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MEDICAL REPORT

OF



THE GOLD COAST COLONY

FOR THE YEAR ENDED

31ST DECEMBER, 1896.

LONDON :
WATERLOW & SONS LIMITED, PRINTERS, LONDON WALL.

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MEDICAL REPORT
ON
THE GOLD COAST COLONY
FOR THE
YEAR ENDED 31ST DECEMBER, 1896.

GENERAL HEALTH OF THE COLONY.

1. The general health of the Colony during the year under review shows little or no improvement on that of the previous year. This year there were, amongst the European population, 11 deaths of Officials, and 30 Non-Officials, as against 15 and 23 respectively during 1895. The number invalided being 23 Officials and 35 Non-Officials, against 26 and 32 in 1895. This high rate is to be attributed to the fact that the epidemic of the malignant type of fever which prevailed during the last half of 1895 continued during the first four months of this year, the period in which the greater number of the deaths occurred.

2. The health of the native population was also unsatisfactory.

3. The principal diseases were :—Malarial fevers, diseases of the liver, intestines, and lungs. It is a fact worth noting that, amongst the Natives, the greatest amount of sickness occurs during the period of the rains—May to October.

4. In *Accra* there was a good deal of sickness during the first half of the year; but the last half was exceptionally healthy, more especially amongst the European Officials, this no doubt being due to the fact that the majority now live outside, and at a considerable distance from the native town. The most important event in connection with the General Hospital at *Accra* was the completion of the new wing, which contains on the upper floor three wards and a sitting-room, which are exclusively for the use of Europeans. The wards are very cheerful and airy, and a long-felt want is now supplied. Other improvements carried out are :—Quarters for the Dispensers, a new building for the dressing of out-patients, and the enlargement of some of the wards of the old hospital. The number of patients, both intern and extern, shows a steady increase from year to year. The report of the Medical Officer in charge is given in Appendix 4.

5. *Adda*.—The health of Europeans, both Official and Non-Official, was fairly good during the first quarter of the year; but during the second, third, and fourth quarters it was very bad. The prevailing diseases were malarial fevers, dysentery, diarrhoea, and affections of the liver. Two deaths occurred, 1 Official and 1 Non-Official, the cause in both being remittent fever. Six patients were invalided, 3 Official and 3 Non-Official. The health of the Natives was very bad during the first nine months, but improved during the last quarter. Amongst the improvements are some additional latrines and a new market shed.

6. *Akuse*.—The Medical Officer reports that the general health of Europeans has been unsatisfactory, there having been a good deal of fever, but happily with no fatal results, although during the fourth quarter, every European, Official and Non-Official, had one or more attacks, and in some cases of a rather severe form. The general health of the native population is also reported to have been unsatisfactory. Two of the Civil Police died, 1 from exhaustion and collapse following diarrhoea, and the other from chronic nephritis. A Customs Officer was drowned in the Volta river, and a Hausa died from dysentery. The bad health is attributed to sudden atmospheric changes, the low state of the lagoon and marshy places around the town, bad and insufficient food, bad water, and insanitary condition of the dwellings.

7. *Axim*. The general health of the Europeans during the early part of the year was bad; but fairly good during the second and third quarters; during the last not very good. Two deaths took place, 1 due to malarial cachexia, the other to dysentery. Ten patients were invalided, mostly for malarial fevers. The general health of the Natives, Official and Non-Official, was fairly good. No official died or was invalided. The sanitary condition of the town and district is very good.

8. *Cape Coast*.—Health of Europeans during first quarter fairly good, 1 died and 4 were invalided; second quarter exceedingly bad, 8 died, including 2 females, and 7 were invalided; third quarter fairly good, 1 death and 2 invalided; fourth quarter good, no death, 1 invalided. All the deaths were due to remittent fever. The general health of the natives was fairly good during the first quarter; very bad in second; bad in third, and in the fourth there was a very great improvement. Smallpox was very prevalent during the third quarter, but with strict sanitary precautions and isolation of cases the epidemic was soon stamped out. The general sanitary condition of the town has been much improved, more wells and additional latrine accommodation have been provided.

9. *Chama*.—The health of Europeans has been very good. One death took place from malarial fever. The health of the native population has also been very good.

10. *Elmina*.—There was a marked improvement in the health of the Europeans this year, both Official and Non-Official. Two Officials died from remittent fever, and 1 from gastritis. One Official was invalided for dysentery. The health of the natives has also been very good. The prevailing diseases were malarial fevers, dysentery, diarrhoea, rheumatism, and guinea worm. The sanitary condition of Elmina is fair; a good number of ruined houses have been cleared away.

11. *Kumassi*.—The health of the Europeans has been fair; no deaths occurred, but 1 officer was invalided. The general health of the natives is fair; but smallpox is prevalent and causes some mortality, though less than one would expect. At present the sanitary condition of Kumassi is unsatisfactory; it does not at present appear possible to drain the swamps. Efforts are being made to improve the condition of things by having refuse burnt, latrines constructed, &c.

12. *Kwitta*.—The health of the Europeans has been indifferent on the whole. First quarter very bad; second quarter in early part exceptionally good, but in June bad; third quarter fairly good; fourth quarter fair. There were three deaths, all from remittent fever, and in the first quarter; two patients were invalided. Except during the month of June the health of the native population was very good; no Officials died or were invalided. The sanitary state of the town is fairly good; but the latrine accommodation is said to be insufficient.

13. *Saltpond*.—The health of the Official European population was very good, no one died or was invalided; but of the Non-Officials, 4 died and 10 were invalided. The health of the native population is reported to have been much as usual, those diseases common to the tropics, such as malarial fevers, dysentery, diarrhoea, pulmonary and liver complaints, were very prevalent. During the September quarter variola threatened, but was averted at Saltpond; there was, however, a sharp outbreak at Anamaboe. There has been a marked improvement in the general sanitary state of both Saltpond and Anamaboe. The streets and roads in and about Saltpond were greatly improved and well repaired during the last half of the year.

14. *Winneba*.—Health of Europeans during first quarter, very good. Second quarter, unsatisfactory; one official died of syncope following chronic bronchial catarrh, and one was invalided for remittent fever. During the third and fourth quarters the health was very good. The health of the natives, official and non-official, throughout the year was very good. The present sanitary condition of Winneba is very good, the town is kept clean by the inhabitants, being naturally well situated on a hill sloping to the sea, and on a gravel soil, drainage is facilitated. A concrete drain has been constructed on each side of the principal street, and another is proposed to the market place. The water from the wells is bad, and accounts for the great prevalence of guinea worm. Some new latrines were erected during the year.

15. The reports of the Medical Officers in charge of the various districts of the Colony are given in Appendices 4 to 11.

SMALL POX AND VACCINATION.

16. Small pox is endemic on the Gold Coast as a rule the coast towns are comparatively free from it, but during the year under review there were outbreaks in the Axim District, at Cape Coast, Saltpond, Winneba and in the Volta River District.

17. In Axim District the disease broke out in the village of Ankobra, 25 cases appearing there and five in Axim; all were unvaccinated and fifteen of the patients died.

18. At Cape Coast the disease was most prevalent during August and September; 222 cases were treated in hospital and of these only 32 died, a very low rate of mortality considering the fact that the majority were unvaccinated. The disease was introduced into Cape Coast from the interior; 1,220 successful vaccinations were reported by the Vaccination Officer, but I am afraid the number is exaggerated.

19. At Saltpond the epidemic was of a mild type, five cases occurred in Saltpond, of which two died, and 27 cases at Anamaboe, of which ten died.

20. At Winneba also only a few cases appeared, and one died. The Medical Officer says the people of Winneba have a great objection to vaccination, and none was performed during the year.

21. In the Volta River District the outbreak was very mild and few cases were detected, but this may be accounted for by the fact that the natives always endeavour to conceal cases of this disease.

LUNATIC ASYLUM.

22. The Report of the Superintendent of the Lunatic Asylum is given in Appendix No. 11, and in No. 15 the statistical returns. The details of patients treated during the year is as under :—

Disease.	Male.	Female.
Mania	23	8
Melancholia	7	2
General paralysis	2	0
Epilepsy	2	2
Dementia	0	1
Other diseases, idiocy, &c. ...	1	0
Total	<u>35</u>	<u>13</u>

And of those remaining, admitted and discharged :—

	Male.	Female.
Remaining at the end of year 1895 ...	33	14
Admitted during the year 1896 ...	12	9
Died " " " ...	4	3
Discharged " " " ...	6	3
Total	<u>55</u>	<u>29</u>

GAOLS OF THE COLONY.

23. The total strength of prisoners in the various prisons of the Colony during the year was 2,246, there were 457 admissions into hospital and 26 died. The prevailing diseases were malarial fevers, dysentery, guinea worm, and affections of the pulmonary, digestive and hepatic systems. The deaths in each gaol were as follows :—

Accra	9
Elmina	14
Cape Coast... ..	2
Axim	1
Total	<u>26</u>

No deaths occurred at Ada, Akuse, Chama, Kwitta, Saltpond or Winneba.

24. The Medical Officers in charge of the different gaols report as follows :—

Accra.—"Health generally fair; diet of good quality. Ventilation of cells and wards good."

Ada.—"Health during first quarter, fairly good; second and third, bad; fourth, somewhat better. Diet good. Drinking water very bad, owing to scarcity of rain. Ventilation very bad, the cells are dark, stuffy and crowded together."

Akuse.—"General health of the prisoners fairly good. Diet and drinking water fairly good. Ventilation fairly good."

Axim.—"Health good, diet and drinking water good, ventilation good."

Cape Coast.—"Health, diet and drinking water and ventilation, all good."

Chama.—"General health good. Rations good. Drinking water " bad during first quarter, as the tank was dry ; during the rest of the " year very good. Ventilation good."

Elmina.—"General health good ; drinking water and diet good ; " ventilation sufficient."

Kwitta.—"Health very good ; diet and drinking water satisfactory ; " ventilation good."

Saltpond.—"Health generally very good ; diet and drinking water as " good as can be obtained ; ventilation excellent."

Winneba.—"Health, diet, drinking water and ventilation good."

MISCELLANEOUS.

25. The meteorological returns, rainfall, statistical returns, and statement of expenditure of the Medical and Sanitary Departments are given in the appendix.

(Signed) W. R. HENDERSON, M.D.,
Acting Chief Medical Officer.

ACCRA,

16th July, 1897.



APPENDIX I.

W.

MEDICAL DEPARTMENT OF THE GOLD COAST COLONY.

STATISTICAL RETURN OF THE GOLD COAST COLONY FOR THE YEAR ENDED 31st DECEMBER, 1896.

A.—NUMERICAL STATEMENT OF PATIENTS IN HOSPITAL.

CLASS.	Remained on 1st day of period.	Admitted.	DISCHARGED.			Died.	Remained on last day of period.	REMARKS.
			Cured.	Relieved.	Not Im- proved.			
Europeans	...	94	75	9	1	8	3	
{ Male	...	39	489	112	20	147	49	
{ Female	...	9	168	31	9	13	24	
Natives...	...	15	955	82	7	9	23	
{ Hausa	...	5	136	24	...	1	4	
{ Civil Police	...							
Constabulary	...							
Total...	70	2,155	1,649	258	37	178	103	

B.—DISPENSARY. NUMERICAL STATEMENT OF OUT-PATIENTS.

