

REPORT
OF THE
DEPARTMENT OF HEALTH
OF THE
PANAMA CANAL
FOR THE
MONTH OF JUNE, 1916

D. C. HOWARD

Lieut. Col. Medical Corps, United States Army,
Chief Health Officer, Balboa Heights, Canal Zone

Gift of the Panama Canal Museum

WASHINGTON

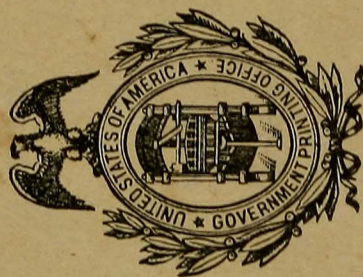
1916

REPORT
OF THE
DEPARTMENT OF HEALTH
OF THE
PANAMA CANAL
FOR THE
MONTH OF JUNE, 1916

D. C. HOWARD

Lieut. Col. Medical Corps, United States Army,
Chief Health Officer, Balboa Heights, Canal Zone

WASHINGTON
1916



CONTENTS.

	Page.
Letter of transmittal.....	5
General remarks.....	5
Vital statistics.....	5
Health of employees.....	5
Health of residents of the Canal Zone.....	6
Health of residents of the city of Panama.....	7
Health of residents of the city of Colon.....	7
Hospital division:	
Ancon Hospital.....	8
Board of health laboratory.....	8
Insane department.....	8
Chronic ward.....	8
Colon Hospital.....	8
Palo Seco Leper Asylum.....	9
Santo Tomas Hospital.....	9
District dispensaries.....	9
Sanitary division:	
Canal Zone.....	9
Panama.....	10
Colon.....	11
Quarantine division:	
Panama.....	11
Colon.....	11
Statistical tables:	
Table I. Admissions, deaths, and noneffective rates for employees; deaths of residents of Panama, Colon, and the Canal Zone ...	12
II. Deaths by age, color, and sex.....	13
III. Deaths by nationality.....	14
IV. Deaths of white Americans.....	15
V. Causes of deaths of employees.....	15
VI. Causes of deaths of civil population (employees and nonem- ployees) and military and places where chargeable.....	16
VII. Admissions and deaths in the hospitals of the Panama Canal...	18
VIII. Consolidated hospital report.....	30
IX. Consolidated dispensary and admission report.....	32
X. Employees: Constantly sick and noneffective rates per 1,000....	33
XI. Employees: Days' treatment per admission, hospital and quar- ters.....	34
XII. Financial statement.....	34
XIII. Ancon Hospital.....	35
XIV. Colon Hospital.....	40
XV. Palo Seco Leper Asylum.....	41
XVI. Santo Tomas Hospital.....	41
XVII. Sanitary work done in Canal Zone, Panama, and Colon.....	44
XVIII. Quarantine transactions.....	46
XIX. Issues of quinine.....	48
XX. Personnel report.....	48

LETTER OF TRANSMITTAL.

THE PANAMA CANAL, CANAL ZONE,
HEALTH DEPARTMENT,
Balboa Heights, Canal Zone, July 10, 1916.

Lieut. Col. CHESTER HARDING,
*Acting Governor, The Panama Canal,
Balboa Heights, Canal Zone.*

SIR: I have the honor to submit the following report of the operations of the department of health for the month of June, 1916.

Very respectfully,

D. C. HOWARD,
Chief Health Officer.

GENERAL REMARKS.

No cases of yellow fever, smallpox, or plague originated on or were brought to the Isthmus during the month.

The last case of smallpox on the Isthmus occurred in a passenger from a steamer arriving at Cristobal on February 3, 1915. The last case of smallpox contracted on the Isthmus was in 1907.

The last case of yellow fever brought to the Isthmus was on December 10, 1915. The last case of yellow fever contracted on the Isthmus occurred in November, 1905.

The last case of bubonic plague brought to the Isthmus was on October 17, 1911. The last case of bubonic plague contracted on the Isthmus occurred in August, 1905.

VITAL STATISTICS.

EMPLOYEES.

The health of the employees remained good during the month. The following statistics are based on the number of names appearing on the rolls for the preceding month, which was 31,501.

The total number of admissions to hospitals and quarters was 756, a rate of 287.99¹ as compared with 285.45 for the preceding month, and 369.87 for the corresponding month of last year.

The total number of deaths from all causes was 20; of these 17 died from disease, giving a death rate of 6.48, as compared with 3.49 for the preceding month and 3.61 for the corresponding period of last year.

¹ All morbidity and mortality rates are computed as equivalent annual per thousand.

The constantly noneffective rate was 9.48, as compared with 8.59 for the preceding month and 10.39 for the corresponding period of last year.

The total admission rate for malaria, hospitals and quarters, was 23.61, as compared with 10.47 for the preceding month and 81.61 for June, 1915. The total noneffective rate was 0.70, as compared with 0.26 for last month, and 1.47 for the month of June last year.

The disease causing the highest admission rates to hospital, in the order of their numerical importance, were: Malaria, diseases of the digestive system, venereal diseases, diseases of the respiratory system, and nonvenereal diseases of the genito-urinary system. These five classes of diseases caused 49 per cent of all admissions to hospital. Fifteen per cent of all admissions to hospitals were caused by malaria.

There were no admissions for typhoid fever during the month of June and none during the previous month. The admission rate for typhoid fever in June, 1915, was 0.33.

EFFECTS OF RACE.

The admission rate to hospital, and the death rate from disease, for black employees, were 83.07 and 7.55, respectively, as compared with 64.95 and 3.63 for last month, and 200.66 and 3.77 for the corresponding month of last year. For white employees, the admission rate to hospital, and the death rate from disease were 261.97 and 0.00, respectively, as compared with 276.13 and 2.58 for the preceding month, and 427.04 and 2.52 for the corresponding period of last year.

The admission rate to hospitals and quarters from malaria was 16.88 per thousand for blacks and 64.15 for whites, as compared with a rate of 8.87 for blacks and 20.64 for whites for last month, and 67.14 for blacks and 199.62 for whites for the corresponding month of last year.

There were no deaths among American employees during the month and none for the month of May; the death rate among Americans for June, 1915, was 2.87. The admission rate to hospitals from disease was 195.03, as compared with 205.06 for last month, and 281.68 for the corresponding period of last year.

DEPORTATIONS.

There were five deportations accomplished during the month, two employees and three nonemployees, all for disease.

CANAL ZONE.

A census of the Canal Zone has just been completed by the police and fire division, and shows a total population of 31,048; this includes all employees, nonemployees, and military garrisons residing or stationed within the Canal Zone limits.

Among this population there was a total of 27 deaths for the month, of which 21 were from disease, giving a rate of 8.12, as compared with 9.45 for the preceding month and 13.15 for the corresponding period of last year.

Of the total deaths from disease the percentage under 5 years of age was 62, as compared with 38 for last month.

There were 48 births reported, giving a rate of 18.55; of these 8 were of white and 40 of colored children.

There were 6 deaths of children under 1 year of age, 2 white and 4 colored, giving an infant mortality rate, based on the number of births reported for the month, of 250 for white and 100 for colored, with a general average of 125. The percentage of stillbirths to total births was 6.

