

## IRAN, Golestan (2004-2011)

	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	ASR	0-19			0-14	0-19
<b>I LEUKAEMIA</b>	6	49	59	50	51	164	215	45.6	100.0	34.8	100.0	24.9	55.2	55.1	37.1	30.2	47.4	43.5	704	855	100.0	0.0	
a. Lymphoid	3	29	40	34	24	106	130	29.4	64.6	21.0	60.5	12.4	32.7	37.4	25.2	14.2	30.3	26.7	455	525	100.0	0.0	
b. Acute myeloid	0	5	6	10	12	21	33	5.8	12.8	5.3	15.3	-	5.6	5.6	7.4	7.1	5.7	6.0	87	123	100.0	0.0	
c. CMD	0	1	0	0	1	1	2	0.3	0.6	0.3	0.9	-	1.1	-	-	0.6	0.3	0.4	4	7	100.0	0.0	
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified	3	14	13	6	14	36	50	10.0	22.0	8.1	23.3	12.4	15.8	12.1	4.4	8.3	11.0	10.4	158	200	100.0	0.0	
<b>II LYMPHOMA &amp; RELATED</b>	1	2	9	32	52	44	96	12.2	100.0	15.5	100.0	4.1	2.3	8.4	23.7	30.7	10.6	15.2	174	328	100.0	0.0	
a. Hodgkin	0	0	1	17	24	18	42	5.0	40.9	6.8	43.8	-	-	0.9	12.6	14.2	4.0	6.3	68	139	100.0	0.0	
b. Non-Hodgkin except BL	0	1	4	4	11	9	20	2.5	20.5	3.2	20.8	-	1.1	3.7	3.0	6.5	2.4	3.3	38	70	100.0	0.0	
c. Burkitt (BL)	0	0	1	3	0	4	4	1.1	9.1	0.6	4.2	-	-	0.9	2.2	-	0.9	0.7	16	16	100.0	0.0	
d. Lymphoreticular	1	0	0	1	0	2	2	0.6	4.5	0.3	2.1	4.1	-	-	0.7	-	0.6	0.4	8	8	100.0	0.0	
e. Unspecified	0	1	3	7	17	11	28	3.1	25.0	4.5	29.2	-	1.1	2.8	5.2	10.1	2.8	4.4	44	95	100.0	0.0	
<b>III CNS NEOPLASMS</b>	0	7	16	22	40	45	85	12.5	100.0	13.8	100.0	-	7.9	14.9	16.3	23.7	12.0	14.6	187	306	65.9	8.2	
a. Ependymoma	0	2	1	1	4	4	8	1.1	8.9	1.3	9.4	-	2.3	0.9	0.7	2.4	1.2	1.5	17	29	100.0	0.0	
b. Astrocytoma	0	1	4	11	10	16	26	4.4	35.6	4.2	30.6	-	1.1	3.7	8.2	5.9	3.9	4.4	64	93	100.0	0.0	
c. CNS embryonal	0	2	4	3	3	9	12	2.5	20.0	1.9	14.1	-	2.3	3.7	2.2	1.8	2.5	2.4	39	48	100.0	0.0	
d. Other gliomas	0	0	3	0	2	3	5	0.8	6.7	0.8	5.9	-	-	2.8	-	1.2	0.9	1.0	14	20	100.0	0.0	
e. Other specified	0	0	0	2	3	2	5	0.6	4.4	0.8	5.9	-	-	-	1.5	1.8	0.4	0.7	7	16	100.0	0.0	
f. Unspecified CNS	0	2	4	5	18	11	29	3.1	24.4	4.7	34.1	-	2.3	3.7	3.7	10.6	3.0	4.7	46	99	0.0	24.1	
