

FRANCE, Isère (1993-2012)

	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	ASR	0-19			0-14
I LEUKAEMIA	11	100	59	43	41	213	254	27.8	100.0	23.1	100.0	37.5	83.4	38.9	28.3	26.4	49.5	44.3	708	839	100.0	0.0
a. Lymphoid	3	85	45	26	26	159	185	20.7	74.6	16.8	72.8	10.2	70.9	29.6	17.1	16.7	37.3	32.7	528	612	100.0	0.0
b. Acute myeloid	7	11	10	10	7	38	45	5.0	17.8	4.1	17.7	23.9	9.2	6.6	6.6	4.5	8.7	7.8	126	149	100.0	0.0
c. CMD	0	1	1	4	6	6	12	0.8	2.8	1.1	4.7	-	0.8	0.7	2.6	3.9	1.2	1.8	20	39	100.0	0.0
d. MDS & other	1	2	2	1	1	6	7	0.8	2.8	0.6	2.8	3.4	1.7	1.3	0.7	0.6	1.4	1.2	20	23	100.0	0.0
e. Unspecified	0	1	1	2	1	4	5	0.5	1.9	0.5	2.0	-	0.8	0.7	1.3	0.6	0.9	0.8	13	16	100.0	0.0
II LYMPHOMA & RELATED	3	18	36	63	86	120	206	15.6	100.0	18.7	100.0	10.2	15.0	23.7	41.5	55.3	25.1	31.9	396	673	100.0	0.0
a. Hodgkin	0	1	10	36	56	47	103	6.1	39.2	9.4	50.0	-	0.8	6.6	23.7	36.0	9.3	15.3	155	335	100.0	0.0
b. Non-Hodgkin except BL	2	8	15	17	24	42	66	5.5	35.0	6.0	32.0	6.8	6.7	9.9	11.2	15.4	9.0	10.5	139	216	100.0	0.0
c. Burkitt (BL)	0	7	11	8	4	26	30	3.4	21.7	2.7	14.6	-	5.8	7.2	5.3	2.6	5.7	5.0	86	99	100.0	0.0
d. Lymphoreticular	1	2	0	2	2	5	7	0.7	4.2	0.6	3.4	3.4	1.7	-	1.3	1.3	1.2	1.2	17	23	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III CNS NEOPLASMS †	13	40	55	48	43	156	199	20.3	100.0	18.1	100.0	44.3	33.3	36.2	31.6	27.6	34.6	33.0	517	655	88.9	0.0
a. Ependymoma	4	4	5	5	4	18	22	2.3	11.5	2.0	11.1	13.6	3.3	3.3	3.3	2.6	4.1	3.7	60	73	100.0	0.0
b. Astrocytoma	3	15	19	23	11	60	71	7.8	38.5	6.5	35.7	10.2	12.5	12.5	15.1	7.1	13.1	11.7	199	234	94.4	0.0
c. CNS embryonal	6	9	14	7	5	36	41	4.7	23.1	3.7	20.6	20.5	7.5	9.2	4.6	3.2	8.2	7.1	119	135	100.0	0.0
d. Other gliomas	0	6	6	6	7	18	25	2.3	11.5	2.3	12.6	-	5.0	4.0	3.9	4.5	4.0	4.1	60	82	56.0	0.0
e. Other specified	0	6	10	6	14	22	36	2.9	14.1	3.3	18.1	-	5.0	6.6	3.9	9.0	4.8	5.8	73	118	88.9	0.0