CLASS.	New Cases.	Old Cases.	REMARKS.
Europeans	12	3	
{ Male	13,725	791	
{ Female	6,862	220	
Natives...	5,333	192	
{ Hausa	1,415	94	
{ Civil Police...			
Constabulary			
Total...	27,347	1,300	

C.—ILLNESS OF EUROPEAN OFFICIALS.

(I.) DISEASES FOR WHICH THEY WERE TREATED.

DISEASE.		Remained.	Admitted.	Discharged.	Invalided.	Died.	Remaining.	DISEASE.		Remained.	Admitted.	Discharged.	Invalided.	Died.	Remaining.
Abscess ...	...	...	1	1	...	...	...	Brought forward...	...	4	315	288	18	11	2
" Perineal	...	...	2	2	...	...	...	Influenza	...	1	1	2	...	...	...
Alcoholism ...	...	...	1	1	...	...	...	Jaundice and Malarial Cachexia	...	...	1	...	1	...	...
Anæmia ...	...	...	3	2	1	...	...	Loomotor Ataxy	...	...	1	...	...	...	...
Biliousness ...	...	...	3	3	...	...	...	Lumbago...	...	...	1	1	...	...	...
Boils ...	...	...	3	3	...	...	...	Lungs, Inflammation of	...	...	1	1	...	...	...
Catarrh, Bronchial	...	...	1	...	...	...	...	Malarial Cachexia	...	1	4	4	1	...	...
" Intestinal	...	...	1	1	...	...	...	Nervous Prostration	...	...	1	...	1	...	...
" Nasal	...	...	1	1	...	...	...	Neuralgia	...	...	3	3	...	...	...
Cerebral Anæmia	...	...	1	...	1	...	...	Neuritis Peripheral	...	...	3	2	1	...	...
Colic, Intestinal	...	...	1	1	...	...	...	Œdema	...	...	2	2	...	...	...
Constipation	...	...	15	15	...	...	...	Penphigus	...	...	1	1	...	...	...
Debility ...	...	...	6	5	...	...	...	Prostatitis	...	...	1	...	...	...	1
Diarrhoea ...	...	...	9	9	1	...	...	Ptomaine Poisoning	...	...	2	2	...	...	...
Dysentery ...	...	...	5	4	1	...	...	Renal Colic	...	...	1	1	...	...	...
Dyspepsia ...	...	...	2	2	...	...	...	Rheumatism	...	...	4	4	...	...	...
Eczema ...	...	...	1	1	...	...	...	Scurvy	...	...	1	1	...	...	...
Fever, Intermittent	...	2	112	113	1	...	...	Sprain	...	...	3	3	...	...	...
" Remittent	...	2	127	107	11	9	2	Synovitis, Sub-Acute	...	...	1	1	...	...	...
Gastritis ...	...	...	2	1	...	...	...	Tonsillitis	...	...	2	2	...	...	...
Hæmoptysis...	...	...	3	1	2	...	...	Ulcer	...	...	1	1	...	...	...
Headache ...	...	...	4	4	...	...	...	Vomiting...	...	...	1	1	...	...	...
Hepatic Congestion	...	...	5	5	...	...	...	Wound	...	...	1	1	...	...	...
Hepatitis ...	...	...	6	6	...	...	...					
Carried forward...	...	4	315	288	18	11	2			6	352	321	23	11	3

(II.) DETAIL OF THOSE INVALIDED AND DIED.

Rank.	Name.	Disease.	Duration.		Result.
			From	To	
Asst. Col. Treasurer	Adolphus, G.	Remittent Fever	30-7-96	18-8-96	Invalided to England.
Schoolmaster	Allen, W. E.	Anæmia...	21-9-96	30-9-96	"
Director of Telegraphs	Andrews, M. S.	Nervous Prostration	1-8-96	6-8-96	Invalided to Accra.
"	"	Jandice and Malarial Cachexia	7-8-96	17-8-96	" " England.
Asst. Inspector, G.C.C.	Annesley, A. J. P.	Dysentery	20-2-96	25-2-96	" " Canary.
Asst. Comr. of Police	Burke, B.	Remittent Fever	21-2-96	3-3-96	" " "
Paymaster, G.C.C.	Clements, W. L.	"	17-3-96	20-3-96	" " England.
Colonial Chaplain	Davies, Rev. J. H.	"	20-3-96	13-4-96	" " "
Foreman of Works	Dodd, John	"	28-12-95	1-1-96	Died.
Sub. Asst. Comr. of Police	Donovan, D. A.	Hæmoptysis	17-2-96	24-2-96	Invalided to England.
Foreman of Works	Evans, John	Remittent Fever	15-1-96	17-1-96	Died.
"	Farley, Arthur	Bronchial Catarrh	21-6-96	30-6-96	"
"	Holmes, J.	Remittent Fever	22-1-96	5-2-96	"
Curator, Aburi	Humphries, C. H.	"	12-6-96	27-6-96	Invalided to England.
Asst. Col. Surgeon	James, W. R. W.	Cerebral Anæmia	24-2-96	29-2-96	"
Asst. Comr. of Police	Laloe, J. A.	Remittent Fever	7-3-96	13-3-96	Died.
Asst. Col. Surgeon	Lenehan, F. C.	Hæmoptysis	18-7-96	20-9-96	Invalided to England.
"	MacMaster, C.	Neuritis Peripheral	13-3-96	19-3-96	"
Foreman of Works	Merriman, J. H.	Remittent Fever	9-2-96	12-2-96	Died.
Civil Engineer	Nagel, A.	"	10-6-96	4-7-96	Invalided to England.
Local Auditor	Negus, F. H. D.	"	10-4-96	20-4-96	"
Asst. Col. Surgeon	Nicholson, Arthur	"	8-2-96	16-2-96	Invalided to Canary, died off Elmina
Supervisor of Customs	O'Donnell, S. F.	Gastritis	16-6-96	26-6-96	Died.
Asst. Comr. of Police	O'Hea, James	Remittent Fever	13-9-96	15-9-96	"
Foreman of Works	Patterson, C. P.	"	19-1-96	29-1-96	Invalided to Sierra Leone.
Asst. Col. Secretary	Ross, J.	Malarial Cachexia	9-11-96	13-11-96	" " Canary.
Asst. Col. Surgeon	Richards, T. H. H.	Debility	26-2-96	29-2-96	" " England.
"	Smith, J. Gordon	Intermittent Fever	24-2-96	29-2-96	" " Sierra Leone.
Supervisor of Customs	Smith, F. B.	Remittent Fever	12-4-96	17-4-96	" " England.
Asst. Col. Surgeon	Wellis, Hope	"	23-3-96	30-3-96	" " Canary.
Foreman of Works	Whesler, A.	Locomotor Ataxy	12-12-96	16-12-96	" " England.
Schoolmaster	Winter, F. W.	Remittent Fever	22-1-96	29-1-96	"
Supervisor of Customs	Yuille, A. B.	"	21-2-96	24-2-96	Died.
		"	2-2-96	7-2-96	"

(D.)—ILLNESS OF NATIVE OFFICIALS.

DISEASE.	Remained.	Admitted.	Discharged.	Died.	Remaining.	DISEASE.	Remained.	Admitted.	Discharged.	Died.	Remaining.
Abcess	6	6	...	...	Brought forward...	7	383	381	2	7
Ailium	1	1	...	...	Hernia, Strangulated...	...	1	...	1	...
Anemia	1	1	...	...	Herpes, Zoster ...	...	2	...	...	...
Asthma	2	2	...	...	Influenza ...	...	2	2	...	...
Boils	12	11	...	1	Injury, Lower Extremity	...	2	2	...	...
Bronchitis	31	31	...	...	Intestines, Diseases of	...	7	7	...	...
Bubo	4	4	...	...	Jaundice ...	...	3	3	...	...
Bursitis	2	2	...	...	Laryngitis ...	...	1	1	...	...
Catarh	1	1	...	...	Lumbago ...	...	5	5	...	...
Cellular Tissue, Inflammation of	...	2	2	...	...	Measles ...	...	3	3	...	...
Chancre	1	...	...	1	Muscles, Injury to	...	1	1	...	...
Colic	9	9	...	...	Mumps ...	...	1	1	...	...
Congestion of Liver	...	9	9	...	...	Nephritis, Chronic	...	2	1	1	...
Conjunctivitis ...	2	7	9	...	...	Neuralgia ...	...	2	2	...	...
Constipation	17	17	...	...	Onychia ...	...	1	1	...	...
" Chronic	...	2	2	...	...	Ophthalmia ...	...	2	2	...	...
Contusion	2	2	...	...	Orchitis ...	...	1	1	...	...
Debility	3	3	...	...	Otalgia ...	...	1	1	...	...
Diarrhoea	37	36	1	...	Palpitation ...	...	2	2	...	...
Dog bite	1	...	...	Pharyngitis ...	...	3	3	...	...
Dysentery ...	1	29	28	1	...	Phthisis ...	...	5	3	1	1
Dyspepsia	11	11	...	...	Pleurisy ...	...	4	4	...	...
Eczema	2	2	...	...	Pneumonia ...	...	1	...	1	...
Enteritis	6	6	...	...	Prostatitis ...	...	1	1	...	...
Epilepsy	1	1	...	...	Rheumatism ...	...	30	29	...	1
Febricula	18	18	...	...	Snake Bite ...	...	1	1	...	...
Fever, Intermittent	...	85	86	...	1	Strain of Neck	...	1	1	...	...
" Remittent	...	21	22	...	...	Stye ...	...	1	1	...	...
Gastritis	4	4	...	...	Synovitis ...	...	5	5	...	...
Ganglion	1	1	...	...	Tonsillitis ...	...	1	1	...	...
Ginivitis	1	1	...	...	Toothache ...	...	3	3	...	...
Glands, Inflammation of	...	3	3	...	...	Ulcer ...	...	3	3	...	...
Gonorrhoea	2	2	...	...	Urethritis ...	...	1	1	...	...
Gout	38	35	...	4	Varicella ...	...	1	1	...	...
Guinea Worm	2	2	...	...	Vertigo ...	...	2	2	...	...
Hæmaturia	5	5	...	...	Whitlow ...	...	5	5	...	...
Hæmorrhoids	1	1	...	...	Wound ...	1	6	7	...	...
Hæmoptysis	2	2	...	...	Yaws ...	...	...	...	...	...
Heart, Diseases of	...	1	1	...	...				
Hernia	1	1	...	...				
Carried forward ...	7	383	381	2	7	Total ...	8	498	491	6	9

(II.) DETAIL OF THOSE INVALIDED AND DIED.

