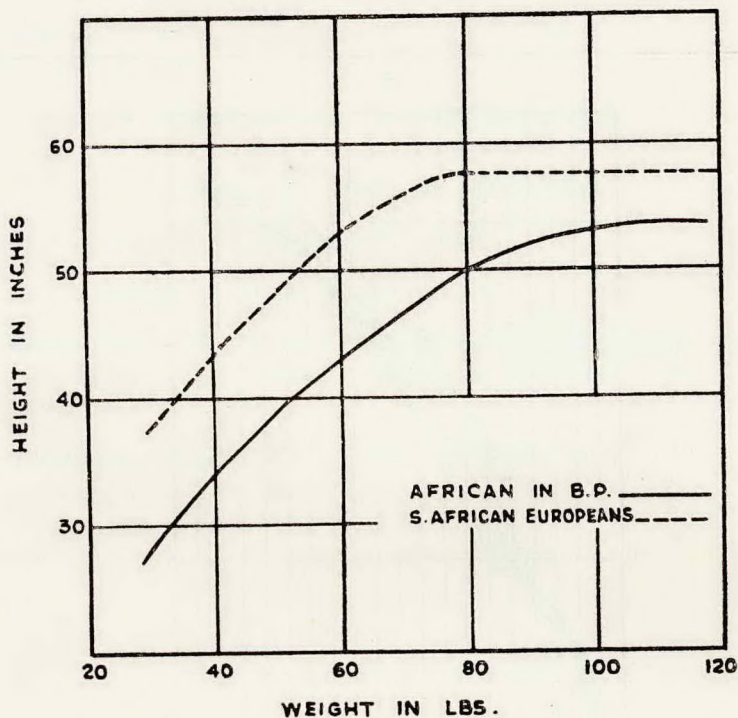


7.
WEIGHT AGAINST HEIGHT IN BOTH SEXES.



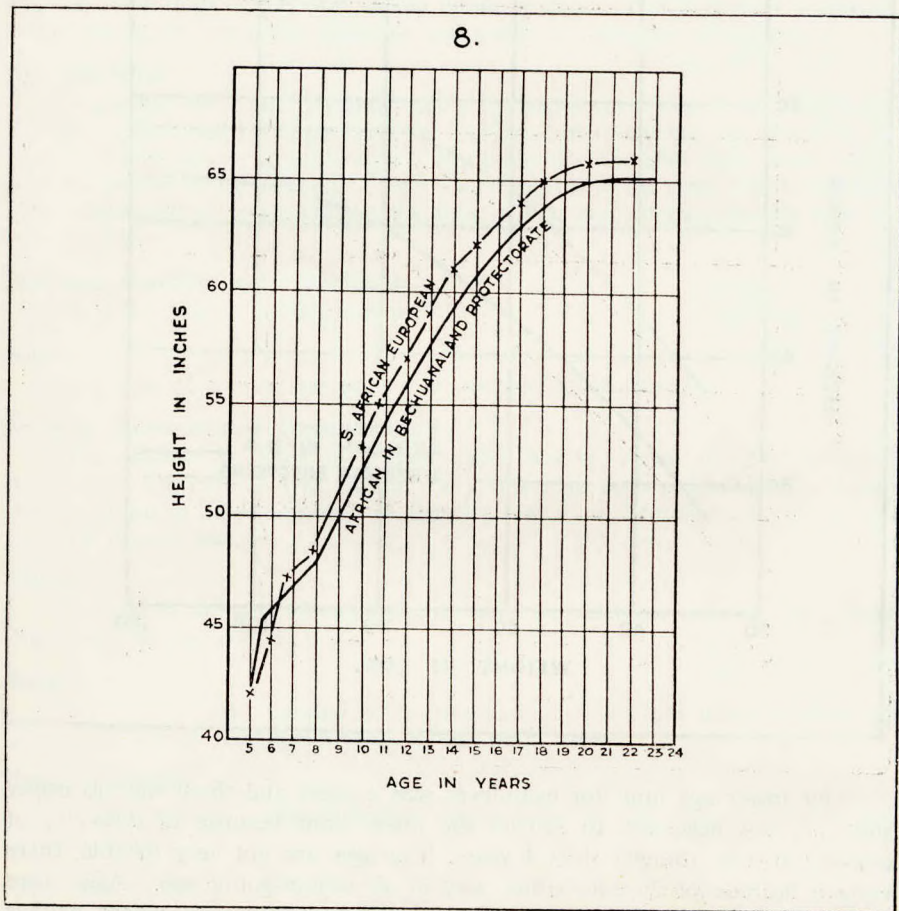
Our lower age limit for examinees was 4 years and there was no upper limit. It was necessary to restrict the lower limit because of difficulty of x-raying anyone younger than 4 years. The ages are not very reliable, there being a latitude of 2 years either way in all school-going age. Ages were usually obtained from parents or from school-teachers and where neither source was available an estimation from physical development was made.

