

COSTA RICA (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	0-19
I LEUKAEMIA	48	552	391	260	239	1251	1490	40.2	100.0	32.7	100.0	32.4	90.3	48.7	31.7	30.0	55.5	49.8	797	947	99.9	0.0	
a. Lymphoid	26	480	338	194	168	1038	1206	33.4	83.0	26.5	80.9	17.5	78.5	42.1	23.7	21.1	46.2	40.6	662	767	100.0	0.0	
b. Acute myeloid	20	60	43	46	46	169	215	5.4	13.5	4.7	14.4	13.5	9.8	5.4	5.6	5.8	7.4	7.1	107	136	99.5	0.0	
c. CMD	1	6	5	8	8	20	28	0.6	1.6	0.6	1.9	0.7	1.0	0.6	1.0	1.0	0.8	0.9	13	18	100.0	0.0	
d. MDS & other	0	0	0	1	0	1	1	0.0	0.1	0.0	0.1	-	-	-	0.1	-	0.0	0.0	1	1	100.0	0.0	
e. Unspecified	1	6	5	11	17	23	40	0.7	1.8	0.9	2.7	0.7	1.0	0.6	1.3	2.1	0.9	1.2	14	25	100.0	0.0	
II LYMPHOMA & RELATED	3	82	150	178	268	413	681	13.3	100.0	15.0	100.0	2.0	13.4	18.7	21.7	33.7	16.7	20.5	258	426	100.0	0.0	
a. Hodgkin	0	19	80	86	168	185	353	5.9	44.8	7.7	51.8	-	3.1	10.0	10.5	21.1	7.2	10.4	115	220	100.0	0.0	
b. Non-Hodgkin except BL	0	37	43	66	88	146	234	4.7	35.4	5.1	34.4	-	6.1	5.4	8.1	11.1	6.0	7.1	91	147	100.0	0.0	
c. Burkitt (BL)	0	16	16	19	5	51	56	1.6	12.3	1.2	8.2	-	2.6	2.0	2.3	0.6	2.1	1.8	32	35	100.0	0.0	
d. Lymphoreticular	3	7	3	3	0	16	16	0.5	3.9	0.4	2.3	2.0	1.1	0.4	0.4	-	0.7	0.6	10	10	100.0	0.0	
e. Unspecified	0	3	8	4	7	15	22	0.5	3.6	0.5	3.2	-	0.5	1.0	0.5	0.9	0.6	0.7	9	14	100.0	0.0	
III CNS NEOPLASMS	26	130	166	108	93	430	523	13.8	100.0	11.5	100.0	17.5	21.3	20.7	13.2	11.7	18.4	16.9	272	330	79.3	3.1	
a. Ependymoma	4	27	17	9	4	57	61	1.8	13.3	1.3	11.7	2.7	4.4	2.1	1.1	0.5	2.6	2.1	36	39	100.0	0.0	
b. Astrocytoma	7	33	42	40	38	122	160	3.9	28.4	3.5	30.6	4.7	5.4	5.2	4.9	4.8	5.1	5.1	77	101	100.0	0.0	
c. CNS embryonal	5	39	52	37	19	133	152	4.3	30.9	3.3	29.1	3.4	6.4	6.5	4.5	2.4	5.6	4.9	84	96	100.0	0.0	
d. Other gliomas	3	4	9	7	13	23	36	0.7	5.3	0.8	6.9	2.0	0.7	1.1	0.9	1.6	1.0	1.1	14	23	100.0	0.0	
e. Other specified	0	1	1	1	1	3	4	0.1	0.7	0.1	0.8	-	0.2	0.1	0.1	0.1	0.1	0.1	2	3	100.0	0.0	
f. Unspecified CNS	7	26	45	14	18	92	110	3.0	21.4	2.4	21.0	4.7	4.3	5.6	1.7	2.3	4.0	3.6	58	70	1.8	14.5	
IV NEUROBLASTOMA	29	39	11	3	4	82	86	2.6	100.0	1.9	100.0	19.6	6.4	1.4	0.4	0.5	4.0	3.2	53	56	100.0	0.0	
a. (Ganglio)neuroblastoma	29	39	11	3	2	82	84	2.6	100.0	1.8	97.7	19.6	6.4	1.4	0.4	0.3	4.0	3.2	53	55	100.0	0.0	
b. Peripheral nervous	0	0	0	0	2	0	2	-	-	0.0	2.3	-	-	-	-	0.3	-	0.1	-	1	1	100.0	0.0
