

## PORTUGAL, South (1998-2012)

	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			0-19	0-14	0-19
<b>I LEUKAEMIA</b>	24	233	150	125	98	532	630	28.7	100.0	23.3	100.0	31.5	78.4	41.4	34.5	25.1	50.0	44.4	723	849	99.8	0.0
a. Lymphoid	17	191	107	68	45	383	428	20.6	72.0	15.8	67.9	22.3	64.2	29.6	18.7	11.5	36.5	30.9	520	577	99.8	0.0
b. Acute myeloid	2	29	30	42	33	103	136	5.5	19.4	5.0	21.6	2.6	9.8	8.3	11.6	8.4	9.2	9.1	141	183	100.0	0.0
c. CMD	0	1	6	9	10	16	26	0.9	3.0	1.0	4.1	-	0.3	1.7	2.5	2.6	1.4	1.6	22	35	100.0	0.0
d. MDS & other	2	6	3	6	4	17	21	0.9	3.2	0.8	3.3	2.6	2.0	0.8	1.7	1.0	1.6	1.5	23	28	100.0	0.0
e. Unspecified	3	6	4	0	6	13	19	0.7	2.4	0.7	3.0	3.9	2.0	1.1	-	1.5	1.3	1.3	18	25	100.0	0.0
<b>II LYMPHOMA &amp; RELATED</b>	3	43	72	131	258	249	507	13.4	100.0	18.7	100.0	3.9	14.5	19.9	36.1	65.9	21.7	31.6	342	671	99.2	0.0
a. Hodgkin	0	3	28	74	184	105	289	5.7	42.2	10.7	57.0	-	1.0	7.7	20.4	47.0	8.7	17.3	145	380	99.3	0.0
b. Non-Hodgkin except BL	1	14	18	33	55	66	121	3.6	26.5	4.5	23.9	1.3	4.7	5.0	9.1	14.1	5.8	7.7	90	161	100.0	0.0
c. Burkitt (BL)	0	16	25	18	5	59	64	3.2	23.7	2.4	12.6	-	5.4	6.9	5.0	1.3	5.3	4.4	81	87	100.0	0.0
d. Lymphoreticular	2	7	1	1	4	11	15	0.6	4.4	0.6	3.0	2.6	2.4	0.3	0.3	1.0	1.1	1.1	15	20	93.3	0.0
e. Unspecified	0	3	0	5	10	8	18	0.4	3.2	0.7	3.6	-	1.0	-	1.4	2.6	0.7	1.1	11	24	94.4	0.0
<b>III CNS NEOPLASMS †</b>	35	142	143	126	120	446	566	24.0	100.0	20.9	100.0	45.9	47.8	39.5	34.7	30.7	41.2	38.8	608	761	92.9	0.0
a. Ependymoma	9	25	11	12	8	57	65	3.1	12.8	2.4	11.5	11.8	8.4	3.0	3.3	2.0	5.5	4.7	77	87	100.0	0.0
b. Astrocytoma	17	67	72	52	56	208	264	11.2	46.6	9.8	46.6	22.3	22.5	19.9	14.3	14.3	19.3	18.2	284	355	94.7	0.0
c. CNS embryonal	5	29	25	24	15	83	98	4.5	18.6	3.6	17.3	6.6	9.8	6.9	6.6	3.8	7.7	6.8	113	132	100.0	0.0
d. Other gliomas	0	10	19	18	21	47	68	2.5	10.5	2.5	12.0	-	3.4	5.3	5.0	5.4	4.2	4.4	64	91	70.6	0.0
e. Other specified	4	8	14	17	19	43	62	2.3	9.6	2.3	11.0	5.2	2.7	3.9	4.7	4.9	3.9	4.1	59	83	98.4	0.0
f. Unspecified CNS	0	3	2	3	1	8	9	0.4	1.8	0.3	1.6	-	1.0	0.6	0.8	0.3	0.7	0.6	11	12	44.4	0.0