PANAMA CITY.

The population of the city is 60,778, among whom there was a total of 154 deaths; of these 152 deaths were from disease, giving a rate of 30.01, as compared with 26.06 for the preceding month and 32.80 for the corresponding period of last year.

Of the total deaths from disease the percentage under 5 years of age was 53, as against 48 for last month.

The principal causes of death showing an increase as compared with last month were: Diarrhoea and enteritis 44, as compared with 15 for the preceding month; organic disease of the heart 9, as compared with 6 for last month; and colitis 9, as compared with 7 for the month of May.

There were 172 births reported, giving a rate of 33.96. There were 63 deaths under 1 year of age, giving an infant mortality rate, based on the number of births reported for the month, of 336.

The percentage of stillbirths to total births was 11.

COLON.

The population of the city is 24,693, among whom there were 52 deaths; of these 50 deaths were from disease, giving a death rate of 24.30 per thousand, as compared with 24.29 for the preceding month, and 18.41 for the corresponding month of last year.

Of the total deaths from disease the percentage under 5 years of age was 40, as compared with 38 for the preceding month.

The principal causes of death showing an increase as compared with the preceding month were: Bright's disease 8, as compared with 5 for the preceding month; croup 3, as compared with none for last month; and pellagra 2, as against no deaths for the month of May.

There were 73 births reported, giving a rate of 35.47, with an infant mortality rate, based on the number of births reported for the month, of 205.

The percentage of stillbirths to total births was 4.

HOSPITAL DIVISION.

ANCON HOSPITAL.

During the month the average number of patients constantly in hospital was 431.19. The per capita cost of patients in hospital proper was \$2.19 gross and \$1.24 net. The per capita cost of patients in the insane asylum was \$0.52.

Detailed statistics are shown in Table XIII.

INSANE DEPARTMENT.

During the month there were 19 admissions, 5 discharges, and 4 deaths. The admissions included 1 case that had been transferred to Ancon Hospital for surgical treatment.

There were no deportations during the month.

The general health of patients and cripples remains good.

Detailed statistics are shown in Table XIII.

BOARD OF HEALTH LABORATORY.

Mosquitoes sent to the laboratory for identification from the zone were identified as follows:

Anopheline.....	14,778
Albimanus.....	13,808
Tarsimaculata.....	960
Pseudopunctipennis.....	3
Malefactor.....	7
Others.....	34,340
Culex and allied genera.....	8,131
Mansonia.....	25,369
Stegomyia.....	271
Aedes taeniorhynchus.....	521
Deinocerites.....	36
Aedeomyia squamipennis.....	2
Wyeomyia.....	10

CHRONIC WARD.

During the month there was 1 admission, 2 discharges, and 2 transfers, with an average of 27.57 chronic and incurable patients constantly cared for. The cost per patient per day was \$0.22.

Detailed statistics are shown in Table XIII.

COLON HOSPITAL.

The average number of employees constantly sick in hospital was 22.06. The average number of days' treatment per employee was 9.15. The per capita cost of patients per day was \$2.87 gross and \$2.20 net.

Detailed statistics are shown in Table XIV.

PALO SECO LEPER ASYLUM.

The number of patients under treatment at the end of the month was 61. There were 5 admissions, no discharges, and no deaths during the month.

Detailed statistics are shown in Table XV.

SANTO TOMAS HOSPITAL.

During the month a total of 1,345 patients were treated, 3 less than the preceding month.

The daily average of patients in the hospital was 441, as compared with 438 for the preceding month; and the total number of days' treatment was 13,632 as compared with 13,596 for the month of May.

A total of 82 deaths occurred, with organic heart disease, pulmonary tuberculosis, and pneumonia, the chief causes in the order named.

Detailed statistics are shown in Table XVI.

DISTRICT DISPENSARIES.

The dispensary having the highest admission rate for malaria was Gatun with an average weekly percentage of 0.31; that having the lowest was Ancon-Corozal with a percentage of 0.01.

Detailed statistics are shown in Table IX.

SANITATION.

CANAL ZONE.

The rainy season is sufficiently advanced to make it apparent that the permanent work, such as concreting ditches and laying of tile drains in the several districts, is bringing satisfactory results and is greatly reducing the cost of maintenance. The different districts report the lowest mosquito catch on record, and the cases of malaria are fewer than ever before.

Several years ago when the flights of mosquitoes were being studied, an indicator was devised to determine the direction of the flight, which consisted of a frame supporting glass plates placed at right angles to each other and covered with a preparation in which mosquitoes and flies became entangled on coming in contact with the glass. By these indicators many interesting facts concerning the flights of mosquitoes were ascertained. Indicators of this type have been used recently in an effort to determine the source of mosquitoes at Gatun and Colon, but with limited success only; it appears that unless the flight is a very heavy one, the catch on the indicator is likely to be rather evenly distributed and to afford no very definite data.

A large amount of work will be required in the near future to take care of mosquito breeding places which are formed by settling of filled areas, leaving depressions in which water accumulates.

The construction of new buildings, a great many of which are in the process of erection at the present time, also creates problems of surface drainage which are really incident to the construction; though handled by the health department, they are chargeable to sanitation only by courtesy. In most civil communities, these expenses would be a direct charge against the property owner and would be taken care of by him.

The following communicable diseases were reported during the month:

Chicken pox	7
Diphtheria	5
Dysentery	2
Diarrhea	1
Leprosy	1
Malaria fever	59
Measles	5
Paratyphoid fever	1
Trachoma	1
Tuberculosis	6

PANAMA.

The low malaria rate continues, but owing to the heavy rains there has been a slight increase in hospital admissions from this cause over last month, there being 13 as against 11 admissions to both hospitals. Among employees admitted to Ancon there were 3 cases and no deaths, while among nonemployees admitted to Santo Tomas Hospital there were 10 admissions with 2 deaths.

Antimosquito work was vigorously carried on, especially in the outlying parts of the city. At Bella Vista, where there was a great influx of mosquitoes during the early part of the month, under the supervision of this office, the Panama Land & Development Co., owners of this property, had the vegetation removed from all of their lots, approximating 20 acres; and owners of 20 private lots, aggregating 5 acres, also had the vegetation removed from their lots. There are a few lots remaining uncut, which work is now being brought to a close, and the prevalence of mosquitoes has been very materially lessened.

The following infectious diseases have been reported in the city during the month, from all sources.

Typhoid fever	1
Measles	12
Leprosy	2
Chicken pox	21
Tuberculosis, pulmonary	18
Tuberculosis, disseminated	2
Tuberculosis, meningitis	1
Syphilis, intestinal	1
Tetanus	2
Diphtheria	3
Pellagra	4

COLON.

The following infectious diseases have been reported in the city during the month:

Chicken pox.....	2
Diphtheria.....	2
Dysentery.....	1
Leprosy.....	1
Malaria fever.....	24
Measles.....	3
Mumps.....	1
Tuberculosis.....	4

QUARANTINE SERVICE.

