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Contributors

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AC 169
Northern Rhodesia.

MEDICAL REPORT

on

Health and Sanitary Conditions

for the year 1928.



PUBLISHED BY THE CROWN AGENTS FOR THE COLONIES,
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1930.

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NORTHERN RHODESIA.

MEDICAL REPORT OF HEALTH AND SANITARY CONDITIONS FOR THE YEAR 1928.

SECTION I.—ADMINISTRATION.

(a) Staff (as at 31-12-28).

EUROPEAN.

Principal Medical Officer.

14 Medical Officers.

4 Medical Officers (subsidised).

2 Pharmacists.

1 Clerk.

1 Lady Clerk.

3 Matrons.

17 Nursing Sisters.

AFRICAN.

2 Native Clerks at Headquarters.

1 Native Clerk and Store Assistant at Headquarters.

1 Laboratory Assistant at Headquarters.

1 Native Clerk at Broken Hill.

91 Orderlies and Ward Attendants.

74 Other Servants.

14 Messengers.

4 Sleeping Sickness Guards.

16 Vaccinators.

32 Labourers.

During the year three Senior Officers retired :—

Dr. A. W. May, *Principal Medical Officer*.

Mr. A. Douglas, *Secretary and Dispenser*.

Miss Coates, *Senior Matron*.

Dr. A. May for the period of twenty-two years, during which he held the appointment of P.M.O., had constantly toured the territory under his administration, and had special and accurate knowledge of local conditions and diseases. With his retirement the special knowledge gained by him during his term of office was lost to the country.

Mr. A. Douglas had performed the duties of Secretary and Accountant to the Department for twenty years. There was no officer experienced in the clerical work of the Department to succeed him.

Miss Coates had been for many years Senior Matron in charge of the Livingstone Hospital and was especially qualified for the post.

The retirement of these three Officers within a few months of each other, and at a time when the territory was undergoing a rapid development, was a misfortune only fully realised, perhaps, by the Officer who succeeded to the administration of the Department.

APPOINTMENTS, CHANGES, ETC., IN STAFF.

Dr. P. H. Ward was appointed Principal Medical Officer...	6-7-28
Dr. F. G. Harman Brown was appointed temporary M.O.	22-5-28
Mr. R. D. Cathro was appointed Pharmacist	6-4-28
Mr. A. McL. Grant was appointed Clerk (seconded from Secretariat)	10-10-28
Miss C. A. Griffiths was appointed Nursing Sister...	30-4-28
Miss F. B. Sedgwick was appointed Nursing Sister ...	1-5-28
Mrs. P. F. Latimer was appointed Nursing Sister ...	8-7-28
Miss A. Sellars was appointed Nursing Sister	16-10-28
Miss D. B. B. Cuming was appointed Nursing Sister ...	3-11-28

RESIGNATIONS, RETIREMENTS, ETC., IN STAFF.

Dr. A. W. May retired on pension	5-7-28
Mrs. C. S. Haddon resigned	10-7-28
Miss S. A. L. Davies resigned	18-8-28
Miss E. M. Coates retired on pension	2-9-28
Miss R. Allender resigned	17-10-28
Mr. A. Douglas retired on pension	16-11-28

LEAVE.

	From	To
Dr. A. May	23-5-28	5-7-28
Dr. H. Leach	8-6-28	30-11-28
Dr. A. F. Wallace	17-12-28	31-12-28
Dr. J. A. McGregor	26-11-28	31-12-28
Dr. H. A. Gilkes	1-1-28	9-9-28
Dr. P. B. Robinson	30-11-28	31-12-28
Mr. E. McPhee	11-3-28	20-8-28
Mr. A. Douglas... ..	14-9-28	16-11-28
Miss E. L. Bradfield	20-4-28	5-10-28
Miss S. K. Hanna	11-5-28	1-11-28
Miss E. M. Coates	10-6-28	2-9-28
Miss A. B. A. Buck	7-10-28	31-12-28
Miss H. B. G. Eastland	1-1-28	21-2-28

DISTRIBUTION OF STAFF.

LIVINGSTONE	Principal Medical Officer. 2 Medical Officers. Secretary to Principal Medical Officer. 2 Pharmacists. Lady Clerk. Matron. 5 Nursing Sisters.
LUSAKA	Medical Officer, Matron, 3 Nursing Sisters.
BROKEN HILL	Medical Officer, Matron, 3 Nursing Sisters.
FORT JAMESON	Medical Officer, 2 Nursing Sisters.
MONGU	Medical Officer, 1 Nursing Sister.
KASAMA	Medical Officer, 1 Nursing Sister.
MAZABUKA	Medical Officer.
FORT ROSEBERY	Medical Officer.
SOLWEZI	Medical Officer.
ABERCORN	Medical Officer.
CHOMA	Medical Officer.

STAFF POSTINGS (MEDICAL OFFICERS), 1928.

Dr. A. May, the Principal Medical Officer, was in Livingstone until 23-5-28, when he proceeded on leave pending retirement.

Dr. P. H. Ward was stationed at Livingstone, being appointed Principal Medical Officer 6-7-28.

Dr. H. Leach was stationed at Fort Rosebery throughout the year.

Dr. A. F. Wallace, M.C., was stationed at Broken Hill until his departure on leave, 17-12-28.

Dr. A. Kinghorn was stationed at Abercorn throughout the year.

Dr. R. R. Murray was stationed at Kasama throughout the year.

Dr. W. H. Sheehan was stationed at Mongu throughout the year.

Dr. J. D. Harmer was stationed at Livingstone, except while travelling on duty to Broken Hill, and Lusaka, and while on leave from 4-11-28 to 3-12-28.

Dr. G. M. C. Powell was stationed at Lusaka, except while on leave from 15-9-28 to 12-10-28.

Dr. J. A. Acheson was stationed at Fort Jameson throughout the year.

Dr. H. A. Gilkes was stationed at Lusaka for a few days on his return from leave 9-9-28, at Livingstone from 19-10-28 to 4-12-28, and at Broken Hill from 15-12-28 until the end of the year.

Dr. J. A. McGregor was stationed at Choma until his departure on leave 26-11-28.

Dr. P. B. Robinson was stationed at Solwezi until his departure on leave 30-11-28.

Dr. N. D. Sanderson was stationed at Livingstone until he proceeded on local leave 23-3-28, at Fort Rosebery from 29-5-28, and at Choma from 19-12-28 to the end of the year.

Dr. T. R. F. Kerby was stationed at Mazabuka until 3-9-28, and at Livingstone from 4-9-28 until the end of the year.

Dr. F. G. H. Brown was stationed at Livingstone from 22-5-28 to 4-9-28, and at Mazabuka from 5-9-28 until the end of the year.

SECTION I (b).

LIST OF ORDINANCES AFFECTING PUBLIC HEALTH ENACTED DURING THE YEAR 1928.

No Ordinances were passed during the year 1928 having any bearing on the above.

SECTION I (c).—FINANCIAL.

CALENDAR YEAR 1928.

The following figures have been provided by the Treasury :—
Total Revenue of Colony £526,869

HEALTH VOTE REVENUE.

Hospital Fees, all sources	...	...	...	...	...	£7,268
Medical Subsidies	...	...	...	...	...	3,872
Sale of Drugs, including Veterinary Department sale of Vaccines	...	...	...	...	...	317
						<u>£11,457</u>

EXPENDITURE.

Personal Emoluments	...	...	...	...	...	£25,742
Other Charges	...	...	...	...	...	23,778
						<u>£49,520</u>

Health Vote Expenditure = 9·4 per cent. of total revenue of Colony.

SECTION II.—PUBLIC HEALTH.

A.—GENERAL REMARKS.

The following table shows the number of cases treated in Hospital during the years 1925, 1926, 1927 and 1928.

	1925.		1926.		1927.		1928.	
	<i>In-Patients.</i>	<i>Deaths.</i>	<i>In-Patients.</i>	<i>Deaths.</i>	<i>In-Patients.</i>	<i>Deaths.</i>	<i>In-Patients.</i>	<i>Deaths.</i>
Europeans	697	27	778	28	923	27	1,045	31
Natives	5,610	309	6,534	326	7,400	417	8,449	458

There is very little Out-patient treatment at any European Hospital, except at Livingstone, the attendances there during the year being 934.

NATIVE OUT-PATIENTS.

The following table shows the number of attendances of out-patients at various stations during the year :—

Livingstone	...	...	...	...	...	...	...	6,985
Mongu	...	...	...	...	...	...	...	6,798
Choma	...	...	...	...	...	...	...	712
Lusaka	...	...	...	...	...	...	...	1,877
Mazabuka	...	...	...	...	...	...	...	8,486
Abercorn	...	...	...	...	...	...	...	1,972
Kasama	...	...	...	...	...	...	...	5,561
Chinsali	...	...	...	...	...	...	...	3,389
Luwingu	...	...	...	...	...	...	...	1,269
Mpika	...	...	...	...	...	...	...	1,906
Chambeshi—Rural Dispensary	...	...	...	...	...	...	...	774
Mangonji	„	„	...	...	...	...	...	3,034
Njobe	„	„	...	...	...	...	...	1,338
Magodi	„	„	...	...	...	...	...	1,380
Chiluya	„	„	...	...	...	...	...	500
Fort Jameson	...	...	...	...	...	...	...	7,466

At the following stations records only of the number of patients treated are available :—

Solwezi	...	...	...	...	...	...	...	963
Fort Rosebery	...	...	...	...	...	...	...	948
Ndola	...	...	...	...	...	...	...	369

The general case mortality rates are :—

			1925.	1926.	1927.	1928.
Europeans	...	...	3.80%	3.60%	2.92%	2.97%
Natives	...	...	5.50%	5.00%	5.60%	5.42%

The admissions to the European and Native Hospitals throughout the territory show an increase of 122 and 1,049 respectively.

The following is a summary of the Infectious Diseases notifications during the year :—

				<i>Europeans.</i>		<i>Natives.</i>	
				<i>Cases.</i>	<i>Deaths.</i>	<i>Cases.</i>	<i>Deaths.</i>
Variola	...	...	...	7	1	4,035	266
Influenza	...	...	...	188	—	1,463	108
Pneumonia	...	...	...	10	1	62	18
Dysentery	...	...	...	12	1	92	17
Pulmonary Tuberculosis	...	...	...	—	—	1	—
Measles	...	...	...	1	—	—	—
Rubella	...	...	...	2	—	—	—
Amaas	...	...	...	1	—	5	—
Varicella	...	...	...	—	—	11	—
Acute Infective Jaundice	...	...	...	—	—	20	18
Cerebro Spinal Meningitis	...	...	...	4	3	52	38
Enteric Fever	...	...	...	13	1	8	2
Relapsing Fever	...	...	...	1	—	32	—
				239	7	5,781	467

After a number of years of gradual progress, during which conditions became more or less settled, and the population engaged in agricultural, commercial and mining occupations were living under normal and favourable conditions as regards housing, food and sanitation, the territory has entered upon a period of active development in areas in the copper belt where there had been no European settlement before.

Though the actual increase in the European population is given as 261 a proportion is now a floating population, and new-comers are constantly arriving. A number of settlers formerly engaged in farming have been attracted to the copper belt and are now following other occupations.

A very large number of natives are employed in the new mining areas for longer or shorter periods during the year.

The congregation of a large number of Europeans and Natives in areas as yet unsettled, and employed in reclaiming a portion of a tropical country to civilization, brings about conditions conducive of an increased incidence of disease and this is reflected in the European Vital Statistics and the "Health and Mortality" Statistics of the mines.

(I.)—GENERAL DISEASES.

PELLAGRA.

Twenty-one cases came under treatment, of which 14 were prisoners, namely:—

	<i>Cases.</i>	<i>Deaths.</i>
Livingstone Gaol	1	1
Fort Jameson Gaol	5	—
Broken Hill Gaol	8	—
	—	—
	14	1
	<u> </u>	<u> </u>

The remaining seven cases were:—

	<i>Cases.</i>	<i>Deaths.</i>
Livingstone Hospital	1	1
Broken Hill Hospital	5	1
Fort Jameson Hospital	1	—
	—	—
	7	2
	<u> </u>	<u> </u>

Dr. Acheson at Fort Jameson reports that the symptoms disappeared rapidly under treatment with Thyroid Extract.

CLIMATIC BUBO.

Dr. Gerrard of Kasenga Mission has reported the prevalence of what he considers to be Climatic Bubo.

GOITRE.

The District Officer, Mr. Alexander, reports during a tour in the Mwinilunga District on the prevalence of Goitre amongst the Native women.

“But it was most remarkable the number of women who had Goitre—there was not a village visited in which there were not one or two women with it, and in some cases, other villages had more. (In one village practically every woman had it.) Three young male natives only were found to be affected.”

In the same report “Matakenya (jigger fleas) seem to predominate . . . and it was pathetic to see tiny young children hardly able to walk owing to jigger fleas in their feet—and in many cases people had lost their toes.”

The White Fathers' Mission at Chilubula also reported the prevalence of Goitre, “the third of the population in the neighbourhood of the Mission had been attacked.”

Dr. Leach at Fort Rosebery reports 70 cases were treated with Lugol Solution. “Results were very encouraging and were much appreciated.”

ACUTE INFECTIVE JAUNDICE.

The Medical Officer (Dr. R. R. Murray) investigated an acute outbreak of disease at a village in the Luwingu sub-district. Eighteen deaths had occurred within a period of three weeks. The village was over-run by rats, which were also dying, and a suspicion of plague arose. The examination of blood smears showed the disease to be acute Infective Jaundice.

EXTRA UTERINE FOETATION.

A case of Extra Uterine Foetation in a Native woman is sufficiently unusual to be placed on record. The patient was a young healthy woman who came to Livingstone Hospital because her baby was not born at the completion of the usual gestation period. A full term foetus was removed from the abdominal cavity. A Tubal gestation had ruptured during the early months of pregnancy, and the foetus had continued to develop. The woman was not aware there was anything abnormal.

(II.)—COMMUNICABLE DISEASES.

(a) *Insect Borne.*

SLEEPING SICKNESS.

Mweru-Luapula.—No cases were seen by the Medical Officer, who considers that Sleeping Sickness no longer exists in this district.

Tanganyika Areas.—Dr. Kinghorn toured the Tanganyika Area during the year and found no cases.

No cases are reported from this area.

Luangwa Valley.—Four Europeans are known to have been infected in the Luangwa Valley during the year.

Kalape, the Native referred to in the last Annual Report who was found to be suffering from Sleeping Sickness (*Rhodesiense*), on his return to Broken Hill after a period of absence in Southern Rhodesia, was discharged from hospital cured on May 21st, 1928, and returned to his home in the Fort Jameson District. His blood was reported free from Trypanosomes on September 7th, 1928, and he seemed well.

The four European cases were as follows:—

W. F.—Contracted the disease while hunting elephants in the Luangwa Valley—his headquarters were at Ndevus Village.

J. M. P. and G. T. W.—Two Geologists who were prospecting in the Valley.

They were working together and were found ill at Mwapi's Village on the Luangwa River where it is joined by the Lukasishi River. J. M. P. died at Serenge on his way to Broken Hill Hospital. He was seen by a private practitioner there who diagnosed Sleeping Sickness but no slides were taken. The blood of G. T. W. showed Trypanosomes.

R.F.H., a Road Foreman. His movements were definitely known. He went on a shooting expedition and travelled North along the river bank to Ndevu's Village, 36 miles north of the pontoon, on the Great East Road. He only stayed there 24 hours, and then returned and camped at Nyatande's Village, 24 miles north of the pontoon, where he went sick.

It will be seen that the neighbourhood of Ndevu's Village is implicated in two of these cases—it is also implicated in the case of B, who contracted the disease last year.

Only one Native case has been admitted to hospital. There was a Native from the Chinsali District who is not known to have been in the valley.

A Native case was treated at the Msoro Mission—Blood slides examined by the Medical Officer at Fort Jameson showed Trypanosomes. This patient died.

All the other cases have been treated with Bayer 205 and all are convalescent—Dr. Gilkes stated “The results of treatment of the cases here are very strongly in favour of Bayer 205. Trypanamide has not been nearly so successful.”

Clearings have been made at all river crossings on the main routes through the Luangwa, and also at Ndevu and Nyatande's Village.

A pamphlet advising precautionary measures to be taken by travellers in the Valley has been issued, and travellers and officials whose duties take them into the dangerous zones are receiving prophylactic injections of Bayer 205.

Sleeping Sickness is known to be epidemic throughout the Luangwa Valley, but Dr. Kinghorn, who has special knowledge of the local conditions is of opinion that though there may be from time to time “Flare-ups” of the disease it is never likely to assume serious epidemic proportions, and its avoidance by travellers is a matter of personal care.

A tour of investigation will be made next year.

RELAPSING FEVER.

Is endemic in certain parts of North Eastern Rhodesia. Dr. Acheson reports that the *ornithodoros moubata* in the Fort Jameson district is the carrier of the disease, and that most of the population is immune, only labourers from outlying districts contracting it.

Dr. Kinghorn also comments on the acquired immunity of the indigenous population in the Abercorn district.

The wife of a Senior Official contracted the disease in Livingstone where no European case had been known before. The case was most carefully investigated, and the possibility of the disease being conveyed by a tick excluded. The probable source of infection was by lice introduced into the house by a Native servant.

MALARIA AND BLACKWATER FEVER (EUROPEAN).

	1925.		1926.		1927.		1928.	
	Malaria.	Blackwater Fever.	Malaria.	Blackwater Fever.	Malaria.	Blackwater Fever.	Malaria.	Blackwater Fever.
Livingstone
Lusaka
Broken Hill
Fort Jameson
Kasama
Mongu
Totals
	211	13	262	21	272	20	304 (2)	17 (5)

* Includes 1 death from Malaria Coma.

The increase in admissions to Hospital from Malaria corresponds to an increase in the population of the territory. A period of active development in the territory has attracted a certain labouring class, particularly those engaged in the building trade, who are ignorant of local conditions and unwilling to take precautions. This class increases the admission rate to the hospitals and unfortunately affords a focus of infection to the rest of the community.

(III.)—INFECTIOUS DISEASES.

YAWS.

Treatment with Sodium Bismuth Tartrate still proves successful, and an increasing number of natives apply for it. The dramatic effect of an injection makes a powerful appeal to the native mind, and they travel long distances to obtain the remedy.

Natives from Southern Rhodesia have crossed the Zambesi and travelled to Choma to obtain it.

A Medical Officer was stationed at Choma in November last year, and during the present year 513 cases have been treated there.

SMALL POX.

This disease, mentioned as prevalent in many districts of the territory in the last Annual Report, continued to spread, and practically every district was invaded.

The nature of the disease has given rise to much discussion, and though almost every medical man in the country has had an opportunity of studying the disease, opinions are divided, and there are medical men of wide experience who still consider Amaasor Alastrim to be a separate disease.

Comment has been made in the Medical Press on the variation in the death rate of this disease in Northern Rhodesia at different times and places during the epidemic.

The death rate has varied, and this has been noticeable during the spread of the disease from village to village; as an instance of this, the headman and every relative died in one village in which all inhabitants were infected and these were the only fatal cases there. These deaths were investigated by the Police, who could find no reason to suspect any other cause of death.

It is probable, however, that though there is a variation in the death rate, it is not so wide as would appear from the figures quoted in the statistics. The figures are often obtained from native sources, and too much reliance cannot be placed upon them.

As regards the diagnosis, the Medical Officer at Mazabuka considered that three diseases were running concurrently, viz., Chicken Pox, Alastrim and Small Pox. The Medical Officer at Choma stated the disease was true Small Pox. The death rate in this district was high.