Rank.	Name.	Disease.	Duration.		Remarks.
			From	To	
Hausa ...	Barissa Alli	Dysentery ...	26-3-96	8-4-96	Died.
Signalman ...	Darvey, N. J.	Hernia, Strangulated	4-7-96	6-7-96	"
1st Class Dresser and Nurse ...	Davies, Alex.	Phthisis ...	18-11-96	16-12-96	"
Police ...	Grunshi, Eml.	Chronic Nephritis...	24-3-96	8-4-96	"
3rd Class Dresser and Nurse...	Korley, W. Kofi	Pneumonia	18-9-96	25-9-96	"
2nd Class Customs Officer	Lutterodt, Alex.	Fracture of Right Temple	4-11-96		Killed Accidentally.
5th Class Customs Officer	Malm, J. C.	"	30-1-96		Drowned "
Police ...	Odotoh, Kofi	Diarrhoea ...	25-4-96	19-5-96	Died.

E.—DEATH RATE AND INVALIDING RATE AMONG PUBLIC OFFICERS.

Class.	Total Strength.	Percentage Invalided.	Percentage Died.	Remarks.
Europeans ...	183	12.56	6.01	Died from Illness.
Natives { Male ...	439	...	1.36	
{ Female ...	14	...	...
Constabulary { Hausa ...	1,010	...	.89	
{ Civil Police...	397	...	.25	
Total ...	2,043	12.56	9.07	

(PART I.)
RETURN SHEWING THE NUMBER TREATED AS IN-PATIENTS AT THE COLONIAL HOSPITALS OF THE GOLD COAST COLONY FOR THE YEAR ENDED 31ST DECEMBER, 1896.

193056

DISEASES.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		For the Year.		Remarks.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
I. GENERAL DISEASES:—																											
Small Pox ...	6	...	2	...	8	2	4	...	10	2	8	...	5	...	59	11	66	13	36	12	24	9	18	3	246	52	
Chicken Pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	4	...	
Mumps ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Febricula ...	2	...	3	...	6	...	4	...	2	...	6	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Dysentery ...	7	4	8	4	8	...	23	5	21	3	24	6	27	5	21	4	14	...	11	2	8	2	8	...	180	35	
Malarial { Intermittent	9	2	10	...	7	...	5	...	11	...	10	...	27	...	21	...	16	...	14	...	13	...	13	...	156	2	
Fevers { Remittent	13	3	2	...	4	...	4	2	5	1	9	...	4	...	7	...	...	...	1	...	3	1	3	...	55	7	
Malarial Cachexia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	
Beri-Beri ...	1	1	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	3	2	
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
Gonorrhoea ...	...	...	...	...	3	...	1	...	2	...	4	...	2	...	1	...	...	...	2	...	6	...	2	...	24	1	
Syphilis { Primary	...	...	...	...	...	...	1	...	1	...	1	...	1	...	...	...	...	...	2	...	2	...	...	...	10	...	
Secondary	5	...	4	1	2	...	1	...	1	...	2	...	3	...	1	...	3	...	9	...	5	...	3	...	39	1	
Alcoholism ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	
Debility ...	...	...	2	...	2	1	...	...	1	...	1	1	4	1	1	...	...	...	3	1	1	1	1	1	16	6	
Rheumatism { Acute	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
Subac. & Chronic	4	...	6	...	9	...	4	...	2	...	9	...	8	1	8	...	8	...	2	...	5	...	12	...	77	1	
Gout... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
Tumours ...	2	1	1	...	1	...	...	...	1	...	1	...	1	1	1	...	...	...	...	...	1	...	...	...	12	3	
Scrofula ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
Leprosy ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yaws ...	...	...	...	...	2	...	3	...	...	...	1	...	8	...	3	...	4	...	3	...	3	...	4	...	31	...	
Anaemia ...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	
Marasmus ...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	
II. NERVOUS:—																											
(a) Brain and Membrane	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	...	...	1	1	5	1	
(b) Spinal cord-do-do—	...	...	1	...	...	...	...	...	...	...	1	1	3	1	2	1	...	...	...	...	...	...	1	1	8	4	
(c) Nerves ...	1	...	...	...	2	...	...	...	2	1	...	...	3	1	...	...	1	...	...	...	...	...	...	1	10	2	
(d) Epilepsy ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	
(e) Vertigo ...	...	...	1	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	3	...	4	...	3	...	13	...	
(f) Insanity ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	
III. EYE ...	4	...	1	...	1	...	2	...	1	...	1	...	6	...	2	...	1	...	6	...	6	...	4	...	35	...	
Carried forward ...	56	12	44	5	49	3	54	7	61	7	83	9	104	10	129	18	116	13	98	15	87	13	86	6	967	118	

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(PART I.)—continued.
 RETURN SHEWING THE NUMBER TREATED AS IN-PATIENTS AT THE COLONIAL HOSPITALS OF THE GOLD COAST COLONY FOR THE YEAR ENDED DECEMBER 31ST, 1896.

DISEASES.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		For the Year.		Remarks.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Brought forward	56	12	44	5	49	3	54	7	61	7	83	9	104	10	129	18	116	13	98	15	87	13	86	6	967	118	
IV. EAR ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	3	...	
V. NOSE ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
VI. CIRCULATORY :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(a) Heart ...	1	...	2	1	...	...	...	...	1	...	...	...	1	...	1	1	...	...	1	...	1	...	...	...	8	2	
(b) Membranes of heart	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	
(c) Valves of heart	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	1	...	3	...	
(d) Blood vessels ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
VII. RESPIRATORY :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(a) Larynx ...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	...	
(b) Trachea and Bronchi	9	1	8	...	5	1	7	...	4	1	9	...	6	1	3	1	10	1	9	...	7	...	4	1	81	9	
(c) Lung ...	7	1	2	1	4	1	4	2	3	1	6	1	4	...	4	2	2	1	4	2	2	1	3	...	45	13	
(d) Pleura ...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	1	...	6	...	2	...	1	...	12	...	
VIII. DIGESTIVE :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(a) Mouth ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) Lips ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(c) Jaws and Antrum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(d) Teeth, Alveoli and Gums	1	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	3	1	
(e) Tongue ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(f) Palate and Fauces	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(g) Salivary glands...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(h) Pharynx and Oesophagus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(i) Stomach ...	1	...	1	...	1	...	...	...	...	...	...	...	1	...	1	...	1	...	2	...	1	...	...	...	9	...	
(j) Intestines. ...	2	...	3	...	5	1	3	...	2	1	5	2	7	1	10	1	5	1	8	...	9	...	8	2	67	9	
(k) Rectum and Anus	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	3	...	1	...	11	...	
(l) Liver ...	2	1	1	...	...	...	...	...	1	...	...	...	1	...	2	...	...	...	1	1	1	...	...	...	9	2	
(m) Gall bladder and ducts	...	...	...	...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	
(n) Pancreas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(o) Peritoneum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(p) Hernia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IX. LYMPHATIC SYSTEM :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(a) Spleen ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) Lymphatics ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Carried forward	84	15	61	7	69	7	68	9	74	10	105	15	125	12	156	23	140	16	139	18	119	15	107	10	1247	157	

(PART I.)—continued.
 RETURN SHEWING THE NUMBER TREATED AS IN-PATIENTS AT THE COLONIAL HOSPITALS OF THE GOLD COAST COLONY FOR THE YEAR ENDED 31ST DECEMBER, 1896.

DISEASES.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		For the Year.		Remarks.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Brought forward	84	15	61	7	69	7	68	9	74	10	105	15	125	12	156	23	140	16	139	18	119	15	107	10	1247	157	
X. THYROID BODY	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
XI. SUPRA-RENAL CAPSULES	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
XII. URINARY SYSTEMS :—	2	...	...	...	1	1	...	1	1	1	...	...	1	...	...	...	...	...	1	...	1	...	...	...	...	...
(a) Kidneys and ducts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) Urinary disorders	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(c) Bladder	...	...	1	...	...	...	...	...	1	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
XIII. GENERATIVE SYSTEM :	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(a) Male.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
i Urethra	1	...	1	...	3	...	...	...	...	...	1	...	1	...	...	...	1	...	2	...	...	...	1	...	11	...	
ii Prostate gland	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	4	...	
iii Penis	1	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	5	...	
iv Scrotum	4	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	3	...	1	...	...	...	11	...	
v Spermatheca	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
vi Testis	2	...	3	1	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	2	...	...	...	10	1	
(b) Female.	3	...	1	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...	...	...	...	...	10	...	
i Ovary	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
ii Fallopian tube	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
iii Uterine ligaments, &c.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
iv Parturition	...	...	1	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...	1	...	...	...	5	...	
v Uterus	2	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	4	...	1	...	2	...	12	...	
vi Vagina	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
vii Vulva	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
viii Functional	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
XIV. BREAST	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(a) Male	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
(b) Female	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
XV. ORGANS OF LOCOMOTION :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	
(a) Bones	2	...	...	...	...	...	...	...	...	...	1	...	2	...	1	...	...	...	3	...	2	...	...	...	12	...	
(b) Joints	3	...	3	...	1	...	1	...	6	...	1	...	2	...	1	...	...	...	6	...	3	1	1	...	29	1	
(c) Spine	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
(d) Muscles	2	1	3	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	3	...	1	...	...	...	11	1	
Carried forward	108	16	77	8	76	8	71	10	86	12	113	15	135	12	162	23	148	16	164	18	132	16	118	10	1390	164	

(PART I.)—continued.
 RETURN SHOWING THE NUMBER TREATED AS IN-PATIENTS AT THE COLONIAL HOSPITALS OF THE GOLD COAST COLONY FOR THE YEAR ENDED 31ST DECEMBER, 1896.

DISEASES.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		For the Year.		Remarks.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Brought forward	108	16	77	8	76	8	71	10	86	12	113	15	135	12	162	23	148	16	164	18	132	16	118	10	1390	164	
(e) Tendons and fasciae	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(f) Bursae & sheaths of tendons	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
XVI. CONNECTIVE TISSUE	7	...	...	...	4	...	1	1	2	...	2	...	2	...	4	1	5	...	9	...	6	...	7	1	49	3	
XVII. SKIN	7	...	6	...	12	...	5	...	5	...	8	...	10	...	27	...	13	...	10	...	11	...	18	...	132	...	
Ulcer	6	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	9	...	
XVIII. POISONS	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	3	...	
XIX. INJURIES	...	...	...	...	...	...	3	...	1	...	2	...	1	...	7	1	3	...	1	...	3	...	1	...	32	1	
(a) General:—																											
i Lightning stroke	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ii Sunstroke	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
iii Asphyxia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
iv Shock	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) Local:—																											
i Head and Face	1	...	...	...	1	...	...	...	2	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	7	...	
ii Eye	...	...	2	...	2	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	8	...	
iii Ear	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
iv Neck	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
v Chest	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
vi Back	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
vii Abdomen	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
viii Pelvis and gen. org.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ix Upper Extremity	6	...	1	...	8	2	6	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
x Lower Extremity	7	...	7	...	1	...	3	1	20	...	9	...	8	...	27	...	16	...	9	...	3	...	7	1	117	2	
XX. SURGICAL OPERATIONS	4	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	17	...	
Abscess	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
XXI. PARASITES:—																											
(a) Cestoda	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) Trematoda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(c) Filaria Medinensis	47	...	26	...	61	...	49	...	37	...	21	...	34	...	24	...	14	...	29	...	22	...	8	...	10	...	
(d) Other Nematoda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(e) Insecta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	194	16	122	8	170	10	139	12	157	13	158	15	192	13	253	25	208	17	242	18	192	19	196	12	2233	178	

F. (PART II.)
RETURN SHEWING THE NUMBER TREATED AS OUT-PATIENTS AT THE COLONIAL DISPENSARIES OF THE GOLD COAST COLONY FOR THE YEAR ENDED 31ST DECEMBER, 1896.

