

## SAUDI ARABIA, Riyadh, Non-Saudis (1994-2012)

	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
<b>I LEUKAEMIA</b>	14	149	82	56	54	301	355	39.9	100.0	36.6	100.0	35.5	85.5	42.4	34.5	44.3	53.2	51.2	766	987	98.0	0.6
a. Lymphoid	9	118	64	36	32	227	259	30.1	75.4	26.7	73.0	22.8	67.7	33.1	22.2	26.3	40.1	37.0	573	705	98.1	0.4
b. Acute myeloid	4	25	12	16	15	57	72	7.6	18.9	7.4	20.3	10.1	14.3	6.2	9.9	12.3	10.1	10.6	148	210	98.6	0.0
c. CMD	0	0	1	4	6	5	11	0.7	1.7	1.1	3.1	-	-	0.5	2.5	4.9	0.9	1.8	15	40	100.0	0.0
d. MDS & other	0	2	0	0	0	2	2	0.3	0.7	0.2	0.6	-	1.1	-	-	-	0.4	0.3	5	5	100.0	0.0
e. Unspecified	1	4	5	0	1	10	11	1.3	3.3	1.1	3.1	2.5	2.3	2.6	-	0.8	1.7	1.5	25	29	90.9	9.1
<b>II LYMPHOMA &amp; RELATED</b>	1	27	31	50	50	109	159	14.5	100.0	16.4	100.0	2.5	15.5	16.0	30.8	41.1	19.2	24.1	300	505	99.4	0.0
a. Hodgkin	1	4	15	31	32	51	83	6.8	46.8	8.6	52.2	2.5	2.3	7.7	19.1	26.3	9.0	12.9	146	277	100.0	0.0
b. Non-Hodgkin except BL	0	10	11	14	16	35	51	4.6	32.1	5.3	32.1	-	5.7	5.7	8.6	13.1	6.2	7.7	95	161	98.0	0.0
c. Burkitt (BL)	0	13	5	3	1	21	22	2.8	19.3	2.3	13.8	-	7.5	2.6	1.9	0.8	3.7	3.1	53	57	100.0	0.0
d. Lymphoreticular	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	0	0	0	2	1	2	3	0.3	1.8	0.3	1.9	-	-	-	1.2	0.8	0.4	0.5	6	10	100.0	0.0
<b>III CNS NEOPLASMS</b>	1	19	36	37	20	93	113	12.3	100.0	11.6	100.0	2.5	10.9	18.6	22.8	16.4	16.2	16.3	254	336	86.7	0.9
a. Ependymoma	0	5	1	6	2	12	14	1.6	12.9	1.4	12.4	-	2.9	0.5	3.7	1.6	2.1	2.0	33	41	100.0	0.0
b. Astrocytoma	0	2	8	9	3	19	22	2.5	20.4	2.3	19.5	-	1.1	4.1	5.6	2.5	3.3	3.1	53	65	95.5	4.5
c. CNS embryonal	1	9	20	11	6	41	47	5.4	44.1	4.8	41.6	2.5	5.2	10.3	6.8	4.9	7.1	6.6	109	134	100.0	0.0
d. Other gliomas	0	3	5	10	5	18	23	2.4	19.4	2.4	20.4	-	1.7	2.6	6.2	4.1	3.2	3.4	51	71	43.5	0.0
e. Other specified	0	0	2	1	3	3	6	0.4	3.2	0.6	5.3	-	-	1.0	0.6	2.5	0.5	1.0	8	21	100.0	0.0