<b>IV NEUROBLASTOMA</b>	0	5	3	0	0	8	8	2.2	100.0	1.3	100.0	-	5.6	2.8	-	-	2.6	2.0	36	36	100.0	0.0	
a. (Ganglio)neuroblastoma	0	5	3	0	0	8	8	2.2	100.0	1.3	100.0	-	5.6	2.8	-	-	2.6	2.0	36	36	100.0	0.0	
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>V RETINOBLASTOMA</b>	0	2	0	0	0	2	2	0.6	100.0	0.3	100.0	-	2.3	-	-	-	0.7	0.5	9	9	100.0	0.0	
<b>VI RENAL TUMOURS</b>	0	9	1	4	2	14	16	3.9	100.0	2.6	100.0	-	10.1	0.9	3.0	1.2	4.2	3.6	59	65	81.3	12.5	
a. Nephroblastoma	0	8	1	2	0	11	11	3.1	78.6	1.8	68.8	-	9.0	0.9	1.5	-	3.5	2.7	48	48	100.0	0.0	
b. Renal carcinoma	0	0	0	0	2	0	2	-	-	0.3	12.5	-	-	-	-	1.2	-	0.3	-	6	6	100.0	0.0
c. Unspecified	0	1	0	2	0	3	3	0.8	21.4	0.5	18.8	-	1.1	-	1.5	-	0.8	0.6	12	12	0.0	66.7	
<b>VII HEPATIC TUMOURS</b>	0	2	1	3	0	6	6	1.7	100.0	1.0	100.0	-	2.3	0.9	2.2	-	1.6	1.3	25	25	83.3	0.0	
a. Hepatoblastoma	0	2	0	1	0	3	3	0.8	50.0	0.5	50.0	-	2.3	-	0.7	-	0.9	0.7	13	13	100.0	0.0	
b. Hepatic carcinoma	0	0	1	1	0	2	2	0.6	33.3	0.3	33.3	-	-	0.9	0.7	-	0.5	0.4	8	8	100.0	0.0	
c. Unspecified	0	0	0	1	0	1	1	0.3	16.7	0.2	16.7	-	-	-	0.7	-	0.2	0.2	4	4	0.0	0.0	
<b>VIII BONE TUMOURS</b>	0	1	2	16	25	19	44	5.3	100.0	7.1	100.0	-	1.1	1.9	11.9	14.8	4.4	6.7	73	147	88.6	0.0	
a. Osteosarcoma	0	0	0	12	11	12	23	3.3	63.2	3.7	52.3	-	-	-	8.9	6.5	2.6	3.5	44	77	100.0	0.0	
b. Chondrosarcoma	0	0	0	1	5	1	6	0.3	5.3	1.0	13.6	-	-	-	0.7	3.0	0.2	0.8	4	18	100.0	0.0	
c. Ewing & related	0	0	2	2	2	4	6	1.1	21.1	1.0	13.6	-	-	1.9	1.5	1.2	1.0	1.1	17	23	100.0	0.0	
d. Other specified	0	1	0	0	2	1	3	0.3	5.3	0.5	6.8	-	1.1	-	-	1.2	0.3	0.5	4	10	100.0	0.0	
e. Unspecified	0	0	0	1	5	1	6	0.3	5.3	1.0	13.6	-	-	-	0.7	3.0	0.2	0.8	4	18	16.7	0.0	
<b>IX SOFT TISSUE SARCOMA</b>	0	10	2	2	15	14	29	3.9	100.0	4.7	100.0	-	11.3	1.9	1.5	8.9	4.5	5.5	61	105	100.0	0.0	
a. Rhabdomyosarcoma	0	5	1	1	2	7	9	1.9	50.0	1.5	31.0	-	5.6	0.9	0.7	1.2	2.2	2.0	31	36	100.0	0.0	
b. Fibrosarcoma	0	0	0	1	2	1	3	0.3	7.1	0.5	10.3	-	-	-	0.7	1.2	0.2	0.4	4	10	100.0	0.0	
