

## PORTUGAL, North (1991-2010)

	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	ASR	0-14	0-19
<b>I LEUKAEMIA</b>	17	159	142	99	87	417	504	24.4	100.0	19.6	100.0	24.1	55.4	37.6	24.1	19.1	38.2	33.9	555	651	99.8	0.0	
a. Lymphoid	11	123	104	60	45	298	343	17.4	71.5	13.3	68.1	15.6	42.9	27.6	14.6	9.9	27.7	23.7	398	448	100.0	0.0	
b. Acute myeloid	4	29	21	27	26	81	107	4.7	19.4	4.2	21.2	5.7	10.1	5.6	6.6	5.7	7.3	6.9	107	135	99.1	0.0	
c. CMD	1	3	6	6	9	16	25	0.9	3.8	1.0	5.0	1.4	1.0	1.6	1.5	2.0	1.4	1.5	21	31	100.0	0.0	
d. MDS & other	0	2	7	3	2	12	14	0.7	2.9	0.5	2.8	-	0.7	1.9	0.7	0.4	1.0	0.9	16	18	100.0	0.0	
e. Unspecified	1	2	4	3	5	10	15	0.6	2.4	0.6	3.0	1.4	0.7	1.1	0.7	1.1	0.9	0.9	13	19	100.0	0.0	
<b>II LYMPHOMA &amp; RELATED</b>	8	59	90	109	244	266	510	15.6	100.0	19.8	100.0	11.3	20.6	23.9	26.6	53.5	22.7	29.6	346	613	100.0	0.0	
a. Hodgkin	0	4	29	63	175	96	271	5.6	36.1	10.5	53.1	-	1.4	7.7	15.4	38.4	7.4	14.3	121	313	100.0	0.0	
b. Non-Hodgkin except BL	2	26	33	31	49	92	141	5.4	34.6	5.5	27.6	2.8	9.1	8.7	7.6	10.7	8.0	8.7	121	174	100.0	0.0	
c. Burkitt (BL)	0	15	13	11	10	39	49	2.3	14.7	1.9	9.6	-	5.2	3.4	2.7	2.2	3.5	3.2	52	63	100.0	0.0	
d. Lymphoreticular	6	14	9	2	2	31	33	1.8	11.7	1.3	6.5	8.5	4.9	2.4	0.5	0.4	3.1	2.5	42	45	100.0	0.0	
e. Unspecified	0	0	6	2	8	8	16	0.5	3.0	0.6	3.1	-	-	1.6	0.5	1.8	0.7	0.9	10	19	100.0	0.0	
<b>III CNS NEOPLASMS †</b>	24	116	122	118	105	380	485	22.2	100.0	18.8	100.0	34.0	40.4	32.3	28.8	23.0	33.9	31.5	501	617	89.1	0.0	
a. Ependymoma	6	19	6	10	8	41	49	2.4	10.8	1.9	10.1	8.5	6.6	1.6	2.4	1.8	3.9	3.4	55	64	100.0	0.0	
b. Astrocytoma	4	40	47	53	41	144	185	8.4	37.9	7.2	38.1	5.7	13.9	12.5	12.9	9.0	12.5	11.7	188	233	99.5	0.0	
c. CNS embryonal	9	28	20	21	12	78	90	4.6	20.5	3.5	18.6	12.8	9.8	5.3	5.1	2.6	7.2	6.2	104	117	100.0	0.0	
d. Other gliomas	3	13	24	11	14	51	65	3.0	13.4	2.5	13.4	4.3	4.5	6.4	2.7	3.1	4.6	4.2	68	83	83.1	0.0	
e. Other specified	0	7	19	13	16	39	55	2.3	10.3	2.1	11.3	-	2.4	5.0	3.2	3.5	3.3	3.3	51	68	98.2	0.0	
f. Unspecified CNS	2	9	6	10	14	27	41	1.6	7.1	1.6	8.5	2.8	3.1	1.6	2.4	3.1	2.4	2.6	36	51	2.4	0.0	