DISEASES.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		For the year.		Remarks.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
I. GENERAL DISEASES :—																											
Small Pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken Pox ...	1	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mumps ...	1	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Febricula ...	17	12	4	...	16	...	45	...	43	...	76	...	54	...	43	...	25	...	22	...	27	...	19	...	399	...	
Dysentery ...	30	26	...	...	31	...	48	...	48	...	44	...	57	...	35	...	33	...	20	...	28	...	33	...	433	...	
Malarial { Intermittent	62	69	...	...	80	...	81	...	74	...	95	...	109	...	74	...	38	...	52	...	48	...	61	...	843	...	
Fevers { Remittent	...	...	...	...	1	...	4	...	5	...	19	...	4	...	3	...	1	...	3	...	2	...	1	...	43	...	
Malarial Cachexia ...	...	...	...	...	...	...	3	...	1	...	...	...	3	...	...	...	1	...	1	...	...	...	2	...	11	...	
Beri-Beri ...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	2	...	...	...	...	...	...	...	...	...	4	...	
Influenza ...	...	...	...	...	...	...	...	...	...	...	8	...	1	...	...	...	...	...	...	...	...	...	...	...	10	...	
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	6	...	
Gonorrhoea ...	31	41	...	...	38	...	36	...	24	...	27	...	42	...	32	...	35	...	30	...	49	...	42	...	427	...	
Syphilis { Primary ...	6	7	...	...	11	...	14	...	2	...	4	...	9	...	8	...	5	...	12	...	16	...	4	...	98	...	
Syphilis { Secondary	27	25	...	...	38	...	27	...	19	...	42	...	27	...	18	...	21	...	28	...	55	...	33	...	360	...	
Alcoholism ...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	3	...	9	...	...	...	1	...	...	...	19	...	
Debility ...	15	11	...	...	21	...	12	...	11	...	14	...	28	...	15	...	14	...	11	...	18	...	6	...	176	...	
Rheumatism { Acute	6	7	...	...	21	...	26	...	19	...	24	...	24	...	22	...	16	...	22	...	41	...	23	...	251	...	
Rheumatism { Subac. & Chronic	112	112	...	...	162	...	129	...	136	...	175	...	143	...	128	...	143	...	163	...	204	...	136	...	1,743	...	
Gout ...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	
Elephantiasis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
Tumours ...	8	9	...	...	18	...	4	...	10	...	6	...	12	...	7	...	15	...	14	...	12	...	15	...	130	...	
Scrofula ...	4	1	...	...	3	...	...	...	1	...	1	...	1	...	...	...	1	...	...	...	7	...	2	...	21	...	
Leprosy ...	1	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	...	
Yaws ...	42	21	...	...	45	...	46	...	31	...	40	...	41	...	39	...	44	...	39	...	24	...	27	...	439	...	
Anemia ...	...	...	...	...	2	...	5	...	5	...	1	...	2	...	2	...	1	...	1	...	2	...	3	...	26	...	
Diabetes mellitus ...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	1	...	...	...	...	...	...	...	...	...	8	...	
Mal-Nutrition ...	2	...	...	...	2	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	
II. NERVOUS :—																											
(a) Brain and Membrane	3	...	...	...	7	...	12	...	7	...	9	...	2	...	2	...	1	...	2	...	2	...	1	...	49	...	
(b) Spinal cord-do—	2	...	...	...	1	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	
(c) Nerves ...	20	16	...	...	19	...	19	...	32	...	11	...	11	...	9	...	7	...	16	...	15	...	12	...	187	...	
(d) Epilepsy	1	...	1	3	...	1	...	1	...	1	...	5	...	3	...	16	...	
Carried forward ...	390	365	526	...	519	...	473	...	602	...	584	...	460	...	424	...	451	...	566	...	428	...	5,788	14	

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F. (PART II.)—*continued.*

DISEASES.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		For the year.		Remarks.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Brought forward	390	...	365	...	519	...	473	...	602	...	584	...	460	...	424	...	451	...	566	...	428	...	5788	14	...	...
(e) Vertigo ...	7	...	...	...	2	...	1	...	...	...	6	...	4	...	1	...	7	...	6	...	4	...	41	...	...	...
(f) Insanity	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...
III. Eye	78	...	69	...	130	...	90	...	79	...	53	...	81	...	66	...	100	...	94	...	114	...	1,083	...	...	...
IV. EAR ...	28	...	43	...	37	...	32	...	35	...	33	...	28	...	35	...	38	...	45	...	37	...	419	...	...	...
V. NOSE ...	2	...	1	...	1	...	4	...	4	...	2	...	5	...	2	...	6	...	5	...	4	...	38	...	...	...
VI. CIRCULATORY :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(a) Heart ...	...	...	7	...	6	...	11	...	4	...	6	...	8	...	1	...	9	...	6	...	11	...	77	...	...	...
(b) Membranes of Heart	...	...	2	...	...	...	...	...	2	...	1	...	1	...	...	...	...	...	...	...	...	7	...	...	...	...
(c) Valves of heart	1	...	...	...	1	...	1	...	...	...	1	...	1	...	4	...	1	...	1	...	2	...	17	...	...	...
(d) Blood vessels ...	1	...	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	5	...	...	...
VII. RESPIRATORY :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(a) Larynx ...	7	...	1	...	1	...	3	...	1	...	2	...	3	...	2	...	1	...	2	...	...	27	...	...	...	...
(b) Trachea and Bronchi	210	...	189	...	179	...	142	...	239	...	278	...	179	...	139	...	152	...	203	...	161	...	2,246	...	...	...
(c) Lung ...	14	...	16	...	6	...	6	...	11	...	9	...	16	...	14	...	15	...	12	...	21	...	147	...	...	...
(d) Pleura ...	7	...	9	...	6	...	1	...	1	...	5	...	11	...	10	...	10	...	18	...	3	...	87	...	...	...
VIII. DIGESTIVE :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(a) Mouth ...	14	...	11	...	20	...	20	...	12	...	13	...	17	...	18	...	11	...	22	...	16	...	198	...	...	...
(b) Lips	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...
(c) Jaws and Antrum	...	...	1	...	...	...	1	...	...	...	1	...	1	...	...	...	...	...	...	...	1	...	5	...	...	...
(d) Teeth, Alveoli and Gums	17	...	19	...	18	...	25	...	24	...	39	...	22	...	25	...	24	...	19	...	35	...	288	...	...	...
(e) Tongue ...	1	...	...	...	...	...	...	...	...	...	2	...	4	...	1	...	...	...	...	...	...	4	...	...	...	...
(f) Palate and Fauces	3	...	2	...	7	...	10	...	...	...	2	...	4	...	5	...	7	...	8	...	5	...	59	...	...	...
(g) Salivary glands...	...	...	...	...	...	...	3	...	3	...	2	...	...	...	4	...	1	...	...	...	...	16	...	...	...	...
(h) Pharynx and Oesophagus	3	...	2	...	3	...	3	...	17	...	2	...	5	...	4	...	1	...	3	...	7	...	60	...	...	...
(i) Stomach	18	...	57	...	50	...	45	...	28	...	31	...	25	...	22	...	35	...	44	...	27	...	422	...	...	...
(j) Intestines	174	...	220	...	279	...	270	...	322	...	312	...	350	...	417	...	360	...	406	...	247	...	3,651	...	...	...
(k) Rectum and Anus	4	...	...	...	1	...	2	...	4	...	4	...	3	...	2	...	1	...	8	...	3	...	39	...	...	...
(l) Liver ...	7	...	3	...	18	...	16	...	17	...	19	...	38	...	15	...	11	...	10	...	6	...	167	...	...	...
(m) Gall bladder and ducts...	2	...	...	...	1	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	1	...	7	...	...	...
(n) Pancreas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(o) Peritoneum	1	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	10	...	...	...
Carried forward	993	...	1005	...	1289	...	1159	...	1411	...	1413	...	1263	...	1215	...	1242	...	1479	...	1135	...	14,915	14	...	...

F. (PART II.)—continued.
 RETURN SHEWING THE NUMBER TREATED AS OUT-PATIENTS AT THE COLONIAL DISPENSARIES OF THE GOLD COAST COLONY FOR THE YEAR ENDED 31ST DECEMBER, 1896.

DISEASES.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		For the year.		Remarks.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Brought forward ...	993	...	1005	...	1311	...	1289	...	1159	...	1411	...	1413	...	1263	1	1215	8	1242	2	1479	3	1135	...	14,915	14	
IX. LYMPHATIC SYSTEM :—																											
(a) Spleen ...	1	...	1	...	1	...	4	...	1	...	...	...	...	...	...	...	1	...	...	...	2	...	1	...	12	...	
(b) Lymphatics ...	12	...	8	...	8	...	8	...	10	...	9	...	22	...	11	...	9	...	14	...	15	...	11	...	137	...	
X. THYROID BODY...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...	2	...	...	...	...	...	5	...	
XI. SUPRA-RENAL CAPSULES	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
XII. URINARY SYSTEMS :—																											
(a) Kidneys and ducts	1	...	1	...	1	...	...	...	2	...	1	...	1	...	1	...	1	...	3	...	1	...	3	...	16	...	
(b) Urinary disorders	...	...	2	...	3	...	2	...	1	...	1	...	2	...	1	...	1	...	1	...	...	...	1	...	15	...	
(c) Bladder ...	3	...	7	...	5	...	8	...	6	...	4	...	2	...	1	...	1	...	3	...	7	...	3	...	50	...	
XIII. GENERATIVE SYSTEM :—																											
(a) Male.																											
i Urethra ...	4	...	5	...	4	...	8	...	4	...	3	...	6	...	5	...	2	...	1	...	5	...	6	...	53	...	
ii Prostate gland	...	...	2	...	1	...	1	...	...	...	2	...	...	...	...	...	...	...	...	...	2	...	...	...	8	...	
iii Penis ...	5	...	3	...	2	...	3	...	2	...	1	...	1	...	...	...	...	...	...	...	5	...	...	...	32	...	
iv Scrotum ...	1	...	2	...	2	...	...	...	...	...	...	...	3	...	1	...	5	...	9	...	6	...	5	...	34	...	
v Spermatocord ...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	
vi Tunica vaginalis	3	...	2	...	2	...	3	...	...	...	1	...	2	...	1	...	3	...	1	...	...	...	...	...	21	...	
vii Testicle ...	10	...	10	...	4	...	6	...	7	...	11	...	3	...	5	...	4	...	2	...	4	...	4	...	70	...	
(b) Female.																											
i Ovary ...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	3	...	
ii Fallopian tube ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
iii Uterine ligaments, &c. ...	...	...	1	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	1	...	...	...	6	...	
iv Uterus ...	3	...	3	...	...	...	6	...	4	...	1	...	1	...	2	...	3	...	4	...	9	...	6	...	42	...	
v Vagina ...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	7	...	
vi Vulva ...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
vii Functional ...	4	...	5	...	3	...	4	...	2	...	1	...	...	...	2	...	4	...	2	...	4	...	2	...	33	...	
XIV. BREAST :—																											
(a) Male	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	
(b) Female ...	...	...	2	...	4	...	3	...	2	...	1	...	...	...	2	...	2	...	2	...	5	...	4	...	27	...	
XV. ORGANS OF LOCOMOTION :																											
(a) Bones ...	2	...	1	...	3	...	10	...	3	...	3	...	8	...	6	...	4	...	8	...	5	...	10	...	63	...	
(b) Joints ...	6	...	12	...	17	...	26	...	12	...	21	...	16	...	7	...	3	...	16	...	13	...	12	...	161	...	
Carried forward ...	1049	...	1073	...	1375	...	1381	...	1219	...	1471	...	1483	...	1312	1	1264	8	1316	2	1564	3	1208	...	15,715	14	

F. (PART II.)—continued.
 RETURN SHEWING THE NUMBER TREATED AS OUT-PATIENTS AT THE COLONIAL DISPENSARIES OF THE GOLD COAST COLONY FOR THE YEAR ENDED 31ST DECEMBER, 1896.