The general work of the quarantine division for the month of June has been carried out without special incident. On the Atlantic side the systematic examination of small coastwise sailing vessels, to determine whether they are breeding mosquitoes or not, has resulted in the finding of practically no breeding places. One detained passenger escaped while en route from the ship to the quarantine station, was captured and punished before the magistrate's court. Immigration work on the Atlantic side is considerable, and much cooperation is given by the deputy shipping commissioner in this work. Not infrequently ships request the service of the police for the purpose of preventing desertions, but it is understood that no men are available from the police division for this work.

On the Pacific side one plague suspect was received on a ship from the west coast of South America; the usual microscopic tests proved negative in this case.

Plague is apparently steadily increasing in the ports along the west coast of South America. The occasional reports of this disease in Chilean ports requires our considering all ports in this country north of Valparaiso as infected. The usual seasonal increase of this disease in Guayaquil, Ecuador, has been noted, with an unusually high incidence. During the latter part of May plague appeared in Manta, a small port on the north coast of Ecuador. The appearance of plague in Manta is of special import on account of its proximity to Colombian ports and the fact that it is understood that communication between these ports is free. Plague in Peru appears to be steadily increasing and an unusual number of cases have been reported at Paita. In view of the fact that apparently no eradivative measures are being taken in any of the west coast ports, this disease will, in all probability, make further extensions northward and southward.

The work of cleaning up Buenaventura, Colombia, by Dr. Beverly and Sanitary Inspector Corrigan, has been completed, and these gentlemen have returned to the Isthmus, reporting the absence of yellow fever in the port referred to, and greatly improved sanitary conditions. It appears, however, from their reports that permanent sanitary improvements at Buenaventura have not been installed, and on this account, largely, the port will have to be considered with more or less suspicion.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES; DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE.

ABSOLUTE NUMBERS.

	Number of employees.	Admissions to hospitals.			Deaths.			Noneffect-ive from sickness.	
		Total.	Disease.	External causes.	Total.	Disease.	External causes.	Days treated.	Constantly non-effective.
<i>June, 1916.</i>									
White.....	4,489	117	98	19	0	0	0	2,575	85.82
Colored.....	27,012	258	187	71	20	17	3	6,380	212.66
Total.....	31,501	375	285	90	20	17	3	8,955	298.48
<i>May, 1916.</i>									
White.....	4,650	125	107	18	1	1	0	2,546	82.14
Black.....	29,743	221	161	60	14	9	5	6,921	223.25
Total.....	34,393	346	268	78	15	10	5	9,467	305.39
<i>June, 1915.</i>									
White.....	4,749	169	159	10	2	1	1	3,104	103.45
Black.....	31,815	532	404	128	12	10	2	8,202	276.74
Total.....	36,564	701	563	138	14	11	3	11,306	380.19

PROPORTIONATE NUMBERS.¹

<i>June, 1916.</i>									
White.....	4,489	312.76	261.97	50.79	0.00	0.00	0.00	.....	19.12
Black.....	27,012	114.61	83.07	31.54	8.88	7.55	1.33	.....	7.87
Total.....	31,501	142.81	108.54	34.27	7.62	6.48	1.14	.....	9.48
<i>May, 1916.</i>									
White.....	4,650	322.58	276.13	46.45	2.58	2.58	0.00	.....	17.66
Black.....	29,743	89.16	64.95	24.21	5.68	3.63	2.02	.....	7.51
Total.....	34,393	120.72	93.51	27.21	5.23	3.49	1.74	.....	8.59
<i>June, 1915.</i>									
White.....	4,749	427.04	401.77	25.27	5.05	2.52	2.53	.....	21.78
Black.....	31,815	200.66	152.38	48.28	4.52	3.77	.75	.....	8.70
Total.....	36,564	230.06	184.77	45.29	4.59	3.61	.98	.....	10.39

¹ Annual average per 1,000.

TABLE I.—DEATHS OF RESIDENTS OF THE CITIES OF PANAMA COLON, AND THE CANAL ZONE—Continued.

Place.	Popula- tion.	Deaths.			Annual average per 1,000.		
		Total.	Dis- ease.	Exter- nal causes.	Total.	Dis- ease.	Exter- nal causes.
<i>June, 1916.</i>							
Panama.....	60,778	154	152	2	30.40	30.01	0.39
Colon.....	24,693	52	50	2	25.27	24.30	.97
Canal Zone.....	31,048	27	21	6	10.44	8.12	2.32
Total.....	116,519	233	223	10	24.00	22.97	1.03
<i>May, 1916.</i>							
Panama.....	60,778	138	132	6	27.24	26.06	1.18
Colon.....	24,693	52	50	2	25.27	24.30	.97
Canal Zone.....	33,023	30	26	4	10.90	9.45	1.45
Total.....	118,494	220	208	12	22.28	21.06	1.22
<i>June, 1915.</i>							
Panama.....	60,373	171	165	6	33.99	32.80	1.19
Colon.....	29,331	48	45	3	19.64	18.41	1.23
Canal Zone.....	34,657	41	38	3	14.19	13.15	1.04
Total.....	124,361	260	248	12	25.09	23.93	1.16

TABLE II.—DEATHS BY AGE, COLOR, AND SEX.

	White.			Colored.			Yellow.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Under 1 year.....	9	3	12	42	33	75	1	....	1	52	36	88
1 to 4 years.....	....	1	1	13	12	25	....	....	....	13	13	26
5 to 10 years.....	1	....	1	2	1	3	....	....	....	3	1	4
11 to 20 years.....	1	....	1	5	6	11	....	....	....	6	6	12
21 to 30 years.....	4	....	4	23	14	37	....	....	....	27	14	41
31 to 40 years.....	2	1	3	21	8	29	1	....	1	24	9	33
41 to 50 years.....	....	1	1	10	4	14	....	....	....	10	5	15
51 to 60 years.....	2	....	2	4	1	5	....	....	....	6	1	7
61 to 70 years.....	....	....	....	4	....	4	....	....	....	4	....	4
71 to 80 years.....	....	1	1	1	....	1	....	....	....	1	1	2
81 to 90 years.....	....	1	1	....	....	....	....	....	....	....	1	1
	19	8	27	125	79	204	2	....	2	146	87	233

TABLE III.—DEATHS BY NATIONALITY.

Nations.	Employees.	Nonem- ployees.	Total.
Antigua.....	1	.....	1
Barbados.....	7	35	42
Colombia.....	2	16	18
China.....	.....	1	1
Canary Islands.....	1	.....	1
France.....	.....	1	1
Fortune Islands.....	.....	1	1
Granada.....	.....	2	2
Greece.....	.....	1	1
Guadaloupe.....	.....	1	1
Haiti.....	.....	1	1
Inglaterra.....	.....	1	1
Italy.....	.....	1	1
Jamaica.....	8	56	64
Japan.....	.....	1	1
Martinique.....	.....	6	6
Mexico.....	.....	1	1
Montserrat.....	.....	2	2
Nassau.....	.....	1	1
Panama.....	.....	69	69
Peru.....	.....	1	1
Russia.....	.....	1	1
St. Lucia.....	.....	4	4
St. Vincent.....	.....	1	1
Spain.....	.....	1	1
Trinidad.....	.....	3	3
United States.....	1	4	5
Venezuela.....	.....	1	1
Total.....	20	213	233

TABLE IV.—DEATH RATE AMONG AMERICANS ON THE ISTHMUS
CONNECTED WITH THE PANAMA CANAL.