Although comparisons of age, height and weight are most valuable in pre-school-going age and school-going age, all ages from 4 upwards are included.

It will be seen that in comparison with European children the African child is far thinner.

The comparison of age against height is also shown.

The European child in the Union seems to grow quicker than the African child in the Protectorate and also seems to reach a greater height. This is shown by fig. (8), which compares height against age in over 21,000 persons seen.



SUMMARY

In a Survey in Bechuanaland Protectorate in 1952, 21,270 examinees presented themselves for :—

- (i) X-ray of chest.
- (ii) Mantoux test with .0002 mgm. P.P.D.
- (iii) Heights and Weights.
- (iv) Sputum tests.

X-rays.—273 had active pulmonary tuberculosis, *i.e.*, 1.3 per cent., as compared with 0.7 per cent. in the Union of South Africa.

287 showed abnormal cardiac silhouette.

Mantoux.—Test interpreted after 72 hours : 10,401 of the 21,270 returned to have reaction noted.

In adult age group 81 per cent. showed positive reaction.

AVERAGE SIZE OF REACTION

Mean average for all age groups 15.3 mm.

Median average for all age groups 14.0 mm.

Sputum Tests.—93.3 per cent. of cases showing radiological evidence of active disease had tubercle bacilli in sputum on direct microscopy. No concentrations done.

Heights and Weights.—Bantu child not as robust as South African European child and does not grow as tall.

Return of
DISEASES AND DEATHS
for the year 1952

BECHUANALAND PROTECTORATE.

RETURN OF DISEASES, INJURIES AND CAUSES OF DEATH FOR THE YEAR 1952

DISEASES	IN-PATIENTS				OUT-PATIENTS		
	*Remaining in Hospital at end of 1951	Yearly Total		†Total Cases Treated	‡Remaining in Hospital at end of 1952	Male	Female
		Admissions	Deaths				
1. Tuberculosis of respiratory system ...	12	180	20	192	27	336	367
2. Tuberculosis of meninges and central nervous system ...		4	1	4		1	
3. Tuberculosis of intestines, peritonium and mesenteric glands ...		16	1	16		34	39
4. Tuberculosis of bones and joints ...	7	36		43	6	38	39
5. Tuberculosis, all other forms ...	2	43	1	45	8	88	149
6. Congenital syphilis ...		15	1	15		583	732
7. Early syphilis ...		25	1	25		1461	1556
8. Tabes dorsalis ...							
9. General paralysis of insane ...							
10. All other syphilis ...	4	68	4	72	4	1628	2232
11. Gonococcal infections ...	1	113		114	1	1641	1504
12. Typhoid fever ...	1	6	1	7		2	3
13. Paratyphoid fever and other Salmonella infections ...		1		1			
14. Cholera ...							
15. Brucellosis (undulant fever) ...							
16. (a) Bacillary dysentery ...		22	1	22	1	94	85
(b) Amoebiasis ...	4	49	1	53	2	125	142
(c) Other unspecified forms of dysentery ...		40	1	40		112	165
17. Scarlet fever ...		1		1		2	1
18. Streptococcal sore throat ...		60		60		479	737
19. Erysipelas ...		1		1		2	2
20. Septicaemia and pyaemia ...		3	1	3		3	3
21. Diphtheria ...	3	39	9	42		30	40
22. Whooping cough ...		18		18		545	647
23. Meningococcal infections ...		7		7		13	6
24. Plague ...							
25. Leprosy ...	4	2		6	1	11	13
26. Tetanus ...		4	1	4	1	1	1

27.	Anthrax					1	
28.	Acute poliomyelitis					1	3
29.	Acute infectious encephalitis					1	
30.	Late effects of acute poliomyelitis and acute infectious encephalitis... ..		2		2	8	6
31.	Smallpox... ..		6		6	31	36
32.	Measles		82	4	82	287	359
33.	Yellow fever						
34.	Infectious hepatitis		8		8	5	12
35.	Rabies						
36.	(a) Louse-borne epidemic typhus						
	(b) Flea-borne endemic typhus (murine)						
	(c) Tick-borne epidemic typhus		4		4	8	3
	(d) Mite-borne typhus						
	(e) Other and unspecified typhus						
37.	(a) Vivax malaria (benign tertian)		55		55	135	73
	(b) Malariae malaria (quartan)		6		6	16	
	(c) Falciparum malaria (malignant tertian)	5	144	2	149	431	468
	(d) Blackwater fever		1	1	1		
	(e) Other and unspecified forms of malaria	6	42	1	48	348	314
38.	(a) Schistosomiasis vesical (S. Haematobium)... ..		11	1	11	48	21
	(b) Schistosomiasis intestinal (S. Mansoni)						
	(c) Schistosomiasis pulmonary (S. japonicum)						
	(d) Other and unspecified schistosomiasis		1		1	1	
39.	Hydatid disease						
	Total carried forward ...		49	53	1164	55	9758