<b>IV NEUROBLASTOMA</b>	44	66	11	2	3	123	126	6.6	100.0	4.7	100.0	57.7	22.2	3.0	0.6	0.8	12.5	9.9	165	169	95.2	0.0
a. (Ganglio)neuroblastoma	44	66	10	2	2	122	124	6.6	99.2	4.6	98.4	57.7	22.2	2.8	0.6	0.5	12.4	9.8	164	166	95.2	0.0
b. Peripheral nervous	0	0	1	0	1	1	2	0.1	0.8	0.1	1.6	-	-	0.3	-	0.3	0.1	0.1	1	3	100.0	0.0
<b>V RETINOBLASTOMA</b>	16	37	2	0	0	55	55	3.0	100.0	2.0	100.0	21.0	12.4	0.6	-	-	5.7	4.4	74	74	76.4	0.0
<b>VI RENAL TUMOURS</b>	14	58	24	6	11	102	113	5.5	100.0	4.2	100.0	18.4	19.5	6.6	1.7	2.8	10.1	8.4	138	152	97.3	0.0
a. Nephroblastoma	14	58	24	3	1	99	100	5.3	97.1	3.7	88.5	18.4	19.5	6.6	0.8	0.3	9.8	7.7	134	135	98.0	0.0
b. Renal carcinoma	0	0	0	3	9	3	12	0.2	2.9	0.4	10.6	-	-	-	0.8	2.3	0.2	0.7	4	16	100.0	0.0
c. Unspecified	0	0	0	0	1	0	1	-	-	0.0	0.9	-	-	-	-	0.3	-	0.1	-	1	0.0	0.0
<b>VII HEPATIC TUMOURS</b>	6	6	4	3	4	19	23	1.0	100.0	0.8	100.0	7.9	2.0	1.1	0.8	1.0	1.8	1.7	26	31	91.3	0.0
a. Hepatoblastoma	5	6	3	1	0	15	15	0.8	78.9	0.6	65.2	6.6	2.0	0.8	0.3	-	1.5	1.2	20	20	93.3	0.0
b. Hepatic carcinoma	1	0	1	2	3	4	7	0.2	21.1	0.3	30.4	1.3	-	0.3	0.6	0.8	0.4	0.4	5	9	100.0	0.0
c. Unspecified	0	0	0	0	1	0	1	-	-	0.0	4.3	-	-	-	-	0.3	-	0.1	-	1	0.0	0.0
<b>VIII BONE TUMOURS</b>	0	4	18	43	68	65	133	3.5	100.0	4.9	100.0	-	1.3	5.0	11.9	17.4	5.5	8.1	89	176	97.0	0.0
a. Osteosarcoma	0	1	7	23	36	31	67	1.7	47.7	2.5	50.4	-	0.3	1.9	6.3	9.2	2.6	4.1	43	89	98.5	0.0
b. Chondrosarcoma	0	0	0	0	5	0	5	-	-	0.2	3.8	-	-	-	-	1.3	-	0.3	-	6	100.0	0.0
c. Ewing & related	0	2	10	17	19	29	48	1.6	44.6	1.8	36.1	-	0.7	2.8	4.7	4.9	2.5	3.0	40	64	100.0	0.0
d. Other specified	0	0	0	1	4	1	5	0.1	1.5	0.2	3.8	-	-	-	0.3	1.0	0.1	0.3	1	6	100.0	0.0
e. Unspecified	0	1	1	2	4	4	8	0.2	6.2	0.3	6.0	-	0.3	0.3	0.6	1.0	0.4	0.5	5	11	62.5	0.0
<b>IX SOFT TISSUE SARCOMA</b>	13	35	25	41	60	114	174	6.1	100.0	6.4	100.0	17.0	11.8	6.9	11.3	15.3	10.5	11.6	155	232	100.0	0.0
a. Rhabdomyosarcoma	7	27	22	14	10	70	80	3.8	61.4	3.0	46.0	9.2	9.1	6.1	3.9	2.6	6.6	5.7	95	108	100.0	0.0