The disease in Livingstone illustrates some common features of the epidemic. At the onset of the epidemic it was mild in character, the rash was discrete, secondary fever was absent, the patients were not

acutely ill, and there were no deaths. During the course of the epidemic the disease took on a more virulent form and the rash became confluent, but there was in the majority of cases no secondary temperature, no induration, and only a few deaths occurred in natives who had been exposed in the bush before coming under treatment. It was considered that these factors, and particularly the absence of secondary fever, pointed to the disease being Alastrim or Amaas.

This view was modified as the result of experience gained during the epidemic.

The mild character of the disease was the principal factor in its spread. The natives had no fear of it, and patients from infected areas were carried to their homes in clean areas.

Vaccination as a preventative was to some extent discredited amongst them by its failure to give protection. Instances were reported of persons recently successfully vaccinated contracting the disease, and one experienced Missionary doctor considered that vaccination did not give full protection during the first year. It is probable, however, that in the majority of districts where vaccination failed to control the epidemic, it was due to unsuccessful vaccination. The lymph was transported hundreds of miles to the scene of action and the vaccinators employed, owing to the widespread nature of the epidemic, were natives who were inexperienced.

In the districts in which vaccination was carried out under the supervision of a Medical Officer the epidemic was controlled by this means, and any fresh outbreak was usually found in an unvaccinated person who had recently arrived.

In the Barotse Valley vaccination proved unsuccessful in staying the epidemic though carried out under the supervision of a European, but the climatic conditions were against the vaccine arriving in good condition.

The difficulties in diagnosis are illustrated in three European cases who developed the disease in the Livingstone Hospital. They were admitted for Pyrexia and afterwards developed a rash.

(A) This case was typical and the shotty nature of the rash when it first appeared was characteristic. An experienced Nursing Sister, however, diagnosed Measles.

(B) The rash when first seen presented an entirely different appearance. It was quite superficial, there was no induration or shottiness, but it developed later into a typical confluent rash. This patient had been in the hospital, prior to contracting Small Pox, within a period of three months, with the following diseases: Carbuncle, Pneumonia, Erysipelas. The disease proved fatal.

(C) The rash was not typical. When it was first seen it was thought to be an enteric rash. It then became vesicular, and resembled Chicken Pox. The vesicles were surrounded by an area of irregular shaped Erythema, amœboid in shape. The vesicles came out in a succession of crops, and there was disagreement in the diagnosis. Two Medical Officers considered it was Alastrim, a third still affirms it was Chicken Pox. The premonitory symptoms in the case were severe, and convalescence prolonged.

The conclusions arrived at as the result of experience gained during the epidemic are :—

(1) That Alastrim, Amaas, Kaffir Pox are the same disease, viz., Small Pox.

(2) That for administrative purposes no distinction should be made, and every case should be treated as Small Pox.

(3) That there is no security that during a mild epidemic the disease will remain mild. It is apt at any time to take on a more virulent form.

(4) That the failure of vaccination to control the epidemic was due to :—

(a) Inactive Vaccine.

(b) Unskilful vaccination.

(c) Carelessness on the part of natives in charge of vaccine who fail to take precautions to keep it in good condition, *e.g.*, leaving it exposed to a hot sun, or in failing to keep the package containing it wrapped in damp cloths.

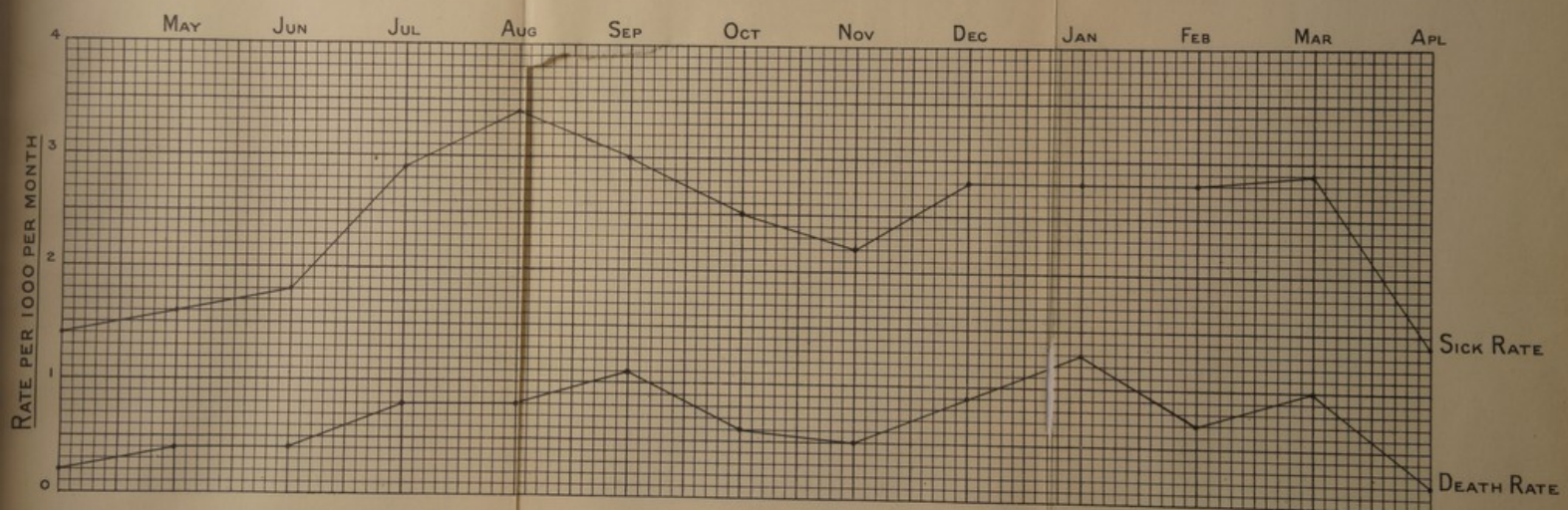
The following extracts of Reports are of interest :—

Dr. McGregor, Choma : " The disease was undoubtedly Small Pox. The death rate was 6·3 per cent. of all cases. A number of cases of Chicken Pox were also seen ; many cases if seen by themselves might have been diagnosed as Amaas or Kaffir Pox, but as they occurred side by side with more virulent Small Pox, it is fairly certain that they were one and all the same disease, viz., Small Pox." The death rate in this district was higher than in other districts.

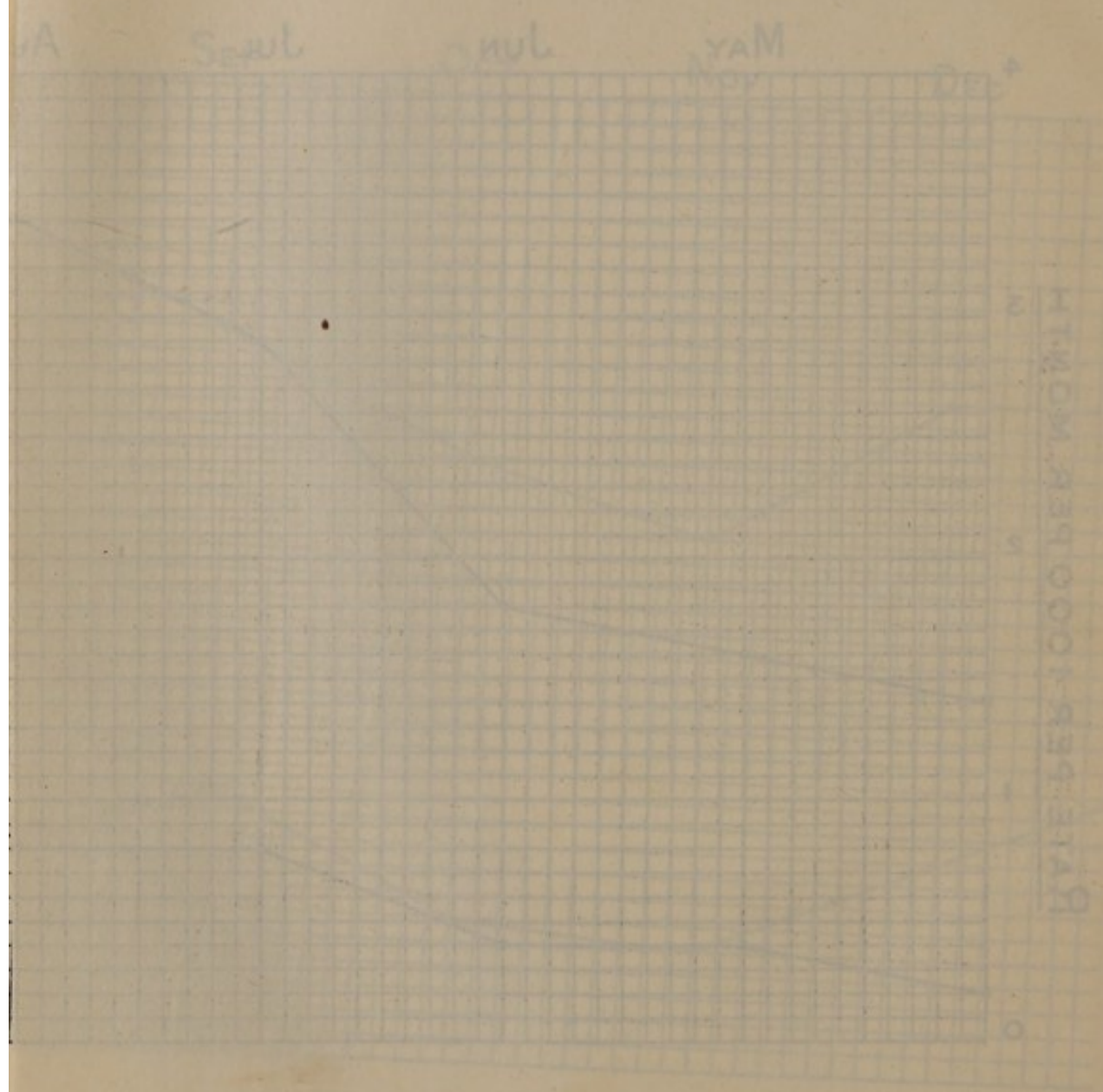
Dr. Murray, Kasama : " The disease varies greatly in virulence—30 per cent. of the vaccinations are successful, but the lymph rarely arrives fresh enough."

The outbreak appears to vary in different localities and to take on the character of each of the above diseases (Small Pox, Amaas or Alastrim, Chicken Pox) at various times.

PNEUMONIA. ALL MINES. PERIOD 1-1-28 TO 31-12-28.



MINES Period 1-1-28 to 31-12-



A Native Commissioner reports the case of a European who was successfully vaccinated at Bulawayo and shortly after contracted this native disease.

Dr. Reutter at Sesheke Mission: "The natives did absolutely nothing to avoid contagion, and against all advice were sleeping under the same blanket with a patient covered with vesicles or rash and travelling home to their village before being completely healed. I consider segregation impossible with such a mentality, and the only way would be to vaccinate everybody.

"In some cases death occurred, but very few as far as we can know. In opposition with the last epidemic of Small Pox, when many became blind, this year I did not see any case or did not hear of any, so the epidemic was not very virulent."

Dr. Kinghorn states that the type of Small Pox in the Abercorn district is mild and the mortality rate low, and comments on the fact that on arrival there the vaccine is inert.

INFLUENZA AND PNEUMONIA.

The Barotse, Mankoya, Balovale and Livingstone natives are particularly susceptible to these diseases, or to an infection of the respiratory system which clinically resembles influenza. Broncho Pneumonia, a usual complication, accounts for the high mortality rate at the Livingstone Hospital. The patients are usually admitted at a late stage of the disease in which the prognosis is bad, or hopeless.

A mild epidemic of this disease amongst natives residing in Livingstone usually occurs during the cold months of the year. The disease is carried by native servants to the European population, a number of whom suffer from Catarrhal symptoms of an influenzal character. Serious complications in Europeans do not usually arise, but the symptoms are accompanied by prostration and debility, and convalescence is tedious. The mortality rate amongst native children is high.

This disease (Influenza) is also prevalent throughout the Territory and the complications lead to a deplorable loss of young and adult native lives which can ill be spared, and calls for special investigation. The usual complications of this or a similar disease in Broken Hill have been referred to before.

The seasonal incidence of Pneumonia, probably influenzal in origin, on the Mines is well illustrated by the following chart prepared by the Mines Department. It shows a steady increase during the cold seasons of the year, the sharpest incline being during the two coldest months,

June and July. There is another rise coincident with the onset of the rains, the same level being maintained throughout the rains, and declining at their termination. The death rate curve follows the incidence curve.

A severe epidemic of Influenza was reported in the Mashe area of the Nalolo sub-district close to the Angola Border in August, but no deaths were reported.

LEPROSY.

The following table shows the number of cases reported to December 31st, 1928, as well as their distribution:—

Kasama	...	...	...	...	63
Luwingu	...	...	...	...	129
Mpika	...	...	...	...	87
Chinsali	...	...	...	...	62
Mongu-Lealui	...	...	...	...	912
Balavole	...	...	...	...	386
Sesheke	...	...	...	...	344
Kalabo	...	...	...	...	746
Mankoya	...	...	...	...	172
Nalolo	...	...	...	...	260
Mazabuka	...	...	...	...	179
Livingstone	...	...	...	...	220
Kalomo	...	...	...	...	200
Fort Jameson	...	...	...	...	286
Lundazi	...	...	...	...	29
Petauke	...	...	...	...	73
Lusaka-Chilanga	...	...	...	...	21
Feira	...	...	...	...	42
Mumbwa	...	...	...	...	88
Namwala	...	...	...	...	98
Kasempa	...	...	...	...	29
Solwezi	...	...	...	...	17
Mwinilunga	...	...	...	...	15
Broken Hill	...	...	...	...	59
Ndola	...	...	...	...	117
Serenje	...	...	...	...	34
Mkushi	...	...	...	...	51
Fort Rosebery	...	...	...	...	161
Kawambwa	...	...	...	...	123
Chiengi	...	...	...	...	36
Abercorn	...	...	...	...	142
Isoka	...	...	...	...	32
Mporokoso...	...	...	...	...	57
Grand Total	...	...	...	...	5,270

Lack of funds has formerly prevented any serious attempt to tackle the problem of Leprosy in Northern Rhodesia, but it is hoped that in the near future treatment will be available for a limited number of patients. At the Missionary Conference in 1927 a Committee was formed to deal with the subject, and some Missionary Societies started the treatment of lepers at their own stations. A supply of hydnocreol was received from the British Empire Leprosy Relief Association. The result of these activities illustrates the need of careful organisation, and combined action of all who are willing to help. An increasing number of patients was received without proper consideration of the amount of the necessary drug available, and consequently supplies were soon exhausted, and treatment had to be stopped.

With the co-operation of the Secretary of the Leprosy Committee, organisation capable of expansion on sounder lines is being arranged, and cases for treatment are being more carefully selected. The necessity, at present, for limiting treatment to early cases capable of cure has perhaps not been fully realised. Leper colonies of treatment are being organised, and the Secretary of the British Empire Relief Association has promised assistance. While progress in the early stages must be slow, it is hoped that the foundations of a scheme which will in time stamp out this disease have been laid. Leper colonies have been formed on the following Missionary Stations:—

Dutch Reform Church Missionary Society; Dr. Knobel,
Madze Moyo; Seventh Day Adventist, Dr. Marcus, Mwami;
Dr. Watney, Kabe Hill.

Other Missionary Societies are assisting in this work.

The interest taken by Mr. Oldrieve, Secretary of the British Empire Leprosy Relief Association, must be mentioned, and the assistance given in the past, and promised in the future, acknowledged.

ENTERIC GROUP.

HOSPITAL CASES, 1927 AND 1928.

	1927				1928			
	European		Natives		European		Native	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Livingstone ...	15	2	4	2	6	—	3	1
Broken Hill ...	1	1	8	3	2	—	4	4
Lusaka ...	—	—	—	—	2	—	—	—
	16	3	12	5	10	—	7	5

EPIDEMIC CEREBRO SPINAL MENINGITIS.

Though many cases of this disease occurred throughout the territory there was no definite epidemic. It broke out at the Barotse National School, and the Missionary School at Kafue, at approximately the same time.

A European, who died of the disease, was infected in Southern Rhodesia, and an Indian died the day after his arrival in Livingstone, having proceeded direct to Livingstone from overseas via Beira.

Pneumococcal Meningitis is not an uncommon disease in the Livingstone Native Hospital.

HELMINTHIC DISEASE.

ANKYLOSTOMIASIS.

The result of continued investigations at the Livingstone Native Hospital confirms the results of those carried out last year. The infection is widespread. Many of the chest cases admitted to the Hospital arrive in an emaciated condition and have been found to be suffering from Ankylostomiasis. The concurrent infection with Ankylostomiasis is one explanation of the high mortality rate from chest diseases.

The stools of 175 natives admitted to the hospital, irrespective of the disease for which they were admitted, were examined and 110 or 62·87 per cent. showed Ankylostome infection. As the flotation method was employed only in the last 50 cases of this series the percentage was probably much higher.

BILHARZIASIS.

It is uncertain to what extent this disease is prevalent. It is uncommon in the Livingstone district, but numerous ova were present in the appendix of a European patient operated on in the Hospital.

Dr. Acheson at Fort Jameson reports that 17 cases were treated there, of whom 15 were young children, and states that reliable natives affirm that the disease is prevalent in the district.

Vital Statistics.

(1) GENERAL NATIVE POPULATION.

Estimated Native Population 1,261,972

This is an increase over 1927 of 24,486 or 1·97 per cent.

The following statistics are based on figures supplied by the Native Affairs Department :—

Total Births 1928	...	...	...	...	2,172
Number of Deaths of Infants under one year of age					467
Infant Mortality rate per Thousand Births				...	215·01

Registration is not compulsory and it is therefore not possible to compile complete vital statistics owing to lack of exact date.

(2) GENERAL EUROPEAN POPULATION.

European Population	...	...	...	...	7,536
Increase over 1927	...	...	...	...	261
Deaths registered 1928	...	...	...	...	97
Death Rate per 1,000	...	...	...	...	12.87
Death Rate per 1,000 in 1927	...	...	...	...	9.89
Number of Deaths of Infants under one year of age					15

The causes of deaths of infants were :—

Enteritis	...	...	...	...	2
Natural Causes	...	...	...	...	1
Premature Birth	...	...	...	...	3
Malaria	...	...	...	...	1
Convulsions...	...	...	...	...	1
Croup (Cardiac failure)	...	...	...	...	1
Heart failure	...	...	...	...	1
Meningitis	...	...	...	...	2
Purpura Haemorrhagica	...	...	...	...	1
Whooping Cough	...	...	...	...	1
Pneumonia	...	...	...	...	1
					—
					15
					—

When a Medical Certificate is not available the cause is supplied by the nearest relative.

The following table shows the causes of deaths as given in the Registrar's Returns :—

TABLE I.