V RETINOBLASTOMA	26	54	7	0	0	87	87	2.8	100.0	1.9	100.0	17.5	8.8	0.9	-	-	4.4	3.4	57	57	100.0	0.0	
VI RENAL TUMOURS	14	66	27	16	4	123	127	4.0	100.0	2.8	100.0	9.4	10.8	3.4	2.0	0.5	5.7	4.6	79	82	92.1	0.0	
a. Nephroblastoma	13	60	25	12	0	110	110	3.5	89.4	2.4	86.6	8.8	9.8	3.1	1.5	-	5.1	4.0	71	71	100.0	0.0	
b. Renal carcinoma	0	0	0	4	3	4	7	0.1	3.3	0.2	5.5	-	-	-	0.5	0.4	0.1	0.2	2	4	100.0	0.0	
c. Unspecified	1	6	2	0	1	9	10	0.3	7.3	0.2	7.9	0.7	1.0	0.2	-	0.1	0.4	0.4	6	6	0.0	0.0	
VII HEPATIC TUMOURS	11	18	8	13	14	50	64	1.6	100.0	1.4	100.0	7.4	2.9	1.0	1.6	1.8	2.3	2.1	32	41	90.6	4.7	
a. Hepatoblastoma	9	16	7	2	1	34	35	1.1	68.0	0.8	54.7	6.1	2.6	0.9	0.2	0.1	1.6	1.3	22	23	100.0	0.0	
b. Hepatic carcinoma	0	0	1	9	12	10	22	0.3	20.0	0.5	34.4	-	-	0.1	1.1	1.5	0.4	0.6	6	14	100.0	0.0	
c. Unspecified	2	2	0	2	1	6	7	0.2	12.0	0.2	10.9	1.3	0.3	-	0.2	0.1	0.3	0.2	4	4	14.3	42.9	
VIII BONE TUMOURS	0	3	27	84	118	114	232	3.7	100.0	5.1	100.0	-	0.5	3.4	10.3	14.8	4.2	6.6	70	144	92.7	1.7	
a. Osteosarcoma	0	1	16	48	71	65	136	2.1	57.0	3.0	58.6	-	0.2	2.0	5.9	8.9	2.4	3.9	40	85	100.0	0.0	
b. Chondrosarcoma	0	0	0	2	6	2	8	0.1	1.8	0.2	3.4	-	-	-	0.2	0.8	0.1	0.2	1	5	100.0	0.0	
c. Ewing & related	0	1	8	27	27	36	63	1.2	31.6	1.4	27.2	-	0.2	1.0	3.3	3.4	1.3	1.8	22	39	100.0	0.0	
d. Other specified	0	0	1	1	3	2	5	0.1	1.8	0.1	2.2	-	-	0.1	0.1	0.4	0.1	0.1	1	3	100.0	0.0	
e. Unspecified	0	1	2	6	11	9	20	0.3	7.9	0.4	8.6	-	0.2	0.2	0.7	1.4	0.3	0.6	6	12	15.0	20.0	
IX SOFT TISSUE SARCOMA	14	33	33	62	85	142	227	4.6	100.0	5.0	100.0	9.4	5.4	4.1	7.6	10.7	5.9	7.0	89	143	100.0	0.0	
a. Rhabdomyosarcoma	6	24	18	20	18	68	86	2.2	47.9	1.9	37.9	4.0	3.9	2.2	2.4	2.3	3.0	2.8	43	54	100.0	0.0	
b. Fibrosarcoma	4	1	5	11	8	21	29	0.7	14.8	0.6	12.8	2.7	0.2	0.6	1.3	1.0	0.8	0.9	13	18	100.0	0.0	
c. Kaposi sarcoma	0	0	0	1	0	1	1	0.0	0.7	0.0	0.4	-	-	-	0.1	-	0.0	0.0	1	1	100.0	0.0	
d. Other specified	2	5	6	25	51	38	89	1.2	26.8	2.0	39.2	1.3	0.8	0.7	3.1	6.4	1.5	2.6	24	56	100.0	0.0	
e. Unspecified	2	3	4	5	8	14	22	0.4	9.9	0.5	9.7	1.3	0.5	0.5	0.6	1.0	0.6	0.7	9	14	100.0	0.0	
X GERM CELL TUMOURS	11	23	13	63	215	110	325	3.5	100.0	7.1	100.0	7.4	3.8	1.6	7.7	27.0	4.5	9.6	69	204	91.4	0.3	
a. CNS germ cell	0	2	4	5	2	11	13	0.4	10.0	0.3	4.0	-	0.3	0.5	0.6	0.3	0.4	0.4	7	8	100.0	0.0	
b. Other extragonadal	4	9	0	3	17	16	33	0.5	14.5	0.7	10.2	2.7	1.5	-	0.4	2.1	0.8	1.1	10	21	100.0	0.0	