*This form is adapted in accordance with the "Manual of the International Statistical Classification of diseases, Injuries and Causes of Death" (World Health Organisation, Geneva, 1948).

†i.e. the year previous to that for which the return is made.

‡"Total cases treated" will, of course, include those remaining in Hospital at the end of the previous year.

§The figures in this column to be carried on to the next year's Return.

BECHUANALAND PROTECTORATE.

RETURN OF DISEASES, INJURIES AND CAUSES OF DEATH FOR THE YEAR 1952

IN-PATIENTS

OUT-PATIENTS

DISEASES	*Remaining in Hospital at end of 1951	Yearly Total		†Total Cases Treated	‡Remaining in Hospital at end of 1952	Male	Female
		Admissions	Deaths				
Brought forward ...	49	1115	53	1164	55	8550	9758
40. (a) Onchocerciasis							
(b) Loiasis							
(c) Filariasis (bancrofti)... ..							
(d) Other filariasis		1		1			1
41. Ankylostomiasis... ..		2		2		22	
42. (a) Tapeworm (infestation) and other cestode infestations	1	13		14		68	77
(b) Ascariasis		3		3		125	160
(c) Guinea worm (dracunculosis) ...							
(d) Other diseases due to helminths ...						20	26
43. (a) Lymphogranuloma venereum ...	1	8		9		3	5
(b) Granuloma inguinale, venereal ...		1		1		2	4
(c) Other and unspecified venereal diseases... ..		8		8	1	82	47
(d) Foodpoisoning infection and intoxi- cation		2		2		4	8
(e) Relapsing fever		5		5			1
(f) Leptospirosis icterohaemorrhagica (Weil's disease)							
(g) Yaws... ..		3		3		4	
(h) Chickenpox	1	11		12		39	43
(i) Dengue							1
(j) Trachoma		14		14		34	54
(k) Sandfly fever		2		2		14	18
(l) Leishmaniasis							
(m) a Trypanosomiasis gambiensis ...							
b Trypanosomiasis rhodesiensis ...		1		1			
c Other and unspecified Trypanoso- miasis		13	3	13	1		

	(n) Dermatophytosis		4		4		39	30
	(o) Scabies	1	40		41	1	1157	1337
	(p) All other diseases classified as infective and parasitic		16		16	1	90	87
44.	Malignant neoplasm of buccal cavity and pharynx		7		7	1	30	19
45.	Malignant neoplasm of oesophagus ...		2		2		1	1
46.	Malignant neoplasm of stomach ...		10	2	10		4	2
47.	Malignant neoplasm of intestine, except rectum		8	3	8		4	1
48.	Malignant neoplasm of rectum ...		1	1	1		1	
49.	Malignant neoplasm of larynx... ..		1	1	1		2	
50.	Malignant neoplasm of trachea, and of bronchus and lung not specified as secondary							
51.	Malignant neoplasm of breast... ..		3		3			4
52.	Malignant neoplasm of cervix uteri ...		8	2	8			26
53.	Malignant neoplasm of other and unspecified parts of uteres		5	1	5			8
54.	Malignant neoplasm of prostate ...		1		1			
55.	Malignant neoplasm of skin		4	1	4		54	78
56.	Malignant neoplasm of bone and connective tissue		2		2	1	4	2
57.	Malignant neoplasm of all other and unspecified sites	1	15	2	16	1	12	15
58.	Leukaemia and aleukaemia		2		2			1
59.	Lymphosarcoma and other neoplasms, haematopoietic system		5		5		7	
60.	Benign neoplasms and neoplasms of unspecified nature	2	76	1	78	2	153	225
61.	Nontoxic goiter... ..						2	8
62.	Thyrototoxicosis with or without goiter		4		4		2	8
63.	Diabetes mellitus		3		3		2	3
64.	(a) Beriberi		4	1	4		52	92
	(b) Pellagra		33		33	1	154	92
	(c) Scurvy		58	1	58	1	300	223
	(d) Other deficiency states	12	146	12	158	7	438	747
65.	(a) Pernicious and other hyperchromic anaemias		3		3		14	30
	Total carried forward...	68	1563	84	1731	73	11489	13242