Causes of Deaths.	No.
Blackwater ...	19
Blackwater and Pneumonia	1
Senility	2
Cerebral Haemorrhage	4
Heart Failure	4
Heat Stroke	1
Heart Disease	1
Enteritis	2
	—
<i>Carried forward</i>	34

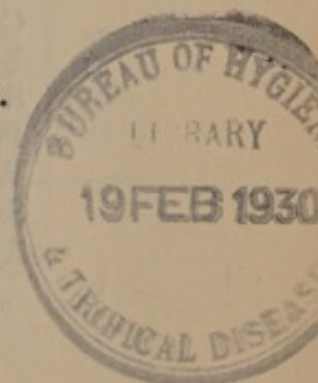


TABLE I—*continued.*

Causes of Deaths.					No.
	<i>Brought forward</i>	...	...	...	34
Natural causes	...	...	...	...	3
Malaria	...	...	...	...	3
Sunstroke	...	...	...	...	1
Malaria Coma	...	...	...	...	1
Appendicitis	...	...	...	...	1
Drowned	...	...	...	...	1
Acute Nephritis (Cardiac failure)	...	...	...	...	1
Croup	...	...	...	...	1
V.D.H.	...	...	...	...	1
Dysentery	...	...	...	...	3
Cerebral Meningitis	...	...	...	...	2
C.S. Meningitis	...	...	...	...	3
Meningitis	...	...	...	...	2
Premature Birth	...	...	...	...	3
Cirrhosis of Liver	...	...	...	...	1
Wounds by lion	...	...	...	...	1
Misadventure (under anaesthetic)	...	...	...	...	1
Enteric	...	...	...	...	2
Cerebral Embolism	...	...	...	...	2
Phthisis	...	...	...	...	4
Motor Accidents	...	...	...	...	3
Apoplexy	...	...	...	...	1
Convulsions...	...	...	...	...	1
Pneumonia	...	...	...	...	8
Purpura Haemorrhagica	...	...	...	...	1
Erysipelas	...	...	...	...	1
Suicide	...	...	...	...	1
Accidental Dip Poisoning...	...	...	...	...	1
Uraemia	...	...	...	...	1
Cancer	...	...	...	...	2
Influenza	...	...	...	...	1
Sleeping Sickness	...	...	...	...	1
Peritonitis	...	...	...	...	1
Whooping Cough	...	...	...	...	1
Small Pox	...	...	...	...	1
Arterio-Sclerosis	...	...	...	...	1
					—
					97
					—

It should be noted that Medical Certificates are not always available, and in the absence of a certificate the cause of death is notified by the relatives.

TABLE II.

SHOWING DEATH RATES PER 1,000 FROM MALARIA, BLACKWATER FEVER, TOTAL CLIMATIC AND TOTAL ALL CAUSES FOR 20 YEARS.

Year.	Total Climatic.	Black-water.	Malaria.	Total All Causes.
1908-09	11.29	11.29	—	24.28
1909-10	23.30	18.20	3.80	37.42
1910-11	8.40	7.70	1.80	27.87
1911-12	10.50	6.60	3.60	25.20
1912-13	10.50	5.70	2.60	23.68
1913-14	8.69	6.08	2.60	18.70
1914-15	6.60	5.70	.40	20.40
1915-16	9.28	4.64	1.85	18.11
1916-17	5.08	3.23	.92	18.93
1917-18	3.75	2.80	.83	17.80
1918-19	5.20	2.00	2.40	28.40
1919-20	2.80	2.40	—	12.80
1920-21	5.80	2.70	1.80	15.40
1921-22	4.12	2.75	.82	14.30
1922-23	5.20	3.40	1.05	13.42
1924	2.70	1.80	.45	9.04
1925	2.82	1.52	1.30	13.70
1926	2.86	2.14	.71	11.10
1927	2.88	1.23	1.10	9.89
1928	3.58	2.65	.53	12.87

TABLE III.

EUROPEAN DEATHS SHOWING AGE PERIODS.

	0-1	1-5	5-15	15-25	25-35	35-45	45-55	55-65	65-75	75-85	Un-known	Total.
1925	15	5	1	6	4	5	19	5	1	1	1	63
1926	7	5	1	5	6	12	14	5	—	3	4	62
1927	18	4	3	7	9	7	13	4	5	—	2	72
1928	15	2	3	11	14	19	18	9	4	1	1	97

EUROPEAN BIRTHS.

European Births, 1928	...	...	...	195
97 Males.				
98 Females.				
Birth Rate per 1,000	...	...	...	25.8
European Births, 1927	...	...	...	144
70 Males.				
74 Females.				
Birth Rate per 1,000	...	...	...	19.79

TABLE SHOWING THE SICK, INVALIDING AND DEATH RATES OF EUROPEAN OFFICIALS.

	1926.	1927.	1928.
Total number of officials resident	369	429	446
Average number resident	308	372	372
Total number on sick list	54	72	175
Total number of days on sick list	375	1,054	1,587
Average daily number on sick list	2.01	2.88	4.34
Percentage of sick to average number resident	0.65	0.77	1.17
Average number of days on sick list for each patient	13.60	14.60	9.07
Average sick time to each resident... ..	2.38	2.83	4.27
Total number invalided	—	2	2
Percentage of invalidings to each resident ...	—	.46	.45
Total deaths	1	4	2
Percentage of deaths to total residents ...	.27	.93	.45
Percentage of deaths to average number resident ... ..	.32	1.07	.54
Number of cases of sickness contracted away from residence		Not known	

SECTION III.

Hygiene and Sanitation.

A.—GENERAL REVIEW OF WORK DONE AND PROGRESS MADE.

No Health Officer has been appointed and there is no special sanitary service in Northern Rhodesia.

(I.)—PREVENTIVE MEASURES.

VACCINATION.

It has been impossible to keep accurate figures of the number of vaccinations owing to the widespread nature of the epidemic of Small Pox, and the necessity for intensive vaccination campaigns in outlying districts under circumstances which rendered it impossible to keep accurate statistics. From the experience gained during the present epidemic and the spread of the disease through districts previously vaccinated it is considered that the estimate of the percentage of successful vaccinations in the last Annual Report was unduly optimistic.

The figures of vaccination available are :—

Abercorn	15,406
Mongu	25,235
Fort Jameson	74,719
Fort Rosebery	20,985
Kasama	27,549
Solwezi	14,805
Choma	20,533
Mazabuka	29,549

(II.)—GENERAL MEASURES OF SANITATION.

The Medical Officer is responsible for the general sanitation of his station and the outstations in his district. Where a sufficient number of residents justify it Management Boards are formed, the Senior District Official acting as Chairman and the Medical Officers being *ex officio* members of the Board. These Management Boards are responsible for the carrying out of the essential sanitary services, and the clearance of bush and undergrowth. Their activities are often restricted for lack of funds, but they are assisted, if necessary, by Government Loans.

The Medical Officers at Abercorn, Fort Jameson and Fort Rosebery have commented on the necessity for more extensive clearing around their stations.

(III.)—SCHOOL HYGIENE.

MEDICAL INSPECTION OF SCHOOLS.

Inspections were carried out by the Local Medical Officers, the arrangement for retaining the services of a Medical Inspector of Schools for this purpose having fallen through owing to the regretted death of the officer in question.

The health of the children was satisfactory, the recommendations made referring principally to enlarged tonsils and adenoids. It is hoped that in the near future there will be Health Officers who have undergone a special course of instruction in this work available for inspections.

It was noted that the physique and general health of the boarders compared favourably with that of the day scholars.

SCHOOL DENTAL INSPECTION AND TREATMENT.

All schools were regularly inspected by Dental Surgeons approved by the Government, but it is unfortunate that many parents fail to avail themselves of the facilities for treatment offered.

(IV.)—LABOUR CONDITIONS.

RECRUITMENT AND REPATRIATION OF NATIVE LABOUR.

The conditions under which labour is recruited and repatriated remain as before. They are working well and give cause for no comment.

MINES.

Of the new mines in the Ndola district the Roan and Nchanga Mines employ full-time Medical Officers. The Bwana Mkubwa Medical

Officer visits the Nkana once a week or when required. Dr. Williams was appointed to the Rhodesian Selection Trust Group during the year and was first stationed at Chambishi, a small prospecting property, but at the end of the year was transferred to Mufilira Mine, where active developments were commencing. Housing, food, drinking water and sanitation are supervised by members of the District Administration Staff. There is no Government Medical Officer stationed at Ndola, and no regular medical inspections are made.

The Mines are still in the prospecting stage, and temporary compounds and Native Hospitals are in use. Permanent compounds and hospitals will be erected on better sites next year. The present compounds and hospitals may be considered satisfactory in view of the improvements contemplated during the coming year, but the general sanitation, especially of contractors' camps, is defective, and there have been cases of enteric fever at the Roan and Nkana. The following table shows the incidence of sickness on the Mines. For the sake of comparison a table has been prepared showing the incidence of Malaria, Influenza and Pneumonia on five of the principal mines. This table shows a very remarkable difference in the incidence of Malaria and Influenza. During 1928 Broken Hill returned no cases of Malaria, while at Bwana Mkubwa 437 with 3 deaths were shown. On the other hand, Broken Hill shows 530 cases of Influenza, Bwana Mkubwa returning only 106, and the Roan returning none.

The personal factor of the Medical Officer has some bearing on these statistics, some considering all attacks of Pyrexia to be due to Influenza, and others attributing such attacks, unless accompanied by catarrhal symptoms, as being due to Malaria.

Investigations at Livingstone where blood is examined show that a large number of cases of Pyrexia are due to Malaria, but death from uncomplicated cases of Malaria in adult natives is exceedingly rare. Accurate statistics as regards Pneumonia are also difficult to arrive at. Cases admitted as Influenza often develop Pneumonia. If the case recovers the diagnosis probably remains unchanged whereas when death occurs Pneumonia is often certified as the cause. This results in a higher case mortality rate for Pneumonia than is strictly correct. So-called Influenza, Influenzal Pneumonia and other types of Pneumonia which are prevalent throughout the country call for investigation. There is a decided difference of opinion amongst the various medical officers as to whether the type is Lobar or Broncho Pneumonia. Dr. Powell records five European cases of Lobar Pneumonia at Lusaka.

The need for more accurate diagnoses in the Mine Health and Mortality must be emphasized. As at present compiled they are of little value.

Unspecified diseases appear in the following returns for the year:—

UNSPECIFIED DISEASES.

	Chest.	Deaths.	Intes- tinal.	Deaths.	Others.	Deaths.
Broken Hill ...	4	—	2	—	—	—
Bwana Mkubwa ...	—	—	1	1	150	1
Nkana ...	2	—	—	—	—	—
Roan ...	39	8	18	5	250	4
Nchanga ...	2	—	—	—	—	—

The five deaths on the Roan Mine appearing under the heading other intestinal diseases were due to enteric.

MALARIA.

	No. of Cases.	Deaths.	Mortality Rate per cent.	Incidence per mille.	Death Rate per mille.
Broken Hill ...	—	—	—	—	—
Bwana Mkubwa ...	437	3	·69	233·69	1·60
Nkana ...	92	2	2·17	212·96	4·63
Roan ...	144	1	·70	58·54	·40
Nchanga ...	1	—	—	1·36	—

INFLUENZA.

	No. of Cases.	Deaths.	Mortality Rate per cent.	Incidence per mille.	Death Rate per mille.
Broken Hill ...	530	5	·94	169·33	1·60
Bwana Mkubwa ...	106	15	14·15	56·68	8·02
Nkana ...	78	1	1·28	180·56	2·31
Roan ...	—	—	—	—	—
Nchanga ...	76	—	—	103·54	—

PNEUMONIA.

	No. of Cases.	Deaths.	Mortality Rate per cent.	Incidence per mille.	Death Rate per mille.
Broken Hill ...	73	19	26·03	23·32	6·07
Bwana Mkubwa ...	80	22	27·50	47·78	11·76
Nkana ...	12	6	50·00	27·78	13·89
Roan ...	85	35	41·18	34·55	14·23
Nchanga ...	13	3	23·07	17·71	4·09

MAJOR ACCIDENTS.

	No. of Cases.	Deaths.	Mortality Rate per cent.	Incidence per mille.	Death Rate per mille.
Broken Hill ...	3	—	—	.96	—
Bwana Mkubwa ...	7	1	14.28	3.74	.53
Nkana ...	4	2	50.00	9.26	4.63
Roan ...	8	2	25.00	3.26	.81
Nchanga ...	3	1	33.33	4.09	1.36

BROKEN HILL MINE (1928)—AVERAGE NUMBER EMPLOYED, 3,130.

Disease.	Total Sick.	Total Deaths.	Case Mortality per cent.	Sickness incidence rate per mille employed.	Death Rate per mille employed.
Influenza ...	530	5	.94	169.33	1.60
Pneumonia ...	73	19	26.03	23.32	6.07
Dysentery ...	12	2	16.67	3.83	.64
Enteric Fever ...	3	1	33.33	.96	.32
Tuberculosis ...	4	3	75.00	1.28	.96
Phthisis ...	2	2	100.00	.64	.64
Variola ...	3	1	33.33	.96	.32
C.S. Meningitis ...	1	1	100.00	.32	—
Major Accidents ...	3	—	—	.96	—
Minor Accidents ...	239	—	—	76.36	—
Other Diseases ...	141	10	7.09	45.05	3.19
Total ...	1,011	44	4.35	323.00	14.06

Deaths from "Other Diseases" were :—

Onyalai ...	2
Cerebral Thrombosis ...	1
Epilepsy ...	1
Abscesses ...	4
Mycetoma of Foot ...	1
Tubercular Peritonitis ...	1
	—
	10
	==

BWANA MKUBWA MINE (1928)—AVERAGE NUMBER
EMPLOYED, 1,870.

Diseases.	Total Sick.	Total Deaths.	Case Mortality per cent.	Sickness incidence rate per mille employed.	Death Rate per mille employed.
Malaria	437	3	·69	233·69	1·60
Influenza	106	15	14·15	56·68	8·02
Pneumonia	80	22	27·50	42·78	11·76
Dysentery	5	1	20·00	2·67	·53
Major Accidents ...	7	1	14·28	3·74	·53
Minor Accidents ...	81	1	1·23	43·32	·53
Other Diseases ...	318	7	2·20	17·01	3·74
Total ...	1,034	50	4·83	552·94	26·74

Deaths from " Other Diseases " were :—

Diarrhœa	3
Not specified	2
Cerebral Hæmorrhage	1
Meningitis	1
	7

NCHANGA MINE (1928)—AVERAGE NUMBER EMPLOYED, 734.

Disease.	Total Sick.	Total Deaths.	Case Mortality per cent.	Sickness incidence rate per mille employed.	Death Rate per mille employed.
Malaria	1	—	—	1·36	—
Influenza	76	—	—	103·54	—
Pneumonia	13	3	23·07	17·71	4·09
Dysentery	1	1	100·00	1·36	1·36
Major Accidents ...	3	1	33·33	4·09	1·36
Minor Accidents ...	130	—	—	177·11	—
Other Diseases ...	60	2	3·33	8·17	2·72
Total ...	284	7	2·46	386·92	9·54

Deaths from " Other Diseases " were :—

Ruptured Spleen	1
Ruptured Aneurism	1
	2

ROAN ANTELOPE MINE (1928)—AVERAGE NUMBER
EMPLOYED, 2,460.

Disease.	Total Sick.	Total Deaths.	Case Mortality per cent.	Sickness incidence rate per mille employed.	Death Rate per mille employed.
Malaria	144	1	.70	58.54	.40
Pneumonia	85	35	41.18	34.55	14.23
Dysentery	1	—	—	.40	—
Major Accidents ...	8	2	25.00	3.26	.81
Minor Accidents ...	946	—	—	384.55	—
Other Diseases ...	335	18	5.37	136.18	7.32
Total ...	1,519	56	3.69	617.48	22.76

Deaths from " Other Diseases " were :—

Other diseases of chest	8
Enteric Fever	5
Diseases not specified	4
Heart Disease	1
—	—
	18
	==

NKANA MINE (1928)—AVERAGE NUMBER EMPLOYED, 432.

Disease.	Total Sick.	Total Deaths.	Case Mortality per cent.	Sickness incidence rate per mille employed.	Death Rate per mille employed.
Malaria	92	2	2.17	212.96	4.63
Influenza	78	1	1.28	180.56	2.31
Pneumonia	12	6	50.00	27.78	13.89
Dysentery	1	—	—	2.31	—
Tuberculosis	1	—	—	2.31	—
Major Accidents ...	4	2	50.00	9.26	4.63
Minor Accidents ...	10	—	—	23.15	—
Other Diseases ...	98	1	1.02	226.85	2.31
Total ...	296	12	4.05	685.18	27.78

Deaths from " Other Diseases " were :—

Mental	1
—	—
	1
	==

(V.)—HOUSING AND TOWN PLANNING.

Dr. Kinghorn's comments on this subject are of interest. "Up to the present no steps have been taken, other than spasmodic individual ones, to improve the planning of native villages, and these, as a general rule, are as crowded, filthy and devoid of any attempt at sanitation as they were before Europeans appeared in the country. Owing to the scantiness of the native population and the distance between the villages, preventable disease, though unnecessarily high, is not as serious as it would be were the villages situated closer together. This will be the result as soon as the natives are compelled to live in reserves and it would therefore appear to be advisable to commence educating the general native population to the importance of properly-laid-out villages and of ordinary sanitation. Under existing conditions it is very difficult for medical officers to do any district travelling and in any event they possess no powers to enforce any orders on the natives. This must be done by the executive officers and I would repeat, therefore, the suggestion I made last year that the co-operation of the district officials should be enlisted in this work. They are constantly travelling in their districts and thus have the opportunity of seeing the villages and of pointing out to the headmen ways in which improvements can be made. It may be pointed out that under Proclamation No. 8 of 1916 certain duties are laid on the headmen, including supervision of the sanitation, conservation of water supplies and notification of disease, so that no fresh legislation is required for the work advocated. If the existing law were enforced I have no doubt that improvement in the general village conditions would speedily become apparent, the more so as most of the able-bodied men have worked on mines where they have been compelled to observe certain regulations as to cleanliness. Such opposition as exists to the enforcement of the use of proper latrines and so on is found amongst the women and older natives and compulsion will have to be used at first to get them to fall into line."

MEASURES TAKEN TO SPREAD KNOWLEDGE OF HYGIENE AND SANITATION.

A course of Hygiene is included in the Government European School Curriculum.

NATIVES.

Instruction in the elementary principles of personal and general hygiene and sanitation is now part of the curriculum of all Government and Missionary Schools. Six Native Health Agents are now being trained by Dr. Chisholm of the Mwenzo Mission.

The following is an extract from a Report by the Acting Director of Native Education as to their duties :—"The duties of these men are to supervise the sanitary conditions of the villages in this area, to induce the villagers to keep the villages clean, to protect the village wells from

pollution, and to prevent the surroundings of the villages being fouled. They have been given some training in First Aid and simple medical work by Dr. Chisholm."

RECOMMENDATIONS FOR FUTURE WORK.

In view of the rapid development of the country, the appointment of a Senior Health Officer of wide tropical experience and the organisation of a Sanitary Service is one of the most urgent requirements of the Territory.

SECTION IV.—PORT HEALTH WORK AND ADMINISTRATION.

The Medical Officer at Abercorn has been appointed Port Health Officer at Mpulungu and is on duty at the port whenever a steamer calls there.

SECTION V.—MATERNITY AND CHILD WELFARE.

The clinic which was established at Livingstone is doing useful work. There were 454 attendances during the year.

The Maternity Training and Welfare Centre at Mbereshi has now been established with Dr. Margaret Morton in charge. The London Missionary Society receives a grant-in-aid for this purpose.

At the London Missionary Society Centre between June and December :—

6 motherless babies were adopted.

5 abnormal cases were attended.

25 prenatal cases were visited—average number of visits paid, 6.

16 babies were in attendance.

Very satisfactory reports have been received from Mongu, where a centre was opened at the beginning of the year. Lectures are given to native women twice weekly on the care of infants and general hygiene. There were 1,782 attendances during the year.

The Maternity and Welfare Centre at Kasama will be opened next year.

SECTION VI.—LIVINGSTONE EUROPEAN HOSPITAL.