	Number of deaths.	Annual average per 1,000.
White employees from the United States (4,184):		
Disease.....		
External causes.....		
Total.....		
White women and children from the United States (3,444):		
Disease.....	2	6.97
External causes.....		
Total.....	2	6.97
White employees and their families from the United States (7,628):		
Disease.....	2	3.15
External causes.....		
Total.....	2	3.15
Total number of Americans on the Canal Zone, including soldiers, and their families (15,427):		
Disease.....	4	3.11
External causes.....	1	.78
Total.....	5	3.89

TABLE V.—CAUSES OF DEATHS OF EMPLOYEES OF THE PANAMA
CANAL AND PANAMA RAILROAD CO.

Causes of death.	White.	Colored.	Total.
<i>Disease.</i>			
Chronic nephritis.....		4	4
Lobar pneumonia.....		4	4
Pulmonary tuberculosis.....		2	2
Abdominal tuberculosis.....		1	1
Disseminated tuberculosis.....		1	1
Carbuncle.....		1	1
Uremia.....		1	1
Cardiac disease.....		1	1
Hemorrhage of the brain.....		1	1
Dysentery, unclassified.....		1	1
<i>External causes.</i>			
Electrocution.....		1	1
Dynamite traumatism.....		1	1
Internal hemorrhage from stab wound.....		1	1
Total.....		20	20

TABLE VI.—CAUSES OF DEATHS OF CIVIL POPULATION (EMPLOYEES AND NONEMPLOYEES) AND MILITARY AND PLACES WHERE CHARGEABLE.

Disease.	Pana- ma.	Colon.	Canal Zone.	Total.
<i>General diseases.</i>				
Typhoid fever.....	2	.....	1	3
Malarial fever, estivoautumnal.....	1	1	.....	2
Malarial fever, tertian.....	.....	.....	1	1
Malarial fever, undetermined.....	.....	1	.....	1
Malarial fever, cachexia.....	1	.....	.....	1
Varioloid.....	1	.....	.....	1
Croup.....	.....	3	.....	3
Dysentery, unclassified.....	.....	1	.....	1
Septicemia.....	1	.....	.....	1
Tetanus.....	1	.....	.....	1
pellagra.....	2	2	.....	4
Tuberculosis of the lungs.....	15	3	2	20
Tuberculous meningitis.....	1	.....	.....	1
Abdominal tuberculosis.....	1	1	.....	2
Tuberculosis of other organs.....	1	.....	.....	1
Disseminated tuberculosis.....	2	1	1	4
Syphilis, period not stated.....	1	.....	.....	1
Cancer and other malignant tumors of the buccal cavity.....	.....	1	.....	1
<i>Diseases of the nervous system and of the organs of special sense.</i>				
Pneumococcus meningitis.....	.....	.....	1	1
Cerebral hemorrhage, apoplexy.....	.....	1	.....	1
General paralysis of the insane.....	1	.....	.....	1
Other diseases of the nervous system.....	1	.....	.....	1
Diseases of the ears.....	1	.....	.....	1
<i>Diseases of the circulatory system.</i>				
Pericarditis.....	.....	1	.....	1
Acute endocarditis.....	1	.....	.....	1
Organic disease of the heart.....	9	3	1	13
Diseases of the arteries, atheroma, aneurysm.....	1	.....	.....	1
Acute bronchitis.....	3	3	.....	6
Chronic bronchitis.....	1	1	.....	2
Broncho-pneumonia.....	9	2	2	13
Pneumonia, unqualified.....	1	.....	.....	1
Lobar pneumonia.....	7	3	2	12
Pulmonary congestion, pulmonary apoplexy.....	2	.....	.....	2
Other diseases of the respiratory system, tuber- culosis excepted.....	2	.....	.....	2
<i>Diseases of the digestive system.</i>				
Diarrhea and enteritis (under 2 years).....	44	1	2	47
Colitis.....	9	.....	2	11
Diarrhea and enteritis (over 2 years).....	1	2	2	5
Chronic appendicitis.....	.....	.....	1	1
Other diseases of the intestines.....	1	.....	.....	1
Cirrhosis of liver.....	3	.....	.....	3
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>				
Acute nephritis.....	5	1	1	7
Bright's disease (chronic nephritis).....	6	8	.....	14

TABLE VI.—CAUSES OF DEATHS OF CIVIL POPULATION (EMPLOYEES AND NONEMPLOYEES) AND MILITARY AND PLACES WHERE CHARGEABLE—Continued.

Disease.	Pana- ma.	Colon.	Canal Zone.	Total.
<i>The puerperal state.</i>				
Other accidents of labor.....	1			1
Puerperal septicemia.....		1		1
Puerperal albuminuria and convulsions.....	1			1
<i>Diseases of the skin and cellular tissue.</i>				
Carbuncle.....		1		1
<i>Diseases of early infancy.</i>				
Premature birth.....	4		1	5
Congenital debility.....	1	2		3
Malnutrition.....	5	2		7
<i>Affections produced by external causes.</i>				
Suicide by poisoning.....		1		1
Accidental drowning.....			1	1
Traumatism by firearms.....	1		1	2
Traumatism by fall.....	1			1
Dynamite traumatism.....			1	1
Electricity (lightning excepted).....			1	1
Homicide by firearms.....		1	1	2
Homicide by cutting or piercing instruments.....			1	1
<i>Ill-defined diseases.</i>				
Cause of death not specified or ill defined.....	2	4		6
Infections of undetermined origin.....			1	1
Total.....	154	52	27	233
Stillbirths.....	21	3	3	27
Grand total.....	175	55	30	260

DEATHS OF NONRESIDENTS.¹

Residence.	Nationality.	Color.	Sex.	Age.	Diagnosis.
Interior of Panama.	Martinique..	Black...	Female..	22	Organic heart dis- ease.
Do.....	Panaman.....	do.....	Male.....	27	Lobar pneumonia.
Do.....	do.....	do.....	do.....	40	Acute gastro-intes- tinal autointoxi- cation.
Do.....	do.....	do.....	Female..	36	Syphilis, period not stated.
SS. Newport (sea- man).	Chilean.....	White...	Male.....	40	Pyemia and sep- ticemia.
Interior of Panama.	Panaman.....	Black...	Female..	8	Estivoautumnal malaria.

¹ Deaths of nonresidents are not included in the statistical charts relating to the cities of Panama and Colon or of the Canal Zone.