b. Fibrosarcoma	2	0	0	0	6	2	8	0.1	1.8	0.3	4.6	2.6	-	-	-	1.5	0.2	0.5	3	10	100.0	0.0
c. Kaposi sarcoma	0	0	0	1	3	1	4	0.1	0.9	0.1	2.3	-	-	-	0.3	0.8	0.1	0.2	1	5	100.0	0.0
d. Other specified	2	7	3	22	31	34	65	1.8	29.8	2.4	37.4	2.6	2.4	0.8	6.1	7.9	3.0	4.1	47	86	100.0	0.0
e. Unspecified	2	1	0	4	10	7	17	0.4	6.1	0.6	9.8	2.6	0.3	-	1.1	2.6	0.6	1.1	10	22	100.0	0.0
<b>X GERM CELL TUMOURS</b>	8	8	15	28	74	59	133	3.2	100.0	4.9	100.0	10.5	2.7	4.1	7.7	18.9	5.2	8.3	81	175	97.0	0.0
a. CNS germ cell	1	1	9	14	11	25	36	1.3	42.4	1.3	27.1	1.3	0.3	2.5	3.9	2.8	2.1	2.3	34	48	97.2	0.0
b. Other extragonadal	4	3	1	1	3	9	12	0.5	15.3	0.4	9.0	5.2	1.0	0.3	0.3	0.8	0.9	0.9	12	16	100.0	0.0
c. Gonadal germ cell	3	4	4	11	53	22	75	1.2	37.3	2.8	56.4	3.9	1.3	1.1	3.0	13.5	2.0	4.6	30	98	98.7	0.0
d. Gonadal carcinoma	0	0	1	0	5	1	6	0.1	1.7	0.2	4.5	-	-	0.3	-	1.3	0.1	0.4	1	8	100.0	0.0
e. Unspecified gonadal	0	0	0	2	2	2	4	0.1	3.4	0.1	3.0	-	-	-	0.6	0.5	0.2	0.2	3	5	50.0	0.0
<b>XI CARCINOMA &amp; MELANOMA</b>	1	5	20	61	147	87	234	4.7	100.0	8.6	100.0	1.3	1.7	5.5	16.8	37.6	7.3	14.1	120	308	100.0	0.0
a. Adrenocortical	1	0	0	1	0	2	2	0.1	2.3	0.1	0.9	1.3	-	-	0.3	-	0.2	0.1	3	3	100.0	0.0
b. Thyroid	0	3	6	26	64	35	99	1.9	40.2	3.7	42.3	-	1.0	1.7	7.2	16.4	2.9	5.9	48	130	100.0	0.0
c. Nasopharyngeal	0	0	1	10	8	11	19	0.6	12.6	0.7	8.1	-	-	0.3	2.8	2.0	0.9	1.1	15	25	100.0	0.0
d. Melanoma	0	2	9	11	26	22	48	1.2	25.3	1.8	20.5	-	0.7	2.5	3.0	6.6	1.9	3.0	30	64	100.0	0.0
e. Skin carcinoma	0	0	0	2	0	2	2	-	-	0.1	0.9	-	-	-	-	0.5	-	0.1	-	3	100.0	0.0
f. Other & unspecified	0	0	4	13	47	17	64	0.9	19.5	2.4	27.4	-	-	1.1	3.6	12.0	1.4	3.8	23	84	100.0	0.0
<b>XII OTHER &amp; UNSPECIFIED</b>	1	2	0	2	7	5	12	0.3	100.0	0.4	100.0	1.3	0.7	-	0.6	1.8	0.5	0.8	7	16	58.3	0.0
a. Other specified	0	2	0	0	3	2	5	0.1	40.0	0.2	41.7	-	0.7	-	-	0.8	0.2	0.3	3	7	100.0	0.0
b. Other unspecified	1	0	0	2	4	3	7	0.2	60.0	0.3	58.3	1.3	-	-	0.6	1.0	0.3	0.4	4	9	28.6	0.0
<b>TOTAL</b>	165	639	484	568	850	1856	2706	100.0	100.0	100.0	100.0	216.4	214.9	133.7	156.6	217.3	171.9	182.1	2527	3614	97.0	0.0