The new wing mentioned in the last Annual Report was opened in April, and there is now sufficient accommodation for all present needs.

The other European Hospitals remain as before.

A new hospital at Fort Jameson is under construction and will be available for use early next year.

NATIVE HOSPITALS.

With the exception of Mongu and Broken Hill the Native Hospitals throughout the territory cannot be considered satisfactory. The buildings are old and unsuitable, and the accommodation provided no longer meets the needs of the districts in which they are situated. The necessity for more accommodation at Livingstone is particularly pressing.

The building scheme for next year includes additional ward accommodation to most of the existing hospitals and new hospitals at Livingstone, Lusaka, Abercorn and Balovale, and two complete hospital units for the native reserves on sites to be selected north and south of the Kafue River.

LIVINGSTONE EUROPEAN.

During the year 1927 there were 297 admissions and 8 deaths.
(Daily average in hospital 4.4.)

During the year 1928 there were 335 admissions and 15 deaths.
(Daily average in hospital 8.82.)

BROKEN HILL EUROPEAN.

During the year 1927 there were 361 admissions and 8 deaths.
(Daily average in hospital 9.6.)

During the year 1928 there were 412 admissions and 9 deaths.
(Daily average in hospital 15.8.)

LUSAKA EUROPEAN.

Daily Average.

4.4	1927	...	...	184 admissions	10 deaths.
5.8	1928	...	...	220 „	6 „

FORT JAMESON EUROPEAN.

Daily Average.

1.99	1927	...	...	49 admissions	1 death.
1.66	1928	...	...	50 „	1 „

KASAMA EUROPEAN.

Daily Average.

.63	1927	...	...	13 admissions	Nil deaths.
.36	1928	...	...	10 „	„ „

MONGU EUROPEAN.

Daily Average.

.06	1927	...	...	2 admissions	Nil deaths.
.13	1928	...	..	6 „	„ „

LIVINGSTONE NATIVE.

1927	...	...	1,226 admissions	185 deaths.
1928	...	...	1,386 „	188 „

BROKEN HILL NATIVE.

1927	...	...	1,804 admissions	117 deaths.
1928	...	...	1,622 „	115 „

FORT JAMESON NATIVE.

1927	...	...	416 admissions	23 deaths.
1928	...	...	474 „	31 „

KASAMA NATIVE.

1927	...	...	326 admissions	7 deaths.
1928	...	...	341 „	10 „

MONGU NATIVE.

1927	...	...	432 admissions	15 deaths.
1928	...	...	557 „	14 „

MAZABUKA NATIVE.

1927	...	...	824 admissions	14 deaths.
1928	...	...	867 „	22 „

FORT ROSEBERY NATIVE.

1927	...	...	259 admissions	8 deaths.
1928	...	...	338 „	4 „

NDOLA NATIVE.

1927	...	...	353 admissions	18 deaths.
1928	...	...	435 „	34 „

SOLWEZI NATIVE.

1927	...	...	871 admissions	4 deaths.
1928	...	...	900 „	7 „

ABERCORN NATIVE.

6 Months 1927	62 admissions	2 deaths.
1928	102 „	4 „

CHOMA NATIVE.

1928	549 admissions	5 deaths.
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LUSAKA NATIVE.

1927	492 admissions	24 deaths.
1928	501 „	24 „

The following table shows the total cases treated in Native Hospitals for 1926, 1927 and 1928 :—

1926.

Station.	Cases Treated.	Deaths.	Mortality per cent.
Livingstone	1,076	113	10·5
Lusaka	498	17	3·4
Broken Hill	1,845	113	6·1
Mazabuka	335	17	5·1
Fort Jameson	660	13	·2
Kasama	344	10	2·8
Mongu	477	13	2·7
Ndola	349	12	3·4
Fort Rosebery	407	9	2·2
Solwezi	543	9	1·6
	6,534	326	4·98

1927.

Station.	Cases Treated.	Deaths.	Mortality per cent.
Livingstone	1,278	185	14·40
Lusaka	520	24	4·61
Broken Hill	1,936	117	6·04
Mazabuka	843	14	1·66
Fort Jameson	437	23	5·20
Kasama	336	7	2·08
Mongu	443	15	3·40
Ndola	385	18	4·70
Fort Rosebery	273	8	2·90
Solwezi	887	4	·45
Abercorn	62	2	3·20
	7,400	417	5·60

Station.					Cases Treated.	Deaths.	Mortality per cent.
Livingstone	...	...	...	...	1,480	188	12.70
Lusaka	...	...	...	...	534	24	4.49
Broken Hill	...	...	...	...	1,729	115	6.65
Mazabuka	...	...	...	...	924	22	2.38
Fort Jameson	...	...	...	...	476	31	6.51
Kasama	...	...	...	...	341	10	2.93
Mongu ...	...	...	...	...	573	14	2.44
Ndola	...	...	...	...	449	34	7.57
Fort Rosebery	...	...	...	...	345	4	1.16
Solwezi	...	...	...	...	943	7	.74
Abercorn	...	...	...	...	106	4	3.77
Choma ...	...	...	...	...	549	5	.91
					8,449	458	5.42

CO-OPERATION WITH MISSIONARY SOCIETIES IN PROVIDING MEDICAL FACILITIES FOR THE NATIVE POPULATION.

The scheme for providing medical facilities for the native population by co-operation with the Missionary Societies has been extended and additional grants-in-aid have been made. This method of providing medical facilities for the remoter districts has in the past given satisfactory results, and affords the most economical method of administering to the needs of a large native population.

A number of Missionary Societies are undertaking the training of medical orderlies, male and female. A number are also being trained at the Livingstone and Broken Hill Hospitals. The Medical and Nursing Staffs at both these hospitals are fully occupied with routine duties, and have not sufficient time to devote to the training of orderlies.

The training of medical orderlies at various centres has its objections; there is no recognised standard of training or curriculum. There is a danger of a number of insufficiently trained natives being turned out who will pose as medical orderlies, and yet it is difficult to provide natives who are sufficiently trustworthy and reliable to be placed in charge of outstations and rural dispensaries. It is hoped that when the native hospitals are provided for the native reserves, these will serve as training centres, and that all orderlies, no matter what previous

training they have had, will undergo a course of instruction there before being recognised as First Class Orderlies. Some definite standard of training would then be attained, and the medical staff, unhampered by the demands of a European population, would have sufficient time to give the necessary instruction. There is a lot of amateur doctoring being carried out throughout the territory by laymen whose intentions are excellent, but whose enthusiasm needs restraint.

If, in addition, half-trained native orderlies are entrusted with the administration of drugs, there is a danger that an ignorant native population will adopt the doctrine of the poor white throughout South Africa—that there is a medicine for every ill. Better results would be attained if the medical orderly was taught that proper food, cleanliness, warmth and ventilation were the first essentials in treatment and more important than drug treatment.

A Central Native Training Institution for the East African Dependencies, where more advanced medical education could be given to selected native orderlies, male and female, with the object of forming an efficiently trained African Medical and Sanitation Service, would be a most valuable institution. The training of native microscopists might be another branch of education of such an institution; natives appear to have special aptitude for this work.

The natives themselves appear anxious for instruction, and complaints are sometimes made by them that the instruction is not forthcoming. At Livingstone and at Broken Hill, where the European Staff is overworked, there are some grounds for such complaints. On the other hand, the training of medical orderlies is not to be lightly undertaken, and some definite standard of medical education is necessary.

NATIVE OR RURAL DISPENSARIES.

The Rural Dispensaries in the Kasama and Fort Jameson districts are functioning well, and native medical orderlies, when available, are placed at the various outstations. The expense of visiting these rural dispensaries is great, but when properly supervised, they do useful work, and provide the means of getting in touch with native people who would otherwise receive no medical attention. The district officials are constantly asking for additional dispensaries, but unfortunately the supply of reliable native orderlies is limited.

It is hoped to increase the number of rural dispensaries as the supply of trained orderlies increases, and the provision of roads ensures proper supervision.

PRISONS.

LIVINGSTONE.

Number committed 1928	251
Daily Average	111
Daily Average Sick	4.79
Admitted to General Hospital	19
Deaths	1
<i>Cause of Death.</i>	
Dysentery	1
<i>Diseases Treated in General Hospital.</i>	
Influenza	4
Pneumonia	2
Dysentery	2
Septic Cuts	4
Syphilis	1
Gonorrhœa	1
Inguinal Hernia	1
Ankylostomiasis	1
Abscess of thigh	1
Scurvy	1
Conjunctivitis	1
<hr/>	
Total	19
<hr/>	

MAZABUKA.

Number committed 1928	255
Daily Average	30.79
Deaths	1
<i>Cause of Death.</i>	
Influenza	1
<i>Diseases Treated in Hospital.</i>	
Pneumonia	5
Influenza	7
Surgical	
Lumbago	2
Syphilis	4
Malaria	1
Hæmoptysis	1
Epilepsy	1
Constipation	1
Diarrhœa	1
<hr/>	
Total	25
<hr/>	

MONGU.

Number committed 1928	178
Daily Average	40.36
Deaths	2

Cause of Death.

Mitral Valvular Disease	2
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Disease Treated in Hospital.

Malaria	15
Influenza	1
Dysentery	3
Syphilis	2
Gonorrhœa	...	...	...	1
Rheumatism	...	...	...	4
Angis Neurotic Oedema	...	...	...	1
Insanity	...	...	...	2
Valvular Mitral	...	...	...	2
Bronchitis	...	...	...	1
Broncho Pneumonia	...	...	...	2
Pleurisy	...	...	...	1
Enteritis	...	...	...	4
Ankylostomiasis	...	...	...	2
Enteralgia	...	...	...	2
Abscesses	...	...	...	2
Cellulitis	...	...	...	4
Malingering	...	...	...	1
Total	...	...	...	50

M.O.'s Remarks.—General health of convicts very satisfactory.
Sanitary state of gaol excellent.

KASAMA.

Number committed 1928	...	...	...	64
Daily Average Sick	...	...	...	1.7
Deaths	...	...	...	1

Cause of Death.

G.P.I.	1
--------	-----	-----	-----	-----	---

Diseases Treated.

Malaria	}	No figures available.
Rheumatism		
Diarrhœa		

M.O.'s Remarks.—Health of prisoners very good (above the average). Rations of clothing excellent and according to scale.

BROKEN HILL.

Number committed 1928 ...	...	...	725
Daily Average ...	...	...	91
Deaths ...	...	...	—

Diseases Treated in Hospital.

Conjunctivitis ...	...	...	8
Influenza ...	...	...	59
Syphilis ...	...	...	8
Otitis Media ...	...	...	4
Diarrhoea ...	...	...	10
Dysentery ...	...	...	6
Yaws ...	...	...	2
Pellagra ...	...	...	8
Pneumonia ...	...	...	4
Leprosy ...	...	...	2
Insanity ...	...	...	2
Rheumatism ...	...	...	2
Minor Injuries ...	...	...	1
Bronchitis ...	...	...	11

Total ... 127

M.O.'s Remarks.—Health of prisoners fair.

LUWINGU.

Number committed 1928 ...	...	...	142
Daily Average Sick ...	...	...	·04
Deaths ...	...	...	—

Diseases Treated.

Ulcers ... No figures available.

Remarks.—Gaol in good condition.

MPIKA.

Number committed 1928 ...	...	...	63
Daily Average Sick ...	...	...	·16
Deaths ...	...	...	—

Diseases Treated.

Malaria, Coryza.

CHINSALI.

Number committed 1928 ...	...	...	43
Daily Average Sick ...	...	...	·04
Deaths ...	...	...	—

Diseases Treated.

Malaria, Coryza, Sores.

ABERCORN.

Number committed 1928 ...	...	...	60
Daily Average ...	...	...	7.5
Deaths ...	...	...	—

Diseases Treated in Hospital.

Small Pox ...	...	...	1
Influenza ...	...	...	1
Syphilis ...	...	...	1
Epilepsy ...	...	...	2
Conjunctivitis ...	...	...	1
Sepsis following cut ...	...	...	1
Total ...	...	...	7

Remarks.—Gaol has been kept scrupulously clean and in good order.

FORT JAMESON.

Number committed 1928 ...	...	...	251
Daily Average ...	...	...	54
Deaths ...	...	...	4

Causes of Deaths.

Chronic Arthritis and Dysentery...	...	1
Myocarditis ...	...	1
Diarrhoea ...	...	1
Execution ...	...	1

Diseases Treated in Hospital.

Influenza ...	...	2
Dysentery ...	...	2
Syphilis ...	...	1
Pellagra ...	...	3
Conjunctivitis ...	...	1
Myocarditis ...	...	1
Lymphangitis ...	...	1
Tonsillitis ...	...	1
Diarrhoea ...	...	8
Abscess ...	...	4
Cellulitis ...	...	1
Cuts ...	...	5
Arthritis ...	...	1
Total ...	...	31

FORT ROSEBERY.

Number committed 1928	...	...	...	125
Daily Average	...	...	...	15
Deaths	...	...	...	—

Practically all treatment was to outpatients for trifling ailments.

Remarks.—Prison clean and well kept. General health of prisoners excellent.

SOLWEZI.

Hospital Admissions	...	...	...	—
Deaths	...	...	...	—
Outpatients	...	...	...	31
Total Attendances	...	...	...	69

Remarks.—Gaol still in state of disrepair that was commented on in 1927. Health of prisoners good.

TABLE IV.

METEOROLOGICAL RETURN FOR THE YEAR 1928.

(LIVINGSTONE OBSERVATORY.)

	Mean Max.	Mean Min.	Range.	Mean.	Rain- fall. (Ins.)	Humidity.	Winds General Direc- tions.	Av. Force.
January ...	86.7	67.6	19.1	77.2	6.67	75.5	N. 66 E.	1.1
February ...	92.9	67.3	25.6	80.1	1.39	57.5	S. 81 E.	1.1
March ...	88.9	67.3	21.6	78.2	2.27	66.5	S. 84 E.	1.2
April ...	87.0	60.4	26.6	73.7	1.20	51.5	S. 80 E.	1.3
May ...	80.1	50.6	29.5	65.3	—	47.0	S. 70 E.	1.1
June ...	80.6	48.2	32.4	64.4	trace	44.5	S. 77 E.	1.0
July ...	76.1	42.8	33.3	59.9	—	43.0	S. 70 E.	0.9
August ...	82.1	49.5	32.6	65.8	—	36.5	S. 66 E.	0.9
September ...	94.6	64.9	29.7	79.7	trace	32.0	S. 89 E.	1.3
October ...	97.2	72.4	24.8	84.8	0.12	26.5	S. 79 E.	1.4
November ...	95.4	70.3	25.1	82.3	2.40	39.5	S. 84 E.	1.5
December ...	90.0	68.6	21.4	79.3	10.67	59.5	N. 70 E.	1.4
Means ...	86.8	60.9	25.9	73.8	2.06	48.3		1.2

TABLE V.

COMPARISON OF 4 PLATEAU AND 3 ZAMBESI VALLEY STATION
TEMPERATURES PERIOD JULY, 1927, TO JUNE, 1928.

Month	Zambesi Valley Stations			Plateau Stations		
	Average Max.	Average Min.	Mean	Average Max.	Average Min.	Mean
July	80.2	50.6	65.4	74.2	50.9	62.5
August	85.4	53.5	69.3	79.0	52.8	65.9
September	94.0	63.1	78.5	84.1	58.8	71.4
October	97.4	69.3	83.3	90.3	63.6	76.9
November	96.4	70.4	83.4	87.9	62.9	75.4
December	90.5	66.8	78.6	83.1	62.8	72.9
January	88.8	69.0	78.9	83.9	62.4	73.1
February	96.3	69.6	82.9	82.3	61.4	71.8
March	90.1	68.6	79.3	80.0	62.4	71.2
April	89.8	64.6	77.2	78.0	58.6	68.3
May	84.1	55.5	69.8	75.5	53.7	64.6
June	83.9	54.3	69.1	76.9	51.9	64.4
Means	89.7	62.9	76.3	81.3	58.5	69.9

Means of—Mongu.
Livingstone.
Feira.Means of—Abercorn.
Fort Jameson.
Lusaka.
Kasama.

TABLE VI.
RETURN OF DISEASES AND DEATHS (EUROPEAN IN-PATIENTS)
FOR THE YEAR 1928.

LIVINGSTONE HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND INFEC- TIOUS DISEASES.						
1a.Typhoid Fever	—	4	—	4	—	
1d.Paratyphoid Fever (not defined)	—	5	—	5	2	
3. Relapsing Fever	—	2	—	2	—	
5c.Malaria	6	107	2	113	2	
5e.Blackwater	—	6	3	6	—	
6. Smallpox	—	3	1	3	—	
11. Influenza	—	2	—	2	—	
16c.Dysentery (undefined) ...	—	5	1	5	1	
24. Cerebro Spinal Fever...	—	2	1	2	1	
38e.Syphilis (period not indicated)	1	1	—	2	—	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
45. Cancer of the Intestines ...	—	1	—	1	—	
52. Rheumatism	—	1	—	1	—	
58. Anaemia	—	2	—	2	—	
66. Alcoholism	1	1	—	2	—	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
71. Meningitis	—	1	1	1	—	
77. Mental Alienation	—	1	—	1	—	
82b.Neuritis	—	4	1	4	—	
82c.Neurasthenia	—	1	—	1	—	
85b.Conjunctivitis	1	—	—	1	—	
85e.Other affections of the Eye ...	—	3	—	3	—	
86. Mastoid	—	4	—	4	—	
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.						
90a.Valvular Disease of the Heart	—	3	1	3	—	
90b.Myocarditis	—	1	1	1	—	
93. Haemorrhoids	—	6	—	6	—	
95. Haemorrhage of undetermined cause	—	1	—	1	—	
96. Haemoptysis	—	1	—	1	—	
Carried forward ...	9	168	12	177	6	

TABLE VI—*continued.*RETURN OF DISEASES AND DEATHS (EUROPEAN IN-PATIENTS)
FOR THE YEAR 1928.LIVINGSTONE HOSPITAL—*continued.*

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	9	168	12	177	6	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
98. Laryngitis	—	1	—	1	—	
99. Bronchitis	—	5	—	5	—	
101 <i>b</i> . Pneumonia (unclassified) ...	—	5	2	5	—	
102. Pleurisy	—	1	—	1	—	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
108 <i>a</i> . Dental Caries	—	7	—	7	1	
108 <i>b</i> . Stomatitis	—	1	—	1	—	
109. Tonsillitis	—	3	—	3	—	
111 <i>a</i> . Ulcer of the Stomach	—	1	—	1	—	
112. Gastritis	—	2	—	2	—	
114. Diarrhoea	—	6	—	6	—	
114. Colitis	—	2	—	2	—	
117. Appendicitis	—	19	1	19	—	
118. Hernia	—	1	—	1	—	
119 <i>b</i> . Constipation	—	1	—	1	1	
112. Cirrhosis of the liver	—	1	—	1	—	
124. Abscess of the liver	—	2	—	2	—	
124. Hepatitis	—	2	—	2	—	
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON- VENEREAL).						
128. Acute Nephritis	—	1	—	1	—	
130 <i>b</i> . Schistosomiasis	—	2	—	2	—	
132. Urinary Calculus	—	2	—	2	—	
133. Cystitis	—	1	—	1	—	
134. Uretural Stricture	—	1	—	1	—	
139. Uterine Tumours (Non-malignant)	—	4	—	4	—	
140. Uterine Haemorrhage (Non-puerperal)	—	1	—	1	—	
141 <i>a</i> . Metritis	—	9	—	9	—	
141 <i>b</i> . Displacement of Uterus	—	1	—	1	—	
141 <i>b</i> . Amenorrhoea	—	1	—	1	—	
141 <i>b</i> . Other affections of female Genital Organs	—	1	—	1	—	
Carried forward ...	9	252	15	261	8	

TABLE VI—continued.