TABLE VII.—ADMISSIONS AND DEATHS IN

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>General diseases.</i>												
Typhoid fever.....									1			1
Relapsing fever.....		1										
Malarial fever, estivo-autumnal.....	6	2	20				15	3	10			
Malarial fever, tertian.....	1	1	10				7	2	1			
Malarial fever, quartan.....		1										
Malarial fever, clinical.....	1		3				3		2			
Measles.....		1	1				1	1	3			
Whooping cough.....									1			
Diphtheria and croup.....								2	1			
Influenza.....	4		7				2	1				
Miliary fever.....												
Dysentery.....			1									
Dysentery, entamebic.....			1					1				
Leprosy.....			1						2			
Chicken pox.....		1	6					2				
Yaws.....								1				
Septicemia.....												1
Pellagra.....												
Tuberculosis of the lungs.....	2	1	2			2			6			2
Abdominal tuberculosis.....						1						
Pott's disease.....								1				
Tuberculosis of bones and joints.....			1						1			
Disseminated tuberculosis.....						3						
Syphilis, primary.....		1	2				2		1			
Syphilis, secondary.....		1					9	1				
Syphilis, tertiary.....		1	8				4		1			
Syphilis, hereditary.....									1			
Syphilis, period not stated.....			3				5		1			
Gonorrhea.....	2	1	6				8	1				
Gonorrheal orchitis and epididymitis.....			2				2					
Soft chancre.....	2		2				4	2	1			
Adenitis chancroidal.....		1							2			
Cancer and other malignant tumors of the stomach and liver.....	1											
Cancer and other malignant tumors of the peritoneum, intestines, and rectum.....			2									
Other tumors (tumors of the female genital organs excepted).....									1			

TABLE VII.—ADMISSIONS AND DEATHS IN THE

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>General diseases—Contd.</i>												
Diabetes.....	1											
Anemia, secondary, cause not determined.....			1					1				
Alcoholism, acute.....							2	1				
Alcoholism, chronic.....	1											
Alcoholic psychosis.....							1					
<i>Diseases of the nervous system and of the organs of special sense.</i>												
Pneumococcus meningitis.....									1			1
Cerebral hemorrhage, apoplexy.....								1				
Paralysis without specified cause.....								1	1			
General paralysis of the insane.....								1				1
Other forms of mental alienation.....			2				2	2	3			
Dementia precox.....			1				3		3			
Epilepsy.....									1			
Chorea.....								1				
Hysteria.....									1			
Neuritis.....							2	3				
Other diseases of the nervous system.....			2						1			1
Tumor of the brain.....									1			
Neurasthenia.....	1						6					
Diseases of the eyes and their annexa.....	3		6				6	2	2			
Diseases of the ears.....							3	1	2			
<i>Diseases of the circulatory system.</i>												
Organic diseases of the heart.....			2			1		1				
Arteriosclerosis.....								1				
Embolism and thrombosis.....								1			1	
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.).....			1									
Hemorrhoids.....	1		2				1	1				

TABLE VII.—ADMISSIONS AND DEATHS IN THE

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of the circulatory system—Continued.</i>												
Varicocele.....							4					
Phlebitis.....			1									
Lymphadenitis (nonvenereal).....	1		4				2	1	1			
<i>Diseases of the respiratory system.</i>												
Diseases of the nasal fossæ.....	1						5	1				
Adenoid vegetations.....									1			
Diseases of the thyroid body.....								1				
Acute bronchitis.....	4	1	2				3	4				
Chronic bronchitis.....												
Broncho-pneumonia.....												
Pneumonia (unqualified).....			1									
Lobar pneumonia.....		2				3		1				1
Pleurisy.....			3				1		1			
Pulmonary congestion, pulmonary apoplexy.....								1				
Asthma.....												
<i>Diseases of the digestive system.</i>												
Diseases of the mouth and annexa.....			1									
Diseases of the teeth and gums.....								1				
Stomatitis.....								2				
Diseases of the pharynx.....	2		2				1	5	4			
Pharyngitis.....							1					
Follicular tonsillitis.....	2	2	1				1	3	5			
Ulcer of the stomach.....			1				1			1		
Other diseases of the stomach (cancer excepted).....							1					
Acute gastritis.....									2			
Acute indigestion.....								1				
Diarrhea and enteritis (under 2 years).....								3	3		2	2
Colitis.....			1									
Diarrhea and enteritis (2 years and over).....			1						4			

TABLE VII.—ADMISSIONS AND DEATHS IN THE

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of the digestive system—Continued.</i>												
Colitis.....	1		2						3			1
Intestinal parasites.....		1						1				
Teniasis.....												
Appendicitis and typhlitis.....								1	1			
Acute appendicitis.....	2	1					5					
Chronic appendicitis.....	2						2	1		1		
Inguinal hernia.....	1		4				1		1			
Other diseases of the intestines.....	1		2				3		1			
Constipation.....			1				1	1	1			
Cirrhosis of the liver.....								1				
Biliary calculi.....								1				
Other diseases of the liver.....							1					
Cholecystitis.....	1											
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>												
Acute nephritis.....							1					
Bright's disease (chronic nephritis).....			8			3		1	2			
Other diseases of the kidney and annexa.....	1							1				
Calculi of the urinary passages.....	1		1					1				
Cystitis.....	1						1	1	1			
Diseases of the urethra, urinary abscess, etc.....			1				1					
Stricture of the urethra, nonvenereal.....												
Acute prostatitis.....												
Nonvenereal diseases of the male genital organs.....			1									
Uterine tumor (noncancerous).....			1					1	5			
Other diseases of the uterus.....	1								4			
Metritis.....									2			
Cysts and other tumors of the ovary.....								2				
Salpingitis and other diseases of the female genital organs.....								1	6			

TABLE VII.—ADMISSIONS AND DEATHS IN THE

Diseases:	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Nonvenereal diseases of the genito-urinary system and annera—Continued.</i>												
Nonpuerperal diseases of the breast (cancer excepted).....								1				
Benign tumor of breast.....									1			
<i>The puerperal state.</i>												
Normal labor.....								10	2			
Accidents of pregnancy.....	1							4	1			
Hyperemesis gravidarum.....								1				
Abortion.....								1				
Other accidents of labor.....								1				
Puerperal albuminuria and convulsions.....									1			1
Following childbirth (not otherwise defined).....									1			
<i>Diseases of the skin and of the cellular tissue.</i>												
Gangrene.....								1				
Furuncle.....	1							1				
Acute abscess.....		2	3					2	2			
Phlegmon and cellulitis.....	1	1	1				1	1	2			
Dhobie itch.....									2			
Ulcer of the skin.....								1				
Urticaria.....								1				
Ingrowing nail.....								1				
Other diseases of the skin and annexa.....	1						4	1				
<i>Diseases of the bones and of the organs of locomotion.</i>												
Diseases of the bones (tuberculosis excepted).....	2		4					1	2			
Mastoid abscess.....									1			
Osteomyelitis.....									1			
Periostitis.....			1									
Arthritis.....			2						1			
Synovitis.....	1							2				

TABLE VII.—ADMISSIONS AND DEATHS IN THE

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of the bones and of the organs of locomotion—Continued.</i>												
Other diseases of the organs of locomotion			2				1					
<i>Diseases of early infancy.</i>												
Newborn child								11	5			
<i>Affections produced by external causes.</i>												
Poisoning by food	1		2									
Other acute poisonings	1						1					
Burns (conflagration excepted)	2		4						1			
Traumatism by firearms			1				2			1		
Traumatism by cutting or piercing instruments		1	8				2					
Traumatism by fall			5				3		1			1
Traumatism by machines	1		3									
Traumatism by other crushings (vehicles, railroads, landslides, etc.)	1	3	9						2			
Dynamite traumatism			1			1						
Fractures (cause not specified)	3		1					2	3			
Dislocations												
Sprains	1						1					
Other external violence	3	1	17				5	1	3			
<i>Ill-defined diseases.</i>												
Ill-defined organic disease							1					
Infections of undetermined origin			2					1				
No disease			1					4	6			
Total	68	27	202	0	0	14	145	123	138	3	3	13