f. Unspecified CNS	0	0	0	0	1	0	1	-	-	0.1	0.9	-	-	-	-	0.8	-	0.2	-	4	0.0	0.0
<b>IV NEUROBLASTOMA</b>	7	16	6	1	2	30	32	4.0	100.0	3.3	100.0	17.7	9.2	3.1	0.6	1.6	5.3	4.5	72	81	96.9	0.0
a. (Ganglio)neuroblastoma	7	16	6	1	2	30	32	4.0	100.0	3.3	100.0	17.7	9.2	3.1	0.6	1.6	5.3	4.5	72	81	96.9	0.0
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>V RETINOBLASTOMA</b>	12	31	2	1	0	46	46	6.1	100.0	4.7	100.0	30.4	17.8	1.0	0.6	-	8.3	6.4	109	109	89.1	0.0
<b>VI RENAL TUMOURS</b>	0	24	4	0	0	28	28	3.7	100.0	2.9	100.0	-	13.8	2.1	-	-	5.0	3.9	66	66	92.9	3.6
a. Nephroblastoma	0	24	4	0	0	28	28	3.7	100.0	2.9	100.0	-	13.8	2.1	-	-	5.0	3.9	66	66	92.9	3.6
b. Renal carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>VII HEPATIC TUMOURS</b>	6	4	1	3	1	14	15	1.9	100.0	1.5	100.0	15.2	2.3	0.5	1.9	0.8	2.5	2.1	35	39	80.0	0.0
a. Hepatoblastoma	5	3	0	0	0	8	8	1.1	57.1	0.8	53.3	12.7	1.7	-	-	-	1.4	1.1	19	19	100.0	0.0
b. Hepatic carcinoma	1	1	1	3	1	6	7	0.8	42.9	0.7	46.7	2.5	0.6	0.5	1.9	0.8	1.1	1.0	17	21	57.1	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>VIII BONE TUMOURS</b>	0	7	12	27	24	46	70	6.1	100.0	7.2	100.0	-	4.0	6.2	16.7	19.7	8.1	10.7	131	229	97.1	0.0
a. Osteosarcoma	0	3	5	22	13	30	43	4.0	65.2	4.4	61.4	-	1.7	2.6	13.6	10.7	5.3	6.5	88	141	95.3	0.0
b. Chondrosarcoma	0	0	0	0	1	0	1	-	-	0.1	1.4	-	-	-	-	0.8	-	0.2	-	4	100.0	0.0
c. Ewing & related	0	2	6	5	8	13	21	1.7	28.3	2.2	30.0	-	1.1	3.1	3.1	6.6	2.3	3.2	36	68	100.0	0.0
d. Other specified	0	1	0	0	1	1	2	0.1	2.2	0.2	2.9	-	0.6	-	-	0.8	0.2	0.3	2	6	100.0	0.0
e. Unspecified	0	1	1	0	1	2	3	0.3	4.3	0.3	4.3	-	0.6	0.5	-	0.8	0.3	0.5	5	9	100.0	0.0
<b>IX SOFT TISSUE SARCOMA</b>	5	15	7	13	16	40	56	5.3	100.0	5.8	100.0	12.7	8.6	3.6	8.0	13.1	7.1	8.5	105	171	100.0	0.0
a. Rhabdomyosarcoma	2	10	4	9	4	25	29	3.3	62.5	3.0	51.8	5.1	5.7	2.1	5.6	3.3	4.5	4.2	66	83	100.0	0.0
b. Fibrosarcoma	1	2	0	0	1	3	4	0.4	7.5	0.4	7.1	2.5	1.1	-	-	0.8	0.5	0.6	7	11	100.0	0.0