RETURN OF DISEASES AND DEATHS (EUROPEAN IN-PATIENTS)
FOR THE YEAR 1928.

LIVINGSTONE HOSPITAL—continued.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	9	252	15	261	8	
VIII. PUERPERAL STATE.						
143a. Normal Labour ...	1	24	—	25	—	
143v. Abortion ...	1	8	—	9	—	
143bc. Other accidents of Pregnancy	—	4	—	4	—	
145. Other accidents of Parturition	—	3	—	3	—	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
152. Carbuncles ...	—	2	—	2	—	
153. Cellulitis ...	—	11	—	11	—	
X. DISEASES OF BONES AND ORGANS OF LOCOMOTION (OTHER THAN TUBERCULOSIS).						
158. Diseases of Organs of Locomotion ...	—	1	—	1	—	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
176. Insect Bites ...	—	1	—	1	—	
179. Burns (other than by fire) ...	—	2	—	2	—	
185. Wounds (by fall) ...	—	4	—	4	—	
188. Wounds (Crushing, <i>e.g.</i> , Motor Accidents, etc.) ...	—	1	—	1	—	
201a. Dislocation ...	—	1	—	1	—	
201b. Sprain ...	—	3	—	3	—	
201c. Fracture ...	—	9	—	9	—	
202. Other External Injuries ...	—	8	—	8	1	
XV. ILL-DEFINED DISEASES.						
205. Diseases not already specified	—	1	—	1	—	
Totals ...	11	335	15	346	9	

TABLE VI—*continued.*RETURN OF DISEASES AND DEATHS (EUROPEAN IN-PATIENTS)
FOR THE YEAR 1928.

BROKEN HILL HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND INFEC- TIOUS DISEASES.						
1a. Typhoid Fever	—	2	—	2	—	
3. Relapsing Fever	—	2	—	2	—	
5c. Malaria	7	106	—	113	5	
5e. Blackwater	—	9	1	9	—	
11. Influenza	—	16	—	16	—	
16b. Bacillary Dysentery	—	1	—	1	—	
16c. Dysentery (undefined)	—	3	1	3	1	
21. Erysipelas	—	1	1	1	—	
25h. Trypanosomiasis	—	2	—	2	—	
31. Tuberculosis	—	4	1	4	—	
38e. Syphilis (period not indicated)	—	3	—	3	—	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
60a. Exophthalmic Goitre... ..	—	1	—	1	—	
67. Chronic Lead Poisoning	—	2	—	2	—	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
74a. Apoplexy	—	3	3	3	—	
77. Other forms of Mental Aliena- tion	—	3	—	3	—	
82c. Neurasthenia	—	2	—	2	—	
85a. Diseases of the Eye	—	3	—	3	—	
85c. Trachoma	—	1	—	1	—	
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.						
87. Pericarditis	—	1	—	1	—	
90a. Other Disease of the Heart	—	2	—	2	—	
93. Haemorrhoids... ..	—	1	—	1	—	
96. Other affections of the Circu- latory System	—	1	—	1	—	
Carried forward	7	169	7	176	6	

TABLE VI—*continued.*RETURN OF DISEASES AND DEATHS (EUROPEAN IN-PATIENTS)
FOR THE YEAR 1928.BROKEN HILL HOSPITAL—*continued.*

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	7	169	7	176	6	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
98. Laryngitis ...	—	7	—	7	—	
99a. Acute Bronchitis ...	—	8	—	8	—	
101b. Pneumonia (unclassified) ...	—	1	—	1	—	
102. Pleurisy ...	—	8	—	8	—	
105. Asthma ...	—	1	—	1	—	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
108. Dental Caries ...	—	61	1	61	—	
109. Tonsillitis ...	—	16	—	16	—	
111a. Ulcer of the Stomach ...	—	3	—	3	—	
112. Gastritis ...	—	13	—	13	—	
114. Diarrhoea and Enteritis ...	—	9	—	9	—	
117. Appendicitis ...	—	11	—	11	—	
123. Biliary Calculus ...	—	1	—	1	—	
124. Hepatitis ...	—	1	—	1	—	
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).						
129. Chronic Nephritis ...	—	1	—	1	—	
131. Pyelitis ...	—	1	—	1	—	
132. Urinary Calculus ...	—	1	—	1	—	
133. Cystitis ...	—	2	—	2	—	
136. Epididymitis ...	—	3	—	3	—	
137. Tumours of the Ovaries ...	—	1	—	1	—	
141a. Metritis ...	—	3	—	3	—	
141b. Other affections of the female Genital Organs ...	—	2	—	2	1	
VIII. PUERPERAL STATE.						
143a. Normal Labour ...	2	29	—	31	2	
143bb. Abortion ...	—	8	—	8	—	
145. Other accidents of Parturition ...	—	1	—	1	—	
Carried forward ...	9	361	8	370	9	

TABLE VI—*continued.*RETURN OF DISEASES AND DEATHS (EUROPEAN IN-PATIENTS)
FOR THE YEAR 1928.BROKEN HILL—*continued.*

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	9	361	8	370	9	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
152. Carbuncles	—	3	—	3	—	
153. Cellulitis	—	12	—	12	—	
X. DISEASES OF BONES AND ORGANS OF LOCOMOTION (OTHER THAN TUBERCULOSIS).						
157. Arthritis	—	3	—	3	—	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
178. Burns (by fire)	—	4	—	4	—	
189. Injuries inflicted by animals...	—	1	1	1	—	
201c. Fracture	1	21	—	22	—	
202. Other external injuries ...	—	5	—	5	—	
XV. ILL DEFINED DISEASES.						
205. Diseases not already specified	—	2	—	2	—	
Totals	10	412	9	422	9	

TABLE VI—*continued.*RETURN OF DISEASES AND DEATHS (EUROPEAN IN-PATIENTS)
FOR THE YEAR 1928.

LUSAKA HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND IN- FECTIOUS DISEASES.						
1a. Typhoid Fever	—	2	—	2	—	
5c. Malaria	—	74	—	74	1	
5e. Blackwater	—	1	1	1	—	
11. Influenza	—	6	—	6	1	
16a. Amoebic Dysentery	—	2	—	2	—	
16b. Bacillary Dysentery	—	1	—	1	—	
25h. Trypanosomiasis	—	2	—	2	—	
31. Tuberculosis	—	1	—	1	—	
35. Tuberculosis of Joints	—	1	—	2	—	
36a. Lupus	—	2	—	2	—	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
43. Cancer—Buccal	—	1	1	1	—	
44. Cancer—Stomach	—	1	1	1	—	
45. Cancer—not specified	—	2	1	2	—	
52. Rheumatism	—	1	—	1	—	
69. Purpura Hæmorrhagica	—	1	1	1	—	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
82b. Neuritis	—	2	—	2	—	
85b. Conjunctivitis	—	4	—	4	—	
86. Mastoid	—	2	—	2	—	
IV. AFFECTIONS OF THE CIRCULA- TORY SYSTEM.						
90b. Myocarditis	—	2	—	2	—	
93. Haemorrhoids	—	2	—	2	—	
95. Haemorrhage of undetermined cause	—	1	—	1	—	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
99. Bronchitis	—	3	—	3	—	
100. Broncho Pneumonia	—	1	—	1	—	
101a. Lobar Pneumonia	—	2	—	2	—	
102. Pleurisy	—	7	—	7	—	
105. Asthma	—	2	—	2	—	
Carried forward	—	127	5	127	2	

TABLE VI—*continued.*RETURN OF DISEASES AND DEATHS (EUROPEAN IN-PATIENTS)
FOR THE YEAR 1928.LUSAKA HOSPITAL—*continued.*

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	—	127	5	127	2	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
108a. Dental Caries ...	—	1	—	1	—	
109. Tonsillitis ...	—	5	—	5	—	
114. Colitis... ..	—	9	—	9	—	
117. Appendicitis ...	1	12	—	12	—	
118. Hernia	—	1	—	1	—	
122. Cirrhosis of the Liver ...	—	3	—	3	—	
124. Jaundice	—	2	—	2	—	
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).						
128. Acute Nephritis ...	—	1	—	1	—	
132. Urinary Calculus ...	—	1	—	1	—	
136. Epididymitis ...	—	2	—	2	—	
139. Uterine Tumour (Non-Malignant)... ..	—	1	—	1	1	
140. Uterine Haemorrhage (Non-Puerperal) ...	—	2	—	2	—	
141a. Metritis	—	1	—	1	—	
141b. Dysmenorrhœa ...	—	1	—	1	—	
141b. Leucorrhœa	—	1	—	1	—	
VIII. PUERPERAL STATE.						
143a. Normal Labour ...	—	23	—	23	1	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
152. Carbuncles	—	1	—	1	—	
153. Abscess	1	11	—	11	1	
X. DISEASES OF BONES AND ORGANS OF LOCOMOTION (OTHER THAN TUBERCULOSIS).						
156. Osteitis	—	1	—	1	—	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
178. Burns (by fire) ...	—	1	—	1	—	
185. Wounds (by fall) ...	—	2	—	2	—	
188. Wounds (Crashing, etc.) ...	—	5	1	5	—	
189. Injuries inflicted by animals	—	1	—	1	—	
201c. Fracture	—	3	—	3	—	
XV. ILL-DEFINED DISEASES.						
205a. Diseases not already specified	—	2	—	2	—	
Totals	2	220	6	220	5	

TABLE VI—continued.

RETURN OF DISEASES AND DEATHS (EUROPEAN IN-PATIENTS)
FOR THE YEAR 1928.

FORT JAMESON HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND INFEC- TIOUS DISEASES.						
5c. Malaria... ..	—	17	—	17	—	
5e. Blackwater	—	1	—	1	—	
6. Smallpox	—	1	—	1	—	
16b. Bacillary Dysentery	—	1	—	1	—	
31. Tuberculosis	—	2	—	2	—	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
82c. Neurasthenia	—	2	—	2	—	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
99a. Acute Bronchitis	—	1	—	1	—	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
108b. Stomatitis	—	1	—	1	—	
109. Tonsillitis	—	2	—	2	—	
109. Pharyngitis	—	1	—	1	—	
110. Ulceration of Oesophagus	—	1	—	1	—	
112. Gastritis	—	1	—	1	—	
114. Diarrhoea and Enteritis	—	1	—	1	—	
117. Appendicitis	—	1	—	1	—	
122. Cirrhosis of the Liver	—	1	1	1	—	
124. Jaundice	—	1	—	1	—	
VII. DISEASES OF THE GENITO- URINARY SYSTEM (NON- VENEREAL).						
132. Urinary Calculus	—	1	—	1	—	
VIII. PUERPERAL STATE.						
143a. Normal Labour	—	7	—	7	—	
143bb. Ectopic Gestation	—	1	—	1	—	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
153. Abscess	—	5	—	5	—	
XIV. ACCIDENTS PRODUCED BY EXTERNAL CAUSES.						
179. Burns (other than by fire)	—	1	—	1	—	
Totals	—	50	1	50	—	

TABLE VI—continued.

RETURN OF DISEASES AND DEATHS (EUROPEAN IN-PATIENTS)
FOR THE YEAR 1928.

KASAMA HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND INFEC- TIOUS DISEASES.						
3. Relapsing Fever	—	1	—	1	—	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
82c. Neurasthenia	—	1	—	1	—	
VII. DISEASES OF THE GENITO- URINARY SYSTEM (NON- VENEREAL).						
136. Orchitis	—	1	—	1	—	
VIII. PUERPERAL STATE.						
143a. Normal Labour	—	4	—	4	—	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
201a. Dislocation	—	1	—	1	—	
201c. Fracture	—	2	—	2	—	
Totals	—	10	—	10	—	

TABLE VI—*continued.*RETURN OF DISEASES AND DEATHS (EUROPEAN IN-PATIENTS)
FOR THE YEAR 1928.

MONGU HOSPITAL.

Diseases	R. 1927.	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.						
16 <i>b</i> . Bacillary Dysentery ...	—	1	—	1	—	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
109. Tonsillitis ...	—	1	—	1	—	
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).						
141 <i>b</i> . Displacement of Uterus ...	—	1	—	1	—	
VIII. PUERPERAL STATE.						
143 <i>a</i> . Normal Labour ...	—	2	—	2	—	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
202. Other External Injuries ...	—	1	—	1	—	
Totals ...	—	6	—	6	—	

TABLE VIA—continued.

RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS) FOR
THE YEAR 1928.

LIVINGSTONE HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND INFEC- TIOUS DISEASES.						
1a. Typhoid Fever	1	3	1	4	—	
3. Relapsing Fever	—	2	—	2	—	
5. Malaria (Coma)	—	1	1	1	—	
5c. Aestivo Autumnal	4	38	3	42	—	
6. Smallpox	5	60	4	65	—	
11. Influenza	6	333	50	339	1	
13. Mumps	—	1	—	1	—	
16c. Undefined or due to other causes	—	37	12	37	—	
20. Leprosy	1	10	—	11	5	
24. Epidemic Cerebro-Spinal Fever	—	29	24	29	—	
25b. Varicella (Chickenpox) ...	5	37	—	42	1	
25g. Yaws	—	7	—	7	—	
31. Tuberculosis, Pulmonary ...	—	6	3	6	—	
36c. Lymphatic System	—	1	—	1	—	
38c. Syphilis—Period not indicated	4	54	1	58	9	
39. Soft Chancre	—	1	—	1	—	
40a. Gonorrhœa and its complica- tions	3	53	2	56	—	
41. Septicæmia	—	4	4	4	3	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
49. Cancer or other Malignant Tumours of Organs	—	1	1	1	—	
50. Tumours—Non-Malignant ...	—	2	—	2	—	
52. Chronic Rheumatism	1	15	1	16	—	
53. Scurvy	9	41	6	50	5	
64. Diseases of the Spleen	—	3	—	3	—	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
70. Encephalitis	—	1	1	1	—	
75a. Hemiplegia	—	1	—	1	—	
77. Other forms of Mental Aliena- tion	1	4	1	5	—	
78. Epilepsy	—	4	—	4	—	
85a. Diseases of the Eye	—	1	—	1	—	
85b. Conjunctivitis	2	12	—	14	—	
85c. Trachoma	1	1	—	2	—	
85e. Other affections of the Eye...	1	11	2	12	2	
86. Affections of the Ear or Mastoid Sinus	—	3	—	3	—	
Carried forward	44	777	117	821	26	

TABLE VI_A—continued.RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS) FOR
THE YEAR 1928.

LIVINGSTONE HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	44	777	117	821	26	
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.						
87. Pericarditis	—	1	1	1	—	
95. Hæmorrhoids	—	1	—	1	—	
96. Other affections of the Circulatory System	—	4	—	4	—	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
98. Laryngitis	—	1	—	1	—	
99b. Bronchitis—Chronic... ..	—	6	3	6	—	
100. Broncho-Pneumonia	—	9	3	9	—	
101b. Pneumonia—Unclassified	—	56	30	56	5	
102. Pleurisy, Empyema	—	1	—	1	—	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
108a. Diseases of the Teeth or Gums	—	1	—	1	—	
108b. Other affections of the Mouth	—	2	—	2	—	
109. Tonsillitis	—	1	—	1	—	
112. Dyspepsia	—	1	—	1	—	
114. Diarrhoea and Enteritis—two years and over	—	18	3	18	1	
115. Ankylostomiasis	1	27	3	28	1	
118. Hernia	—	5	2	5	1	
119b. Other affections of the Intestines	—	1	—	1	—	
119b. Constipation	1	5	—	6	—	
126. Peritonitis (of unknown cause)	—	1	—	1	—	
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VEREAL).						
128. Acute Nephritis	—	1	1	1	—	
129. Chronic Nephritis	—	1	—	1	—	
130b. Schistosomiasis	—	6	2	6	—	
131. Other affections of the Kidneys	—	1	—	1	—	
133. Diseases of the Bladder—Cystitis	—	3	—	1	—	
136. Epididymitis	—	2	—	2	—	
136. Orchitis	—	2	—	2	—	
136. Hydrocele	—	1	—	1	—	
141b. Other affections of the Female Genital Organs	—	1	1	1	—	
Carried forward ...	46	936	171	982	34	

TABLE VI_A—*continued*.

RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS FOR THE YEAR 1928.

LIVINGSTONE HOSPITAL—*continued*.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	46	936	171	982	34	
VIII. PUERPERAL STATE.						
143a. Normal Labour ...	—	9	—	9	—	
143b. Abortion ...	—	7	2	7	—	
143b. Ectopic Gestation ...	—	1	—	1	—	
145. Other accidents of Parturition	—	4	—	4	—	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
151. Gangerine ...	—	1	1	1	—	
152. Boil—Carbuncle ...	1	1	—	2	—	
153. Abscess, Ulcers, etc....	40	245	7	285	23	
154a. Tinea ...	—	1	—	1	—	
154b. Scabies ...	—	15	—	15	—	
155. Other Diseases of the Skin...	—	1	—	1	—	
155. Psoriasis ...	—	2	—	2	—	
155. Elephantiasis ...	—	1	—	1	—	
X. DISEASES OF BONES AND ORGANS OF LOCOMOTION (OTHER THAN TUBERCULOSIS).						
157. Synovitis ...	—	3	—	3	—	
XII. DISEASES OF INFANCY.						
162. Other affections of Infancy...	—	3	1	3	—	
XIII. AFFECTIONS OF OLD AGE.						
164. Senility—Senile Dementia ...	—	1	1	1	—	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
176. Snake Bite ...	—	3	—	3	—	
178. Burns (by fire) ...	—	20	—	20	2	
189. Injuries inflicted by animals	—	2	—	2	—	
201c. Fracture ...	—	11	—	11	4	
202. Other External Injuries ...	7	93	—	100	13	
XV. ILL-DEFINED DISEASES.						
204. Sudden Death (cause unknown) ...	—	5	5	5	—	
205a. Diseases not already specified	—	21	2	21	—	
Totals ...	94	1,386	188	1,480	76	

TABLE VI_A—*continued*.RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS) FOR
THE YEAR 1928.

LUSAKA HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND INFEC- TIOUS DISEASES.						
5c.Malaria	2	31	—	33	—	
6. Small Pox	—	11	1	11	2	
11. Influenza	—	6	6	6	—	
16a.Dysentery—Amœbic	—	3	—	3	—	
16b.Dysentery—Bacillary	—	2	2	2	—	
20. Leprosy	1	11	—	12	—	
24. Epidemic — Cerebro Spinal Fever	—	1	1	1	—	
25g.Yaws	—	23	—	23	1	
33. Tuberculosis of Intestines	—	1	1	1	—	
38a.Syphilis—Primary	1	37	1	38	2	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
101. Pneumonia—Lobar	4	19	5	23	1	
113. Diarrhœa and Enteritis under two years	—	1	1	1	—	
124. Cholecystitis	—	1	1	1	—	
VII. DISEASES OF THE GENITO- URINARY SYSTEM (NON- VENEREAL).						
130b.Schistosomiasis	—	1	1	1	—	
16. Diseases, the total of which have not caused 10 deaths	25	353	4	378	9	
Totals	33	501	24	534	15	

TABLE VI_A—continued.RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS) FOR
THE YEAR 1928.