f. Unspecified CNS	0	0	1	1	2	2	4	0.3	1.3	0.4	2.0	-	-	0.7	0.7	1.3	0.4	0.6	7	13	25.0	0.0
IV NEUROBLASTOMA	24	40	3	6	1	73	74	9.5	100.0	6.7	100.0	81.8	33.3	2.0	3.9	0.6	18.4	14.4	244	247	98.6	0.0
a. (Ganglio)neuroblastoma	24	39	3	6	1	72	73	9.4	98.6	6.6	98.6	81.8	32.5	2.0	3.9	0.6	18.1	14.2	241	244	98.6	0.0
b. Peripheral nervous	0	1	0	0	0	1	1	0.1	1.4	0.1	1.4	-	0.8	-	-	-	0.3	0.2	3	3	100.0	0.0
V RETINOBLASTOMA	8	9	1	0	0	18	18	2.3	100.0	1.6	100.0	27.3	7.5	0.7	-	-	4.6	3.6	60	60	66.7	0.0
VI RENAL TUMOURS	9	20	7	1	0	37	37	4.8	100.0	3.4	100.0	30.7	16.7	4.6	0.7	-	9.2	7.1	123	123	89.2	0.0
a. Nephroblastoma	9	20	7	1	0	37	37	4.8	100.0	3.4	100.0	30.7	16.7	4.6	0.7	-	9.2	7.1	123	123	89.2	0.0
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	3	7	0	0	2	10	12	1.3	100.0	1.1	100.0	10.2	5.8	-	-	1.3	2.6	2.3	33	40	100.0	0.0
a. Hepatoblastoma	3	5	0	0	0	8	8	1.0	80.0	0.7	66.7	10.2	4.2	-	-	-	2.1	1.6	27	27	100.0	0.0
b. Hepatic carcinoma	0	2	0	0	2	2	4	0.3	20.0	0.4	33.3	-	1.7	-	-	1.3	0.5	0.7	7	13	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	1	11	23	32	35	67	4.6	100.0	6.1	100.0	-	0.8	7.2	15.1	20.6	7.0	10.0	115	218	100.0	0.0
a. Osteosarcoma	0	0	4	13	15	17	32	2.2	48.6	2.9	47.8	-	-	2.6	8.6	9.6	3.3	4.8	56	104	100.0	0.0
b. Chondrosarcoma	0	0	0	3	4	3	7	0.4	8.6	0.6	10.4	-	-	-	2.0	2.6	0.6	1.0	10	23	100.0	0.0
c. Ewing & related	0	1	7	5	8	13	21	1.7	37.1	1.9	31.3	-	0.8	4.6	3.3	5.1	2.7	3.3	43	69	100.0	0.0
d. Other specified	0	0	0	2	3	2	5	0.3	5.7	0.5	7.5	-	-	-	1.3	1.9	0.4	0.7	7	16	100.0	0.0
e. Unspecified	0	0	0	0	2	0	2	-	-	0.2	3.0	-	-	-	-	1.3	-	0.3	-	6	100.0	0.0
IX SOFT TISSUE SARCOMA	3	14	14	13	19	44	63	5.7	100.0	5.7	100.0	10.2	11.7	9.2	8.6	12.2	9.9	10.4	146	207	100.0	0.0
a. Rhabdomyosarcoma	1	8	9	3	3	21	24	2.7	47.7	2.2	38.1	3.4	6.7	5.9	2.0	1.9	4.8	4.2	70	79	100.0	0.0