DISEASES.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		For the year.		Remarks.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Brought forward	1049	...	1073	...	1375	...	1381	...	1219	...	1471	...	1483	...	1312	1	1264	8	1316	2	1564	3	1208	...	15,715	14	
(c) Spine ...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	
(d) Muscles ...	24	...	32	...	21	...	19	...	13	...	5	...	12	...	...	...	...	...	36	...	57	...	39	...	273	2	
(e) Tendons and fasciae	...	...	3	...	1	...	3	...	3	...	3	...	...	...	...	...	...	...	...	...	4	...	1	...	18	...	
(f) Bones and sheaths of tendons	...	...	...	...	...	...	...	...	...	...	10	...	3	...	...	...	...	...	...	...	6	...	6	...	67	...	
XVI. CONNECTIVE TISSUE	20	...	24	...	39	...	28	...	20	...	16	...	36	...	17	...	39	...	33	...	29	...	42	...	343	...	
XVII. SKIN	304	...	306	...	371	...	391	...	347	...	304	...	298	...	311	...	309	...	310	...	408	...	329	...	3,988	...	
Ulcers ...	28	...	15	...	25	...	31	...	25	...	17	...	22	...	16	...	12	...	21	...	24	...	22	...	258	...	
XVIII. POISONS	...	...	...	...	...	...	1	...	1	...	...	...	1	...	...	...	...	...	...	...	2	...	1	...	6	...	
XIX. INJURIES	25	...	30	...	46	...	43	...	44	...	36	...	52	...	64	...	72	...	71	...	43	...	37	...	563	...	
(a) General:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
i Lightning stroke	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ii Sunstroke	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
iii Asphyxia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases undescribed	257	...	462	...	635	...	245	...	338	...	394	...	304	...	309	...	295	...	350	...	309	...	102	...	4,001	...	
(b) Local:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
i Head and Face	12	...	3	...	21	...	9	...	6	...	8	...	12	...	8	...	11	...	38	...	18	...	22	...	168	...	
ii Eye	11	...	15	...	25	...	21	...	10	...	9	...	27	...	12	...	17	...	11	...	9	...	11	...	178	...	
iii Ear	2	...	6	...	4	...	8	...	7	...	6	...	9	...	9	...	1	...	...	...	4	...	5	...	61	...	
iv Neck	...	...	...	...	...	...	4	...	1	...	...	...	...	...	1	...	1	...	...	...	1	...	...	...	14	...	
v Chest	2	...	2	...	6	...	1	...	3	...	3	...	...	...	...	...	1	...	...	...	1	...	...	...	19	...	
vi Back	...	...	1	...	9	...	...	...	3	...	1	...	...	...	...	...	1	...	...	...	4	...	2	...	22	...	
vii Abdomen	...	...	...	...	...	...	4	...	...	...	16	...	17	...	11	...	15	...	...	...	...	...	...	...	64	...	
viii Pelvis and gen. org.	1	...	...	...	2	...	...	...	...	...	...	...	1	...	...	...	5	...	...	...	...	...	...	...	10	...	
ix Upper Extremity	41	...	80	...	28	...	58	...	75	...	60	...	48	...	20	...	47	...	62	...	22	...	21	...	562	...	
x Lower Extremity	64	...	68	...	107	...	113	...	39	...	57	...	80	...	80	...	69	...	121	...	122	...	95	...	1,015	...	
XX. SURGICAL OPERATIONS	2	...	4	...	8	...	2	...	2	...	...	...	3	...	3	...	1	...	2	...	8	...	3	...	38	...	
XXI. PARASITES:—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	
(a) Cestoda	1	...	3	...	3	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17	...	
(b) Trematoda	3	...	8	...	6	...	7	...	19	...	27	...	...	...	...	...	2	...	18	...	13	...	...	...	103	...	
(c) Filaria Medinensis	41	...	100	...	95	...	130	...	132	...	113	...	68	...	39	...	26	...	63	...	47	...	90	...	944	...	
(d) Other Nematoda	20	...	15	...	17	...	14	...	19	...	23	...	38	...	11	...	19	...	13	...	7	...	15	...	211	...	
(e) Insecta	6	...	11	...	12	...	4	...	7	...	6	...	3	...	3	...	2	...	3	...	6	...	4	...	67	...	
(f) Vermes	...	...	1	...	1	...	3	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	6	...	
Total	1915	...	2272	...	2872	...	2523	...	2343	...	2586	...	2518	...	2242	1	2220	8	2481	2	2708	3	2055	...	28,735	14	

G.—DETAIL OF OPERATIONS PERFORMED.

No.	Operation.	Result.
18	Amputation of finger and hand	Recovery.
10	" of knee	1 Death.
1	" of leg	Death.
5	" of toe	Recovery.
1	" of uterine cervix	"
4	Avulsion, great toe nail	"
3	Bone, diseased, removal of	"
49	Circumcision	"
2	Cyst, removal of	1 Recovery, 1 still in Hospital.
1	Elephantiasis scroti, removal of	Recovery.
1	Extraction of aural polypus	"
2	" of filaria medinensis	"
1	Fistula in ano	"
3	Hernia, inguinal	"
1	" Strangulated inguinal	Death.
1	Hydrocele, radical cure	Recovery.
3	" tapping of	"
1	Impacted foreign body in ear, removal of	"
1	Laparotomy (exploratory)	Death.
3	Necrosis of superior left maxilla	Recovery.
1	Ovariectomy (small dermoid of left ovary)	"
23	Tumour, fatty, removal of	"
1	" from abdominal wall, removal of	"
1	" sebaceous, removal of	"
2	" Sarcomatous, removal of	"
1	Urethral fistula, operation of	Improved.
1	Wound of abdomen	Recovery.
1	" of thigh lacerated	"
1	" of thorax, punctured	"
3	" of scalp	"

H.—NUMERICAL STATEMENT OF CASES OF SMALL POX WHICH OCCURRED IN THE DISTRICT WITH THE NUMBER VACCINATED DURING THE QUARTER.

Sex.	Re- mained.	Admitted.	Dis- charged cured.	Died.	Re- maining.	Number Vaccinated.		Remarks.
						Successful.	Unsuccessful.	
Male	31	208	149	51	12	1356	384	
Female.....	7	63	50	13	7	105	144	
Totals ...	38	271	199	64	19	1461	528	

I.—STATISTICAL SUMMARY OF NON-OFFICIAL EUROPEANS.

Total Strength	615
" Deaths	30
" Invalided	35
Death rate	per thousand 48.78
Invaliding... ..	" " 56.91

(Signed) W. R. HENDERSON, M.D.,

Acting Chief Medical Officer.

TO THE HONOURABLE,
THE ACTING COLONIAL SECRETARY,
VICTORIABORG.

15th July, 1897.

APPENDIX 2.

METEOROLOGICAL OBSERVATIONS TAKEN AT ACCRA FROM JANUARY TO DECEMBER, 1896.

Months.	Thermometers.				Hygrometers.				Dew Point. Calculated daily on the means of two observations.	Relative Humidity.	Extreme Daily Range.	Wind.				Rainfall.	Greatest fall in one day.	Observations.
	Solar Max.	Tarres. Minim.	Shade Max.	Shade Minim.	Dry Bulb.		Wet Bulb.					Direction.	Force.	5 p.m.				
	5 p.m.	5 p.m.	5 p.m.	5 p.m.	9 a.m.	5 p.m.	9 a.m.	5 p.m.										
January	131.7	69.4	87.4	81.6	79.9	82.1	77.0	79.6	77.5	87.6	5.7	N.W.	S.W.	...	1.43	...		
February	138.2	71.0	89.8	81.8	82.5	83.7	77.3	78.3	74.7	74.5	8.0	S.E.	S.E.	...	...	...
March	141.8	46.8	88.0	78.2	81.6	82.0	77.6	78.2	74.7	73.6	9.1	N.W.	S.W.	...	5.01	...		
April	142.7	70.8	88.8	76.7	82.3	85.5	45.3	79.0	77.1	76.3	9.1	S.E.	S.E.	...	8.84	...		
May	139.2	68.7	81.3	78.0	79.5	81.3	76.9	77.9	75.4	70.6	8.1	N.W.	W.	...	13.68	...		
June	132.0	68.8	82.1	73.9	77.6	77.4	74.6	73.9	71.2	83.1	7.9	W.N.W	W.	...	5.49	...		
July	133.8	70.7	81.0	55.0	76.7	77.5	73.9	74.0	71.3	132.5	13.0	W.	W.	...	.44	...	
August	136.9	69.1	80.2	...	74.4	74.4	71.6	72.6	68.1	110.7	...	W.	W.	...	.03	...	
September	140.2	69.6	80.7	...	74.6	74.2	72.8	71.7	69.09	86.4	...	W.	W.	...	.20	...	
October	144.3	65.0	84.4	...	79.3	77.4	75.0	74.3	72.33	83.4	...	W.	W.	...	.09	...	
November	144.2	69.2	87.2	...	81.8	81.0	76.4	76.8	74.33	79.7	...	S.	S.	...	3.91	...		
December	138.9	71.1	85.5	...	81.1	81.2	75.5	77.6	75.09	84.9	...	S.S.W.	S.S.W.	...	.25	...	

MEDICAL DEPARTMENT,
VICTORIABORG, ACCRA,

(Signed) W. R. HENDERSON, M.D.,
Acting Chief Medical Officer.

APPENDIX 3.

RETURN OF RAINFALL AT ACCRA FROM 1887-1896.