† includes 210 non-malignant

Please consult the quality indicators for this registry

## PORTUGAL, South (1998-2012)

	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>	16	132	76	66	53	290	343	53.3	47.3	1.2	1.2	8	101	74	59	45	242	287	46.5	41.3				
a. Lymphoid	12	115	54	35	31	216	247	40.4	34.8	1.3	1.4	5	76	53	33	14	167	181	32.4	26.8				
b. Acute myeloid	1	10	17	19	15	47	62	8.1	8.0	0.8	0.8	1	19	13	23	18	56	74	10.4	10.2				
c. CMD	0	0	2	7	2	9	11	1.4	1.3	1.3	0.7	0	1	4	2	8	7	15	1.3	1.9				
d. MDS & other	1	4	2	5	3	12	15	2.1	2.0	2.4	2.5	1	2	1	1	1	5	6	1.0	0.9				
e. Unspecified	2	3	1	0	2	6	8	1.2	1.1	0.9	0.7	1	3	3	0	4	7	11	1.4	1.6				
<b>II LYMPHOMA &amp; RELATED</b>	0	29	53	74	148	156	304	26.6	37.3	1.7	1.5	3	14	19	57	110	93	203	16.4	25.6				
a. Hodgkin	0	2	20	33	105	55	160	9.0	18.9	1.1	1.2	0	1	8	41	79	50	129	8.4	15.8				
b. Non-Hodgkin except BL	0	7	11	23	31	41	72	6.9	8.9	1.6	1.5	1	7	7	10	24	25	49	4.6	6.4				
c. Burkitt (BL)	0	13	22	15	4	50	54	8.8	7.3	5.6	5.4	0	3	3	3	1	9	10	1.7	1.4				
d. Lymphoreticular	0	5	0	0	3	5	8	1.0	1.1	0.8	1.1	2	2	1	1	1	6	7	1.2	1.0				
e. Unspecified	0	2	0	3	5	5	10	0.9	1.2	1.7	1.3	0	1	0	2	5	3	8	0.5	1.0				
<b>III CNS NEOPLASMS †</b>	15	77	76	75	68	243	311	43.4	41.3	1.2	1.2	20	65	67	51	52	203	255	38.8	36.2				
a. Ependymoma	3	15	4	7	5	29	34	5.4	4.8	1.0	1.1	6	10	7	5	3	28	31	5.5	4.6				
b. Astrocytoma	8	36	39	29	34	112	146	20.2	19.5	1.2	1.2	9	31	33	23	22	96	118	18.4	16.8				
c. CNS embryonal	2	15	18	15	7	50	57	8.9	7.7	1.5	1.4	3	14	7	9	8	33	41	6.4	5.9				
d. Other gliomas	0	6	8	11	13	25	38	4.3	4.8	1.1	1.3	0	4	11	7	8	22	30	4.0	4.1				
e. Other specified	2	3	7	11	9	23	32	3.9	4.1	1.1	1.1	2	5	7	6	10	20	30	3.8	4.1				
f. Unspecified CNS	0	2	0	2	0	4	4	0.7	0.6	1.0	0.8	0	1	2	1	1	4	5	0.7	0.7				
<b>IV NEUROBLASTOMA</b>	24	34	7	0	2	65	67	12.9	10.2	1.1	1.1	20	32	4	2	1	58	59	12.2	9.5				
a. (Ganglioneuroblastoma	24	34	6	0	2	64	66	12.7	10.1	1.1	1.1	20	32	4	2	0	58	58	12.2	9.4				
b. Peripheral nervous	0	0	1	0	0	1	1	0.2	0.1	-	1.0	0	0	0	0	1	0	1	-	0.1				
<b>V RETINOBLASTOMA</b>	7	20	1	0	0	28	28	5.6	4.3	1.0	1.0	9	17	1	0	0	27	27	5.7	4.4				
<b>VI RENAL TUMOURS</b>	6	27	9	2	7	44	51	8.5	7.4	0.8	0.8	8	31	15	4	4	58	62	11.7	9.6				
a. Nephroblastoma	6	27	9	0	1	42	43	8.2	6.5	0.7	0.8	8	31	15	3	0	57	57	11.6	9.0				
b. Renal carcinoma	0	0	0	2	5	2	7	0.3	0.8	2.0	1.4	0	0	0	1	4	1	5	0.2	0.6				
c. Unspecified	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-				
<b>VII HEPATIC TUMOURS</b>	3	2	2	1	3	8	11	1.5	1.5	0.7	0.9	3	4	2	2	1	11	12	2.2	1.8				
a. Hepatoblastoma	3	2	2	0	0	7	7	1.4	1.0	0.9	0.9	2	4	1	1	0	8	8	1.6	1.3				
b. Hepatic carcinoma	0	0	0	1	2	1	3	0.2	0.3	0.3	0.8	1	0	1	1	1	3	4	0.6	0.6				
c. Unspecified	0	0	0	0	1	0	1	-	0.1	-	-	0	0	0	0	0	0	0	-	-				
<b>VIII BONE TUMOURS</b>	0	2	12	20	43	34	77	5.6	9.2	1.1	1.4	0	2	6	23	25	31	56	5.3	7.0				
