

## BOTSWANA (1999-2007)

	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>	1	12	21	16	22	50	72	16.0	100.0	16.0	100.0	2.6	7.7	11.0	8.6	12.4	8.7	9.5	132	194	100.0	0.0	
a. Lymphoid	0	10	14	5	10	29	39	9.3	58.0	8.7	54.2	-	6.4	7.4	2.7	5.6	5.1	5.3	76	104	100.0	0.0	
b. Acute myeloid	1	2	7	6	7	16	23	5.1	32.0	5.1	31.9	2.6	1.3	3.7	3.2	3.9	2.7	3.0	42	62	100.0	0.0	
c. CMD	0	0	0	1	1	1	2	0.3	2.0	0.4	2.8	-	-	-	0.5	0.6	0.2	0.2	3	6	100.0	0.0	
d. MDS & other	0	0	0	1	1	1	2	0.3	2.0	0.4	2.8	-	-	-	0.5	0.6	0.2	0.2	3	6	100.0	0.0	
e. Unspecified	0	0	0	3	3	3	6	1.0	6.0	1.3	8.3	-	-	-	1.6	1.7	0.5	0.7	8	17	100.0	0.0	
<b>II LYMPHOMA &amp; RELATED</b>	0	11	19	15	19	45	64	14.4	100.0	14.2	100.0	-	7.0	10.0	8.1	10.7	7.8	8.4	119	172	100.0	0.0	
a. Hodgkin	0	3	4	8	9	15	24	4.8	33.3	5.3	37.5	-	1.9	2.1	4.3	5.1	2.5	3.1	40	65	100.0	0.0	
b. Non-Hodgkin except BL	0	3	12	5	9	20	29	6.4	44.4	6.4	45.3	-	1.9	6.3	2.7	5.1	3.4	3.8	53	78	100.0	0.0	
c. Burkitt (BL)	0	3	0	0	0	3	3	1.0	6.7	0.7	4.7	-	1.9	-	-	-	0.6	0.5	8	8	100.0	0.0	
d. Lymphoreticular	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e. Unspecified	0	2	3	2	1	7	8	2.2	15.6	1.8	12.5	-	1.3	1.6	1.1	0.6	1.2	1.1	18	21	100.0	0.0	
<b>III CNS NEOPLASMS</b>	0	3	14	15	6	32	38	10.3	100.0	8.4	100.0	-	1.9	7.4	8.1	3.4	5.3	4.9	85	102	84.2	13.2	
a. Ependymoma	0	0	0	0	1	0	1	-	-	0.2	2.6	-	-	-	-	0.6	-	0.1	-	3	3	100.0	0.0
b. Astrocytoma	0	1	3	6	3	10	13	3.2	31.3	2.9	34.2	-	0.6	1.6	3.2	1.7	1.6	1.7	27	35	100.0	0.0	
c. CNS embryonal	0	1	6	4	1	11	12	3.5	34.4	2.7	31.6	-	0.6	3.2	2.2	0.6	1.8	1.6	29	32	100.0	0.0	
d. Other gliomas	0	0	2	2	1	4	5	1.3	12.5	1.1	13.2	-	-	1.1	1.1	0.6	0.7	0.6	11	13	100.0	0.0	
e. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
f. Unspecified CNS	0	1	3	3	0	7	7	2.2	21.9	1.6	18.4	-	0.6	1.6	1.6	-	1.2	0.9	19	19	14.3	71.4	
<b>IV NEUROBLASTOMA</b>	0	7	0	0	1	7	8	2.2	100.0	1.8	100.0	-	4.5	-	-	0.6	1.4	1.2	18	21	100.0	0.0	
a. (Ganglio)neuroblastoma	0	7	0	0	0	7	7	2.2	100.0	1.6	87.5	-	4.5	-	-	-	1.4	1.1	18	18	100.0	0.0	
b. Peripheral nervous	0	0	0	0	1	0	1	-	-	0.2	12.5	-	-	-	-	0.6	-	0.1	-	3	3	100.0	0.0
<b>V RETINOBLASTOMA</b>	0	21	1	0	0	22	22	7.1	100.0	4.9	100.0	-	13.5	0.5	-	-	4.4	3.4	57	57	100.0	0.0	
<b>VI RENAL TUMOURS</b>	1	13	7	2	2	23	25	7.4	100.0	5.6	100.0	2.6	8.3	3.7	1.1	1.1	4.3	3.6	60	65	96.0	4.0	
a. Nephroblastoma	1	13	7	2	0	23	23	7.4	100.0	5.1	92.0	2.6	8.3	3.7	1.1	-	4.3	3.3	60	60	95.7	4.3	
b. Renal carcinoma	0	0	0	0	2	0	2	-	-	0.4	8.0	-	-	-	-	1.1	-	0.3	-	6	6	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>VII HEPATIC TUMOURS</b>	2	2	0	1	3	5	8	1.6	100.0	1.8	100.0	5.2	1.3	-	0.5	1.7	1.0	1.1	13	21	75.0	12.5	
a. Hepatoblastoma	1	2	0	0	0	3	3	1.0	60.0	0.7	37.5	2.6	1.3	-	-	-	0.6	0.5	8	8	100.0	0.0	
b. Hepatic carcinoma	0	0	0	1	3	1	4	0.3	20.0	0.9	50.0	-	-	-	0.5	1.7	0.2	0.5	3	11	75.0	0.0	
