d. Other gliomas	0	3	3	0	5	6	11	1.9	2.5	0.8	1.0	0	1	5	2	3	8	11	2.5	2.5				
e. Other specified	2	11	8	11	17	32	49	9.7	10.9	0.9	1.1	1	8	7	18	11	34	45	10.4	10.4				
f. Unspecified CNS	1	1	4	4	0	10	10	2.9	2.2	1.0	0.9	0	2	5	3	1	10	11	3.1	2.6				
<b>IV NEUROBLASTOMA</b>	23	29	8	1	3	61	64	20.3	16.3	1.2	1.1	24	21	7	1	3	53	56	18.6	15.1				
a. (Ganglio)neuroblastoma	23	29	8	1	2	61	63	20.3	16.1	1.2	1.2	24	21	7	0	2	52	54	18.3	14.6				
b. Peripheral nervous	0	0	0	0	1	0	1	-	0.2	0.0	0.5	0	0	0	1	1	1	2	0.3	0.4				
<b>V RETINOBLASTOMA</b>	6	11	0	0	0	17	17	5.8	4.5	2.8	2.8	3	3	0	0	0	6	6	2.2	1.7				
<b>VI RENAL TUMOURS</b>	7	21	4	1	0	33	33	10.9	8.5	1.6	1.4	2	16	2	1	2	21	23	7.4	6.1				
a. Nephroblastoma	7	21	4	1	0	33	33	10.9	8.5	1.6	1.6	2	16	2	0	0	20	20	7.1	5.5				
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	2	1	3	0.3	0.6				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>VII HEPATIC TUMOURS</b>	6	3	2	2	1	13	14	4.2	3.4	2.2	2.0	1	4	0	1	1	6	7	2.1	1.8				
a. Hepatoblastoma	6	3	0	1	0	10	10	3.3	2.6	2.0	2.0	1	4	0	0	0	5	5	1.8	1.4				
b. Hepatic carcinoma	0	0	2	1	1	3	4	0.8	0.9	3.0	2.0	0	0	0	1	1	1	2	0.3	0.4				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>VIII BONE TUMOURS</b>	0	0	2	21	23	23	46	6.1	9.4	0.8	1.1	0	2	9	18	11	29	40	8.5	9.0				
a. Osteosarcoma	0	0	1	15	15	16	31	4.3	6.3	1.0	1.5	0	0	6	10	5	16	21	4.6	4.7				
b. Chondrosarcoma	0	0	0	0	2	0	2	-	0.4	-	2.0	0	0	0	0	1	0	1	-	0.2				
c. Ewing & related	0	0	1	6	6	7	13	1.9	2.7	0.5	0.7	0	2	3	8	5	13	18	3.9	4.1				
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	-	-				
<b>IX SOFT TISSUE SARCOMA</b>	1	9	8	13	23	31	54	9.2	11.7	1.0	1.2	2	11	7	11	14	31	45	9.9	10.7				
a. Rhabdomyosarcoma	0	7	4	2	8	13	21	4.1	4.8	0.7	1.1	1	11	4	2	1	18	19	6.1	4.9				
b. Fibrosarcoma	1	1	1	3	5	6	11	1.8	2.4	2.0	1.8	1	0	0	2	3	3	6	0.9	1.4				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	0	1	3	6	10	10	20	2.8	4.2	1.1	1.2	0	0	3	6	8	9	17	2.6	3.7				
e. Unspecified	0	0	0	2	0	2	2	0.5	0.4	2.0	0.7	0	0	0	1	2	1	3	0.3	0.6				
<b>X GERM CELL TUMOURS</b>	6	4	2	6	47	18	65	5.6	13.8	1.1	2.5	4	5	3	5	9	17	26	5.6	6.2				
a. CNS germ cell	2	0	2	5	1	9	10	2.6	2.2	2.3	2.0	1	0	1	2	1	4	5	1.2	1.2				
b. Other extragonadal	1	1	0	0	1	2	3	0.7	0.7	0.3	0.4	3	5	0	0	0	8	8	2.9	2.2				
c. Gonadal germ cell	3	3	0	1	45	7	52	2.3	10.8	1.4	5.8	0	0	2	3	4	5	9	1.5	2.0				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	3	0	3	-	0.6				
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.2				
<b>XI CARCINOMA &amp; MELANOMA</b>	0	0	6	11	54	17	71	4.7	14.4	0.7	0.8	0	1	3	19	66	23	89	6.6	19.2				
a. Adrenocortical	0	0	1	0	0	1	1	0.3	0.2	1.0	1.0	0	0	1	0	0	1	1	0.3	0.2				
b. Thyroid	0	0	3	3	21	6	27	1.7	5.5	0.5	0.6	0	1	1	9	38	11	49	3.2	10.6				
c. Nasopharyngeal	0	0	0	1	3	1	4	0.3	0.8	1.0	4.0	0	0	0	1	0	1	1	0.3	0.2				
d. Melanoma	0	0	0	1	13	1	14	0.3	2.8	0.3	0.6	0	0	0	4	18	4	22	1.1	4.7				
e. Skin carcinoma	0	0	2	0	2	2	4	0.6	0.9	2.0	1.3	0	0	0	1	2	1	3	0.3	0.6				
f. Other & unspecified	0	0	0	6	15	6	21	1.6	4.2	1.2	1.6	0	0	1	4	8	5	13	1.4	2.8				
<b>XII OTHER &amp; UNSPECIFIED</b>	0	1	0	0	0	1	1	0.3	0.3	1.0	0.5	0	1	0	0	1	1	2	0.4	0.5				
a. Other specified	0	1	0	0	0	1	1	0.3	0.3	1.0	0.5	0	1	0	0	1	1	2	0.4	0.5				
b. Other unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>TOTAL</b>	67	264	159	207	340	697	1037	213.5	233.7	1.3	1.3	49	184	139	179	267	551	818	176.6	193.9				

† includes 114 non-malignant in males and 101 non-malignant in females

Please consult the quality indicators for this registry

## ITALY, Piedmont, paediatric (2000-2011)

	Age group	Males	Females
Person-years	0	228 893	215 980
	1-4	909 610	860 747
	5-9	1 108 522	1 048 281
	10-14	1 099 141	1 037 423
	15-19	1 120 548	1 053 942
Total	0-14	3 346 166	3 162 431
	0-19	4 466 714	4 216 373
Average annual population	0-14	278 847	263 536
	0-19	372 226	351 364

Please consult the quality indicators for this registry