c. Gonadal germ cell	7	9	8	43	163	67	230	2.2	60.9	5.0	70.8	4.7	1.5	1.0	5.3	20.5	2.7	6.7	42	144	100.0	0.0	
d. Gonadal carcinoma	0	0	0	6	14	6	20	0.2	5.5	0.4	6.2	-	-	-	0.7	1.8	0.2	0.6	4	12	100.0	0.0	
e. Unspecified gonadal	0	3	1	6	19	10	29	0.3	9.1	0.6	8.9	-	0.5	0.1	0.7	2.4	0.4	0.9	6	18	3.4	3.4	
XI CARCINOMA & MELANOMA	2	3	43	131	293	179	472	5.8	100.0	10.4	100.0	1.3	0.5	5.4	16.0	36.8	6.6	13.4	110	294	100.0	0.0	
a. Adrenocortical	0	0	0	1	0	1	1	0.0	0.6	0.0	0.2	-	-	-	0.1	-	0.0	0.0	1	1	100.0	0.0	
b. Thyroid	0	2	15	30	91	47	138	1.5	26.3	3.0	29.2	-	0.3	1.9	3.7	11.4	1.8	3.9	29	86	100.0	0.0	
c. Nasopharyngeal	0	0	12	58	56	70	126	2.2	39.1	2.8	26.7	-	-	1.5	7.1	7.0	2.5	3.6	43	78	100.0	0.0	
d. Melanoma	2	1	3	7	19	13	32	0.4	7.3	0.7	6.8	1.3	0.2	0.4	0.9	2.4	0.5	0.9	8	20	100.0	0.0	
e. Skin carcinoma	0	0	8	21	39	29	68	0.9	16.2	1.5	14.4	-	-	1.0	2.6	4.9	1.1	1.9	18	42	100.0	0.0	
f. Other & unspecified	0	0	5	14	88	19	107	0.6	10.6	2.3	22.7	-	-	0.6	1.7	11.1	0.7	3.0	12	67	100.0	0.0	
XII OTHER & UNSPECIFIED	17	45	29	40	110	131	241	4.2	100.0	5.3	100.0	11.5	7.4	3.6	4.9	13.8	5.7	7.6	83	152	4.1	16.6	
a. Other specified	0	0	0	0	6	0	6	-	-	0.1	2.5	-	-	-	-	0.8	-	0.2	-	4	4	100.0	0.0
b. Other unspecified	17	45	29	40	104	131	235	4.2	100.0	5.2	97.5	11.5	7.4	3.6	4.9	13.1	5.7	7.4	83	149	1.7	17.0	
TOTAL	201	1048	905	958	1443	3112	4555	100.0	100.0	100.0	100.0	135.6	171.4	112.7	117.0	181.4	133.9	144.6	1970	2877	91.2	1.4	

Please consult the quality indicators for this registry

COSTA RICA (1993-2012)

	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		
I LEUKAEMIA	23	313	210	129	169	675	844	58.8	54.9	1.2	1.3	25	239	181	131	70	576	646	52.0	44.4				
a. Lymphoid	12	268	184	97	121	561	682	49.0	44.6	1.2	1.3	14	212	154	97	47	477	524	43.3	36.3				
b. Acute myeloid	10	36	20	25	31	91	122	7.9	7.8	1.2	1.3	10	24	23	21	15	78	93	7.0	6.3				
c. CMD	0	5	3	3	6	11	17	0.9	1.1	1.2	1.5	1	1	2	5	2	9	11	0.7	0.7				
d. MDS & other	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.1	0.1				
e. Unspecified	1	4	3	4	11	12	23	1.0	1.4	1.1	1.4	0	2	2	7	6	11	17	0.9	1.0				
II LYMPHOMA & RELATED	2	55	111	107	143	275	418	21.8	24.8	2.0	1.6	1	27	39	71	125	138	263	11.3	16.0				
a. Hodgkin	0	10	59	52	78	121	199	9.2	11.4	1.9	1.3	0	9	21	34	90	64	154	5.1	9.2				