<b>IV NEUROBLASTOMA</b>	55	82	18	12	4	167	171	9.8	100.0	6.6	100.0	78.0	28.6	4.8	2.9	0.9	17.2	13.6	230	235	99.4	0.0	
a. (Ganglio)neuroblastoma	53	80	13	9	2	155	157	9.1	92.8	6.1	91.8	75.2	27.9	3.4	2.2	0.4	16.2	12.6	214	217	99.4	0.0	
b. Peripheral nervous	2	2	5	3	2	12	14	0.7	7.2	0.5	8.2	2.8	0.7	1.3	0.7	0.4	1.1	0.9	16	18	100.0	0.0	
<b>V RETINOBLASTOMA</b>	11	28	1	0	0	40	40	2.3	100.0	1.6	100.0	15.6	9.8	0.3	-	-	4.3	3.3	56	56	97.5	0.0	
<b>VI RENAL TUMOURS</b>	12	47	23	8	5	90	95	5.3	100.0	3.7	100.0	17.0	16.4	6.1	1.9	1.1	8.9	7.2	123	128	98.9	0.0	
a. Nephroblastoma	12	46	23	4	0	85	85	5.0	94.4	3.3	89.5	17.0	16.0	6.1	1.0	-	8.5	6.6	117	117	100.0	0.0	
b. Renal carcinoma	0	1	0	4	4	5	9	0.3	5.6	0.3	9.5	-	0.3	-	1.0	0.9	0.4	0.5	6	11	100.0	0.0	
c. Unspecified	0	0	0	0	1	0	1	-	-	0.0	1.1	-	-	-	-	0.2	-	0.0	-	1	1	0.0	0.0
<b>VII HEPATIC TUMOURS</b>	5	11	3	1	1	20	21	1.2	100.0	0.8	100.0	7.1	3.8	0.8	0.2	0.2	2.1	1.6	28	29	100.0	0.0	
a. Hepatoblastoma	5	11	2	0	0	18	18	1.1	90.0	0.7	85.7	7.1	3.8	0.5	-	-	1.9	1.5	25	25	100.0	0.0	
b. Hepatic carcinoma	0	0	1	1	1	2	3	0.1	10.0	0.1	14.3	-	-	0.3	0.2	0.2	0.2	0.2	3	4	100.0	0.0	
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>VIII BONE TUMOURS</b>	1	6	20	56	80	83	163	4.9	100.0	6.3	100.0	1.4	2.1	5.3	13.6	17.5	6.4	8.9	105	192	99.4	0.0	
a. Osteosarcoma	0	1	8	29	47	38	85	2.2	45.8	3.3	52.1	-	0.3	2.1	7.1	10.3	2.8	4.5	47	99	100.0	0.0	
b. Chondrosarcoma	0	0	0	3	5	3	8	0.2	3.6	0.3	4.9	-	-	-	0.7	1.1	0.2	0.4	4	9	100.0	0.0	
c. Ewing & related	1	4	10	23	23	38	61	2.2	45.8	2.4	37.4	1.4	1.4	2.7	5.6	5.0	3.0	3.5	48	73	100.0	0.0	
d. Other specified	0	1	0	1	4	2	6	0.1	2.4	0.2	3.7	-	0.3	-	0.2	0.9	0.2	0.3	3	7	100.0	0.0	
e. Unspecified	0	0	2	0	1	2	3	0.1	2.4	0.1	1.8	-	-	0.5	-	0.2	0.2	0.2	3	4	66.7	0.0	
<b>IX SOFT TISSUE SARCOMA</b>	10	31	26	25	57	92	149	5.4	100.0	5.8	100.0	14.2	10.8	6.9	6.1	12.5	8.4	9.3	122	185	100.0	0.0	
a. Rhabdomyosarcoma	8	20	13	10	17	51	68	3.0	55.4	2.6	45.6	11.3	7.0	3.4	2.4	3.7	4.9	4.6	69	87	100.0	0.0	
b. Fibrosarcoma	0	1	0	1	5	2	7	0.1	2.2	0.3	4.7	-	0.3	-	0.2	1.1	0.2	0.4	3	8	100.0	0.0	