b. Fibrosarcoma	1	1	0	1	3	3	6	0.4	6.8	0.5	9.5	3.4	0.8	-	0.7	1.9	0.7	1.0	10	20	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	1	4	4	9	9	18	27	2.3	40.9	2.5	42.9	3.4	3.3	2.6	5.9	5.8	3.9	4.3	60	88	100.0	0.0
e. Unspecified	0	1	1	0	4	2	6	0.3	4.5	0.5	9.5	-	0.8	0.7	-	2.6	0.5	0.9	7	19	100.0	0.0
X GERM CELL TUMOURS	6	2	3	11	27	22	49	2.9	100.0	4.5	100.0	20.5	1.7	2.0	7.2	17.4	4.8	7.6	73	160	95.9	0.0
a. CNS germ cell ‡	1	0	2	2	0	5	5	0.7	22.7	0.5	10.2	3.4	-	1.3	1.3	-	1.1	0.8	17	17	80.0	0.0
b. Other extragonadal	3	2	0	2	0	7	7	0.9	31.8	0.6	14.3	10.2	1.7	-	1.3	-	1.7	1.3	23	23	85.7	0.0
c. Gonadal germ cell	2	0	1	4	26	7	33	0.9	31.8	3.0	67.3	6.8	-	0.7	2.6	16.7	1.5	4.9	23	107	100.0	0.0
d. Gonadal carcinoma	0	0	0	3	1	3	4	0.4	13.6	0.4	8.2	-	-	-	2.0	0.6	0.6	0.6	10	13	100.0	0.0
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI CARCINOMA & MELANOMA	0	3	12	24	80	39	119	5.1	100.0	10.8	100.0	-	2.5	7.9	15.8	51.4	7.9	17.7	129	386	100.0	0.0
a. Adrenocortical	0	1	0	0	1	1	2	0.1	2.6	0.2	1.7	-	0.8	-	-	0.6	0.3	0.3	3	7	100.0	0.0
b. Thyroid	0	2	6	10	42	18	60	2.3	46.2	5.5	50.4	-	1.7	4.0	6.6	27.0	3.7	8.9	59	194	100.0	0.0
c. Nasopharyngeal	0	0	0	2	2	2	4	0.3	5.1	0.4	3.4	-	-	-	1.3	1.3	0.4	0.6	7	13	100.0	0.0
d. Melanoma	0	0	4	6	20	10	30	1.3	25.6	2.7	25.2	-	-	2.6	3.9	12.9	2.0	4.4	33	97	100.0	0.0
e. Skin carcinoma	0	0	0	0	2	0	2	-	-	0.2	1.7	-	-	-	-	1.3	-	0.3	-	6	100.0	0.0
f. Other & unspecified	0	0	2	6	13	8	21	1.0	20.5	1.9	17.6	-	-	1.3	3.9	8.4	1.6	3.1	26	68	100.0	0.0
XII OTHER & UNSPECIFIED	0	0	0	0	2	0	2	-	-	0.2	100.0	-	-	-	-	1.3	-	0.3	-	6	50.0	0.0
a. Other specified	0	0	0	0	1	0	1	-	-	0.1	50.0	-	-	-	-	0.6	-	0.1	-	3	100.0	0.0
b. Other unspecified	0	0	0	0	1	0	1	-	-	0.1	50.0	-	-	-	-	0.6	-	0.1	-	3	0.0	0.0
TOTAL	80	254	201	232	333	767	1100	100.0	100.0	100.0	100.0	272.7	211.7	132.4	152.7	214.1	173.6	182.7	2544	3614	96.7	0.0