b. Non-Hodgkin except BL	0	28	36	41	60	105	165	8.4	9.8	2.6	2.4	0	9	7	25	28	41	69	3.3	4.2				
c. Burkitt (BL)	0	11	10	10	2	31	33	2.6	2.1	1.6	1.4	0	5	6	9	3	20	23	1.7	1.5				
d. Lymphoreticular	2	4	1	2	0	9	9	0.8	0.6	1.3	1.3	1	3	2	1	0	7	7	0.7	0.5				
e. Unspecified	0	2	5	2	3	9	12	0.7	0.7	1.5	1.2	0	1	3	2	4	6	10	0.5	0.6				
III CNS NEOPLASMS	9	66	90	60	46	225	271	18.7	17.0	1.1	1.1	17	64	76	48	47	205	252	18.2	16.8				
a. Ependymoma	0	14	10	8	3	32	35	2.7	2.3	1.3	1.3	4	13	7	1	1	25	26	2.4	1.9				
b. Astrocytoma	2	17	23	22	16	64	80	5.2	4.9	1.1	1.0	5	16	19	18	22	58	80	5.1	5.2				
c. CNS embryonal	1	19	28	23	9	71	80	5.8	5.0	1.1	1.1	4	20	24	14	10	62	72	5.5	4.8				
d. Other gliomas	2	1	5	3	8	11	19	0.9	1.1	0.9	1.1	1	3	4	4	5	12	17	1.0	1.1				
e. Other specified	0	1	0	0	1	1	2	0.1	0.1	0.5	1.0	0	0	1	1	0	2	2	0.2	0.1				
f. Unspecified CNS	4	14	24	4	9	46	55	3.9	3.6	1.0	1.0	3	12	21	10	9	46	55	4.0	3.6				
IV NEUROBLASTOMA	17	23	8	0	1	48	49	4.6	3.6	1.4	1.3	12	16	3	3	3	34	37	3.4	2.8				
a. (Ganglio)neuroblastoma	17	23	8	0	0	48	48	4.6	3.6	1.4	1.3	12	16	3	3	2	34	36	3.4	2.7				
b. Peripheral nervous	0	0	0	0	1	0	1	-	0.1	-	1.0	0	0	0	0	1	0	1	-	0.1				
V RETINOBLASTOMA	11	24	3	0	0	38	38	3.7	2.9	0.8	0.8	15	30	4	0	0	49	49	5.0	3.9				
VI RENAL TUMOURS	9	29	12	11	1	61	62	5.5	4.3	1.0	1.0	5	37	15	5	3	62	65	6.0	4.8				
a. Nephroblastoma	8	27	11	8	0	54	54	4.9	3.8	1.0	1.0	5	33	14	4	0	56	56	5.4	4.2				
b. Renal carcinoma	0	0	0	3	1	3	4	0.2	0.2	3.0	1.3	0	0	0	1	2	1	3	0.1	0.2				
c. Unspecified	1	2	1	0	0	4	4	0.4	0.3	0.8	0.7	0	4	1	0	1	5	6	0.5	0.4				
VII HEPATIC TUMOURS	5	11	3	11	11	30	41	2.6	2.6	1.5	1.8	6	7	5	2	3	20	23	1.9	1.7				
a. Hepatoblastoma	4	11	3	2	1	20	21	1.9	1.5	1.4	1.5	5	5	4	0	0	14	14	1.4	1.1				
b. Hepatic carcinoma	0	0	0	7	9	7	16	0.5	0.9	2.3	2.7	0	0	1	2	3	3	6	0.2	0.4				
c. Unspecified	1	0	0	2	1	3	4	0.2	0.2	1.0	1.3	1	2	0	0	0	3	3	0.3	0.2				
VIII BONE TUMOURS	0	2	14	37	73	53	126	3.9	7.0	0.9	1.2	0	1	13	47	45	61	106	4.6	6.2				
a. Osteosarcoma	0	1	9	19	46	29	75	2.1	4.2	0.8	1.2	0	0	7	29	25	36	61	2.7	3.5				
b. Chondrosarcoma	0	0	0	1	3	1	4	0.1	0.2	1.0	1.0	0	0	0	1	3	1	4	0.1	0.2				
c. Ewing & related	0	0	4	15	18	19	37	1.4	2.0	1.1	1.4	0	1	4	12	9	17	26	1.3	1.5				
d. Other specified	0	0	0	0	1	0	1	-	0.1	0.0	0.3	0	0	1	1	2	2	4	0.2	0.2				
e. Unspecified	0	1	1	2	5	4	9	0.3	0.5	0.8	0.8	0	0	1	4	6	5	11	0.4	0.6				