c. Kaposi sarcoma	0	0	0	1	1	1	2	0.1	1.1	0.1	1.3	-	-	-	0.2	0.2	0.1	0.1	1	2	100.0	0.0	
d. Other specified	1	1	5	9	31	16	47	0.9	17.4	1.8	31.5	1.4	0.3	1.3	2.2	6.8	1.3	2.5	20	54	100.0	0.0	
e. Unspecified	1	9	8	4	3	22	25	1.3	23.9	1.0	16.8	1.4	3.1	2.1	1.0	0.7	2.1	1.7	29	33	100.0	0.0	
<b>X GERM CELL TUMOURS</b>	7	17	6	24	79	54	133	3.2	100.0	5.2	100.0	9.9	5.9	1.6	5.8	17.3	4.8	7.6	71	157	99.2	0.0	
a. CNS germ cell	0	0	5	9	7	14	21	0.8	25.9	0.8	15.8	-	-	1.3	2.2	1.5	1.1	1.2	18	25	100.0	0.0	
b. Other extragonadal	4	5	0	5	5	14	19	0.8	25.9	0.7	14.3	5.7	1.7	-	1.2	1.1	1.3	1.3	19	24	100.0	0.0	
c. Gonadal germ cell	3	11	0	10	57	24	81	1.4	44.4	3.1	60.9	4.3	3.8	-	2.4	12.5	2.2	4.5	32	94	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	7	0	7	-	-	0.3	5.3	-	-	-	-	1.5	-	0.3	-	8	8	100.0	0.0
e. Unspecified gonadal	0	1	1	0	3	2	5	0.1	3.7	0.2	3.8	-	0.3	0.3	-	0.7	0.2	0.3	3	6	80.0	0.0	
<b>XI CARCINOMA &amp; MELANOMA</b>	0	5	19	65	193	89	282	5.2	100.0	11.0	100.0	-	1.7	5.0	15.8	42.3	6.8	14.8	111	323	100.0	0.0	
a. Adrenocortical	0	1	1	1	0	3	3	0.2	3.4	0.1	1.1	-	0.3	0.3	0.2	-	0.3	0.2	4	4	100.0	0.0	
b. Thyroid	0	0	3	26	90	29	119	1.7	32.6	4.6	42.2	-	-	0.8	6.3	19.7	2.1	6.1	36	134	100.0	0.0	
c. Nasopharyngeal	0	0	0	6	10	6	16	0.4	6.7	0.6	5.7	-	-	-	1.5	2.2	0.4	0.8	7	18	100.0	0.0	
d. Melanoma	0	2	8	12	29	22	51	1.3	24.7	2.0	18.1	-	0.7	2.1	2.9	6.4	1.7	2.8	28	60	100.0	0.0	
e. Skin carcinoma	0	2	3	7	12	12	24	0.7	13.5	0.9	8.5	-	0.7	0.8	1.7	2.6	1.0	1.3	15	28	100.0	0.0	
f. Other & unspecified	0	0	4	13	52	17	69	1.0	19.1	2.7	24.5	-	-	1.1	3.2	11.4	1.3	3.5	21	78	100.0	0.0	
<b>XII OTHER &amp; UNSPECIFIED</b>	0	5	2	3	12	10	22	0.6	100.0	0.9	100.0	-	1.7	0.5	0.7	2.6	0.9	1.3	13	26	40.9	0.0	
a. Other specified	0	0	1	0	2	1	3	0.1	10.0	0.1	13.6	-	-	0.3	-	0.4	0.1	0.2	1	4	100.0	0.0	
b. Other unspecified	0	5	1	3	10	9	19	0.5	90.0	0.7	86.4	-	1.7	0.3	0.7	2.2	0.8	1.1	12	23	31.6	0.0	
<b>TOTAL</b>	150	566	472	520	867	1708	2575	100.0	100.0	100.0	100.0	212.7	197.3	125.1	126.7	190.1	154.7	162.7	2261	3212	97.2	0.0	