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
d. Other specified	0	2	1	0	8	3	11	0.8	21.4	1.8	37.9	-	2.3	0.9	-	4.7	1.0	1.8	14	37	100.0	0.0	
e. Unspecified	0	3	0	0	3	3	6	0.8	21.4	1.0	20.7	-	3.4	-	-	1.8	1.0	1.2	13	22	100.0	0.0	
<b>X GERM CELL TUMOURS</b>	1	5	3	7	25	16	41	4.4	100.0	6.6	100.0	4.1	5.6	2.8	5.2	14.8	4.5	6.8	67	140	97.6	0.0	
a. CNS germ cell	0	0	0	2	0	2	2	0.6	12.5	0.3	4.9	-	-	-	1.5	-	0.4	0.3	7	7	100.0	0.0	
b. Other extragonadal	1	2	1	1	5	5	10	1.4	31.3	1.6	24.4	4.1	2.3	0.9	0.7	3.0	1.5	1.9	22	36	100.0	0.0	
c. Gonadal germ cell	0	3	2	4	14	9	23	2.5	56.3	3.7	56.1	-	3.4	1.9	3.0	8.3	2.5	3.8	37	79	100.0	0.0	
d. Gonadal carcinoma	0	0	0	0	4	0	4	-	-	0.6	9.8	-	-	-	-	2.4	-	0.5	-	12	12	100.0	0.0
e. Unspecified gonadal	0	0	0	0	2	0	2	-	-	0.3	4.9	-	-	-	-	1.2	-	0.3	-	6	6	50.0	0.0
<b>XI CARCINOMA &amp; MELANOMA</b>	0	2	4	5	25	11	36	3.1	100.0	5.8	100.0	-	2.3	3.7	3.7	14.8	3.0	5.6	46	120	100.0	0.0	
a. Adrenocortical	0	1	0	0	0	1	1	0.3	9.1	0.2	2.8	-	1.1	-	-	-	0.3	0.3	4	4	100.0	0.0	
b. Thyroid	0	0	1	1	8	2	10	0.6	18.2	1.6	27.8	-	-	0.9	0.7	4.7	0.5	1.5	8	32	100.0	0.0	
c. Nasopharyngeal	0	0	0	1	6	1	7	0.3	9.1	1.1	19.4	-	-	-	0.7	3.5	0.2	1.0	4	21	100.0	0.0	
d. Melanoma	0	0	0	0	1	0	1	-	-	0.2	2.8	-	-	-	-	0.6	-	0.1	-	3	3	100.0	0.0
e. Skin carcinoma	0	0	2	2	1	4	5	1.1	36.4	0.8	13.9	-	-	1.9	1.5	0.6	1.0	0.9	17	20	100.0	0.0	
f. Other & unspecified	0	1	1	1	9	3	12	0.8	27.3	1.9	33.3	-	1.1	0.9	0.7	5.3	0.9	1.9	13	39	100.0	0.0	
<b>XII OTHER &amp; UNSPECIFIED</b>	2	1	4	10	23	17	40	4.7	100.0	6.5	100.0	8.3	1.1	3.7	7.4	13.6	4.4	6.5	69	137	2.5	32.5	
a. Other specified	0	0	0	1	0	1	1	0.3	5.9	0.2	2.5	-	-	-	0.7	-	0.2	0.2	4	4	100.0	0.0	
b. Other unspecified	2	1	4	9	23	16	39	4.4	94.1	6.3	97.5	8.3	1.1	3.7	6.7	13.6	4.2	6.3	65	133	0.0	33.3	
<b>TOTAL</b>	10	95	104	151	258	360	618	100.0	100.0	100.0	100.0	41.5	107.0	97.1	111.9	152.6	99.8	111.7	1510	2273	87.4	3.6	