a. Osteosarcoma	0	1	6	9	23	16	39	2.7	4.7	1.1	1.4	0	0	1	14	13	15	28	2.5	3.4				
b. Chondrosarcoma	0	0	0	0	3	0	3	-	0.3	-	1.5	0	0	0	0	2	0	2	-	0.2				
c. Ewing & related	0	1	6	10	13	17	30	2.8	3.6	1.4	1.7	0	1	4	7	6	12	18	2.1	2.3				
d. Other specified	0	0	0	0	2	0	2	-	0.2	0.0	0.7	0	0	0	1	2	1	3	0.2	0.4				
e. Unspecified	0	0	0	1	2	1	3	0.2	0.3	0.3	0.6	0	1	1	1	2	3	5	0.6	0.7				
<b>IX SOFT TISSUE SARCOMA</b>	7	18	16	23	41	64	105	11.4	13.5	1.3	1.5	6	17	9	18	19	50	69	9.5	9.6				
a. Rhabdomyosarcoma	5	15	14	10	6	44	50	8.0	6.9	1.7	1.7	2	12	8	4	4	26	30	5.1	4.4				
b. Fibrosarcoma	1	0	0	0	4	1	5	0.2	0.6	1.0	1.7	1	0	0	0	2	1	3	0.2	0.4				
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	0.1	0.0	0.3	0	0	0	1	2	1	3	0.2	0.4				
d. Other specified	1	2	2	10	23	15	38	2.5	4.5	0.8	1.4	1	5	1	12	8	19	27	3.4	3.6				
e. Unspecified	0	1	0	3	7	4	11	0.7	1.3	1.3	1.8	2	0	0	1	3	3	6	0.6	0.8				
<b>X GERM CELL TUMOURS</b>	5	2	8	12	51	27	78	4.7	9.4	0.8	1.4	3	6	7	16	23	32	55	5.8	7.2				
a. CNS germ cell	0	0	7	10	9	17	26	2.8	3.2	2.1	2.6	1	1	2	4	2	8	10	1.4	1.4				
b. Other extragonadal	2	0	1	0	1	3	4	0.6	0.6	0.5	0.5	2	3	0	1	2	6	8	1.2	1.2				
c. Gonadal germ cell	3	2	0	1	40	6	46	1.2	5.4	0.4	1.6	0	2	4	10	13	16	29	2.8	3.7				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	5	1	6	0.2	0.7				
e. Unspecified gonadal	0	0	0	1	1	1	2	0.2	0.2	1.0	1.0	0	0	0	1	1	1	2	0.2	0.2				
<b>XI CARCINOMA &amp; MELANOMA</b>	1	3	12	26	51	42	93	7.0	11.1	0.9	0.7	0	2	8	35	96	45	141	7.6	17.2				
a. Adrenocortical	1	0	0	0	0	1	1	0.2	0.2	1.0	1.0	0	0	0	1	0	1	1	0.2	0.1				
b. Thyroid	0	2	2	7	13	11	24	1.8	2.9	0.5	0.3	0	1	4	19	51	24	75	4.1	9.1				
c. Nasopharyngeal	0	0	0	7	4	7	11	1.1	1.3	1.8	1.4	0	0	1	3	4	4	8	0.7	1.0				
d. Melanoma	0	1	6	6	12	13	25	2.2	3.0	1.4	1.1	0	1	3	5	14	9	23	1.6	2.9				
e. Skin carcinoma	0	0	0	0	1	0	1	-	0.1	-	1.0	0	0	0	0	1	0	1	-	0.1				
f. Other & unspecified	0	0	4	6	21	10	31	1.6	3.6	1.4	0.9	0	0	0	7	26	7	33	1.1	3.9				
<b>XII OTHER &amp; UNSPECIFIED</b>	1	2	0	0	3	3	6	0.6	0.8	1.5	1.0	0	0	0	2	4	2	6	0.3	0.7				
a. Other specified	0	2	0	0	0	2	2	0.4	0.3	-	0.7	0	0	0	0	3	0	3	-	0.4				
b. Other unspecified	1	0	0	0	3	1	4	0.2	0.5	0.5	1.3	0	0	0	2	1	2	3	0.3	0.4				
<b>TOTAL</b>	85	348	272	299	470	1004	1474	181.1	193.4	1.2	1.2	80	291	212	269	380	852	1232	162.1	170.2				

† includes 114 non-malignant in males and 96 non-malignant in females

Please consult the quality indicators for this registry

## PORTUGAL, South (1998-2012)

	Age group	Males	Females
Person-years	0	392 671	369 800
	1-4	1 530 987	1 442 785
	5-9	1 859 286	1 759 646
	10-14	1 855 304	1 772 806
	15-19	1 993 033	1 919 057
Total	0-14	5 638 248	5 345 037
	0-19	7 631 281	7 264 094
Average annual population	0-14	375 883	356 336
	0-19	508 752	484 273

Please consult the quality indicators for this registry