† includes 170 non-malignant

Please consult the quality indicators for this registry

## PORTUGAL, North (1991-2010)

	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		
<b>I LEUKAEMIA</b>	9	97	87	59	39	252	291	45.0	38.6	1.5	1.4	8	62	55	40	48	165	213	31.1	28.9		
a. Lymphoid	6	77	64	38	18	185	203	33.4	27.6	1.6	1.4	5	46	40	22	27	113	140	21.6	19.5		
b. Acute myeloid	2	14	14	16	15	46	61	7.9	7.6	1.3	1.3	2	15	7	11	11	35	46	6.6	6.2		
c. CMD	1	2	2	2	4	7	11	1.2	1.3	0.8	0.8	0	1	4	4	5	9	14	1.5	1.7		
d. MDS & other	0	2	4	2	0	8	8	1.4	1.1	2.0	1.3	0	0	3	1	2	4	6	0.7	0.7		
e. Unspecified	0	2	3	1	2	6	8	1.1	1.0	1.5	1.1	1	0	1	2	3	4	7	0.7	0.8		
<b>II LYMPHOMA &amp; RELATED</b>	5	37	66	68	130	176	306	29.2	35.2	2.0	1.5	3	22	24	41	114	90	204	15.7	23.7		
a. Hodgkin	0	2	21	30	87	53	140	8.1	14.7	1.2	1.1	0	2	8	33	88	43	131	6.6	14.0		
b. Non-Hodgkin except BL	2	18	27	26	29	73	102	12.3	12.3	3.8	2.6	0	8	6	5	20	19	39	3.6	4.8		
c. Burkitt (BL)	0	10	9	9	8	28	36	4.8	4.5	2.5	2.8	0	5	4	2	2	11	13	2.1	1.8		
d. Lymphoreticular	3	7	4	2	1	16	17	3.0	2.5	1.1	1.1	3	7	5	0	1	15	16	3.1	2.5		
e. Unspecified	0	0	5	1	5	6	11	1.0	1.2	3.0	2.2	0	0	1	1	3	2	5	0.3	0.6		
<b>III CNS NEOPLASMS †</b>	19	63	75	76	59	233	292	40.3	36.9	1.6	1.5	5	53	47	42	46	147	193	27.3	25.8		
a. Ependymoma	5	9	2	6	6	22	28	4.1	3.8	1.2	1.3	1	10	4	4	2	19	21	3.7	3.1		
b. Astrocytoma	4	18	28	33	21	83	104	13.9	12.8	1.4	1.3	0	22	19	20	20	61	81	11.1	10.7		
c. CNS embryonal	6	21	17	13	10	57	67	10.3	9.0	2.7	2.9	3	7	3	8	2	21	23	3.9	3.2		
d. Other gliomas	3	7	13	8	7	31	38	5.4	4.8	1.6	1.4	0	6	11	3	7	20	27	3.7	3.6		
e. Other specified	0	3	11	8	8	22	30	3.6	3.5	1.3	1.2	0	4	8	5	8	17	25	3.0	3.1		
f. Unspecified CNS	1	5	4	8	7	18	25	3.0	3.0	2.0	1.6	1	4	2	2	7	9	16	1.8	2.1		
<b>IV NEUROBLASTOMA</b>	31	43	9	6	3	89	92	17.9	14.2	1.1	1.2	24	39	9	6	1	78	79	16.5	12.9		
a. (Ganglioneuroblastoma	30	42	6	4	2	82	84	16.7	13.2	1.1	1.2	23	38	7	5	0	73	73	15.6	12.1		
b. Peripheral nervous	1	1	3	2	1	7	8	1.2	1.0	1.4	1.3	1	1	2	1	1	5	6	0.9	0.8		
<b>V RETINOBLASTOMA</b>	7	16	1	0	0	24	24	5.0	3.9	1.5	1.5	4	12	0	0	0	16	16	3.6	2.8		
<b>VI RENAL TUMOURS</b>	5	19	8	5	4	37	41	7.1	5.9	0.7	0.8	7	28	15	3	1	53	54	10.9	8.5		
a. Nephroblastoma	5	19	8	3	0	35	35	6.8	5.3	0.7	0.7	7	27	15	1	0	50	50	10.4	8.0		
b. Renal carcinoma	0	0	0	2	3	2	5	0.3	0.5	0.7	1.3	0	1	0	2	1	3	4	0.5	0.5		
c. Unspecified	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-		
<b>VII HEPATIC TUMOURS</b>	4	7	0	1	1	12	13	2.5	2.0	1.5	1.6	1	4	3	0	0	8	8	1.6	1.3		
a. Hepatoblastoma	4	7	0	0	0	11	11	2.3	1.8	1.6	1.6	1	4	2	0	0	7	7	1.5	1.1		
b. Hepatic carcinoma	0	0	0	1	1	1	2	0.1	0.2	1.0	2.0	0	0	1	0	0	1	1	0.2	0.1		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>VIII BONE TUMOURS</b>	0	3	12	22	50	37	87	5.7	9.2	0.8	1.1	1	3	8	34	30	46	76	7.2	8.6		