c. Kaposi sarcoma	0	1	0	0	0	1	1	0.1	2.5	0.1	1.8	-	0.6	-	-	-	0.2	0.1	2	2	100.0	0.0
d. Other specified	1	0	2	2	11	5	16	0.7	12.5	1.6	28.6	2.5	-	1.0	1.2	9.0	0.9	2.7	14	59	100.0	0.0
e. Unspecified	1	2	1	2	0	6	6	0.8	15.0	0.6	10.7	2.5	1.1	0.5	1.2	-	1.1	0.8	16	16	100.0	0.0
<b>X GERM CELL TUMOURS</b>	4	7	3	0	10	14	24	1.9	100.0	2.5	100.0	10.1	4.0	1.5	-	8.2	2.5	3.8	33	75	100.0	0.0
a. CNS germ cell	0	0	2	0	0	2	2	0.3	14.3	0.2	8.3	-	-	1.0	-	-	0.3	0.3	5	5	100.0	0.0
b. Other extragonadal	3	4	0	0	1	7	8	0.9	50.0	0.8	33.3	7.6	2.3	-	-	0.8	1.3	1.2	16	20	100.0	0.0
c. Gonadal germ cell	1	3	1	0	8	5	13	0.7	35.7	1.3	54.2	2.5	1.7	0.5	-	6.6	0.9	2.2	12	45	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	-	0.1	4.2	-	-	-	-	0.8	-	0.2	-	4	100.0	0.0
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>XI CARCINOMA &amp; MELANOMA</b>	1	1	10	16	35	28	63	3.7	100.0	6.5	100.0	2.5	0.6	5.2	9.9	28.7	4.9	10.3	80	224	100.0	0.0
a. Adrenocortical	0	0	0	1	0	1	1	0.1	3.6	0.1	1.6	-	-	-	0.6	-	0.2	0.1	3	3	100.0	0.0
b. Thyroid	0	0	1	5	16	6	22	0.8	21.4	2.3	34.9	-	-	0.5	3.1	13.1	1.1	3.8	18	84	100.0	0.0
c. Nasopharyngeal	0	0	0	6	5	6	11	0.8	21.4	1.1	17.5	-	-	-	3.7	4.1	1.1	1.8	19	39	100.0	0.0
d. Melanoma	1	0	0	1	0	2	2	0.3	7.1	0.2	3.2	2.5	-	-	0.6	-	0.4	0.3	5	5	100.0	0.0
e. Skin carcinoma	0	0	3	1	3	4	7	0.5	14.3	0.7	11.1	-	-	1.5	0.6	2.5	0.7	1.1	11	23	100.0	0.0
f. Other & unspecified	0	1	6	2	11	9	20	1.2	32.1	2.1	31.7	-	0.6	3.1	1.2	9.0	1.5	3.2	24	69	100.0	0.0
<b>XII OTHER &amp; UNSPECIFIED</b>	0	3	0	2	4	5	9	0.7	100.0	0.9	100.0	-	1.7	-	1.2	3.3	0.9	1.4	13	30	55.6	22.2
a. Other specified	0	0	0	0	2	0	2	-	-	0.2	22.2	-	-	-	-	1.6	-	0.4	-	8	100.0	0.0
b. Other unspecified	0	3	0	2	2	5	7	0.7	100.0	0.7	77.8	-	1.7	-	1.2	1.6	0.9	1.1	13	21	42.9	28.6
<b>TOTAL</b>	51	303	194	206	216	754	970	100.0	100.0	100.0	100.0	129.1	173.8	100.2	127.1	177.4	133.3	143.2	1964	2851	95.9	0.6