HOSPITALS OF THE PANAMA CANAL—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
							1							2				1	1				
							1											12	5				
1								2				2		2									
								2				1						1		2			
		1										2		5						1			
							1							1				2		1	1		
		2					1	3				1	10					2	1	3			
		3			1								8				1	3		1			1
		4					2					1		7					2				
		8						2				1	3	17						4			
														1				1					
												3		1					2	3			
		1												1									
		1					1					1		1				1		1			
												3	1	17				5	1	3			
																			1				
														2				1					
		2					1	2						3				5	8				
14	8	56			5	3	30	24				82	35	258			19	148	153	162	3	3	13

TABLE VIII.—CONSOLIDATED

A=white Americans; F=white

	Remaining June 1.			Admitted.			Died.		
	A.	F.	B.	A.	F.	B.	A.	F.	B.
ANCON HOSPITAL.									
Panama Canal employees.....	26	15	113	60	20	142	.....	.....	9
Panama Railroad employees.....	1	5	49	8	6	57	.....	.....	5
Panama pay patients.....			1				.....	.....	
Other pay patients.....	98	39	55	212	27	91	5	1	8
Charity patients.....		5	24	16	4	39	.....	.....	1
Total.....	125	64	242	296	57	329	5	1	23
<i>Insane department.</i>									
Panama Canal employees.....		4	10		1		.....	.....	
Panama Railroad employees.....			2			3	.....	.....	
Panama pay patients.....	2	28	172		3	6	.....	.....	2
Other pay patients.....		2	4	5	1		.....	.....	1
Charity patients.....	4	5	48			2	.....	.....	1
Total.....	6	39	236	5	5	11	.....	.....	4
Grand total.....	131	103	478	301	62	340	5	1	27
COROZAL FARM.									
Panama Canal employees.....		10	48			2	.....	.....	
<i>Chronic ward.</i>									
Charity patients.....			31			1	.....	.....	
COLON HOSPITAL.									
Panama Canal employees.....	2	2	2	12	5	19	.....	.....	1
Panama Railroad employees.....	1	4	13	2	3	37	.....	.....	4
Panama pay patients.....				1	1	12	.....	.....	
Other pay patients.....	4	5	2	17	10	6	.....	.....	
Charity patients.....	1			3	1	6	.....	.....	
Total.....	8	11	17	35	20	80	.....	.....	5
PALO SECO LEPER ASYLUM.									
Panama Canal employees.....			2			1	.....	.....	
Panama Railroad employees.....							.....	.....	
Panama pay patients.....		2	26			1	.....	.....	
Charity patients.....		2	18			3	.....	.....	
Total.....		4	56			5	.....	.....	
GRAND TOTAL.									
Panama Canal employees.....	28	31	175	72	26	164	.....	.....	10
Panama Railroad employees.....	2	9	64	10	9	97	.....	.....	9
Panama pay patients.....	2	28	173	1	4	19	.....	.....	2
Other pay patients.....	102	48	97	234	38	97	5	1	9
Charity patients.....	5	12	121	19	5	51	.....	.....	2
Total.....	139	128	630	336	82	428	5	1	32

Number of employees remaining in hospitals:

White.....	65
Black.....	248

Total.....	313
------------	-----

HOSPITAL REPORT.

foreigners; B=blacks.

Discharged.			Transferred.			Remaining June 30.			Average number constantly sick.			
A.	F.	A.	B.	F.	B.	A.	F.	B.	White.		Black.	Total.
									American.	Foreign.		
71	18	127	.....	.....	1	15	17	118	22.37	17.97	119.56	159.90
7	4	43	.....	.....	3	2	7	55	3.43	6.47	44.23	54.13
195	36	89	4	1	.....	106	28	49	107.53	28.07	51.63	187.23
11	7	24	.....	.....	3	5	2	35	4.17	.90	23.86	28.93
284	65	283	4	1	7	128	54	258	137.50	53.41	240.28	431.19
.....	.....	.....	.....	.....	.....	.....	5	10	.....	4.03	10.00	14.03
.....	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	3.40	3.40
.....	.....	3	.....	.....	.....	2	31	172	2.00	29.13	171.04	202.17
.....	.....	3	.....	.....	.....	5	3	1	2.90	2.27	3.30	8.47
.....	.....	1	.....	.....	.....	4	5	48	4.00	5.00	48.13	57.13
.....	.....	7	.....	.....	.....	11	44	236	8.90	40.43	235.87	285.20
284	65	290	.....	.....	.....	139	98	494	146.40	93.83	476.17	716.40
.....	.....	6	.....	.....	.....	.....	10	44	.....	10.00	45.77	55.77
.....	.....	2	.....	.....	2	.....	.....	28	.....	.....	27.57	27.57
7	4	15	2	1	3	5	2	2	2.83	2.16	.84	8.83
2	5	27	.....	1	8	1	1	11	.20	3.20	9.83	13.23
.....	.....	1	1	.....	11	.....	1	.....	.03	.03	.40	.46
10	10	3	6	3	2	5	2	3	4.26	4.86	1.31	10.43
2	1	5	2	.....	1	.....	.....	.....	.50	.03	.50	1.03
21	20	51	11	5	25	11	6	16	7.82	10.28	15.88	33.98
.....	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	2.23	2.23
.....	.....	.....	.....	.....	.....	.....	2	37	.....	2.00	36.80	38.80
.....	.....	.....	.....	.....	.....	.....	2	21	.....	2.00	18.50	20.50
.....	.....	.....	.....	.....	.....	.....	4	61	.....	4.00	57.53	61.53
78	22	148	2	1	4	20	34	177	25.20	34.16	181.40	240.76
9	9	70	.....	1	11	3	8	71	3.63	9.67	57.46	70.76
.....	.....	4	1	.....	11	2	34	210	2.03	31.16	209.24	252.43
205	46	95	10	4	2	116	33	53	114.69	35.20	56.24	206.13
13	8	32	2	.....	6	9	9	132	8.67	7.93	118.56	135.16
305	85	349	15	6	34	150	118	643	154.22	118.12	622.90	895.24

TABLE IX.—CONSOLIDATED DISPENSARY REPORT.

EMPLOYEES TREATED IN QUARTERS.

	Remain- ing June 1.		Ad- mitted.		Died.		Dis- charged.		Trans- ferred.		Remain- ing June 31.		Days lost.		
	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	Total.
Ancon.....			109				107		2				180		180
Balboa.....	1	2	72	27			69	16	1	13	3		167	52	219
P e d r o Miguel.....	2		17				18		1				58		58
Paraiso.....	1		23	4			23	4			1		49	13	62
Gamboa.....			2	3				1	1	2	1		2	2	4
Gatun.....		1	12	7			10	7			2	1	51	18	69
Colon.....	8	22	81	62			83	67			6	17	235	491	726
Total....	12	25	316	103			310	95	5	15	13	18	742	576	1,318

ALL CASES TREATED BUT NOT EXCUSED.