a. Osteosarcoma	0	1	5	13	31	19	50	2.8	5.2	1.0	1.4	0	0	3	16	16	19	35	2.8	3.8		
b. Chondrosarcoma	0	0	0	0	3	0	3	-	0.3	0.0	0.6	0	0	0	3	2	3	5	0.4	0.5		
c. Ewing & related	0	1	5	9	13	15	28	2.3	3.0	0.7	0.8	1	3	5	14	10	23	33	3.8	4.0		
d. Other specified	0	1	0	0	3	1	4	0.2	0.5	1.0	2.0	0	0	0	1	1	1	2	0.1	0.2		
e. Unspecified	0	0	2	0	0	2	2	0.3	0.3	-	2.0	0	0	0	0	1	0	1	-	0.1		
<b>IX SOFT TISSUE SARCOMA</b>	5	14	19	10	27	48	75	8.5	9.2	1.1	1.0	5	17	7	15	30	44	74	8.3	9.5		
a. Rhabdomyosarcoma	5	10	11	4	10	30	40	5.5	5.3	1.4	1.4	3	10	2	6	7	21	28	4.1	3.9		
b. Fibrosarcoma	0	0	0	0	1	0	1	-	0.1	0.0	0.2	0	1	0	1	4	2	6	0.4	0.7		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	1	1	2	0.1	0.2		
d. Other specified	0	0	5	4	13	9	22	1.4	2.3	1.3	0.9	1	1	0	5	18	7	25	1.2	2.7		
e. Unspecified	0	4	3	2	3	9	12	1.6	1.5	0.7	0.9	1	5	5	2	0	13	13	2.5	1.9		
<b>X GERM CELL TUMOURS</b>	6	11	3	14	59	34	93	6.0	10.4	1.7	2.3	1	6	3	10	20	20	40	3.5	4.8		
a. CNS germ cell	0	0	3	8	7	11	18	1.6	1.9	3.7	6.0	0	0	2	1	0	3	3	0.5	0.4		
b. Other extragonadal	3	2	0	3	2	8	10	1.5	1.3	1.3	1.1	1	3	0	2	3	6	9	1.2	1.2		
c. Gonadal germ cell	3	9	0	3	48	15	63	2.9	6.9	1.7	3.5	0	2	0	7	9	9	18	1.5	2.0		
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	0.1	-	0.2	0	0	0	0	6	0	6	-	0.6		
e. Unspecified gonadal	0	0	0	0	1	0	1	-	0.1	0.0	0.3	0	1	1	0	2	2	4	0.4	0.5		
<b>XI CARCINOMA &amp; MELANOMA</b>	0	1	8	24	64	33	97	4.9	10.0	0.6	0.5	0	4	11	41	129	56	185	8.8	19.8		
a. Adrenocortical	0	0	1	1	0	2	2	0.3	0.2	2.0	2.0	0	1	0	0	0	1	1	0.2	0.2		
b. Thyroid	0	0	1	6	14	7	21	1.0	2.1	0.3	0.2	0	0	2	20	76	22	98	3.3	10.2		
c. Nasopharyngeal	0	0	0	5	8	5	13	0.7	1.3	5.0	4.3	0	0	0	1	2	1	3	0.1	0.3		
d. Melanoma	0	0	4	5	17	9	26	1.4	2.7	0.7	1.0	0	2	4	7	12	13	25	2.2	2.9		
e. Skin carcinoma	0	1	1	2	5	4	9	0.7	1.0	0.5	0.6	0	1	2	5	7	8	15	1.3	1.7		
f. Other & unspecified	0	0	1	5	20	6	26	0.9	2.6	0.5	0.6	0	0	3	8	32	11	43	1.7	4.5		
<b>XII OTHER &amp; UNSPECIFIED</b>	0	2	1	3	8	6	14	1.0	1.6	1.5	1.8	0	3	1	0	4	4	8	0.8	1.1		
a. Other specified	0	0	0	0	2	0	2	-	0.2	0.0	2.0	0	0	1	0	0	1	1	0.2	0.1		
b. Other unspecified	0	2	1	3	6	6	12	1.0	1.4	2.0	1.7	0	3	0	0	4	3	7	0.7	0.9		
<b>TOTAL</b>	91	313	289	288	444	981	1425	173.0	177.1	1.3	1.2	59	253	183	232	423	727	1150	135.4	147.5		

† includes 96 non-malignant in males and 74 non-malignant in females

Please consult the quality indicators for this registry

## PORTUGAL, North (1991-2010)

	Age group	Males	Females
Person-years	0	362 750	342 321
	1-4	1 474 537	1 393 492
	5-9	1 937 218	1 834 507
	10-14	2 101 883	2 001 867
	15-19	2 323 298	2 237 598
Total	0-14	5 876 388	5 572 187
	0-19	8 199 686	7 809 785
Average annual population	0-14	293 819	278 609
	0-19	409 984	390 489

Please consult the quality indicators for this registry