Please consult the quality indicators for this registry

## SAUDI ARABIA, Riyadh, Non-Saudis (1994-2012)

	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>	5	69	46	39	30	159	189	54.5	52.9	1.1	1.1	9	80	36	17	24	142	166	51.8	49.4		
a. Lymphoid	3	49	32	23	18	107	125	36.6	34.8	0.9	0.9	6	69	32	13	14	120	134	43.8	39.3		
b. Acute myeloid	2	17	10	13	8	42	50	14.4	14.0	2.8	2.3	2	8	2	3	7	15	22	5.5	7.0		
c. CMD	0	0	1	3	3	4	7	1.4	2.1	4.0	1.8	0	0	0	1	3	1	4	0.4	1.4		
d. MDS & other	0	2	0	0	0	2	2	0.7	0.5	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	1	3	0	1	4	5	1.3	1.4	0.7	0.8	1	3	2	0	0	6	6	2.2	1.7		
<b>II LYMPHOMA &amp; RELATED</b>	0	20	24	28	33	72	105	24.5	30.7	1.9	1.9	1	7	7	22	17	37	54	13.5	17.0		
a. Hodgkin	0	4	10	15	20	29	49	9.9	14.7	1.3	1.4	1	0	5	16	12	22	34	8.0	10.8		
b. Non-Hodgkin except BL	0	7	11	8	11	26	37	8.8	10.7	2.9	2.6	0	3	0	6	5	9	14	3.3	4.5		
c. Burkitt (BL)	0	9	3	3	1	15	16	5.2	4.4	2.5	2.7	0	4	2	0	0	6	6	2.2	1.7		
d. Lymphoreticular	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	2	1	2	3	0.7	0.9	-	-	0	0	0	0	0	0	0	-	-		
<b>III CNS NEOPLASMS</b>	1	10	22	25	12	58	70	19.7	19.5	1.7	1.6	0	9	14	12	8	35	43	12.6	12.9		
a. Ependymoma	0	5	1	5	1	11	12	3.8	3.3	11.0	6.0	0	0	0	1	1	1	2	0.4	0.7		
b. Astrocytoma	0	0	4	5	3	9	12	3.0	3.4	0.9	1.2	0	2	4	4	0	10	10	3.6	2.8		
c. CNS embryonal	1	5	12	5	3	23	26	7.7	7.1	1.3	1.2	0	4	8	6	3	18	21	6.5	6.2		
d. Other gliomas	0	0	4	9	3	13	16	4.4	4.5	2.6	2.3	0	3	1	1	2	5	7	1.8	2.2		
e. Other specified	0	0	1	1	1	2	3	0.7	0.9	2.0	1.0	0	0	1	0	2	1	3	0.3	1.0		
f. Unspecified CNS	0	0	0	0	1	0	1	-	0.4	-	-	0	0	0	0	0	0	0	-	-		
<b>IV NEUROBLASTOMA</b>	4	7	3	1	0	15	15	5.2	4.0	1.0	0.9	3	9	3	0	2	15	17	5.5	5.0		
a. (Ganglio)neuroblastoma	4	7	3	1	0	15	15	5.2	4.0	1.0	0.9	3	9	3	0	2	15	17	5.5	5.0		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>V RETINOBLASTOMA</b>	5	16	2	1	0	24	24	8.4	6.5	1.1	1.1	7	15	0	0	0	22	22	8.2	6.4		
<b>VI RENAL TUMOURS</b>	0	12	0	0	0	12	12	4.2	3.3	0.8	0.8	0	12	4	0	0	16	16	5.8	4.5		
a. Nephroblastoma	0	12	0	0	0	12	12	4.2	3.3	0.8	0.8	0	12	4	0	0	16	16	5.8	4.5		
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	-	-		
<b>VII HEPATIC TUMOURS</b>	4	4	1	1	0	10	10	3.5	2.7	2.5	2.0	2	0	0	2	1	4	5	1.5	1.5		
a. Hepatoblastoma	3	3	0	0	0	6	6	2.1	1.6	3.0	3.0	2	0	0	0	0	2	2	0.7	0.6		
b. Hepatic carcinoma	1	1	1	1	0	4	4	1.4	1.1	2.0	1.3	0	0	0	2	1	2	3	0.7	1.0		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>VIII BONE TUMOURS</b>	0	3	7	10	17	20	37	6.8	11.3	0.8	1.1	0	4	5	17	7	26	33	9.5	10.1		