Months.	Years and Rainfall in inches.										Remarks.
	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	
January ...	0.43	0.43	0.48	...	0.82	...	1.65	...	...	1.43	
February ...	3.26	0.33	0.16	1.06	...	0.37	1.25	...	...	...
March ...	1.17	1.98	0.21	3.44	2.01	0.52	0.27	1.41	3.69	5.01	
April ...	4.46	3.14	2.67	6.58	2.33	6.70	11.13	5.04	3.16	8.84	
May ...	3.53	13.57	6.01	5.40	6.84	11.30	5.50	3.43	3.38	13.62	
June ...	15.87	10.63	4.75	4.94	6.82	4.16	2.52	1.69	0.74	5.49	
July ...	1.36	0.21	3.96	0.96	4.16	...	3.93	0.60	0.85	0.44	
August ...	...	0.05	0.17	0.41	0.06	0.18	2.61	...	0.03	0.03	
September ...	0.15	1.15	0.80	0.26	0.02	0.95	...	0.84	0.58	0.20	
October ...	2.32	2.46	2.12	2.57	1.92	3.17	...	9.18	1.68	0.09	
November ...	0.39	0.58	2.25	2.11	3.37	1.85	0.77	0.84	0.39	3.91	
December ...	1.92	0.43	1.80	1.80	0.27	0.07	0.75	0.29	2.83	0.25	
Total ...	34.86	34.96	27.38	29.53	28.62	29.27	30.38	23.32	17.33	39.31	

MEDICAL DEPARTMENT,
VICTORIABORG, ACCRA.

W. R. HENDERSON, M.D.,
Acting Chief Medical Officer.

APPENDIX 4.

MEDICAL REPORT ON THE ACCRA HOSPITAL FOR THE YEAR 1896.

The most important event occurring in connection with the Colonial Hospital was the completion of the European Hospital, an entirely new building adjoining the old Hospital. This Hospital is constructed on the same style as the old Hospital, and contains three wards and a sitting-room. The quarters are very good, the wards being cheerful and airy. The Hospital supplies a long-felt want, and is certain to prove very useful in any serious cases of Fever which may require care, and in any cases of accident.

Many other very important improvements and additions took place during the year, including new quarters for Dispensers, a new shed for dressing Out-patients, and enlargement of some wards in the old Hospital.

The number of intern and extern patients increases from year to year—in fact, a large number of cases obtain treatment at present, the wards being generally fully occupied. Two Female Nurses were appointed during the year, and two Dispenser Pupils appointed third-class Dispensers. One Official Hospital Steward was discharged for absenting himself without leave. Two Hospital Officials died during the year—one Dresser and a Nurse.

The management of the Hospital has been satisfactory, and the conduct of the subordinates generally very good, notwithstanding the frequent changes of the Medical Officer in charge, which is, of necessity, adverse to the proper management of any Hospital, or the proper training of any Hospital staff. These frequent changes favour the tendency to malingering which is common with the Hausas, Civil Police, and some Officials, and from my own experience I can say that many cases of malingering takes place which could be avoided by the Medical Officer having an experience of greater length than is general in connection with Officers in charge of the Hospital.

The system of admitting Officials into Hospital is most satisfactory, and enables the Medical Officer to thoroughly study his patients and give them better attention than they would otherwise obtain. There is nothing to record of special medical or surgical interest except the very large proportion of the Gold Coast Constabulary on the sick list suffering from Guinea Worm, and the number of severe accident cases occurring towards the end of the year.

In connection with the prevalence of Guinea Worm amongst the Hausas, little can be done; and until a really good supply of water is obtained for Accra, this disease will remain a source of constant trouble.

Amongst the suggestions that occur to me, I consider one of primary importance, and that is the building of a small detached ward on the ground level, and some short distance from the General Hospital, for treating cases of Dysentery, Diarrhoea, and Gangrene, or other Diseases, which are a source of discomfort to other patients, and are calculated to produce very insanitary conditions in a general ward. I make this suggestion from careful observation of such cases, and think the suggested improvement is, in every way, a necessity, the building required would only need accommodation for about six patients, and should have a concrete floor. A small room is at present used for such cases, and is overcrowded.

2nd.—A room or shed for the Hospital Krooboy to sleep in, as the present system of these boys sleeping far away from the Hospital is very unsatisfactory,

An increase in the Krooboy labourers, four more would be required.

(Signed) P. J. GARLAND,
Assistant Colonial Surgeon.

APPENDIX 5.

REPORT UPON THE COLONIAL HOSPITAL, CAPE COAST, FOR THE YEAR 1896.

EXTERN DEPARTMENT.

3641 new patients were treated. The total attendances of old cases amounted to 5398.

INTERN DEPARTMENT.

217 cases were admitted for treatment as per following table:—

	Medical.	Surgical.	Special Diseases of Women.	Midwifery.	TOTAL.
Males	91	79	...	...	170
Females	17	16	10	4	47
TOTALS	108	95	10	4	217

There were 36 deaths as shewn in the following table:—

	Medical.	Surgical.	TOTAL.
Males	30	4	34
Females	2	...	2
TOTALS	32	4	36

SURGICAL OPERATIONS.

Very few of importance, the only grave operations being one amputation of leg, one ovariectomy, one herniotomy, and one amputation of uterus.

MIDWIFERY.

Four cases of complicated labour were admitted and successfully treated.

STAFF.

Medical Officers.—Dr. De Groot, Dr. Hope Wellis, and Dr. Elliott, have successively acted as Resident Medical Officer during the year.

Dispensers.—S. Bruce, J. Cato, and A. Ashong were successively appointed as Dispensers to the Hospital.

Nurses and Dressers.—One female 2nd class nurse, and three 2nd class male dressers, viz. :—Messrs. Turkson, Sutton and Anan, the last of whom I have recommended should be retired.

Expenditure—

Salaries...	...	...	...	...	£681	4	3
*Diet of Patients	...	...	...	...	207	7	7½
Light and Fuel	...	...	...	...	12	16	11
†Transport	...	...	...	...	26	7	3
Medical Evidence	...	...	...	...	6	6	0
					£934	2	0½

* Including Small Pox Asylum.

† Including extra transport to Saltpond.

Revenue—

From paying Patients	...	...	...	...	£6	7	11
Sale of Drugs to Medical Officer	...	...	...	...	27	10	10½
Sale of Medical Comforts	...	...	...	...	30	3	10
Stoppages from Hausas	...	...	...	...	4	3	6
" " Civil Police	...	...	...	...	1	12	0
Fines imposed on Subordinate Officers	...	...	...	...	0	18	6
					£70	16	7½

Hospital Buildings.—The outside of the Hospital and the surrounding wall present a most disgraceful appearance from the want of plaster and whitewash.

Many of the window frames and jalousies are dropping from their hinges.

The floor of the upper story leaks in many places, so that when it is being washed water trickles freely through into the lower story.

The rain collecting pipes have been recently rearranged so that the patients' sputter collected on the verandah roof no longer finds its way into the water-tank—as it has been doing for years—water from the main roof only is now conducted into the tank.

In regard to this tank, situated in the Hospital grounds and supplied from the roof of the Hospital of the Wesleyan Church, I think its supply and construction should be examined by a Public Works Officer, as on recently opening the tank after it had been closed for eight months only about four feet of water were found. I suggest that either the tank leaks, or that there is obstruction or deficiency in the pipes leading into it.

It is unnecessary for me to comment on the unsuitableness of this building for the purpose of a general Hospital. I presume its structural defects are well known at head quarters.

Hospital Equipment.—There are no pillows provided for patients, there are no bedside lockers or shelves, there are no towels in the hospital wards, consulting room or operating room, except those bought and paid for by the Medical Officer himself.

The equipment of the *European Ward* consists of a bedstead and a mattress, mosquito net and pillow and a commode. There is no table or washstand and the Resident Medical Officer has to supply European patients with crockery. The stock of instruments has recently been enlarged by the addition of a valuable operating case.

As recruits for the Hausas and Civil Police are often examined at outstations, each dispensary should be provided with the ordinary visual tests—particularly the “Army Dot Test.” There is nothing of this kind at the Cape Coast Hospital.

(Signed) W. M. ELLIOTT,
Assistant Colonial Surgeon.

APPENDIX 6.

ELMINA,
5th January, 1897.

SIR,

I have the honour to submit to you my report on the Colonial Hospital for the year ending December 31st, 1896.

I took over the duties as Medical Officer of this station in November, 1896.

There has been several improvements to the Hospital this year. A new roof has been put on, and since my taking over I have had the interior of the building painted and white-washed, the bedsteads and bedside tables have also been painted.

The stone steps of the Hospital are in very bad repair—in fact, almost dangerous in places.

The contract for the supply of provisions has been very satisfactory, the quality of food being good.

The supplies of Medicines, Medical Comforts, Surgical Instruments, Bedding and Furniture have been inadequate, and care was taken to keep the Surgical Instruments in proper order.

The Dressers' quarters in the Hospital are in bad repair, and although His Excellency made a remark to this effect some time ago, nothing has been done in the matter.

For the first time at this station a Female Nurse was appointed to attend to the Female Patients in the Hospital.

There have been two other Medical Officers stationed here this year, prior to my arrival, namely, Dr. Elliott, until February, and Dr. MacDowell, until my arrival.

The working of the Hospital has been successfully carried out by the Dispenser and Dressers.

The European ward was not occupied this year by any European Patients.

There were 110 cases vaccinated, but owing to Lymph being defective, there were no successful cases. There were 13 cases of Small Pox admitted to the Contagious Diseases Huts, and two cases proved fatal.

The following visited the Hospital this year, and made the undermentioned remarks in the visitors' book :—

“The Acting Governor on 9th July found everything in very satisfactory order, “showing that the supervision by Dr. McDowell is constant and efficient. New mattress “covers required throughout.”

"The Chief Medical Officer inspected the books and equipment of the Hospital, and found everything in a satisfactory condition, &c."

"The Assistant Colonial Chaplain on several occasions during the year."

"The Local Auditor, on September 8th: 'I inspected the books and store-room this day and found all correct and in good condition, the books being well and neatly kept.'"

To complete this report, I beg to refer you to Form *W* and the Blue Book.

I have, &c.,

(Signed) S. H. R. V. R. DE GROOT,
Assistant Colonial Surgeon.

THE CHIEF MEDICAL OFFICER,
ACCRA.

APPENDIX 7.

COLONIAL HOSPITAL,
KWITTA, *January 5th, 1897.*

SIR,

I have the honour to submit the following report on the Colonial Hospital at Kwitta for the year ended 1896.

No structural alterations were made, but the buildings, particularly the main roof, were improved by the execution of some pressing repairs, and by carefully whitewashing and painting. Now they present a bright and cheerful appearance.

Unfortunately there is no ward for the regular reception of females, no properly appointed latrine, nor bath room for patients.

Owing to the want of the requisite accommodation, women were not usually admitted. One sick woman whom it was absolutely necessary to have under immediate observation, was kept for ten days in the Operation Room.

The small Latrine adjoining the east wall of the Mortuary was reserved for the use of the staff whilst patients were provided with drum placed in the open air behind the north wall, but somewhat screened from the public gaze by a couple of sheets of corrugated iron fixed in the sandy ground.

Patients desirous of having a bath, performed their ablutions in the open yard or repaired to the seaside.

There is no rain water tank, but nine casks have been put at short intervals around the main buildings, for the purpose of collecting and storing water in the rainy season.