BROKEN HILL HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND INFEC- TIOUS DISEASES.						
1a. Typhoid	—	4	4	4	—	
5e. Blackwater	—	1	—	1	—	
6. Small Pox	13	55	4	68	—	
11. Influenza	39	781	12	820	37	
16c. Dysentery—Undefined ...	1	12	7	13	3	
20. Leprosy	1	9	—	10	—	
24. Epidemic—Cerebro Spinal Fever	—	3	3	3	—	
25b. Chickenpox	—	16	—	16	—	
25g. Yaws	1	7	—	8	—	
25h. Trypanosomiasis	—	1	—	1	—	
29. Tetanus	—	1	1	1	—	
31. Tuberculosis — Pulmonary and Laryngeal	—	9	9	9	—	
38e. Syphilis—Period not indicated	4	54	2	58	6	
40a. Gonorrhœa and its complica- tions	—	4	—	4	—	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
44. Cancer or other Malignant Tumours	—	4	4	4	—	
52. Chronic Rheumatism	—	1	—	1	1	
53. Scurvy	—	1	1	1	—	
54. Pellagra	—	5	1	5	—	
64. Diseases of the Spleen ...	2	7	6	9	3	
67. Chronic Poisoning by Mineral substances	—	21	—	21	—	
67. Filariasis	—	3	1	3	—	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
74c. Thrombosis	—	4	3	4	—	
75b. Other Paralysis	—	1	—	1	—	
77. Other forms of Mental Aliena- tion	—	4	—	4	—	
78. Epilepsy	—	1	1	1	—	
85b. Conjunctivitis	1	28	—	29	—	
Carried forward ...	62	1037	50	1099	50	

TABLE VI_A—*continued*.RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS) FOR
THE YEAR 1928.BROKEN HILL HOSPITAL—*continued*.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward	62	1037	50	1099	50	
IV. AFFECTIONS OF THE CIRCULA- TORY SYSTEM.						
90a.Valvular Disease of Heart...	—	1	1	1	—	
93. Phlebitis	—	6	—	6	—	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
99b.Chronic Bronchitis	—	3	—	3	—	
101b.Pneumonia—Unclassified ...	—	56	40	56	7	
102. Pleurisy, Empyema	—	1	1	1	—	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
108a.Diseases of Teeth and Gums	—	1	—	1	—	
109. Tonsillitis	—	1	—	1	—	
114. Diarrhoea and Enteritis, two years and over	—	10	1	10	—	
VII. DISEASES OF THE GENITO- URINARY SYSTEM (NON- VENEREAL).						
130b.Schistosomiasis	1	1	—	2	—	
133. Diseases of the Bladder, Cystitis	—	1	1	1	—	
VIII. PUERPERAL STATE.						
143a.Normal Labour	—	3	—	3	—	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
153. Abscess, Tropical Ulcer, etc.	18	145	2	163	19	
154b.Scabies	—	16	—	16	—	
155. Myasis	—	1	1	1	—	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
176. Snake Bite	1	5	—	6	—	
202. Other External Injuries ...	24	324	5	348	22	
XV. ILL-DEFINED DISEASES.						
205a.Diseases not already specified	1	10	4	11	—	
Totals	107	1622	115	1729	98	

TABLE VI_A—continued.RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS) FOR
THE YEAR 1928.

MONGU HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND INFEC- TIOUS DISEASES.						
3. Relapsing Fever	—	2	—	2	—	
5c. Malaria	1	193	—	194	4	
5e. Blackwater	—	1	—	1	—	
6. Alastrim	1	3	—	4	—	
11. Influenza	—	45	1	45	—	
16b. Dysentery, Bacillary ...	—	13	—	13	—	
14. Epidemic Cerebro-Spinal Fever	—	6	4	6	—	
35. Tuberculosis of Bones and Joints	—	1	—	1	—	
38b. Syphilis—Secondary ...	3	27	—	30	3	
40a. Gonorrhœa and its complica- tions	—	5	—	5	—	
42. Other Infectious Diseases ...	—	1	1	1	—	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
50. Tumours—Non-Malignant ...	—	1	—	1	—	
51. Acute Rheumatism	—	6	—	6	2	
52. Chronic Rheumatism	—	27	—	27	1	
64. Diseases of the Spleen	—	1	—	1	—	
69. Other General Diseases	—	1	—	1	—	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
77. Other forms of mental aliena- tion	—	4	—	4	—	
78. Epilepsy	—	2	—	2	1	
82b. Neuritis	—	2	—	2	—	
85b. Conjunctivitis	—	8	—	8	2	
85e. Other Affections of the Eye ...	—	3	—	3	—	
86. Affections of the Ear or Mastoid Sinus	—	3	—	3	—	
Carried forward	5	355	6	360	13	

TABLE VIA—continued.

RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS) FOR
THE YEAR 1928.

MONGU HOSPITAL—continued.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	5	355	6	360	13	
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.						
90a. Other Diseases of the Heart						
—Mitral	—	4	2	4	—	
90a. Other Diseases of the Heart						
—Aortic	—	1	—	1	—	
90b. Myocarditis	—	2	2	2	—	
94. Lymphangitis	—	3	—	3	—	
94. Lymphadenitis—Bubo ...	—	4	—	4	—	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
99a. Bronchitis—Acute	—	5	—	5	—	
100. Broncho Pneumonia	—	12	—	12	—	
101a. Lobar Pneumonia	—	8	—	8	—	
102. Pleurisy, Empyema	—	2	—	2	—	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
108b. Other affections of the Mouth						
—Stomatitis	—	1	—	1	—	
114. Diarrhoea and Enteritis—two years and over	—	12	—	12	—	
114. Colitis... ..	—	1	1	1	—	
115. Ankylostomiasis	—	2	—	2	—	
116a. Cestoda (Taenia)	—	4	—	4	—	
119b. Other affections of the intestines—Enteroptosis	1	4	1	5	—	
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).						
128. Acute Nephritis	—	3	1	3	—	
133. Diseases of the Bladder—Cystitis	—	2	—	2	—	
135. Prostate Hypertrophy	—	1	—	1	—	
136. Epididymitis	—	2	—	2	—	
136. Orchitis	—	2	—	2	—	
141a. Metritis	—	2	—	2	—	
Carried forward ...	6	432	13	438	13	

TABLE VIa—continued.

RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS) FOR
THE YEAR 1928.

MONGU HOSPITAL—continued.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	6	432	13	438	13	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
151. Gangrene ...	—	1	—	1	1	
153. Abscess, Tropical Ulcer, etc.	3	68	—	71	3	
154a. Tinea ...	—	1	—	1	—	
155. Other diseases of the Skin ...	—	2	—	2	—	
155. Urticaria ...	—	3	—	3	—	
155. Eczema ...	—	1	—	1	—	
X. DISEASES OF BONES AND ORGANS OF LOCOMOTION (OTHER THAN TUBERCULOSIS).						
157. Arthritis ...	—	3	—	3	—	
157. Synovitis ...	—	5	—	5	—	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
176. Snake Bite ...	—	2	—	2	—	
178. Burns by fire ...	1	5	—	6	1	
184. Wounds (by cutting or stab- bing instruments) ...	—	2	—	2	—	
185. Wounds (by fall) ...	—	1	—	1	—	
189. Injuries inflicted by animals	—	4	—	4	—	
201a. Dislocation ...	—	2	—	2	—	
201b. Sprain ...	—	8	—	8	—	
201c. Fracture ...	—	4	—	4	1	
202. Other External Injuries ...	1	6	—	7	—	
XV. ILL-DEFINED DISEASES.						
205a. Diseases not already specified	5	3	—	8	—	
205a. Asthenia ...	—	1	1	1	—	
205b. Malingering ...	—	3	—	3	—	
Totals ...	16	557	14	573	19	

TABLE VIA—continued.

RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.

KASAMA HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND INFEC- TIOUS DISEASES.						
5c.Malaria... ..	—	22	—	22	—	
6. Smallpox	—	31	3	31	—	
11. Influenza	2	14	3	16	—	
20. Leprosy	3	8	—	11	1	
25b.Chickenpox	12	87	—	99	—	
25g.Yaws	2	5	—	7	—	
25h.Trypanosomiasis	—	1	—	1	—	
38b.Syphilis, Secondary	2	21	—	23	1	
38d.Syphilis, Hereditary	—	2	—	2	—	
40a.Gonorrhoea and its complica- cations	—	1	—	1	—	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
52. Chronic Rheumatism... ..	—	14	—	14	1	
58. Anaemia	—	21	—	21	1	
69. Other General Diseases	1	2	—	3	2	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
75. Paralysis	—	2	—	2	1	
77. Other forms of Mental Aliena- tion	—	2	—	2	1	
78. Epilepsy	1	3	—	4	—	
85b.Conjunctivitis... ..	—	8	—	8	—	
86. Affections of the ear or mas- toid sinus	—	1	—	1	—	
IV. AFFECTIONS OF THE CIRCULA- TORY SYSTEM.						
94. Lymphangitis... ..	—	1	—	1	—	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
99. Bronchitis	—	3	—	3	—	
101. Pneumonia	—	4	1	4	—	
102. Pleurisy	—	1	—	1	—	
105. Asthma	—	1	—	1	—	
Carried forward ...	23	255	7	278	8	

TABLE VIa—continued.

RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.

KASAMA HOSPITAL—continued.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	23	255	7	278	8	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
109. Tonsillitis	—	1	—	1	—	
113. Diarrhoea and Enteritis, under two years	—	5	—	5	—	
114. Colitis... ..	—	4	—	4	—	
118. Hernia	—	1	—	1	—	
119 <i>b</i> . Other affections of the in- testines	—	1	1	1	—	
119 <i>b</i> . Constipation	—	7	—	7	—	
VII. DISEASES OF THE GENITO- URINARY SYSTEM (NON-VENE- REAL).						
133. Cystitis	—	2	—	2	—	
141 <i>a</i> . Metritis	—	1	—	1	—	
142. Mastitis	—	1	—	1	—	
VIII. PUERPERAL STATE.						
143 <i>a</i> . Normal Labour	—	1	—	1	—	
144. Puerperal Haemorrhage ...	—	1	—	1	—	
145. Other accidents of Parturition	—	2	1	2	—	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
153. Abscesses	—	7	—	7	—	
153. Tropical Ulcers	3	9	—	12	—	
154 <i>b</i> . Scabies	—	1	—	1	—	
155. Other Diseases of the skin ...	—	1	—	1	—	
155. Eczema	2	2	—	4	1	
155. Elephantiasis	—	4	—	4	—	
X. DISEASES OF THE BONES AND ORGANS OF LOCOMOTION. (Other than Tuberculosis.)						
156. Osteitis	1	1	—	2	2	
157. Synovitis	—	2	—	2	—	
Carried forward ...	29	309	9	338	11	

TABLE VI_A—*continued*.RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.KASAMA HOSPITAL—*continued*.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	29	309	9	338	11	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
175. Food poisoning, botulism ...	—	1	1	1	1	
176. Snake Bite ...	1	5	—	6	—	
178. Burns (by fire) ...	—	4	—	4	—	
184. Wounds (by cutting or stab- bing instruments)... ...	—	1	—	1	—	
185. Wounds (by fall) ...	1	3	—	4	—	
189. Dog and Lion Bites... ...	2	—	—	2	—	
201a. Dislocation ...	—	1	—	1	—	
201c. Fracture ...	—	3	—	3	—	
202. Other external injuries ...	—	3	—	3	—	
XV. ILL-DEFINED DISEASES.						
205a. Asthenia ...	—	11	—	11	—	
Totals ...	33	341	10	374	12	

TABLE VI_A—continued.RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.

FORT ROSEBERY HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND IN- FECTIOUS DISEASES.						
5c. Malaria	—	30	—	30	—	
6. Smallpox	—	6	—	6	—	
7. Measles	—	1	—	1	—	
11. Influenza	—	6	—	6	—	
16c. Dysentery (undefined) ...	—	6	—	6	—	
20. Leprosy	—	7	—	7	1	
25g. Yaws	7	85	1	92	4	
38e. Syphilis, period not indicated	—	46	—	46	1	
40a. Gonorrhoea and its complica- tions	—	3	—	3	—	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
49. Cancer or other malignant tumours	—	1	—	1	—	
52. Chronic Rheumatism... ..	—	4	—	4	—	
53. Scurvy	—	1	—	1	—	
60a. Exophthalmic Goitre... ..	—	1	—	1	—	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
71. Meningitis	—	1	—	1	—	
75b. Other Paralysis	—	1	—	1	—	
78. Epilepsy	—	1	—	1	—	
82b. Neuritis	—	1	—	1	—	
85a. Diseases of the Eye	—	1	—	1	—	
85b. Conjunctivitis	—	6	—	6	—	
85c. Trachoma	—	4	—	4	—	
IV. AFFECTIONS OF THE CIRCULA- TORY SYSTEM.						
90a. Valvular Disease, Mitral ...	—	2	1	2	—	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
98. Laryngitis	—	1	—	1	—	
99. Bronchitis	—	4	—	4	—	
101b. Pneumonia (unclassified) ...	—	3	—	3	—	
102. Pleurisy, Empyema	—	2	—	2	—	
Carried forward ...	7	224	2	231	6	

TABLE VIa—continued.

RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.

FORT ROSEBERY HOSPITAL—continued.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	7	224	2	231	6	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
112. Gastritis	—	1	—	1	—	
114. Diarrhoea and enteritis, 2 years and over	—	2	—	2	—	
116a.Cestoda (Taenia)	—	1	—	1	—	
VIII. PUERPERAL STATE.						
145. Other accidents of Parturition... ..	—	1	—	1	—	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
153. Abscess, Tropical Ulcer ...	6	41	1	47	4	
154. Scabies	—	8	—	8	—	
155. Diseases of the Skin ...	—	16	—	16	—	
155. Eczema	—	1	—	1	—	
X. DISEASE OF THE BONES AND ORGANS OF LOCOMOTION (OTHER THAN TUBERCULOSIS).						
157. Synovitis	—	1	—	1	—	
158. Other Diseases of Bones or Organs of Locomotion ...	—	1	—	1	—	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
176. Snake Bite	—	1	—	1	—	
178. Burns, by Fire	—	12	—	12	2	
189. Injuries inflicted by animals	—	1	1	1	—	
201a.Dislocation	—	1	—	1	—	
202. Other External Injuries ...	—	8	—	8	—	
XV. ILL-DEFINED DISEASES.						
205a.Diseases not already specified	—	18	—	18	—	
Totals	13	338	4	351	12	

TABLE VIA—continued.

RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS
FOR THE YEAR 1928.

CHOMA HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND IN- FECTIONOUS DISEASES.						
5c. Malaria	—	1	—	1	—	
6. Smallpox	1	15	1	16	—	
16c. Dysentery (undefined) ...	—	2	1	2	—	
25g. Yaws	—	512	1	512	24	
38b. Syphilis, Secondary ...	—	1	—	1	—	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
85b. Conjunctivitis	—	2	2	2	—	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
100. Broncho Pneumonia ...	—	1	—	1	—	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
108a. Diseases of Teeth and Gums, Caries	—	1	—	1	—	
VII. DISEASES OF THE GENITO- URINARY SYSTEM (NON-VEN- EREAL).						
130. Schistosomiasis	—	1	—	1	—	
136. Hydrocele	—	1	—	1	—	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
153. Abscess, Tropical Ulcer ...	2	7	—	7	—	
155. Elephantiasis	—	1	—	1	—	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
184. Wounds (by cutting or stab- bing instruments)... ..	—	1	—	1	—	
201c. Fracture	—	2	—	2	—	
Totals	1	548	5	549	26	

TABLE VIA—continued.

RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.

ABERCORN HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND IN- FECTIOUS DISEASES.						
3. Relapsing Fever	—	6	—	6	—	
5c. Malaria	—	10	—	10	1	
6. Smallpox	—	5	—	5	—	
11. Influenza	—	4	—	4	—	
25b. Chickenpox	—	2	—	2	—	
25g. Yaws	—	2	—	2	—	
38e. Syphilis, period not indicated	1	6	—	7	—	
40a. Gonorrhoea and its complica- tions	—	1	—	1	—	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
50. Tumours, non-malignant ...	—	2	—	2	—	
52. Chronic Rheumatism ...	—	3	—	3	—	
58b. Other Anaemias and Chlorosis	—	1	—	1	—	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
75. Paralysis	1	2	—	3	—	
77. Other forms of mental aliena- tion	—	2	—	2	—	
78. Epilepsy	—	3	—	3	—	
82b. Neuritis	—	3	—	3	—	
85b. Conjunctivitis	—	6	—	6	—	
85c. Other affections of the eye ...	—	1	—	1	—	
86. Affections of the ear or mastoid sinus	—	1	—	1	—	
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.						
90. Valvular disease, mitral ...	—	3	1	3	—	
95. Haemorrhage of undeter- mined cause	—	1	—	1	—	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
99a. Bronchitis, acute	—	5	—	5	2	
101a. Pneumonia, Lobar	—	3	1	3	—	
Carried forward ...	2	72	2	74	3	

TABLE VIA—continued.

RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.

ABERCORN HOSPITAL—continued.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	2	72	2	74	3	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
112. Affections of the Stomach ...	—	1	—	1	—	
114. Diarrhoea and Enteritis, 2 years and over ...	—	1	—	1	—	
116c. Ascaris ...	—	1	—	1	—	
126. Peritonitis ...	—	1	1	1	—	
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).						
135. Hypertrophy ...	—	1	—	1	—	
142. Mastitis ...	—	1	—	1	1	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
153. Abscess and Tropical Ulcers.	—	6	1	6	—	
X. DISEASES OF THE BONES AND ORGANS OF LOCOMOTION (OTHER THAN TUBERCULOSIS).						
156. Osteitis ...	—	3	—	3	1	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
176. Snake Bite ...	—	1	—	1	—	
178. Burns (by fire) ...	1	1	—	2	1	
184. Wounds (by cutting instruments) ...	1	8	—	9	1	
189. Injuries inflicted by animals	—	1	—	1	1	
201c. Fracture ...	—	1	—	1	1	
XV. ILL-DEFINED DISEASES.						
205b. Malingering ...	—	3	—	3	—	
Totals ...	4	102	4	106	9	

TABLE VI_A—continued.RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.

NDOLA HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND IN- FECTIOUS DISEASES.						
5c. Malaria	1	28	—	29	—	
11. Influenza	—	6	1	6	2	
16c. Dysentery (Undefined) ...	—	3	—	3	—	
20. Leprosy	—	1	—	1	—	
25b. Chickenpox	8	8	—	16	1	
25g. Yaws	1	189	—	190	1	
31. Tuberculosis, Pulmonary ...	—	4	4	4	—	
38e. Syphilis, period not indicated	—	43	1	43	1	
40a. Gonorrhoea and its complica- tions	—	4	—	4	—	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
52. Chronic Rheumatism ...	—	7	1	7	—	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
75a. Hemiplegia	—	2	2	2	—	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
101b. Pneumonia (unclassified) ...	—	21	17	21	—	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
153. Abscess, T. Ulcers, etc. ...	3	40	—	43	8	
XIII. AFFECTIONS OF OLD AGE ...						
164. Senility—Senile Dementia ...	—	1	1	1	—	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
202. Other external injuries ...	—	48	—	48	—	
XV. ILL-DEFINED DISEASES.						
205a. Diseases not already specified	1	30	7	31	2	
Totals	14	435	34	449	15	

TABLE VIA—continued.

RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.