c. Unspecified	1	0	0	0	0	1	1	0.3	20.0	0.2	12.5	2.6	-	-	-	-	0.2	0.2	3	3	0.0	100.0	
<b>VIII BONE TUMOURS</b>	0	1	4	15	21	20	41	6.4	100.0	9.1	100.0	-	0.6	2.1	8.1	11.8	3.2	5.2	54	113	100.0	0.0	
a. Osteosarcoma	0	0	2	9	13	11	24	3.5	55.0	5.3	58.5	-	-	1.1	4.9	7.3	1.7	3.0	30	66	100.0	0.0	
b. Chondrosarcoma	0	0	0	3	0	3	3	1.0	15.0	0.7	7.3	-	-	-	1.6	-	0.5	0.4	8	8	100.0	0.0	
c. Ewing & related	0	0	0	0	4	0	4	-	-	0.9	9.8	-	-	-	-	2.3	-	0.5	-	11	11	100.0	0.0
d. Other specified	0	0	1	3	4	4	8	1.3	20.0	1.8	19.5	-	-	0.5	1.6	2.3	0.6	1.0	11	22	100.0	0.0	
e. Unspecified	0	1	1	0	0	2	2	0.6	10.0	0.4	4.9	-	0.6	0.5	-	-	0.4	0.3	5	5	100.0	0.0	
<b>IX SOFT TISSUE SARCOMA</b>	1	13	33	21	27	68	95	21.8	100.0	21.1	100.0	2.6	8.3	17.3	11.3	15.2	11.7	12.5	179	255	60.0	15.8	
a. Rhabdomyosarcoma	0	2	5	5	1	12	13	3.8	17.6	2.9	13.7	-	1.3	2.6	2.7	0.6	2.0	1.7	32	35	100.0	0.0	
b. Fibrosarcoma	1	0	2	0	0	3	3	1.0	4.4	0.7	3.2	2.6	-	1.1	-	-	0.5	0.4	8	8	100.0	0.0	
c. Kaposi sarcoma	0	8	24	13	19	45	64	14.4	66.2	14.2	67.4	-	5.1	12.6	7.0	10.7	7.7	8.4	119	172	40.6	23.4	
d. Other specified	0	3	2	2	5	7	12	2.2	10.3	2.7	12.6	-	1.9	1.1	1.1	2.8	1.2	1.6	18	32	100.0	0.0	
e. Unspecified	0	0	0	1	2	1	3	0.3	1.5	0.7	3.2	-	-	-	0.5	1.1	0.2	0.4	3	8	100.0	0.0	
<b>X GERM CELL TUMOURS</b>	0	3	1	4	6	8	14	2.6	100.0	3.1	100.0	-	1.9	0.5	2.2	3.4	1.4	1.8	21	38	100.0	0.0	
a. CNS germ cell	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Other extragonadal	0	1	0	0	1	1	2	0.3	12.5	0.4	14.3	-	0.6	-	-	0.6	0.2	0.3	3	5	100.0	0.0	
c. Gonadal germ cell	0	2	0	4	4	6	10	1.9	75.0	2.2	71.4	-	1.3	-	2.2	2.3	1.0	1.3	16	27	100.0	0.0	
d. Gonadal carcinoma	0	0	1	0	1	1	2	0.3	12.5	0.4	14.3	-	-	0.5	-	0.6	0.2	0.3	3	5	100.0	0.0	
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>XI CARCINOMA &amp; MELANOMA</b>	0	6	11	12	29	29	58	9.3	100.0	12.9	100.0	-	3.8	5.8	6.5	16.3	4.9	7.5	77	158	100.0	0.0	
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Thyroid	0	0	2	0	2	2	4	0.6	6.9	0.9	6.9	-	-	1.1	-	1.1	0.3	0.5	5	11	100.0	0.0	
c. Nasopharyngeal	0	0	1	4	10	5	15	1.6	17.2	3.3	25.9	-	-	0.5	2.2	5.6	0.8	1.9	13	42	100.0	0.0	
d. Melanoma	0	1	1	0	1	2	3	0.6	6.9	0.7	5.2	-	0.6	0.5	-	0.6	0.4	0.4	5	8	100.0	0.0	
e. Skin carcinoma	0	0	1	2	5	3	8	1.0	10.3	1.8	13.8	-	-	0.5	1.1	2.8	0.5	1.0	8	22	100.0	0.0	
f. Other & unspecified	0	5	6	6	11	17	28	5.4	58.6	6.2	48.3	-	3.2	3.2	3.2	6.2	3.0	3.7	45	76	100.0	0.0	
<b>XII OTHER &amp; UNSPECIFIED</b>	1	1	0	1	2	3	5	1.0	100.0	1.1	100.0	2.6	0.6	-	0.5	1.1	0.6	0.7	8	13	0.0	100.0	
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
b. Other unspecified	1	1	0	1	2	3	5	1.0	100.0	1.1	100.0	2.6	0.6	-	0.5	1.1	0.6	0.7	8	13	0.0	100.0	
<b>TOTAL</b>	6	93	111	102	138	312	450	100.0	100.0	100.0	100.0	15.6	59.6	58.3	55.1	77.7	54.5	59.7	821	1210	88.4	6.0	