The resources of the In and Out-door departments were largely drawn on by the increased demand for Medical relief.

The admissions for the year amounted to 87, and these figures represent the total number of inmates, as no old case remained over from the previous period.

With the exception of one woman, the in-patients were males, drawn from the following classes, viz.:—Hausa Constabulary, Gold Coast Police, Natives, Official and pauper.

The daily average in-patients were 4.91.

This being the first complete year of occupation of the Hospital no comparison can be made with the previous term, but it may be averred that the benefits of an institution affording in-door treatment to sick Officers and the sick poor have been inestimable.

Overcrowding was guarded against, in fact only 12 beds were kept in the male ward, and the greatest number of patients therein did not exceed eleven at a time.

The daily average number of inmates in this ward were 4.89, and each had an available cubic space of 2919 cubic feet, besides ample means for the free interchange of air.

The sick woman accommodated in the Operation Room had 1,415 cubic feet of air space at her disposal.

The diseases principally treated were Guinea Worm and Wounds by assault with knives and similar instruments. A few of the latter injuries were of a serious nature, but only one necessitated operative interference.

Three operations were performed, viz.:—Excision of Tumour, Amputation of Cyst, Amputation of Toe. Three deaths occurred, and they were caused by Dysentery, Gonorrhœa and Tetanus. This number gives a mortality rate of 34.48 per 1000.

Regarding the Out-patients, 26 old patients from the previous year, together with 2,388 new ones enrolled during the period under review, make 2,414 patients in all who received Medical aid in the Outdoor department at this Hospital.

The total number of attendances of the new and old patients amounted to 12,029, which gives a daily average of 32.86.

It will be observed, on referring to the annexed table, that although the new cases are fevers by 133 than they were during the previous year, the total number of attendances was greater by 2,054 than the highest annual record of the past.

The diseases principally treated were Bronchitis, Diarrhœa, Dysentery, Constipation, Guinea Worm, Injuries, Malarial Fever, Ringworm, Round Worm, Rheumatism, Ulcer.

HOSPITAL SUPPLIES.

The contract for the supply of provisions was again entrusted to the old Contractor. On his death his wife undertook the Contract from the 1st August. The supplies were generally of good quality.

EXPENDITURE AND RECEIPTS.

Exclusive of specially sanitary items the Expenditure and Receipts on account of the Medical Department amounted to £620 17s. 4d. and £20 4s. 9½d. respectively.

HOSPITAL EQUIPMENT.

It is worthy of remark that in almost every particular the Hospital was well equipped and equal to the demands on its resources.

Drugs, Medical Comforts, Furniture and Bedding were not in excess, but sufficient for the necessities of the time.

THE STAFF.

The Staff consisted of one Assistant Colonial Surgeon, one Dispenser and Clerk, one Dresser and Nurse, and one Cook. The menial work of cleaning the Hospital and ground is performed by the sanitary labourers.

The Medical Officer was changed three times so that the management was entrusted to three different Surgeons in the course of the year.

Dr. James was at first in charge but on the 17th February he embarked for Accra. In the afternoon of the same day Dr. Garland arrived and succeeded him and continued to carry on the duties of the office till the 16th November when I relieved him.

Another temporary vacancy was created when Mr. Pabity, the Dispenser and Inspector of Nuisances went on leave for a month and two weeks. During his absence which extended from the 25th October to the 6th December inclusive, his post was filled by Mr. Sanniey, 1st Class Dispenser pupil from the Accra Hospital.

The Senior Assistant Colonial Surgeon last in charge, after long delay, as well as the Dispenser, received payment of the increments which accrued to them for the year, but the Dresser still remains unpaid.

With the exception of the District Commissioner no visits of inspection were made by any Officer of high official position.

I beg to invite your attention to the Appendices which completes this report.

I have, &c.,

(Signed) D. WALDRON,

Senior Assistant Colonial Surgeon.

THE CHIEF MEDICAL OFFICER,
VICTORIABORG.

APPENDIX 8.

REPORT ON THE DISPENSARY AT AKUSE FOR THE YEAR ENDED 31st DECEMBER, 1896.

During the year 1896 this Dispensary has made rapid strides in its usefulness as a Public Institution, and, as shown in previous reports, the public resort to it in large numbers, not only in accidents and emergencies, but also for other complaints.

During this year the number of patients, both old and new cases, have increased to a great extent, and the number of operations performed show that the public are daily becoming more confident.

I here place before you a comparative table giving the cases and operations of the last two years:—

	New Cases.			Old Cases.			Total.
1895	672	...	...	1,990	2,662
1896	785	...	...	3,297	4,082
Operations.							
	1895	...	...	3	
	1896	...	...	21	

It will thus be seen that the Dispensary is thoroughly answering its purpose, and there is no doubt that its services to the destitute poor will gradually increase.

The diseases most prevalent were as follows:—

Skin Diseases, Fevers, Dysentery, Gonorrhoea, Rheumatism, Yaws, Eye and Ear Diseases
Ulcers of the Lower Extremities, and Alimentary Troubles.

The following changes have been made in the Medical Staff during the year:—

Dr. Waldron, arrived November 25th, 1895; left January 22nd, 1896.
Dr. Thomson „ January 20th, 1896; „ May 15th, 1896.
Dr. Part „ May 13th, 1896; „ October 31st, 1896.
Dr. Lyons „ November 1st, 1896.

(Signed) P. F. LYONS,

Assistant Colonial Surgeon.

AKUSE, 4th January, 1897.

APPENDIX 9.

REPORT ON THE DISPENSARY AT SALTPOND FOR THE YEAR ENDING 31st DECEMBER, 1896.

I am afraid the major portion of the people in this district do not yet fully appreciate the advantages of European treatment, as in many cases which have recently come under my notice amongst the educated and English-speaking portion of the community the people have still preferred keeping to the traditional remedies of their forefathers.

It is greatly to be deplored that there is not even a small amount of Hospital accommodation at this station, as recently I have had several serious cases come down several days' journey from the interior for Medical treatment, and anxious to come into Hospital, and I have no accommodation for them. Quite recently I had a patient with a compound fracture of both bones below knee; after I had set the limb I could not possibly send the woman away as she had come a long distance, so I had to let her stay; she slept in one corner of my consulting-room.

The number of patients who attended the Dispensary in 1896 was 1,149, this shews an increase of 236 over the previous year. The past year has been a very healthy one amongst the natives, no epidemics of much importance having broken out, unless a few cases of small-pox at Saltpond, at no time were there more than three under treatment in Hospital. At the same time Anamaboe suffered severely, but I think Cape Coast was the centre of infection, as the previous history of nearly all the cases showed the patient had been there some time before he was taken ill.

(Signed) J. ACHESON WILKIN,
Assistant Colonial Surgeon.

APPENDIX 10.

ANNUAL MEDICAL REPORT ON THE DISTRICT OF WINNEBA FOR YEAR ENDING DECEMBER 31st, 1896.

SHORT REPORT ON THE DISPENSARY AT WINNEBA.

The number of new cases treated at Winneba Dispensary was made up as follows:—

First Quarter ...	...	...	...	242
Second „ ...	...	...	...	246
Third „ ...	...	...	...	296
Fourth „ ...	...	...	...	299
Total ...	...	...	...	<u>1,083</u>

The number of old cases treated was 817.

Among the new cases treated, four were Europeans.

Among the old cases treated, seven were Europeans.

The disproportion between the number of old and new cases may be put down to the dislike of the inhabitants to persevere in a course of treatment.

The number of attendances is more than one-third less than averages of the two previous years.

This I consider is accounted for by the absence of a Medical Officer from the station for nine months during the year, and would I think point to the advantage of having a Surgeon permanently in residence.

The Dispensary is clean and in good order, the supply of drugs is amply sufficient for the requirements of the District.

There is a fair supply of Surgical Instruments which are in serviceable condition.

A new Accident Ward and Open Dressing Shed have been lately erected in the same enclosure as the Medical Quarters. The requisite beds, &c., have been applied for.

Invalided and Deaths among Europeans.—One Official died from Syncope, following Bronchial Catarrh. One Official was invalided for Remittent Fever. The non-official Europeans enjoyed good health.

The percentage of Europeans who died was 37·37 per 1,000.

The percentage of Europeans who were invalided was 37·37 per 1,000.

N.B.—If however only Europeans who resided for not less two weeks were reckoned, the above would be increased to 99·99 per 1,000.

The health of Europeans was good during the first and last quarters, and fair in the intervening ones.

The principal diseases during the year among them were Remittent and Intermittent Fevers, and Bronchial Catarrh.

Among the Natives the health has been very good, there has been no serious outbreak among them during the year of any epidemic disease.

There were two isolated cases of Variola which will be mentioned in a separate report.

Chief diseases prevalent were Small Pox, Dysentery, Yaws, Syphilis, Ulcers, Guinea Worm, Craw Craw and Malarial Fevers.

There was one death from Variola.

Forms of Ulcers and Guinea Worm are very prevalent.

The Natives of Winneba have as a rule good health and seem more robust than those in other Districts, it may be worth mentioning that six hundred carriers from this town accompanied the Ashantee Expedition, all of whom returned to the town, no deaths having taken place among them.

The number of prosecutions for offences against sanitation during the year was 259.

The total amount of fines inflicted was £69 12s. 0d.

GENERAL REPORT ON WINNEBA AND OTHER TOWNS IN THE DISTRICT.

Winneba is very clean, and the roads and open spaces are kept free from weeds and rubbish.

It is naturally well situated, being built on gravelly soil and on the slope of a hill, with a good fall to the sea, nor is there any swamp or lagoon in close proximity.

A new concrete drain has been constructed along either side of the main road.

Four new latrines for men have been erected, and two for women would be an advantage.

The Government Cemetery has lately been fenced in and is kept clean, the King's and Native Cemeteries are cleaned periodically, but not as often as advisable.

The beach which was in a filthy condition before the arrival of the late Commissioner, is now free from filth and refuse heaps. The well-water in the town is fair in quality from some of the wells, the others which the Natives have been prohibited from using are being filled up, and fresh ones will be dug.

Appam.—The houses on the hill are too close together, and they are built down almost to the water's edge. On the outskirts there are large refuse heaps, and the streets are overgrown with weeds. The beach is kept fairly clean.

The drinking water is brought from wells about a mile distant from the town—quality indifferent. Three Native Latrines have been constructed at selected sites.

The present tank attached to the Fort is inadequate as regards size, a new one is badly wanted.

Munford.—Clean on the hill, the lower part of the town is kept dirty.

There are large rubbish heaps and collections of filth and excrement on the outskirts.

There is a large quantity of fish dried for export to the interior, the Chief has been advised to have it confined to one portion of the outskirts, and has promised to do so.

It was also recommended to him to dig Native Latrines, and suitable points shewn him. He agreed to do so if he were lent spades, &c., by the Government.

The well water appeared very clear and good, this would account for the few cases of Guinea Worm among the residents.

The Custom House is in need of repair and is in a very insanitary condition.

This town is one of the healthiest in the District.