Please consult the quality indicators for this registry

## IRAN, Golestan (2004-2011)

	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>	3	33	37	28	31	101	132	57.9	53.0	1.6	1.6	3	16	22	22	20	63	83	36.4	33.7				
a. Lymphoid	2	21	26	19	14	68	82	38.9	33.8	1.8	1.7	1	8	14	15	10	38	48	21.5	19.3				
b. Acute myeloid	0	3	2	6	9	11	20	5.7	6.8	1.1	1.5	0	2	4	4	3	10	13	5.6	5.2				
c. CMD	0	1	0	0	1	1	2	0.7	0.8	-	-	0	0	0	0	0	0	0	-	-				
d. MDS & other	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
e. Unspecified	1	8	9	3	7	21	28	12.6	11.6	1.4	1.3	2	6	4	3	7	15	22	9.4	9.2				
<b>II LYMPHOMA &amp; RELATED</b>	1	2	5	24	33	32	65	15.1	20.3	2.7	2.1	0	0	4	8	19	12	31	6.0	9.8				
a. Hodgkin	0	0	1	13	14	14	28	6.1	8.4	3.5	2.0	0	0	0	4	10	4	14	1.8	4.1				
b. Non-Hodgkin except BL	0	1	2	3	7	6	13	3.1	4.2	2.0	1.9	0	0	2	1	4	3	7	1.7	2.4				
c. Burkitt (BL)	0	0	1	2	0	3	3	1.4	1.1	3.0	3.0	0	0	0	1	0	1	1	0.4	0.3				
d. Lymphoreticular	1	0	0	1	0	2	2	1.1	0.8	-	-	0	0	0	0	0	0	0	-	-				
e. Unspecified	0	1	1	5	12	7	19	3.4	5.7	1.8	2.1	0	0	2	2	5	4	9	2.1	3.0				
<b>III CNS NEOPLASMS</b>	0	4	9	13	26	26	52	13.5	17.3	1.4	1.6	0	3	7	9	14	19	33	10.3	11.8				
a. Ependymoma	0	1	1	0	3	2	5	1.3	1.8	1.0	1.7	0	1	0	1	1	2	3	1.1	1.2				
b. Astrocytoma	0	0	1	10	6	11	17	4.8	5.3	2.2	1.9	0	1	3	1	4	5	9	3.0	3.4				
c. CNS embryonal	0	2	3	1	3	6	9	3.5	3.5	2.0	3.0	0	0	1	2	0	3	3	1.5	1.2				
d. Other gliomas	0	0	2	0	1	2	3	1.2	1.2	2.0	1.5	0	0	1	0	1	1	2	0.6	0.7				
e. Other specified	0	0	0	0	2	0	2	-	0.5	0.0	0.7	0	0	0	2	1	2	3	0.9	1.0				
f. Unspecified CNS	0	1	2	2	11	5	16	2.7	5.0	0.8	1.2	0	1	2	3	7	6	13	3.2	4.4				
<b>IV NEUROBLASTOMA</b>	0	2	3	0	0	5	5	3.1	2.4	1.7	1.7	0	3	0	0	0	3	3	2.1	1.6				
a. (Ganglio)neuroblastoma	0	2	3	0	0	5	5	3.1	2.4	1.7	1.7	0	3	0	0	0	3	3	2.1	1.6				
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>V RETINOBLASTOMA</b>	0	1	0	0	0	1	1	0.7	0.5	1.0	1.0	0	1	0	0	0	1	1	0.7	0.5				
<b>VI RENAL TUMOURS</b>	0	6	0	3	0	9	9	5.3	4.1	1.8	1.3	0	3	1	1	2	5	7	3.2	3.0				
a. Nephroblastoma	0	6	0	2	0	8	8	4.9	3.8	2.7	2.7	0	2	1	0	0	3	3	2.0	1.6				
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	0.5				
c. Unspecified	0	0	0	1	0	1	1	0.4	0.3	0.5	0.5	0	1	0	1	0	2	2	1.1	0.9				
<b>VII HEPATIC TUMOURS</b>	0	0	0	2	0	2	2	0.8	0.7	0.5	0.5	0	2	1	1	0	4	4	2.5	1.9				
a. Hepatoblastoma	0	0	0	1	0	1	1	0.4	0.3	0.5	0.5	0	2	0	0	0	2	2	1.4	1.1				
b. Hepatic carcinoma	0	0	0	1	0	1	1	0.4	0.3	1.0	1.0	0	0	1	0	0	1	1	0.6	0.5				
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.4	0.3				
<b>VIII BONE TUMOURS</b>	0	1	1	8	16	10	26	4.6	7.8	1.1	1.4	0	0	1	8	9	9	18	4.1	5.6				