Please consult the quality indicators for this registry

## BOTSWANA (1999-2007)

	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>	1	6	13	8	11	28	39	9.6	10.2	1.3	1.2	0	6	8	8	11	22	33	7.7	8.8		
a. Lymphoid	0	5	10	3	5	18	23	6.3	6.1	1.6	1.4	0	5	4	2	5	11	16	4.0	4.4		
b. Acute myeloid	1	1	3	3	3	8	11	2.7	2.9	1.0	0.9	0	1	4	3	4	8	12	2.7	3.1		
c. CMD	0	0	0	1	1	1	2	0.3	0.5	-	-	0	0	0	0	0	0	0	-	-		
d. MDS & other	0	0	0	1	0	1	1	0.3	0.2	-	1.0	0	0	0	0	1	0	1	-	0.3		
e. Unspecified	0	0	0	0	2	0	2	-	0.5	0.0	0.5	0	0	0	3	1	3	4	0.9	1.0		
<b>II LYMPHOMA &amp; RELATED</b>	0	9	12	8	13	29	42	10.1	11.1	1.8	1.9	0	2	7	7	6	16	22	5.4	5.7		
a. Hodgkin	0	2	4	5	6	11	17	3.7	4.4	2.8	2.4	0	1	0	3	3	4	7	1.3	1.8		
b. Non-Hodgkin except BL	0	2	7	1	6	10	16	3.4	4.2	1.0	1.2	0	1	5	4	3	10	13	3.4	3.4		
c. Burkitt (BL)	0	3	0	0	0	3	3	1.2	0.9	-	-	0	0	0	0	0	0	0	-	-		
d. Lymphoreticular	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	2	1	2	1	5	6	1.7	1.6	2.5	3.0	0	0	2	0	0	2	2	0.7	0.5		
<b>III CNS NEOPLASMS</b>	0	1	9	9	4	19	23	6.2	5.8	1.5	1.5	0	2	5	6	2	13	15	4.4	3.9		
a. Ependymoma	0	0	0	0	1	0	1	-	0.3	-	-	0	0	0	0	0	0	0	-	-		
b. Astrocytoma	0	1	1	4	2	6	8	2.0	2.0	1.5	1.6	0	0	2	2	1	4	5	1.3	1.3		
c. CNS embryonal	0	0	4	1	1	5	6	1.6	1.5	0.8	1.0	0	1	2	3	0	6	6	2.0	1.6		
d. Other gliomas	0	0	1	1	0	2	2	0.6	0.5	1.0	0.7	0	0	1	1	1	2	3	0.7	0.8		
e. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
f. Unspecified CNS	0	0	3	3	0	6	6	1.9	1.5	6.0	6.0	0	1	0	0	0	1	1	0.4	0.3		
<b>IV NEUROBLASTOMA</b>	0	2	0	0	0	2	2	0.8	0.6	0.4	0.3	0	5	0	0	1	5	6	2.0	1.8		
a. (Ganglio)neuroblastoma	0	2	0	0	0	2	2	0.8	0.6	0.4	0.4	0	5	0	0	0	5	5	2.0	1.6		
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.3		
<b>V RETINOBLASTOMA</b>	0	12	0	0	0	12	12	4.8	3.7	1.2	1.2	0	9	1	0	0	10	10	4.0	3.1		
<b>VI RENAL TUMOURS</b>	0	3	5	1	0	9	9	3.2	2.5	0.6	0.6	1	10	2	1	2	14	16	5.4	4.7		
a. Nephroblastoma	0	3	5	1	0	9	9	3.2	2.5	0.6	0.6	1	10	2	1	0	14	14	5.4	4.2		
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	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>VII HEPATIC TUMOURS</b>	2	1	0	0	1	3	4	1.2	1.2	1.5	1.0	0	1	0	1	2	2	4	0.7	1.1		
a. Hepatoblastoma	1	1	0	0	0	2	2	0.8	0.6	2.0	2.0	0	1	0	0	0	1	1	0.4	0.3		
b. Hepatic carcinoma	0	0	0	0	1	0	1	-	0.3	0.0	0.3	0	0	0	1	2	1	3	0.3	0.8		
c. Unspecified	1	0	0	0	0	1	1	0.4	0.3	-	-	0	0	0	0	0	0	0	-	-		
<b>VIII BONE TUMOURS</b>	0	0	2	6	14	8	22	2.5	5.5	0.7	1.2	0	1	2	9	7	12	19	3.9	4.8		