	Employees.			Nonemployees.			Total.		
	White.	Black.	Total.	White.	Black.	Total.	White.	Black.	Total.
Ancon.....	2,592	3,541	6,133	1,856	2,360	4,226	4,458	5,901	10,359
Balboa.....	3,314	3,757	7,071	888	823	1,711	4,202	4,580	8,782
Pedro Miguel.....	741	882	1,623	640	366	1,006	1,381	1,248	2,629
Paraiso.....	980	2,933	3,913	678	945	1,623	1,658	3,878	5,536
Gamboa.....	44	229	273	46	403	449	90	632	722
Gatun.....	519	1,395	1,914	775	1,403	2,178	1,294	2,798	4,092
Colon.....	1,148	2,764	3,912	619	771	1,390	1,767	3,535	5,302
Total.....	9,338	15,501	24,839	5,512	7,071	12,583	14,850	22,572	37,422

CONSOLIDATED ADMISSIONS REPORT.

	White.	Black.	Total.
Total admissions to hospitals, excluding Corozal farm and chronic ward.....	418	425	843
Total admissions of employees to quarters.....	316	103	419
Totals.....	734	528	1,262
Less number of patients transferred between hospitals, and from quarters to hospitals, whose admissions are duplicated in above figures.....	26	49	75
Net admissions to hospitals and quarters.....	708	479	1,187
Net admissions of employees to hospitals and quarters.....	424	332	756
Annual average per thousand of admissions of employees to hospitals and quarters.....	1,133.44	147.49	287.99

TABLE IX.—CONSOLIDATED DISPENSARY REPORT—Continued.

CONTAGIOUS AND INFECTIOUS DISEASES REPORTED.

Disease.	Pan-ama.	Colon.	Canal Zone.	Total.
Chicken pox	19	2	7	28
Diphtheria	3	2	5	10
Dysentery		1	2	3
Diarrhea			1	1
Leprosy	2	1	1	4
Malarial fever	13	24	59	96
Measles	9	3	5	17
Mumps		1		1
Para typhoid fever			1	1
Pellagra	3			3
Syphilis	1			1
Tetanus	2			2
Trachoma			1	1
Typhoid fever	2			2
Tuberculosis	8	4	6	18

TABLE X.—NUMBER OF EMPLOYEES CONSTANTLY SICK IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital	54.27	177.19	231.46
Colon Hospital	8.39	13.67	22.06
Palo Seco Leper Asylum		2.23	2.23
Total	62.66	193.09	255.75
Quarters:			
Ancon	6.00		6.00
Balboa	5.57	1.73	7.30
Pedro Miguel	1.92		1.92
Paraiso	.07	.77	.84
Gamboa	.07	.10	.17
Gatun	1.70	.60	2.30
Colon	7.83	16.37	24.20
Total	23.16	19.57	42.73
	Hospitals.	Quarters.	Totals.
Average number of employees constantly sick:			
White	62.66	23.16	85.82
Colored	193.09	19.57	212.66
Total	255.75	42.73	298.48
Average number of employees constantly sick per thousand:			
White	13.96	5.16	19.12
Colored	7.15	.72	7.87
Total	8.12	1.36	9.48

TABLE XI.—AVERAGE LENGTH OF STAY IN HOSPITALS OR QUARTERS FOR EACH ADMISSION OF SICK EMPLOYEE.

	White.	Black.	Total.
Hospitals:			
Ancon Hospital.....	12.12	16.65	15.49
Colon Hospital.....	8.45	9.41	9.15
Palo Seco.....	0.00	22.00	22.00
Quarters:			
Ancon.....	1.65	0.00	1.65
Balboa.....	2.33	1.97	2.22
Pedro Miguel.....	3.19	0.00	3.19
Paraiso.....	2.35	3.25	2.48
Gamboa.....	1.00	.75	.85
Gatun.....	5.10	2.71	4.12
Colon.....	3.02	10.95	6.57

TABLE XII.—FINANCIAL STATEMENT.

	May, 1916.	Apr., 1916.	May, 1915.
Administration: Chief health office.....	\$695.35	\$357.97	\$1,057.79
Hospital Division:			
Ancon Hospital.....	26,744.97	24,322.83	26,951.22
Board of Health Laboratory.....	1,875.32	1,534.14	1,608.62
Corozal farm.....	5,586.15	5,831.07	6,015.26
Chronic ward.....	249.61	236.34	284.97
Colon Hospital.....	4,494.36	3,845.21	3,414.77
Palo Seco Leper Asylum.....	1,708.31	1,572.57	2,076.56
Santo Tomas Hospital.....	785.83	867.62	922.54
Medical storehouse.....	1,762.73	1,582.84	916.99
Depreciation.....	823.94	783.19	.....
	44,031.22	40,596.81	42,190.93
District dentists.....	.....	65.64	.....
Dispensaries:			
Noas Island.....	.....	.....	191.33
Balboa.....	1,181.66	1,298.87	1,278.55
Corozal.....	.....	.....	645.37
Pedro Miguel.....	446.33	478.00	542.72
Paraiso.....	594.02	662.64	584.12
Culebra.....	.....	.....	23.77
Gamboa.....	215.88	162.99	148.02
Gatun.....	692.69	956.44	613.38
Toro Point.....	.....	29.09	28.80
	3,130.58	3,653.67	4,062.86
Sanitary Division:			
General inspector.....	50.00	50.00	50.00
Health office, Panama.....	3,605.57	3,241.08	3,694.70
Street cleaning.....	3,909.94	3,879.13	4,117.21
Health office, Colon.....	3,292.49	2,682.77	3,015.64
Street cleaning.....	1,711.72	2,156.00	2,047.71
Zone sanitation—			
Ancon.....	1,417.51	1,196.21	1,598.82
Balboa.....	1,138.11	2,724.94	1,728.42
Corozal.....	2,094.87	1,025.56	1,030.92
Pedro Miguel.....	2,341.01	2,737.04	4,148.53
Culebra.....	.....	.....	216.29

TABLE XII.—FINANCIAL STATEMENT—Continued.

	May, 1916.	Apr., 1916.	May, 1915.
Sanitary division—Continued.			
Zone sanitation—Continued.			
Frijoles.....	\$62. 70	\$69. 76	\$67. 88
Gatun.....	3, 770. 25	5, 250. 44	1, 206. 30
Cristobal-Mt. Hope.....	2, 017. 85	1, 424. 07	1, 561. 16
	25, 412. 02	26, 440. 00	24, 483. 63
Quarantine Division:			
Chief quarantine office.....		38. 66	221. 20
Balboa-Panama.....	1, 922. 03	1, 826. 35	2, 121. 15
Colon-Cristobal.....	3, 022. 05	3, 031. 18	2, 884. 37
	4, 944. 08	4, 896. 19	5, 226. 72
RECAPITULATION.			
Chief health office.....	695. 35	357. 97	1, 057. 79
Hospital division.....	44, 031. 22	40, 596. 81	42, 190. 93
Dispensaries.....	3, 130. 58	3, 653. 67	4, 062. 86
Sanitary division.....	25, 412. 02	26, 440. 00	24, 483. 63
Quarantine division.....	4, 944. 08	4, 896. 19	5, 226. 72
	78, 213. 25	75, 944. 64	77, 021. 93

TABLE XIII.—ANCON HOSPITAL.