a. Osteosarcoma	0	0	0	5	7	5	12	2.1	3.5	0.7	1.1	0	0	0	7	4	7	11	3.1	3.5				
b. Chondrosarcoma	0	0	0	1	3	1	4	0.4	1.1	-	2.0	0	0	0	0	2	0	2	-	0.5				
c. Ewing & related	0	0	1	1	0	2	2	1.0	0.8	1.0	0.5	0	0	1	1	2	2	4	1.1	1.4				
d. Other specified	0	1	0	0	2	1	3	0.7	1.0	-	-	0	0	0	0	0	0	0	-	-				
e. Unspecified	0	0	1	4	1	5	5	0.4	1.4	-	5.0	0	0	0	0	1	0	1	-	0.3				
<b>IX SOFT TISSUE SARCOMA</b>	0	6	2	1	5	9	14	5.6	5.7	1.8	0.9	0	4	0	1	10	5	15	3.2	5.2				
a. Rhabdomyosarcoma	0	4	1	0	1	5	6	3.3	2.8	2.5	2.0	0	1	0	1	1	2	3	1.1	1.2				
b. Fibrosarcoma	0	0	0	1	2	1	3	0.4	0.8	-	-	0	0	0	0	0	0	0	-	-				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	0	1	1	0	1	2	3	1.3	1.2	2.0	0.4	0	1	0	0	7	1	8	0.7	2.4				
e. Unspecified	0	1	0	0	1	1	2	0.7	0.8	0.5	0.5	0	2	0	0	2	2	4	1.4	1.6				
<b>X GERM CELL TUMOURS</b>	0	3	1	2	9	6	15	3.5	5.0	0.6	0.6	1	2	2	5	16	10	26	5.5	8.6				
a. CNS germ cell	0	0	0	1	0	1	1	0.4	0.3	1.0	1.0	0	0	0	1	0	1	1	0.4	0.3				
b. Other extragonadal	0	1	0	0	0	1	1	0.7	0.5	0.3	0.1	1	1	1	1	5	4	9	2.5	3.3				
c. Gonadal germ cell	0	2	1	1	8	4	12	2.4	3.9	0.8	1.1	0	1	1	3	6	5	11	2.6	3.7				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	4	0	4	-	1.1				
e. Unspecified gonadal	0	0	0	0	1	0	1	-	0.3	-	1.0	0	0	0	0	1	0	1	-	0.3				
<b>XI CARCINOMA &amp; MELANOMA</b>	0	1	3	5	10	9	19	4.6	6.1	4.5	1.1	0	1	1	0	15	2	17	1.3	5.1				
a. Adrenocortical	0	1	0	0	0	1	1	0.7	0.5	-	-	0	0	0	0	0	0	0	-	-				
b. Thyroid	0	0	0	1	1	1	2	0.4	0.6	1.0	0.3	0	0	1	0	7	1	8	0.6	2.4				
c. Nasopharyngeal	0	0	0	1	2	1	3	0.4	0.8	-	0.8	0	0	0	0	4	0	4	-	1.1				
d. Melanoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.3				
e. Skin carcinoma	0	0	2	2	1	4	5	2.0	1.8	-	-	0	0	0	0	0	0	0	-	-				
f. Other & unspecified	0	0	1	1	6	2	8	1.0	2.4	2.0	2.0	0	1	0	0	3	1	4	0.7	1.4				
<b>XII OTHER &amp; UNSPECIFIED</b>	2	0	2	6	12	10	22	5.1	7.1	1.4	1.2	0	1	2	4	11	7	18	3.7	5.8				
a. Other specified	0	0	0	1	0	1	1	0.4	0.3	-	-	0	0	0	0	0	0	0	-	-				
b. Other unspecified	2	0	2	5	12	9	21	4.6	6.7	1.3	1.2	0	1	2	4	11	7	18	3.7	5.8				
<b>TOTAL</b>	6	59	63	92	142	220	362	119.9	130.0	1.6	1.4	4	36	41	59	116	140	256	79.0	92.7				

Please consult the quality indicators for this registry

## IRAN, Golestan (2004-2011)

	Age group	Males	Females
Person-years	0	122 784	118 443
	1-4	452 631	434 982
	5-9	545 259	525 494
	10-14	686 810	662 201
	15-19	862 226	828 976
Total	0-14	1 807 484	1 741 120
	0-19	2 669 710	2 570 096
Average annual population	0-14	225 936	217 640
	0-19	333 714	321 262

Please consult the quality indicators for this registry