RETURN OF DISEASES, INJURIES AND CAUSES OF DEATH FOR THE YEAR 1952

IN-PATIENTS

OUT-PATIENTS

DISEASES	*Remaining in Hospital at end of 1951	Yearly Total		†Total Cases Treated	‡Remaining in Hospital at end of 1952	Male	Female
		Admissions	Deaths				
Brought forward ...	68	1563	84	1731	73	11489	13242
(b) Iron deficiency anaemias (hypo- chromic)		18		18	1	137	540
(c) Other specified and unspecified anaemias		29	2	29		207	518
66. (a) Asthma		26		26	1	216	163
(b) All other allergic disorders, endo- crine, metabolic and blood diseases ...		20		20		143	273
67. Psychoses	12	11		23	14	15	10
68. Psychoneuroses and disorders of person- ality		7		7		28	139
69. Mental deficiency	1	7		8		9	8
70. Vascular lesions affecting central ner- vous system		19	3	19	1	39	21
71. Nonmeningococcal meningitis		14	3	14		8	6
72. Multiple sclerosis		3		3	1		
73. Epilepsy		15		15		47	46
74. Inflammatory diseases of eye	1	71		72		686	640
75. Cataract		25		25	1	104	96
76. Glaucoma		3		3	3	11	16
77. (a) Otitis externa	1	5		6	1	127	142
(b) Otitis media and mastoiditis ...		57	1	57	2	264	305
(c) Other inflammatory diseases of ear		6		6		234	291
78. (a) All other diseases and conditions of eye	6	59		65	1	764	1029
(b) All other diseases of the nervous system and sense organs	1	40	2	41	2	82	89
79. Rheumatic fever		21		21		93	153
80. Chronic rheumatic heart disease ...	1	29	6	30	2	68	184
81. Arteriosclerotic and degenerative heart disease	3	28	7	31	2	38	45

82.	Other diseases of heart		38	10	38	6	211	402
83.	Hypertension with heart disease ...	1	15	6	16	1	33	43
84.	Hypertension without mention of heart ...		4	1	4		54	75
85.	Diseases of arteries		8	3	8		27	17
86.	Other diseases of circulatory system...	1	62	3	63	3	160	165
87.	Acute upper respiratory infections ...	2	120	4	122		2635	1946
88.	Influenza	1	129	2	130		757	984
89.	Lobar pneumonia	3	193	21	196	1	193	176
90.	Bronchopneumonia	2	257	14	259	1	181	250
91.	Primary atypical, other and unspecified pneumonia	3	48	6	51		43	46
92.	Acute bronchitis	1	60	5	61		788	926
93.	Bronchitis, chronic and unqualified ...		77	2	77		928	970
94.	Hypertrophy of tonsils and adenoids...		98		98	1	335	368
95.	Empyema and abscess of lung	1	12	4	13	1	12	6
96.	Pleurisy		39		39	2	66	62
97.	(a) Pneumoconiosis		1		1		5	
	(b) All other respiratory diseases ...	3	29	1	32		303	289
98.	(a) Dental caries		11		11		621	1009
	(b) All other diseases of teeth and supporting structures		30		30		294	379
99.	Ulcer of stomach		1		1		7	15
100.	Ulcer of duodenum						2	1
101.	Gastritis and duodenitis	1	36		37	2	293	514
102.	Appendicitis		28		28		18	35
103.	Intestinal obstruction and hernia ...		24	4	24		259	154
104.	(a) Gastro-enteritis and colitis between 4 weeks and 2 years...	2	67	10	69		908	1076
	(b) Gastro-enteritis and colitis, ages 2 years and over	1	178	12	179	2	952	1115
	(c) Chronic enteritis and ulcerative colitis		23	2	23		72	90
105.	Cirrhosis of liver		14	2	14	1	57	87
106.	Cholelithiasis and cholecystitis	1	5		6		15	30
107.	Other diseases of digestive system ...	1	74	1	75	1	1759	2765
108.	Acute nephritis... ..		8	1	8		86	66
109.	Chronic, other and unspecified nephritis		6	1	6		173	114
110.	Infections of kidney		41		41	1	76	89
	Total carried forward	118	3812	224	4020	128	27132	32120