† includes 88 non-malignant ‡ includes 1 non-malignant

Please consult the quality indicators for this registry

FRANCE, Isère (1993-2012)

	Males										M/F ratio		Females									
	Number of cases in age groups										0-14	0-19	Number of cases in age groups									
	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
I LEUKAEMIA	5	55	37	19	22	116	138	52.6	47.0	1.2	1.2	6	45	22	24	19	97	116	46.3	41.5		
a. Lymphoid	1	50	30	15	14	96	110	43.7	37.8	1.5	1.5	2	35	15	11	12	63	75	30.6	27.3		
b. Acute myeloid	3	4	5	2	2	14	16	6.3	5.5	0.6	0.6	4	7	5	8	5	24	29	11.2	10.2		
c. CMD	0	0	0	1	4	1	5	0.4	1.4	0.2	0.7	0	1	1	3	2	5	7	2.2	2.3		
d. MDS & other	1	1	2	0	1	4	5	1.8	1.7	2.0	2.5	0	1	0	1	0	2	2	0.9	0.7		
e. Unspecified	0	0	0	1	1	1	2	0.4	0.6	0.3	0.7	0	1	1	1	0	3	3	1.4	1.1		
II LYMPHOMA & RELATED	1	15	26	33	41	75	116	31.1	35.6	1.7	1.3	2	3	10	30	45	45	90	18.9	28.0		
a. Hodgkin	0	0	8	14	24	22	46	8.5	13.3	0.9	0.8	0	1	2	22	32	25	57	10.1	17.3		
b. Non-Hodgkin except BL	1	8	11	11	13	31	44	13.2	13.9	2.8	2.0	1	0	4	6	11	11	22	4.6	6.9		
c. Burkitt (BL)	0	6	7	6	3	19	22	8.1	7.2	2.7	2.8	0	1	4	2	1	7	8	3.1	2.7		
d. Lymphoreticular	0	1	0	2	1	3	4	1.2	1.2	1.5	1.3	1	1	0	0	1	2	3	1.1	1.1		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
III CNS NEOPLASMS †	7	22	30	28	19	87	106	37.4	34.4	1.3	1.1	6	18	25	20	24	69	93	31.6	31.6		
a. Ependymoma	2	1	1	4	1	8	9	3.4	2.9	0.8	0.7	2	3	4	1	3	10	13	4.8	4.6		
b. Astrocytoma	3	10	11	12	5	36	41	15.6	13.5	1.5	1.4	0	5	8	11	6	24	30	10.5	9.9		
c. CNS embryonal	2	5	8	4	3	19	22	8.3	7.3	1.1	1.2	4	4	6	3	2	17	19	8.1	6.8		
d. Other gliomas	0	2	4	4	2	10	12	4.1	3.8	1.3	0.9	0	4	2	2	5	8	13	3.8	4.4		
e. Other specified	0	4	6	3	7	13	20	5.6	6.3	1.4	1.3	0	2	4	3	7	9	16	4.0	5.2		
f. Unspecified CNS	0	0	0	1	1	1	2	0.4	0.6	1.0	1.0	0	0	1	0	1	1	2	0.4	0.6		
IV NEUROBLASTOMA	12	14	2	2	1	30	31	14.7	11.7	0.7	0.7	12	26	1	4	0	43	43	22.3	17.2		
a. (Ganglio)neuroblastoma	12	13	2	2	1	29	30	14.2	11.3	0.7	0.7	12	26	1	4	0	43	43	22.3	17.2		
b. Peripheral nervous	0	1	0	0	0	1	1	0.5	0.4	-	-	0	0	0	0	0	0	0	-	-		
V RETINOBLASTOMA	2	4	0	0	0	6	6	3.0	2.3	0.5	0.5	6	5	1	0	0	12	12	6.3	4.9		
VI RENAL TUMOURS	1	9	3	1	0	14	14	6.7	5.2	0.6	0.6	8	11	4	0	0	23	23	11.9	9.2		
a. Nephroblastoma	1	9	3	1	0	14	14	6.7	5.2	0.6	0.6	8	11	4	0	0	23	23	11.9	9.2		
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	2	5	0	0	1	7	8	3.5	3.0	2.3	2.0	1	2	0	0	1	3	4	1.6	1.5		
a. Hepatoblastoma	2	5	0	0	0	7	7	3.5	2.7	7.0	7.0	1	0	0	0	0	1	1	0.5	0.4		
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	0.3	0.0	0.3	0	2	0	0	1	2	3	1.1	1.1		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	0	1	5	12	20	18	38	7.0	11.1	1.1	1.3	0	0	6	11	12	17	29	7.0	9.0		