a. Osteosarcoma	0	0	1	5	9	6	15	1.9	3.7	1.2	1.7	0	0	1	4	4	5	9	1.6	2.3		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	3	0	3	3	0.9	0.7		
c. Ewing & related	0	0	0	0	2	0	2	-	0.5	-	1.0	0	0	0	0	2	0	2	-	0.5		
d. Other specified	0	0	1	1	3	2	5	0.6	1.3	1.0	1.7	0	0	0	2	1	2	3	0.6	0.7		
e. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	1	0	0	2	2	0.7	0.6		
<b>IX SOFT TISSUE SARCOMA</b>	0	7	17	11	12	35	47	11.9	12.2	1.1	1.0	1	6	16	10	15	33	48	11.5	12.7		
a. Rhabdomyosarcoma	0	2	3	3	0	8	8	2.7	2.1	2.0	1.6	0	0	2	2	1	4	5	1.3	1.3		
b. Fibrosarcoma	0	0	1	0	0	1	1	0.3	0.3	0.5	0.5	1	0	1	0	0	2	2	0.7	0.6		
c. Kaposi sarcoma	0	4	12	7	10	23	33	7.8	8.5	1.0	1.1	0	4	12	6	9	22	31	7.6	8.2		
d. Other specified	0	1	1	1	1	3	4	1.0	1.1	0.8	0.5	0	2	1	1	4	4	8	1.5	2.2		
e. Unspecified	0	0	0	0	1	0	1	-	0.3	0.0	0.5	0	0	0	1	1	1	2	0.3	0.5		
<b>X GERM CELL TUMOURS</b>	0	2	0	0	0	2	2	0.8	0.6	0.3	0.2	0	1	1	4	6	6	12	2.0	3.1		
a. CNS germ cell	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other extragonadal	0	1	0	0	0	1	1	0.4	0.3	-	1.0	0	0	0	0	1	0	1	-	0.3		
c. Gonadal germ cell	0	1	0	0	0	1	1	0.4	0.3	0.2	0.1	0	1	0	4	4	5	9	1.7	2.3		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	1	1	2	0.3	0.5		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>XI CARCINOMA &amp; MELANOMA</b>	0	3	6	8	10	17	27	5.7	6.9	1.4	0.9	0	3	5	4	19	12	31	4.2	8.1		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Thyroid	0	0	2	0	1	2	3	0.7	0.8	-	3.0	0	0	0	0	1	0	1	-	0.3		
c. Nasopharyngeal	0	0	1	3	2	4	6	1.3	1.5	4.0	0.7	0	0	0	1	8	1	9	0.3	2.3		
d. Melanoma	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		
e. Skin carcinoma	0	0	1	2	2	3	5	1.0	1.2	-	1.7	0	0	0	0	3	0	3	-	0.8		
f. Other & unspecified	0	2	2	3	4	7	11	2.4	2.9	0.7	0.6	0	3	4	3	7	10	17	3.5	4.5		
<b>XII OTHER &amp; UNSPECIFIED</b>	1	1	0	0	0	2	2	0.8	0.6	2.0	0.7	0	0	0	1	2	1	3	0.3	0.8		
a. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	1	1	0	0	0	2	2	0.8	0.6	2.0	0.7	0	0	0	1	2	1	3	0.3	0.8		
<b>TOTAL</b>	4	47	64	51	65	166	231	57.4	60.9	1.1	1.1	2	46	47	51	73	146	219	51.5	58.5		

Please consult the quality indicators for this registry

## BOTSWANA (1999-2007)

	Age group	Males	Females
Person-years	0	192 344	191 159
	1-4	785 553	774 797
	5-9	964 671	938 686
	10-14	933 609	919 226
	15-19	892 915	883 755
Total	0-14	2 876 177	2 823 868
	0-19	3 769 092	3 707 623
Average annual population	0-14	319 575	313 763
	0-19	418 788	411 958

Please consult the quality indicators for this registry