RETURN OF DISEASES, INJURIES AND CAUSES OF DEATH FOR THE YEAR 1952

DISEASES	*Remaining in Hospital at end of 1951	IN-PATIENTS			OUT-PATIENTS		
		Yearly Total		†Total Cases Treated	‡Remaining in Hospital at end of 1952	Male	Female
		Admissions	Deaths				
Brought forward ...	118	3812	224	4020	128	27132	32120
111. Calculi of urinary system ...		6		6		26	25
112. Hyperplasia of prostate ...	1	23		24		134	
113. Diseases of breast ...		36	1	36	1		199
114. (a) Hydrocele ...		11		11	1	51	
(b) Disorders of menstruation ...		102		102	1		3465
(c) All other diseases of the genito- urinary system ...	4	197	4	201	6	604	4346
115. Sepsis of pregnancy, childbirth and the puerperium ...		13	5	13	3		39
116. Toxaemias of pregnancy and the puerperium ...		33		33	1		446
117. Haemorrhage of pregnancy and child- birth ...		11	1	11			31
118. Abortion without mention of sepsis or toxaemia ...		91		91	2		201
119. Abortion with sepsis ...	1	24		25			23
120. (a) Other complications of pregnancy, childbirth and the puerperium ...	7	164	7	171	3		359
(b) Delivery without complications...	16	1140	1	1156	18		1481
121. Infections of skin and subcutaneous tissue ...	8	155	2	163	1	800	864
122. Arthritis and spondylitis ...	1	70		71	1	236	303
123. Muscular rheumatism and rheumatism, unspecified ...	1	54		55	4	1592	1812
124. Osteomyelitis and periostitis ...	4	44	1	48	2	59	64
125. Ankylosis and acquired musculo- skeletal deformities ...		11		11	1	15	10
126. (a) Chronic Ulcer of Skin (including tropical ulcer)...		47	1	47	1	147	136

			86		86	2	1051	1584
			82	2	82	1	176	229
127.	Spina bifida and meningocele ...		1	1	1		2	1
128.	Congenital malformations of circulatory system ...						3	3
129.	All other congenital malformations ...		7	2	7		16	32
130.	Birth injuries ...		3	2	3		4	1
131.	Postnatal asphyxia and atelectasis ...		5	1	5		1	
132.	(a) Diarrhoea of newborn (under 4 weeks) ...	1	7	1	8	1	83	91
	(b) Ophthalmia neonatorum ...		5		5		14	19
	(c) Other infections of newborn ...		13	3	13	1	7	9
133.	Haemolytic disease of newborn ...		6	2	6		2	1
134.	All other defined diseases of early infancy ...		24	3	24		518	223
135.	Ill-defined diseases peculiar to early infancy and immaturity unqualified ...		1	1	1		37	201
136.	Senility without mention of psychosis ...		3		3		9	24
137.	(a) Pyrexia of unknown origin ...	1	11		12	2	79	42
	(b) Observation, without need for further medical care ...	19	907		926	15	2169	4492
	(c) All other ill-defined causes of morbidity ...	6	90	3	96		615	717
Accidents, Poisonings, and Violence (External Cause)								
A.E.								
138.	Motor vehicle accidents ...		46	1	46	2	59	31
139.	Other transport accidents ...	4	32	3	36	2	46	21
140.	Accidental poisoning ...	1	14	1	15	1	14	1
141.	Accidental falls ...	3	91	2	94	3	611	527
142.	Accident caused by machinery ...	1	18		19	2	45	9
143.	Accident caused by fire and explosion of combustible material ...	5	57	4	62	5	172	173
144.	Accident caused by hot substance, corrosive liquid, steam and radiation ...		53	5	53	1	89	93
145.	Accident caused by firearm ...		6	1	6		6	2
146.	Accidental drowning and submersion ...							
Total carried forward ...		202	7709	284	7904	212	56624	54450

BECHUANALAND PROTECTORATE.

RETURN OF DISEASES, INJURIES AND CAUSES OF DEATH FOR THE YEAR 1952

DISEASES	*Remaining in Hospital at end of 1951	IN-PATIENTS			OUT-PATIENTS		
		Yearly Admissions	Total Deaths	†Total Cases Treated	‡Remaining in Hospital at end of 1952	Male	Female
Brought forward ...	202	7709	284	7904	212	56624	54450
147. Foreign body entering eye and adnexa	1	21		22	1	56	20
Foreign body entering other orifice ...		15	1	15	1	50	36
Accidents caused by bites and stings of venomous animals and insects ...	3	34	1	37	1	93	62
Other accidents caused by animals ...	2	50	2	52	1	108	35
All other accidental causes ...	7	204		211	8	1249	602
148. Suicide and self-inflicted injury ...							
149. Homicide and injury purposely inflicted by other persons (not in war) ...	4	63	5	67	1	123	95
150. Injury resulting from operations of war							
TOTAL	219	8099	293	8318	225	38303	55399

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