a. Osteosarcoma	0	0	2	7	8	9	17	3.4	4.9	1.1	1.1	0	0	2	6	7	8	15	3.2	4.6		
b. Chondrosarcoma	0	0	0	1	2	1	3	0.4	0.9	0.5	0.8	0	0	0	2	2	2	4	0.8	1.2		
c. Ewing & related	0	1	3	3	7	7	14	2.9	4.2	1.2	2.0	0	0	4	2	1	6	7	2.5	2.3		
d. Other specified	0	0	0	1	1	1	2	0.4	0.6	1.0	0.7	0	0	0	1	2	1	3	0.4	0.9		
e. Unspecified	0	0	0	0	2	0	2	-	0.6	-	-	0	0	0	0	0	0	0	-	-		
IX SOFT TISSUE SARCOMA	2	9	10	6	14	27	41	11.9	13.2	1.6	1.9	1	5	4	7	5	17	22	7.7	7.5		
a. Rhabdomyosarcoma	1	5	6	0	2	12	14	5.5	4.8	1.3	1.4	0	3	3	3	1	9	10	4.1	3.5		
b. Fibrosarcoma	1	1	0	0	2	2	4	1.0	1.3	2.0	2.0	0	0	0	1	1	1	2	0.4	0.6		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	3	3	6	6	12	18	5.0	5.6	2.0	2.0	1	1	1	3	3	6	9	2.7	3.0		
e. Unspecified	0	0	1	0	4	1	5	0.4	1.4	1.0	5.0	0	1	0	0	0	1	1	0.5	0.4		
X GERM CELL TUMOURS	3	0	0	3	18	6	24	2.6	7.1	0.4	1.0	3	2	3	8	9	16	25	7.1	8.2		
a. CNS germ cell ‡	0	0	0	1	0	1	1	0.4	0.3	0.3	0.3	1	0	2	1	0	4	4	1.8	1.4		
b. Other extragonadal	1	0	0	2	0	3	3	1.2	1.0	0.8	0.8	2	2	0	0	0	4	4	2.1	1.7		
c. Gonadal germ cell	2	0	0	0	18	2	20	1.0	5.9	0.4	1.5	0	0	1	4	8	5	13	2.0	3.9		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	3	1	3	4	1.2	1.2		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
XI CARCINOMA & MELANOMA	0	2	3	8	20	13	33	5.2	9.7	0.5	0.4	0	1	9	16	60	26	86	10.8	26.2		
a. Adrenocortical	0	1	0	0	1	1	2	0.5	0.7	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	1	1	2	8	4	12	1.7	3.5	0.3	0.3	0	1	5	8	34	14	48	5.9	14.7		
c. Nasopharyngeal	0	0	0	1	1	1	2	0.4	0.6	1.0	1.0	0	0	0	1	1	1	2	0.4	0.6		
d. Melanoma	0	0	2	3	6	5	11	1.9	3.2	1.0	0.6	0	0	2	3	14	5	19	2.1	5.8		
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	0.6		
f. Other & unspecified	0	0	0	2	4	2	6	0.7	1.7	0.3	0.4	0	0	2	4	9	6	15	2.5	4.6		
XII OTHER & UNSPECIFIED	0	0	0	0	2	0	2	-	0.6	-	-	0	0	0	0	0	0	0	-	-		
a. Other specified	0	0	0	0	1	0	1	-	0.3	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	0	0	0	0	1	0	1	-	0.3	-	-	0	0	0	0	0	0	0	-	-		
TOTAL	35	136	116	112	158	399	557	175.8	180.8	1.1	1.0	45	118	85	120	175	368	543	171.3	184.8		

† includes 53 non-malignant in males and 35 non-malignant in females ‡ includes 1 non-malignant in females

Please consult the quality indicators for this registry

FRANCE, Isère (1993-2012)

	Age group	Males	Females
Person-years	0	150 363	143 028
	1-4	615 778	583 750
	5-9	782 121	735 967
	10-14	782 480	737 309
	15-19	798 108	757 507
Total	0-14	2 330 742	2 200 054
	0-19	3 128 850	2 957 561
Average annual population	0-14	116 537	110 003
	0-19	156 443	147 878

Please consult the quality indicators for this registry