MAZABUKA HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND IN- FECTIOUS DISEASES.						
3. Relapsing Fever	5	—	—	5	—	
5c. Malaria	—	9	—	9	—	
6. Smallpox	5	18	—	23	—	
7. Measles	1	—	—	1	—	
11. Influenza	4	57	3	61	1	
16a. Dysentery, Amoebic	—	2	—	2	—	
16b. „ Bacillary	—	5	4	5	1	
20. Leprosy	1	19	—	20	—	
24. Epidemic, Cerebrospinal Fever	—	1	1	—	—	
25b. Chickenpox	1	16	—	17	—	
25g. Yaws	6	128	—	134	—	
31. Tuberculosis, Pulmonary	—	3	1	3	—	
38e. Syphilis, period not indicated	5	66	—	71	—	
41. Septicaemia	—	3	3	3	—	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
53. Scurvy	—	11	1	11	4	
64. Diseases of the Spleen	—	1	—	1	—	
69. Other general diseases	8	154	—	162	5	
IV. AFFECTIONS OF THE CIRCULA- TORY SYSTEM.						
91a. Aneurism	—	1	1	1	—	
94. Lymphadenitis, Bubo	—	1	—	1	—	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
101. Pneumonia, unclassified	1	18	5	19	2	
VII. DISEASES OF THE GENITO- URINARY SYSTEM (NON- VENEREAL).						
129. Chronic Nephritis	—	1	1	1	—	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
153. Abscess, T. Ulcer	13	195	—	208	14	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
202. Other external injuries	12	157	1	169	12	
Totals	62	866	22	928	39	

TABLE VI_A—continued.RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.

SOLWEZI HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND IN- FECTIOUS DISEASES.						
20. Leprosy ... * ...	—	19	1	19	—	
25g. Yaws	38	916	4	954	—	
31. Tuberculosis, Pulmonary ...	—	3	2	3	—	
38e. Syphilis, period not indicated	2	25	—	27	—	
40a. Gonorrhoea and its complica- tions	—	3	—	3	—	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
45. Cancer or other malignant tumours	—	1	—	1	—	
52. Chronic Rheumatism ...	—	3	—	3	—	
60b. Other diseases of Thyroid Gland	—	20	—	20	—	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
85b. Conjunctivitis	—	1	—	1	—	
85c. Trachoma	—	1	—	1	—	
86. Affections of the ear or mastoid sinus	—	2	—	2	—	
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.						
93. Haemorrhoids	—	1	—	1	—	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
101a. Pneumonia, Lobar	—	1	—	1	—	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
109. Pharyngitis	—	1	—	1	—	
112. Gastritis	—	2	—	2	—	
119a. Affections of the Anus, Fistula, etc.	—	1	—	1	—	
Carried forward ...	40	1,000	7	1,040	—	

TABLE VI_A—*continued*.RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.SOLWEZI HOSPITAL—*continued*.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	40	1,000	7	1,040	—	
VII. DISEASES OF THE GENITO- URINARY SYSTEM (NON- VENEREAL).						
130 <i>b</i> . Schistosomiasis ...	—	1	—	1	—	
VIII. PUERPERAL STATE.						
150. Puerperal Affections of the breast ...	—	1	—	1	—	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
153. Abscess and T. Ulcers ...	—	22	—	22	—	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
178. Burns (by fire) ...	—	6	—	6	—	
183. Wounds (by firearms) ...	—	2	1	2	—	
184. Wounds (by cutting or stabbing instruments) ...	—	4	—	4	—	
185. Wounds (by fall) ...	—	1	—	1	—	
189. Injuries inflicted by animals	1	1	—	2	—	
XV. ILL-DEFINED DISEASES.						
205 <i>a</i> . Asthenia ...	—	2	—	2	—	
205 <i>b</i> . Malingering ...	—	1	—	1	—	
Totals ...	41	1,041	8	1,082	—	

TABLE VI_A—continued.RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.

FORT JAMESON HOSPITAL.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
I. EPIDEMIC, ENDEMIC AND IN- FECTIOUS DISEASES.						
3. Relapsing Fiver	—	18	1	18	—	
5c. Malaria	—	23	1	23	—	
6. Smallpox	—	5	—	5	—	
11. Influenza	1	42	7	43	1	
16a. Amoebic Dysentery	—	1	—	1	—	
16c. Dysentery (undefined)	—	8	2	8	—	
20. Leprosy	3	2	—	5	1	
25a. Chickenpox	—	17	—	17	—	
25h. Trypanosomiasis	1	—	—	1	—	
31. Tuberculosis, Pulmonary	1	4	—	5	—	
38a. Syphilis, Primary	1	12	—	13	—	
38b. Syphilis, Secondary	2	16	—	18	—	
38c. Syphilis, Teriary	—	7	1	7	—	
38d. Syphilis, Hereditary	—	3	2	3	—	
40a. Gonorrhoea and its complica- tions	—	5	—	5	1	
II. GENERAL DISEASES NOT MEN- TIONED ABOVE.						
50. Tumours, Non-Malignant	—	2	—	2	—	
54. Pellagra	3	1	—	4	—	
58b. Other Anaemias and Chlorosis	—	1	—	1	—	
60a. Exophthalmic Goitre... ..	—	1	—	1	—	
68. Chronic poisoning by Organic Substances	—	1	—	1	—	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.						
78. Epilepsy	1	2	—	3	1	
85a. Diseases of the Eye	—	1	—	1	1	
85b. Conjunctivitis	—	7	—	7	—	
85d. Tumours of the Eye	1	—	—	1	—	
85e. Other Affections of the Eye... ..	2	1	—	3	—	
86. Affections of the Ear	—	1	—	1	—	
Carried forward	16	181	14	197	5	

TABLE VI_A—*continued*.RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.FORT JAMESON HOSPITAL—*continued*.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	16	181	14	197	5	
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.						
90a. Other Diseases of the Heart, Mitral	—	3	—	3	—	
90a. Other Diseases of the Heart, Aortic	—	1	—	1	1	
90b. Myocarditis	—	1	1	1	—	
94. Lymphangitis	—	3	—	3	—	
94. Lymphadenitis, Bubo ...	—	2	—	2	—	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.						
99a. Bronchitis, Acute	—	1	—	1	—	
101a. Pneumonia, Lobar	—	6	4	6	1	
102. Pleurisy, Empyema	—	1	—	1	—	
VI. DISEASES OF THE DIGESTIVE SYSTEM.						
108b. Stomatitis	—	1	—	1	—	
109. Tonsillitis	—	1	—	1	—	
113. Diarrhoea and Enteritis, under 2 years	—	3	—	3	—	
114. Diarrhoea and Enteritis, 2 years and over	—	15	1	15	—	
119b. Constipation	—	2	—	2	—	
124. Hepatitis	—	1	—	1	—	
127. Other Affections of the Digestive System	—	1	1	1	—	
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).						
130b. Schistosomiasis	—	1	—	1	—	
132. Urinary Calculus	—	1	—	1	—	
VIII. PUERPERAL STATE.						
143c. Other accidents of Pregnancy	—	1	—	1	—	
145. Other accidents of Parturition	—	1	1	1	—	
149. Sequelae of Labour	—	2	—	2	—	
Carried forward ...	16	229	22	245	7	

TABLE VIa—continued.

RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.

FORT JAMESON HOSPITAL—continued.

Diseases	R. 1927	Yearly Total		Total Cases Treat- ed	R. 1928	Remarks
		Adms.	Deaths			
Brought forward ...	16	229	22	245	7	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.						
153. Abscess and T. Ulcers ...	11	141	2	152	7	
154a. Tinea ...	—	1	—	1	—	
154b. Scabies ...	1	7	—	8	—	
155. Chigoes ...	1	2	—	3	—	
X. DISEASES OF THE BONES AND ORGANS OF LOCOMOTION (OTHER THAN TUBERCULOUS).						
156. Diseases of Bones, Osteitis...	—	1	—	1	1	
157. Diseases of Joints, Arthritis	—	5	1	6	—	
157. Synovitis ...	—	1	—	1	—	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.						
176. Snake Bite ...	—	3	1	3	—	
178. Burns (by fire) ...	1	18	1	19	1	
182. Drowning, Accidental ...	—	1	1	1	—	
184. Wounds (by cutting instruments) ...	2	28	—	30	1	
185. Wounds (by fall) ...	2	16	—	18	—	
187. Wounds (by machinery) ...	2	3	—	5	—	
189. Injuries inflicted by Animals	—	2	—	2	1	
201a. Dislocation ...	1	1	—	2	—	
201c. Fracture ...	3	6	1	9	—	
XV. ILL-DEFINED DISEASES.						
205a. Diseases not already specified	—	3	—	3	—	
205a. Ascites ...	—	3	2	3	—	
205b. Malingering ...	1	2	—	3	1	
Totals ...	42	474	31	516	19	

TABLE VII.
RETURN OF DISEASES AND DEATHS (EUROPEAN OUT-PATIENTS)
FOR THE YEAR 1928.
MAZABUKA HOSPITAL.

Diseases.	Male.	Female.	Remarks.
I. EPIDEMIC, ENDEMIC AND OTHER INFECTIOUS DISEASES.			
5c. Malaria	43	21	
5e. Blackwater	4	—	
9. Whooping Cough	8	4	
11. Influenza	1	—	
25a. Rubeola	2	—	
40a. Gonorrhoea	1	—	
II. GENERAL DISEASES NOT MENTIONED ABOVE.			
52. Rheumatism	3	2	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.			
78. Epilepsy	—	1	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.			
105. Asthma	—	1	
VI. AFFECTIONS OF THE DIGESTIVE SYSTEM.			
109. Tonsillitis	2	3	
114. Diarrhoea	2	1	
117. Acute Appendicitis	2	—	
VIII. PUERPERAL STATE.			
143a. Normal Labour	—	3	
XV. ILL-DEFINED DISEASES.			
205a. Diseases not already specified ...	28	6	
Totals	96	42	

TABLE VII—*continued.*RETURN OF DISEASES (EUROPEAN OUT-PATIENTS) FOR THE
YEAR 1928.

LUSAKA HOSPITAL.

Diseases.						No. of Cases.	Remarks.
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.							
5c.	Malaria	...	...	...	...	189	
5e.	Blackwater	...	...	...	...	1	
9.	Whooping Cough	...	...	...	...	63	
11.	Influenza	...	...	...	...	26	
21.	Erysipelas	...	...	...	...	1	
24.	Cerebro-Spinal Fever...	...	...	...	...	2	2 died.
25h.	Trypanosomiasis	...	...	...	...	1	
32.	Tuberculosis of the Meninges	...	...	...	...	1	1 died.
38a.	Primary Syphilis	...	...	...	...	4	
II. GENERAL DISEASES NOT MENTIONED ABOVE.							
44.	Cancer of the Stomach	...	...	...	...	1	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.							
85e.	Other affections of the eye	...	...	...	...	1	
86.	Affections of the ear	...	...	...	...	2	
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.							
90a.	Valvular Disease of the Heart	...	...	...	...	1	
90b.	Myocarditis	...	...	...	...	1	
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.							
99a.	Acute Bronchitis	...	...	...	...	6	
100.	Broncho Pneumonia	...	...	...	...	2	
101a.	Lobar Pneumonia	...	...	...	...	4	
102.	Pleurisy	...	...	...	...	3	
VI. DISEASES OF THE DIGESTIVE SYSTEM.							
108a.	Dental Caries	...	...	...	...	7	
109.	Tonsillitis	...	...	...	...	1	
114.	Diarrhoea and Enteritis	...	...	...	...	4	
116a.	Cestoda (Tænia)	...	...	...	...	1	
117.	Appendicitis	...	...	...	...	5	
118.	Hernia	...	...	...	...	1	
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).							
133.	Cystitis	...	...	...	...	4	
136.	Hydrocele	...	...	...	...	1	
141b.	Displacement of Uterus	...	...	...	...	18	
Carried forward						351	3 died.

TABLE VII—*continued.*RETURN OF DISEASES (EUROPEAN OUT-PATIENTS) FOR THE
YEAR 1928.LUSAKA HOSPITAL—*continued.*

Diseases.						No. of Cases.	Remarks.
Brought forward						351	3 died.
VIII. PUERPERAL STATE.							
143a. Normal Labour						2	
143ba. Abortion						2	
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.							
152. Boils						2	
153. Cellulitis						4	
154a. Tinea						1	
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.							
185. Wounds (by fall)						3	
201. Fracture						1	
Totals						366	3 deaths.

TABLE VII—*continued.*RETURN OF DISEASES AND DEATHS (EUROPEAN OUT-PATIENTS)
FOR THE YEAR 1928.

FORT JAMESON HOSPITAL.

Diseases.	Male.	Female.	Deaths.
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.			
5c. Malaria	21	11	—
6. Smallpox	2	—	—
11. Influenza	4	1	—
16a. Amœbic Dysentery	1	—	—
16b. Bacillary Dysentery	2	1	—
25. Ratbite Fever	1	—	—
25b. Varicella	1	—	—
38a. Primary Syphilis	1	—	—
38b. Secondary Syphilis	1	—	—
38c. Tertiary Syphilis	1	—	—
40a. Gonorrhœa	8	—	—
II. GENERAL DISEASES NOT MENTIONED ABOVE.			
58b. Anæmia	1	—	—
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.			
78. Epilepsy	—	1	—
82a. Hysteria	—	1	—
82b. Neuritis	5	2	—
82c. Neurasthenia	2	2	—
84. Insomnia	1	2	—
85b. Conjunctivitis	1	1	—
86c. Blepharitis	2	—	—
86. Affections of the Ear	2	1	—
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.			
94. Lymphangitis	2	—	—
Disordered action of the Heart	2	—	—
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.			
99a. Acute Bronchitis	5	1	—
102. Pleurisy	1	—	—
105. Asthma	—	1	—
Carried forward	67	26	—

TABLE VII—*continued.*RETURN OF DISEASES AND DEATHS (EUROPEAN OUT-PATIENTS)
FOR THE YEAR 1928.FORT JAMESON HOSPITAL—*continued.*

Diseases.	Male.	Female.	Deaths.
Brought forward	67	26	—
VI. DISEASES OF THE DIGESTIVE SYSTEM.			
108a. Dental Caries	10	6	—
109. Tonsillitis	5	2	—
109. Pharyngitis	1	—	—
112. Gastritis	1	—	—
112. Dyspepsia	6	1	—
113. Diarrhœa (under two years)	2	2	—
114. Diarrhœa (over two years)	4	3	—
114. Colitis	1	—	—
119a. Pruritus Ani	1	—	—
119b. Constipation	3	—	—
124. Jaundice	1	—	—
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).			
132. Urinary Calculus	—	1	—
133. Cystitis	—	1	—
138. Salpingitis	—	1	—
141a. Metritis	—	4	—
141b. Erosion of Carvix	—	1	—
VIII. PUERPERAL STATE.			
143ba. Abortion	—	1	—
143bc. Other accidents of Pregnancy	—	2	—
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.			
152. Boils	5	1	—
152. Carbuncles	1	—	—
153. Abscesses	9	3	—
154a. Tinea	1	—	—
155. Erythema	1	1	—
155. Urticaria	1	1	—
155. Herpes	1	—	—
155. Myasis	3	—	—
155. Chigoes	—	3	—
155. Veldt Sores	2	—	—
155. Acne	1	—	—
155. Pediculosis	2	—	—
155. Pityriasis	—	1	—
155. Keratosis	1	4	—
155. Impetigo Contagiosa	4	—	—
Carried forward	134	65	—

TABLE VII—*continued.*RETURN OF DISEASES AND DEATHS (EUROPEAN OUT-PATIENTS)
FOR THE YEAR 1928.FORT JAMESON HOSPITAL—*continued.*

Diseases.						Male.	Female.	Deaths.
Brought forward						134	65	—
X. DISEASES OF BONES AND ORGANS OF LOCOMOTION (OTHER THAN TUBERCULOSIS).								
157. Arthritis	...	...	...	...	...	1	—	—
157. Synovitis	...	...	...	...	...	—	1	—
158. Myalgia	...	...	...	...	...	2	—	—
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES								
176. Insect Bite	...	...	...	...	...	1	—	—
179. Burns (other than by fire)	...	...	...	...	...	1	—	—
184. Wounds (by cutting instruments)	...	...	...	...	...	1	1	—
185. Wounds (by fall)	...	...	...	...	...	2	—	—
189. Wounds inflicted by animals	...	...	...	...	...	1	1	—
201a. Dislocation	...	...	...	...	...	2	—	—
201b. Sprains	...	...	...	...	...	3	—	—
201c. Fractures	...	...	...	...	...	2	—	—
202. Strained Muscles	...	...	...	...	...	2	1	—
XV. ILL-DEFINED DISEASES.								
205a. Asthenia	...	...	...	...	...	5	—	—
Totals						157	69	—

TABLE VII—*continued.*RETURN OF DISEASES (EUROPEAN OUT-PATIENTS) FOR THE
YEAR 1928.

KASAMA HOSPITAL.

Diseases.	Male.	Female.
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.		
3. Relapsing Fever	1	—
5c. Malaria	6	2
11. Influenza	11	11
40a. Gonorrhœa	1	—
II. GENERAL DISEASES NOT MENTIONED ABOVE.		
51. Acute Rheumatism	1	—
52. Chronic Rheumatism	1	2
58. Anæmia	1	—
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.		
82c. Neurasthenia	—	1
86. Cerumes	1	1
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.		
97. Coryza	—	2
105. Asthma	1	—
VI. DISEASES OF THE DIGESTIVE SYSTEM.		
108. Dental Caries	5	2
112. Dyspepsia	2	1
114. Diarrhœa	2	1
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.		
152. Boils	1	—
153. Abscesses	5	—
155. Urticaria	—	2
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.		
184. Wounds (by cutting or stabbing instruments)	1	—
201b. Sprain	1	1
202. Other External Injuries	—	2
Totals	41	28

TABLE VII—*continued.*

RETURN OF DISEASES (EUROPEAN OUT-PATIENTS) FOR THE
YEAR 1928.

MONGU HOSPITAL.

Diseases.	Male.	Female.
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.		
5c. Malaria	10	5
25a. Rubeola	1	1
38a. Primary Syphilis	1	—
38b. Secondary Syphilis	1	—
II. GENERAL DISEASES NOT MENTIONED ABOVE.		
50. Tumours, non-malignant	—	1
52. Chronic Rheumatism	4	1
58b. Anæmia	—	1
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.		
82b. Neuritis	2	—
82c. Neurasthenia	1	1
84. Neuralgia	1	—
85b. Conjunctivitis	1	—
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.		
93. Hæmorrhoids	1	—
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.		
97. Corza	1	—
99a. Acute Bronchitis	1	2
VI. DISEASES OF THE DIGESTIVE SYSTEM.		
108a. Dental Caries	—	2
108b. Buccal Ulcer	—	1
109. Tonsillitis	2	3
112. Dyspepsia	8	3
114. Enteritis	—	1
114. Colitis	1	—
124. Hepatitis	2	—
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).		
133. Cystitis	—	2
141b. Dysmenorrhœa	—	2
VIII. PUERPERAL STATE.		
143ba. Abortion	—	1
Carried forward	38	27

TABLE VII—*continued.*RETURN OF DISEASES (EUROPEAN OUT-PATIENTS) FOR THE
YEAR 1928.MONGU HOSPITAL—*continued.*

Diseases.						Male.	Female.
Brought forward						38	27
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.							
152. Carbuncles	...	...	...	...	...	1	—
153. Cellulitis	...	...	...	...	...	2	—
154a. Tinea	...	...	...	...	...	1	—
155. Urticaria	...	...	...	...	...	2	1
155. Eczema	...	...	...	...	...	2	—
155. Herpes	...	...	...	...	...	1	—
155. Psoriasis	...	...	...	...	...	1	1
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.							
176. Tarantula Bite	...	...	...	...	...	—	1
202. Other External Injuries	...	...	...	...	...	1	—
Totals						49	30

TABLE VII—*continued.*RETURN OF DISEASES (EUROPEAN OUT-PATIENTS) FOR THE
YEAR 1928.