a. Osteosarcoma	0	2	3	8	8	13	21	4.5	6.3	0.8	1.0	0	1	2	14	5	17	22	6.2	6.8		
b. Chondrosarcoma	0	0	0	0	1	0	1	-	0.4	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	0	4	2	7	6	13	2.0	4.0	0.9	1.6	0	2	2	3	1	7	8	2.5	2.4		
d. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	1	1	2	0.4	0.7		
e. Unspecified	0	1	0	0	1	1	2	0.4	0.6	1.0	2.0	0	0	1	0	0	1	1	0.3	0.3		
<b>IX SOFT TISSUE SARCOMA</b>	2	11	1	4	9	18	27	6.3	8.1	0.8	0.9	3	4	6	9	7	22	29	8.0	8.9		
a. Rhabdomyosarcoma	1	8	0	2	2	11	13	3.9	3.7	0.8	0.8	1	2	4	7	2	14	16	5.1	4.7		
b. Fibrosarcoma	0	0	0	0	0	0	0	-	-	0.0	0.0	1	2	0	0	1	3	4	1.1	1.3		
c. Kaposi sarcoma	0	1	0	0	0	1	1	0.4	0.3	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	0	0	0	2	7	2	9	0.7	3.0	0.7	1.3	1	0	2	0	4	3	7	1.1	2.4		
e. Unspecified	1	2	1	0	0	4	4	1.4	1.1	2.0	2.0	0	0	0	2	0	2	2	0.7	0.6		
<b>X GERM CELL TUMOURS</b>	2	4	1	0	6	7	13	2.4	4.0	1.0	1.2	2	3	2	0	4	7	11	2.6	3.5		
a. CNS germ cell	0	0	1	0	0	1	1	0.3	0.3	1.0	1.0	0	0	1	0	0	1	1	0.3	0.3		
b. Other extragonadal	1	1	0	0	0	2	2	0.7	0.5	0.4	0.3	2	3	0	0	1	5	6	1.9	1.8		
c. Gonadal germ cell	1	3	0	0	6	4	10	1.4	3.2	4.0	3.3	0	0	1	0	2	1	3	0.3	1.0		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.4		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>XI CARCINOMA &amp; MELANOMA</b>	0	0	5	9	13	14	27	4.7	8.3	1.0	0.8	1	1	5	7	22	14	36	5.1	12.4		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.4	0.3		
b. Thyroid	0	0	1	3	3	4	7	1.4	2.1	2.0	0.5	0	0	0	2	13	2	15	0.7	5.6		
c. Nasopharyngeal	0	0	0	5	3	5	8	1.7	2.4	5.0	2.7	0	0	0	1	2	1	3	0.4	1.1		
d. Melanoma	0	0	0	0	0	0	0	-	-	0.0	0.0	1	0	0	1	0	2	2	0.7	0.6		
e. Skin carcinoma	0	0	0	1	2	1	3	0.3	1.0	0.3	0.8	0	0	3	0	1	3	4	1.0	1.2		
f. Other & unspecified	0	0	4	0	5	4	9	1.3	2.8	0.8	0.8	0	1	2	2	6	5	11	1.8	3.7		
<b>XII OTHER &amp; UNSPECIFIED</b>	0	1	0	1	2	2	4	0.7	1.3	0.7	0.8	0	2	0	1	2	3	5	1.1	1.6		
a. Other specified	0	0	0	0	1	0	1	-	0.4	-	1.0	0	0	0	0	1	0	1	-	0.4		
b. Other unspecified	0	1	0	1	1	2	3	0.7	0.9	0.7	0.8	0	2	0	1	1	3	4	1.1	1.3		
<b>TOTAL</b>	23	157	112	119	122	411	533	140.9	152.5	1.2	1.2	28	146	82	87	94	343	437	125.2	133.3		

Please consult the quality indicators for this registry

## SAUDI ARABIA, Riyadh, Non-Saudis (1994-2012)

	Age group	Males	Females
Person-years	0	203 761	191 157
	1-4	896 192	847 047
	5-9	995 396	940 410
	10-14	837 167	783 964
	15-19	634 728	582 962
Total	0-14	2 932 516	2 762 578
	0-19	3 567 244	3 345 540
Average annual population	0-14	154 343	145 399
	0-19	187 750	176 081

Please consult the quality indicators for this registry