Berraku.—Berraku is probably the dirtiest of the coast towns, the streets are filthy and narrow, in some places it is difficult to pass between the houses.

The smell from the beach in hot weather is appalling. The Chief was advised to construct Native Latrines, and promised to do so; so far, however, he has not fulfilled his engagement.

The water supply here from the wells is of fair quality.

There is an excellent tank attached to the Fort in which there is always a good supply of rain water.

The death rate among the inhabitants is very high, but it is difficult to arrive at an approximate number.

Since a great many houses have been recently destroyed by fire, it will now be possible to construct wider streets.

I regret that I have not had the time to inspect the other towns of the District, being prevented by my duties as Acting District Commissioner.

(Signed) ADRIAN LOUIS BREEN,

WINNEBA,

Assistant Colonial Surgeon.

January 22nd, 1897.

APPENDIX 11.

REPORT ON THE LUNATIC ASYLUM FOR THE YEAR ENDED

31st DECEMBER, 1896.

I beg to report for your information, viz. :—

BUILDINGS.—These buildings are at present in very good order throughout, wards, strong rooms, and store; but I would suggest the erection of more strong rooms, and a thorough repair done to the sheds, as in the rains no one can sit under them.

The repairs of the warders' quarters may also be considered.

GENERAL HEALTH.—The health of the patients seems to have been bad during the last year; on the whole there were 21 admissions, 9 discharges and 7 deaths, this mortality can be accounted for by the wretched condition of the health of some of the patients on admission. There was only one desertion of a man belonging to Aburi, and although everything was done to recapture him it proved futile, this was due to the carelessness of the warders and the gateman, as it is clearly proved that the escape was made through the gate.

DIET.—The general quality of the diet supplied was good, and the quantity sufficient for the wants of the patients.

GENERAL CONDUCT.—The conduct of subordinates did not seem satisfactory, the matter is at present under enquiry.

GARDEN.—The garden cultivated by the lunatics yields satisfactory results, European vegetables are chiefly grown, and officials and merchants are supplied on payment of 5s. monthly to the Treasury in advance, and a bi-weekly supply of such products as are in season received.

Flowers have also been cultivated with success in the rainy season, but very hardy plants have thrived in the dry season, the want of water for the greater part of the year proves a great obstacle to the success of the gardens.

WATER PONDS.—I would suggest that the lunatics be assisted in clearing out the water ponds from all rubbish, so that when the rain falls a larger quantity of water can be collected, this could be done by convict labour.

STRONG JACKETS.—I would recommend that strong jackets be supplied (at least a dozen), as the Department is without any, and violent patients are consequently kept the whole time in strong rooms, strong jackets should be put on violent patients for a day or two and they should be kept secluded, in the present instance they are confined for a longer time when violent, and the limited supply of handcuffs and leg-irons is not sufficient.

I have, &c.,

(Signed) P. J. GARLAND,

THE CHIEF MEDICAL OFFICER,
VICTORIABORG.

Superintendent.

APPENDIX 12.

ANNUAL RETURN OF IN-PATIENTS TREATED IN THE ACCRA HOSPITAL FROM 1887 TO 1896.

Year.	Remained.	Admitted.	Daily Average in Hospital.	Discharged.			Deaths.	Remarks.
				Cured.	Relieved.	Not Improved.		
1887	29	394	24.89	297	70	15	3	
1888	18	501	29.23	372	68	43	36	
1889	42	539	36.33	362	134	4	41	
1890	25	468	27.34	347	79	18	22	
1891	27	539	58.67	335	195	24	21	
1892	32	796	40.47	518	197	30	53	
1893	29	730	35.77	467	190	19	46	
1894	37	899	38.75	607	221	21	40	
1895	46	1,171	53.13	906	191	20	56	
1896	45	1,209	56.48	1,014	123	10	64	
	330	7,246	401.06	5,225	1,468	161	382	

MEDICAL DEPARTMENT,
VICTORIABORG, ACCRA,(Signed) W. R. HENDERSON, M.D.,
Acting Chief Medical Officer.

APPENDIX 13.

ANNUAL RETURN OF IN-PATIENTS TREATED IN THE CAPE COAST HOSPITAL FROM 1887 TO 1896.

Year.	Remained.	Admitted.	Daily Average in Hospital.	Discharged.			Deaths.	Remarks.
				Cured.	Relieved.	Not Improved.		
1887	18	299	18.71	217	62	8	21	
1888	19	171	11.02	105	45	9	17	
1889	15	164	12.78	88	34	11	28	
1890	4	127	6.85	70	30	16	11	
1891	4	97	5.98	36	29	8	10	
1892	18	158	15.28	88	51	8	14	
1893	15	146	10.50	83	46	3	18	
1894	13	178	11.74	131	37	2	13	
1895	8	191	12.49	115	61	5	24	
1896	4	403	19.00	270	58	25	68	
	118	1,934	124.35	1,203	453	95	224	

MEDICAL DEPARTMENT,
VICTORIABORG, ACCRA,(Signed) W. R. HENDERSON, M.D.,
Acting Chief Medical Officer.

APPENDIX 14.

ANNUAL RETURN OF IN-PATIENTS TREATED IN THE ELMINA HOSPITAL FROM 1887 TO 1896.

Year.	Remained.	Admitted.	Daily Average in Hospital.	Discharged.			Deaths.	Remarks.
				Cured.	Relieved.	Not Improved.		
1887	22	378	17.16	303	52	6	9	
1888	30	364	19.21	233	113	3	6	
1889	9	333	16.95	236	78	2	19	
1890	7	191	9.8	106	70	6	12	
1891	4	176	9.8	141	5	8	12	
1892	13	277	30.10	234	24	9	4	
1893	19	347	24.23	240	70	14	24	
1894	18	173	11.9	129	31	8	7	
1895	16	193	13.49	112	51	19	9	
1896	18	275	14.49	215	41	25	12	
	156	2,707	164.88	1,949	535	75	114	

MEDICAL DEPARTMENT,
VICTORIABORG, ACCRA,(Signed) W. R. HENDERSON, M.D.,
Acting Chief Medical Officer.

APPENDIX 15.

STATISTICAL RETURN SHEWING ADMISSIONS, DISCHARGES, DEATHS AND CLASSES OF PATIENTS TREATED IN THE LUNATIC ASYLUM, VICTORIABORG, ACCRA,
FROM 1887 TO 1896.

Year.	Admissions.			Discharges.			Average Daily Number.			Total Deaths.	Class of Patients.				Remarks.
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.		Maniacal and Dangerous.	Quiet, Chronic.	Melancholy and Suicidal.	Idiotic, Paralytic, Epileptic.	
1887	14	5	19	1	...	1	8.97	2.83	11.8	2	2	12	3	2	
1888	17	3	20	4	...	4	13.8	4.58	17.66	11	4	25	4	3	
1889	10	3	13	5	2	7	17.44	5.9	22.53	5	5	22	4	2	
1890	12	...	12	3	...	3	17.51	4.7	21.58	7	7	20	1	2	
1891	10	3	13	3	...	3	23.16	4.58	27.74	4	10	13	1	5	
1892	21	2	23	8	...	8	26.35	6.16	32.51	7	13	16	2	2	
1893	8	4	12	5	2	7	27.27	7.81	35.08	2	14	12	6	7	
1894	22	6	28	11	...	11	44.63	16.00	60.63	3	38	10	2	5	
1895	11	4	15	11	1	12	31.00	90.00	121.00	2	...	26.7	5.1	2.6	
1896	12	9	21	6	3	9	39.40	16.00	55.40	7	21	...	12	...	

MEDICAL DEPARTMENT, VICTORIABORG, ACCRA.

(Signed) W. R. HENDERSON, M.D.,
Acting Chief Medical Officer.

APPENDIX 16.

STATEMENT OF EXPENDITURE OF THE MEDICAL DEPARTMENT DURING THE YEAR 1896.

Subhead.	Amount.		
	£	s.	d.
Personal Emoluments	6,573	1	9
Diet and Provisions... ..	1,709	13	1
Medicines and Chemicals	658	1	6
Medical Comforts	135	7	5
Surgical Instruments and Appliances	94	12	9
Medical Appliances and Druggists' Sundries	127	12	9
Bedding and Hospital Equipment... ..	462	0	6
Disinfectants	24	16	10
Fuel and Light	90	8	3
Vaccination Expenses	4	1	3
Expenses of Ice Machine ... ..	...	...	...
Medical Examination of Officers in England ... ..	...	...	...
Uniform	47	5	4
Petty Expenses	1	15	0
Extra Medical Aid	21	2	0
Clerical Assistance	26	7	1
Medical Library at each Station	46	12	6
TOTAL	10,022	18	0

MEDICAL DEPARTMENT,
VICTORIABORG, ACCRA.

(Signed) W. R. HENDERSON, M.D.,
Acting Chief Medical Officer.

APPENDIX 17.

STATEMENT OF EXPENDITURE OF THE SANITARY DEPARTMENT DURING THE YEAR 1896.

Subhead.	Amounts.		
	£	s.	d.
Personal Emoluments	560	0	0
Uniforms	31	16	1
Scavengers and Labourers	2,356	12	4
Upkeep of Latrines... ..	65	4	2
Dustbins, Tools, &c.	8	12	0
Outbreak of Smallpox ... ..	...	...	...
TOTAL	3,022	4	7

MEDICAL DEPARTMENT,
VICTORIABORG, ACCRA.

(Signed) W. R. HENDERSON, M.D.,
Acting Chief Medical Officer.



APPENDIX No. 18.

RETURN SHOWING AMOUNTS COLLECTED FROM PAYING PATIENTS IN THE SEVERAL HOSPITALS OF THE COLONY DURING THE YEAR 1896.

Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Remarks.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
Axim...	0 16 0	...	0 6 0	1 12 0	0 19 0	1 14 0	0 4 0	0 11 0	1 9 0	1 2 0	0 15 0	0 15 0	
Chana	...	...	...	...	...	...	...	...	...	...	...	...
Elmina	...	...	...	0 5 0	...	...	1 7 0	...	...	1 11 0	2 16 0	...	
Cape Coast	2 5 0	...	...	...	...	...	...	...	0 16 0	1 3 0	2 7 0	1 19 6	Summary.
Salpound	...	...	...	...	...	...	...	...	...	...	...	...	Total Amount Collected,
Winneba	...	...	...	...	...	...	...	...	...	...	...	...	1896—
Accra...	5 11 10½	0 5 0	1 2 0	2 2 0	...	1 16 0	0 4 0	4 16 0	0 8 6	0 6 0	...	...	£43 14s. 10d.
Ada	...	...	...	...	...	...	...	...	...	...	...	...
Kwitta	...	...	...	...	...	...	...	...	...	...	...	...
Akuse	...	...	...	...	...	...	...	...	0 10 0	...	...	...
TOTALS	8 12 10½	0 5 0	1 8 0	3 19 0	0 19 0	3 17 0	1 19 3	5 9 7	4 8 4½	4 2 3	5 19 10	2 14 8	

MEDICAL DEPARTMENT,
VICTORIABORG, ACCRA.

(Signed) W. R. HENDERSON, M.D.,
Acting Chief Medical Officer.