SOLWEZI HOSPITAL.

Diseases.	No. of Cases.	Remarks.
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.		
7. Measles	1	
38 <i>b</i> . Secondary Syphilis	1	
II. GENERAL DISEASES NOT MENTIONED ABOVE.		
52. Rheumatism	1	
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.		
82 <i>b</i> . Neuritis	1	
82 <i>c</i> . Neurasthenia	1	
VI. DISEASES OF THE DIGESTIVE SYSTEM.		
108 <i>a</i> . Dental Caries	1	
109. Tonsillitis	1	
112. Flatulence	1	
114. Diarrhoea	1	
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).		
133. Hæmaturia	1	
X. DISEASES OF BONES AND ORGANS OF LOCOMOTION (OTHER THAN TUBERCULOSIS).		
157. Bursitis	1	
XV. ILL-DEFINED DISEASES.		
205 <i>a</i> . Debility	1	
Total	12	

TABLE VII—*continued.*RETURN OF DISEASES AND DEATHS (EUROPEAN OUT-PATIENTS)
FOR THE YEAR 1928.

ABERCORN HOSPITAL.

Diseases.	No. of Cases.	Deaths.
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.		
5c. Malaria	7	—
5e. Blackwater	1	—
11. Influenza	1	—
16a. Amœbic Dysentery	2	—
II. GENERAL DISEASES NOT MENTIONED ABOVE.		
52. Chronic Rheumatism	2	—
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.		
74a. Apoplexy	1	1
82b. Neuritis	1	—
85b. Conjunctivitis	3	—
86. Cerumen	5	—
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.		
93. Hæmorrhoids	1	—
93. Phlebitis	1	—
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.		
97. Rhinitis	1	—
97. Corza	1	—
102. Pleurisy	1	—
VI. DISEASES OF THE DIGESTIVE SYSTEM.		
108a. Dental Caries	3	—
109. Tonsillitis	1	—
112. Dyspepsia	1	—
114. Diarrhoea	3	—
119b. Constipation	1	—
124. Cholecystitis	1	—
124. Jaundice	1	—
Carried forward	39	1

TABLE VII—*continued*.RETURN OF DISEASES AND DEATHS (EUROPEAN OUT-PATIENTS)
FOR THE YEAR 1928.ABERCORN HOSPITAL—*continued*.

Diseases.	No. of Cases.	Deaths.
Brought forward	39	1
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).		
132. Renal Colic	1	—
141c. Menorrhagia	1	—
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.		
155. General Vaccinia	1	—
155. Vaccinal Rash	1	—
155. Urticaria	1	—
155. Veldt Sores	2	—
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.		
176. Insect Bites	2	—
201b. Sprain	1	—
201c. Fracture	1	—
XV. ILL-DEFINED DISEASES.		
205a. Insomnia	1	—
205b. Malingering	1	—
Totals	52	1

TABLE VII—*continued.*RETURN OF DISEASES AND DEATHS (EUROPEAN OUT-PATIENTS)
FOR THE YEAR 1928.

CHOMA HOSPITAL.

Diseases.	No. of Cases.	Deaths.
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.		
1a. Typhoid Fever	2	—
1b. Paratyphoid A.	1	—
5c. Malaria	57	—
5e. Blackwater	2	—
9. Whooping Cough	3	—
11. Influenza	5	—
38b. Secondary Syphilis	3	—
40a. Gonorrhœa	1	—
II. GENERAL DISEASES NOT MENTIONED ABOVE.		
51. Acute Rheumatism	3	—
52. Chronic Rheumatism	9	—
69. Gout	1	—
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.		
71. Septic Meningitis	1	—
82b. Neuritis	3	—
82c. Neurasthenia	3	—
84. Migraine	1	—
85b. Conjunctivitis	3	—
85c. Foreign Body in Eye	6	—
86. Acute Otitis Media	3	—
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.		
90b. Myocarditis	1	—
94. Lymphadenitis	2	—
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.		
97. Cough	10	—
98. Laryngitis	4	—
99a. Acute Bronchitis	7	—
VI. DISEASES OF THE DIGESTIVE SYSTEM.		
108a. Pyorrhœa	14	—
109. Tonsillitis	5	—
109. Pharyngitis	7	—
111a. Gastric Ulcer	1	—
112. Gastritis... ..	8	—
112. Dyspepsia	2	—
113. Enteritis (under two years)	4	—
Carried forward	172	—

TABLE VII—*continued.*RETURN OF DISEASES AND DEATHS (EUROPEAN OUT-PATIENTS)
FOR THE YEAR 1928.CHOMA HOSPITAL—*continued.*

Diseases.	No. of Cases.	Deaths.
Brought forward	172	—
VI. DISEASES OF THE DIGESTIVE SYSTEM— <i>contd.</i>		
114. Enteritis (two years and over)	19	—
117. Appendicitis	4	—
124. Abscess of Liver	1	—
124. Jaundice	1	—
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).		
131. Pyelitis	1	—
133. Hæmaturia of unknown origin	1	—
138. Salpingitis	1	—
139. Uterine Fibro Myoma	2	—
141 <i>b</i> . Dysmenorrhœa	3	—
VIII. PUERPERAL STATE.		
143 <i>a</i> . Normal Labour	3	—
143 <i>b</i> . Abortion	1	—
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.		
152. Boils	3	—
153. Cellulitis	5	—
155. Other diseases of the Skin—		
Pediculosis Pubis	1	—
Urticaria	2	—
Eczema	1	—
Chigoes	1	—
Tropical Ulcer	1	—
XII. DISEASES OF INFANCY.		
162. Infant Malnutrition	1	—
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.		
176. Snake Bite	2	—
176. Insect Bite	2	—
177. Accidental poisoning by Camphorated Oil ...	1	—
201 <i>a</i> . Dislocation of Shoulder	1	—
201 <i>b</i> . Sprains	7	—
201 <i>c</i> . Fractures	2	—
202. Other external injuries	20	—
Totals	259	—

TABLE VII—*continued*.RETURN OF DISEASES (EUROPEAN OUT-PATIENTS) FOR THE
YEAR 1928.

LIVINGSTONE HOSPITAL.

There were 934 Attendances of European
Out-Patients at the Livingstone Hospital during
the year, principally for dressings.

TABLE VIIa.

RETURN OF DISEASES AND DEATHS (NATIVE OUT-PATIENTS)
FOR THE YEAR 1928.

MONGU HOSPITAL.

Diseases	Male	Female	Deaths
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.			
3. Relapsing Fever	—	1	—
5c. Malaria	167	59	—
11. Influenza	7	3	—
16b. Dysentery—Bacillary	8	5	—
20. Leprosy	5	—	—
34. Tuberculosis of the Vertebral Column ...	2	—	—
38c. Syphilis—period not indicated	54	23	—
40a. Gonorrhoea and its complications ...	21	—	—
40b. Gonorrhoeal Ophthalmia	1	—	—
II. GENERAL DISEASES NOT MENTIONED ABOVE.			
50. Tumours—non-malignant... ..	9	2	—
52. Chronic Rheumatism	200	20	—
53. Scurvy	1	—	—
58b. Other Anaemias and Chlorosis	1	1	—
64. Diseases of the Spleen	6	—	—
69. Purpura Haemorrhagica	—	1	—
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.			
72. Locomotor Ataxia	1	—	—
82b. Neuritis	16	9	—
85b. Conjunctivitis	317	162	—
85c. Trachoma	1	—	—
86. Affections of the Ear or Mastoid Sinus...	70	33	—
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.			
90. Other Diseases of the Heart, Mitral ...	1	—	—
93. Diseases of the Veins, Haemorrhoids ...	1	—	—
94. Lymphadenitis, Bubo	10	1	—
96. Other Affections of the Circulatory System	2	—	—
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.			
97. Corza	4	1	—
99. Bronchitis, Chronic	235	41	—
VI. DISEASES OF THE DIGESTIVE SYSTEM.			
108a. Diseases of the Teeth or Gums	37	25	—
108b. Stomatitis	14	8	—
108b. Glossitis	1	—	—
109. Tonsillitis	5	4	—
109. Pharyngitis	15	1	—
112. Gastritis	1	1	—
112. Dyspepsia	11	6	—
Carried forward	1,224	407	—

TABLE VII—*continued.*RETURN OF DISEASES AND DEATHS (NATIVE OUT-PATIENTS)
FOR THE YEAR 1928.MONGU HOSPITAL—*continued.*

Diseases	Male	Female	Deaths
Brought forward	1,224	407	—
VI. DISEASES OF THE DIGESTIVE SYSTEM— <i>continued.</i>			
113. Diarrhoea and Enteritis (under 2 years)	12	4	—
114. Diarrhoea and Enteritis (over 2 years)	46	13	—
119 <i>b</i> . Enteroptosis	44	34	—
119 <i>b</i> . Constipation	118	15	—
124. Hepatitis	—	1	—
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).			
133. Diseases of the Bladder, Cystitis ...	1	—	—
136. Epididymitis	1	—	—
136. Orchitis	1	—	—
141. Displacement of the Uterus	—	2	—
142. Mastitis	—	2	—
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.			
152. Carbuncles, Boils	20	1	—
153. Abscesses	190	17	—
154 <i>a</i> . Tinea	2	1	—
154 <i>b</i> . Scabies	37	7	—
155. Erythema	—	1	—
155. Urticaria	1	—	—
155. Eczema	3	2	—
155. Herpes	2	2	—
155. Myasis	1	—	—
X. DISEASES OF BONES AND ORGANS OF LOCOMOTION (OTHER THAN TUBERCULOSIS).			
156. Diseases of Bones, Osteitis	—	1	—
157. Diseases of Joints, Arthritis	3	—	—
157. Synovitis	6	—	—
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.			
176. Insect Bite	7	1	—
178. Burns (by fire)	26	3	—
183. Wounds (by fire arms)	1	—	—
189. Injuries inflicted by Animals	2	—	—
201 <i>b</i> . Sprains	52	1	—
202. Other External Injuries	483	18	—
XV. ILL-DEFINED DISEASES.			
205 <i>a</i> . Diseases not already specified	7	1	—
205 <i>a</i> . Asthenia	2	—	—
205 <i>b</i> . Malingering	8	—	—
Totals	2,300	534	—

TABLE VIIA—*continued.*RETURN OF DISEASES AND DEATHS (NATIVE OUT-PATIENTS)
FOR THE YEAR 1928.

FORT ROSEBERRY.

Diseases	Male	Female	Deaths
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.			
5c. Malaria	143	102	—
11. Influenza	16	12	—
16c. Dysentery	3	—	—
20. Leprosy	1	—	—
25g. Yaws	6	18	—
38e. Syphilis (period not indicated)	2	3	—
II. GENERAL DISEASES NOT MENTIONED ABOVE.			
52. Chronic Rheumatism	11	24	—
60a. Exophthalmic Goitre	143	16	—
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.			
85b. Conjunctivitis	87	37	—
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.			
101b. Pneumonia, Unclassified	3	—	—
VI. DISEASES OF THE DIGESTIVE SYSTEM.			
114. Diarrhoea and Enteritis (2 years and over)	12	—	—
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.			
154b. Scabies	104	73	—
XV. ILL-DEFINED DISEASES.			
205a. Diseases not already specified	411	332	—
205a. Debility	6	—	—
Totals	948	617	—

TABLE VIIA—continued.

RETURN OF DISEASES AND DEATHS (NATIVE OUT-PATIENTS)
FOR THE YEAR 1928.
KASAMA HOSPITAL.

Diseases	Male	Female	Deaths
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.			
3. Relapsing Fever	1	—	—
5c. Malaria	166	49	—
11. Influenza	56	38	—
25b. Varicella (Chickenpox)	7	6	—
38b. Syphilis, Secondary	4	—	—
38d. Syphilis, Hereditary	1	—	—
II. GENERAL DISEASES NOT MENTIONED ABOVE.			
52. Chronic Rheumatism	70	14	—
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.			
78. Epilepsy	2	—	—
82b. Neuritis	1	—	—
85c. Other Affections of the Eye	174	162	—
86. Affections of the Ear or Mastoid Sinus	13	6	—
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.			
93. Hæmorrhoids	1	—	—
94. Lymphangitis	3	—	—
96. Disordered Action of the Heart ...	1	—	—
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.			
99. Bronchitis, Chronic	221	132	—
102. Pleurisy, Empyema	6	—	—
VI. DISEASES OF THE DIGESTIVE SYSTEM.			
108a. Diseases of Teeth or Gums, Caries ...	20	9	—
109. Tonsillitis	1	4	—
112. Gastritis	1	1	—
114. Diarrhoea and Enteritis (2 years and over)	49	26	—
114. Colitis	2	—	—
116.f Diseases due to Intestinal Parasites, Unclassified	1	—	—
119b. Constipation	39	13	—
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON-VENEREAL).			
141a. Metritis	—	1	—
142. Mastitis	—	3	—
Carried forward	840	464	—

TABLE VIIA—continued.

RETURN OF DISEASES AND DEATHS (NATIVE OUT-PATIENTS)
FOR THE YEAR 1928.

KASAMA HOSPITAL—continued.

Diseases						Male	Female	Deaths
Brought forward						840	464	—
VIII. PUERPERAL STATE.								
144. Puerperal Hæmorrhage						—	1	—
145. Other Accidents of Parturition ...						—	1	—
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.								
152. Boils, Carbuncles						9	—	—
153. Abscesses						29	10	—
153. Ulcers						38	10	—
154b. Scabies						59	28	—
155. Eczema						12	4	—
155. Herpes						1	—	—
X. DISEASES OF BONES AND ORGANS OF LOCOMOTION (OTHER THAN TUBERCULOSIS).								
157. Synovitis						1	2	—
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.								
176. Insect Bites						5	2	—
178. Burns (by fire)						19	13	—
184. Wounds by Cutting or Stabbing Instruments						187	47	—
185. Wounds (by fall)						88	27	—
189. Injuries inflicted by Animals						1	1	—
201a. Dislocation						2	—	—
201b. Sprains						11	—	—
201c. Fractures						—	1	—
202. Other External Injuries... ..						9	2	—
XV. ILL-DEFINED DISEASES.								
205a. Asthenia						1	—	—
Totals						1,312	613	—

TABLE VIIA—continued.

RETURN OF DISEASES AND DEATHS (NATIVE OUT-PATIENTS)
FOR THE YEAR 1928.

CHOMA HOSPITAL.

Diseases	Cases Treated	Deaths
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.		
5c. Malaria	9	—
11. Influenza	2	—
16c. Dysentery	1	—
20. Leprosy	2	—
25b. Varicella (Chickenpox)	1	—
38c. Tertiary Syphilis	4	—
41. Septicaemia	1	—
II. GENERAL DISEASES NOT MENTIONED ABOVE.		
52. Chronic Rheumatism	18	—
53. Scurvy (including Barlow's Disease)	1	—
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.		
85b. Conjunctivitis	118	—
86. Affections of the Ear or Mastoid Sinus	12	—
IV. AFFECTIONS OF THE CIRCULATORY SYSTEM.		
94. Lymphadenitis, Bubo (non-specific)	1	—
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.		
99a. Bronchitis, Acute	8	—
99b. Bronchitis, Chronic	4	—
100. Broncho Pneumonia	1	—
107. Other Affections of the Lungs	53	—
VI. DISEASES OF THE DIGESTIVE SYSTEM.		
108a. Diseases of Teeth or Gums, Caries, etc.	25	—
108b. Other Affections of the Mouth, Stomatitis	4	—
109. Pharyngitis	6	—
112. Gastritis	1	—
114. Diarrhoea and Enteritis (2 years and over)	27	—
118. Hernia	2	—
119b. Constipation	65	—
VII. DISEASES OF THE GENITO-URINARY SYSTEM (NON- VENEREAL).		
130b. Schistosomiasis	1	1
136. Hydrocele	2	—
141b. Displacement of Uterus	1	—
142. Mastitis	1	—
Carried forward	371	1

TABLE VIIA—*continued.*RETURN OF DISEASES AND DEATHS (NATIVE OUT-PATIENTS)
FOR THE YEAR 1928.CHOMA HOSPITAL—*continued.*

Diseases							Cases Treated	Deaths
Brought forward							371	1
VIII. PUERPERAL STATE.								
145. Other Accidents of Parturition							1	—
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.								
151. Gangrene							1	—
152. Boils, Carbuncles							1	—
153. Abscesses, T. Ulcers							46	—
154b. Scabies							24	—
155. Eczema							3	—
155. Herpes							1	—
155. Sab. Cyst							2	—
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.								
179. Burns (other than by fire)							18	—
201b. Sprains							1	—
201c. Fractures							2	—
202. Other External Injuries							228	—
XV. ILL-DEFINED DISEASES.								
205b. Malingering							3	—
Totals							702	1

TABLE VIIA—continued.

RETURN OF DISEASES AND DEATHS (NATIVE IN-PATIENTS)
FOR THE YEAR 1928.

SOLWEZI HOSPITAL.

Diseases	Cases Treated	Deaths
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.		
5c. Malaria	14	—
20. Leprosy	6	—
25h. Trypanosomiasis	636	—
38e. Syphilis (period not indicated)	4	—
II. GENERAL DISEASES NOT MENTIONED ABOVE.		
60a. Exophthalmic Goitre	2	—
III. AFFECTIONS OF THE NERVOUS SYSTEM AND ORGANS OF THE SENSES.		
85a. Diseases of the Eye	22	—
VI. DISEASES OF THE DIGESTIVE SYSTEM.		
108a. Diseases of the Teeth or Gums, Caries, etc. ...	24	—
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.		
153. T. Ulcers	54	—
154b. Scabies	65	—
XIV. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.		
202. Other External Injuries	136	—
Totals	963	—

TABLE VIIA—*continued*.RETURN OF DISEASES AND DEATHS (NATIVE OUT-PATIENTS)
FOR THE YEAR 1928.

NDOLA HOSPITAL.

Diseases	Cases Treated		Deaths	
	Male	Female	Male	Female
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.				
5c. Malaria	56	6	—	—
25h. Trypanosomiasis	1	1	—	—
38e. Syphilis (period not indicated) ...	9	5	1	1
40a. Gonorrhoea and its complications	1	—	—	—
V. AFFECTIONS OF THE RESPIRATORY SYSTEM.				
101b. Pneumonia, Unclassified	1	4	—	3
IX. AFFECTIONS OF THE SKIN AND CELLULAR TISSUES.				
153. Abscesses, Tropical Ulcers ...	14	1	—	—
XV. ILL-DEFINED DISEASES.				
205. Diseases not already specified ...	287	19	—	—
Totals	369	36	1	4

TABLE VIIA—*continued*.

RETURN OF DISEASES (NATIVE OUT-PATIENTS) FOR THE YEAR 1928.
LIVINGSTONE HOSPITAL.

There were 1,588 Native Out-patients during the year and total attendances of 6,985, mainly for the treatment of minor ailments and injuries.

REPORT ON THE MEDICAL AND SURGICAL TREATMENT OF THE TUBERCULAR CIVILIAN HOSPITAL

There were 1,250 patients admitted to the hospital during the year and total attendance of 1,250 patients for the treatment of various ailments and injuries.

The following table shows the results of the treatment of the various ailments and injuries during the year.

Category	Number of Patients	Number of Cases
Tuberculosis	1,250	1,250
Other ailments	1,250	1,250
Injuries	1,250	1,250