IX SOFT TISSUE SARCOMA	6	20	18	32	48	76	124	6.2	7.5	1.2	1.2	8	13	15	30	37	66	103	5.6	6.5				
a. Rhabdomyosarcoma	3	14	8	13	13	38	51	3.2	3.2	1.3	1.5	3	10	10	7	5	30	35	2.7	2.4				
b. Fibrosarcoma	1	0	4	4	4	9	13	0.7	0.8	0.8	0.8	3	1	1	7	4	12	16	1.0	1.0				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.1	0.1				
d. Other specified	1	4	3	11	28	19	47	1.5	2.7	1.0	1.1	1	1	3	14	23	19	42	1.5	2.5				
e. Unspecified	1	2	3	4	3	10	13	0.8	0.8	2.5	1.4	1	1	1	1	5	4	9	0.4	0.6				
X GERM CELL TUMOURS	7	12	4	16	149	39	188	3.3	10.8	0.5	1.4	4	11	9	47	66	71	137	5.7	8.3				
a. CNS germ cell	0	1	3	5	2	9	11	0.7	0.6	4.5	5.5	0	1	1	0	0	2	2	0.2	0.1				
b. Other extragonadal	0	2	0	0	14	2	16	0.2	0.9	0.1	0.9	4	7	0	3	3	14	17	1.4	1.2				
c. Gonadal germ cell	7	7	1	11	118	26	144	2.2	8.2	0.6	1.7	0	2	7	32	45	41	86	3.1	5.0				
d. Gonadal carcinoma	0	0	0	0	2	0	2	-	0.1	0.0	0.1	0	0	0	6	12	6	18	0.4	1.0				
e. Unspecified gonadal	0	2	0	0	13	2	15	0.2	0.9	0.3	1.1	0	1	1	6	6	8	14	0.6	0.8				
XI CARCINOMA & MELANOMA	2	0	21	79	112	102	214	7.3	11.8	1.3	0.8	0	3	22	52	181	77	258	5.9	15.1				
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.1	0.1				
b. Thyroid	0	0	3	6	15	9	24	0.6	1.3	0.2	0.2	0	2	12	24	76	38	114	2.9	6.7				
c. Nasopharyngeal	0	0	11	47	33	58	91	4.1	5.0	4.8	2.6	0	0	1	11	23	12	35	0.9	2.0				
d. Melanoma	2	0	2	4	5	8	13	0.6	0.8	1.6	0.7	0	1	1	3	14	5	19	0.4	1.1				
e. Skin carcinoma	0	0	2	13	23	15	38	1.1	2.1	1.1	1.3	0	0	6	8	16	14	30	1.1	1.8				
f. Other & unspecified	0	0	3	9	36	12	48	0.9	2.6	1.7	0.8	0	0	2	5	52	7	59	0.5	3.4				
XII OTHER & UNSPECIFIED	10	25	18	21	51	74	125	6.3	7.7	1.3	1.1	7	20	11	19	59	57	116	5.1	7.4				
a. Other specified	0	0	0	0	3	0	3	-	0.2	-	1.0	0	0	0	0	3	0	3	-	0.2				
b. Other unspecified	10	25	18	21	48	74	122	6.3	7.6	1.3	1.1	7	20	11	19	56	57	113	5.1	7.2				
TOTAL	101	580	512	503	804	1696	2500	142.6	154.9	1.2	1.2	100	468	393	455	639	1416	2055	124.8	133.8				

Please consult the quality indicators for this registry

COSTA RICA (1993-2012)

	Age group	Males	Females
Person-years	0	758 323	723 546
	1-4	3 131 817	2 983 830
	5-9	4 118 268	3 915 025
	10-14	4 200 494	3 989 587
	15-19	4 079 960	3 875 498
Total	0-14	12 208 902	11 611 988
	0-19	16 288 862	15 487 486
Average annual population	0-14	610 445	580 599
	0-19	814 443	774 374

Please consult the quality indicators for this registry