REPORT OF NATIONALITY OF PATIENTS TREATED.

	Total number treated.	American.		Other nations.	
		White.	Black.	White.	Black.
Hospital:					
Panama Canal employees.....	376	86	.....	35	255
Panama Railroad employees.....	126	9	.....	11	106
Panama Government employees.....	1	.....	.....	.....	1
Other pay patients.....	522	308	2	66	146
Charity patients.....	88	16	.....	9	63
Total.....	1, 113	419	2	121	571
Asylum:					
Panama Canal employees.....	15	.....	.....	5	10
Panama Railroad employees.....	5	.....	.....	.....	5
Panama Government pay pa- tients.....	211	.....	2	31	178
Other pay patients.....	12	5	.....	3	4
Charity patients.....	59	4	.....	5	50
Total.....	302	9	2	44	247
Grand total.....	1, 415	428	4	165	818
Soldiers.....	208	208	.....	.....	.....
Chronics.....	32	.....	.....	.....	32
Farm (cripples).....	60	.....	.....	10	50

TABLE XIII.—ANCON HOSPITAL—Continued.

REPORT OF DAYS LOST IN HOSPITAL.

	Total.	Ameri- can.	Other white.	Black.
Hospital:				
Panama Canal employees.....	4,797	671	539	3,587
Panama Railroad employees.....	1,624	103	194	1,327
Panama Government pay patients..	30			30
Other pay patients.....	5,617	3,226	842	1,549
Charity patients.....	868	125	27	716
Total.....	12,936	4,125	1,602	7,209
Asylum:				
Panama Canal employees.....	421		121	300
Panama Railroad employees.....	102			102
Panama Government pay patients..	6,065	60	874	5,131
Other pay patients.....	254	87	68	99
Charity patients.....	1,714	120	150	1,444
Total.....	8,556	267	1,213	7,076
Grand total.....	21,492	4,392	2,815	14,285
Soldiers.....	2,212	2,212		
Chronics.....	887			887
Farm (cripples).....	1,673		300	1,373

Average cost per subsistence per day, \$0.2125.

WARD LABORATORY REPORT.

Blood examinations, total number.....	614
Estivoautumnal	67
Quartan.....	2
Tertian.....	24
Filaria.....	1
Relapsing fever.....	2
Differential counts.....	21
Hemoglobin estimations	71
Leucocyte counts.....	73
Red-blood counts.....	6
Stool examinations, total number.....	458
Ameba.....	1
Ascaris lumbricoides.....	11
Cercomonas intestinalis.....	2
Ciliated monads	16
Entameba (hystolitica and tetragena).....	2
Guaiac tests.....	37
Pus and blood.....	63
Stronglodes.....	13
Tricocephalus dispar.....	19
Uncinaria (ova).....	19
Uncinaria (parasites).....	2
Urine examinations, total number.....	1,378
Albumen.....	331
Albumen, estimated quantitative.....	7
Bile.....	74
Casts.....	282
Ciliated monads.....	10
Epitholia.....	672
Guaiac tests.....	17

TABLE XIII.—ANCON HOSPITAL—Continued.

WARD LABORATORY REPORT—Continued.

Urine examinations—Continued.

Acetone.....	30
Indicon.....	54
Pus and blood.....	353
Sugar, positive 5, negative 158.....	163
Sputum examinations, total number.....	199
Positive for tubercle bacilli.....	15
Smear examinations, total number.....	10
Urethral.....	15
Nasal.....	1
Eye.....	1
Urine.....	2
Vomits.....	1

REPORT OF SURGICAL OPERATIONS.

	Number.	Died.
Operations on bones:		
Craniectomy, decompressive.....	1	.....
Ostectomy.....	1	.....
Wiring of fractures, simple.....	1	.....
Wiring of fractures, compound.....	4	.....
Bone transplant.....	1	.....
Adenectomy:		
Inguinal, single.....	11	.....
Femoral.....	2	.....
Herniotomy:		
Inguinal, single.....	3	.....
Genito-urinary tract:		
Urethrotomy, internal.....	3	.....
Urethrotomy, external.....	3	.....
Varicocele, radical cure.....	3	.....
Hydrococele, single, radical cure.....	2	.....
Epididymotomy.....	8	.....
Curetage uteri.....	8	.....
Perineoplasty.....	2	.....
Obstetrical:		
Low forceps.....	1	.....
Thorax:		
Thoracotomy.....	1	1
Excision of breast and axilla.....	1	.....
Rectum:		
Hemorrhoids, radical cure.....	6	.....
Fistula in anus, excision of.....	1	.....
General:		
Thyroidectomy.....	1	.....
Tenorrhaphy.....	1	.....
Excision of surface neoplasms.....	3	.....
Laparotomy:		
For tuberculous peritonitis.....	2	2
Appendectomy.....	11	.....
Appendectomy with local peritonitis.....	1	1
Cholecystotomy.....	1	.....
Choledochotomy.....	1	.....
Supravaginal hysterectomy.....	3	.....
Hysteromyectomy.....	4	.....
Myomectomy.....	1	.....
Salpingectomy, single.....	1	.....
Salpingectomy, double.....	1	.....
Salpingo-oophorectomy.....	3	.....
Ovarian cystectomy.....	1	.....
Oophorectomy.....	1	.....
Suspensio-uteri.....	3	.....
Various minor operations.....	102	.....
Total.....	204	4

TABLE XIII.—ANCON HOSPITAL—Continued.

REPORT OF OPERATIONS, EYE AND EAR CLINIC.

Cataract extract.....	1
Enucleation.....	2
Frontal Sinusotomy.....	2
Sub Mucous Resectory.....	2
Turbinectomy.....	1
Tonsillectomy.....	5
Adenoidectomy.....	4
Minor operations:	
Eye.....	1
Ear.....	1
Throat.....	5
	7
Total.....	24
Refractions.....	150

REPORT OF OUT-PATIENT DEPARTMENT.

Clinic.	Total visits.	New cases.	Pay cases.	Prescriptions.
Medical.....	259	186	40	266
Surgical.....	196	102	5	53
Eye and ear.....	1,059	357	7	438
Total.....	1,514	645	52	757

MONTHLY VACCINATION REPORT.

Number of adults vaccinated.....	21
Number of "takes".....	2

BOARD OF HEALTH LABORATORY—MONTHLY REPORT.

Bacteriological examinations of—	
Blood cultures.....	26
Throat cultures.....	36
Urines.....	30
Stools.....	28
Sputum.....	8
Pathological fluids, exudates, etc.....	15
Cultures of autopsies.....	2
Miscellaneous.....	1
Wasserman reactions.....	698
Leper suspects.....	5
Agglutination reactions.....	4
Autogenous vaccines prepared.....	3
Antityphoid vaccinations.....	14
Animal inoculations.....	4
Dairy milk from Panama, bacteriological counts.....	2
Dairy milk from Corozal farm, bacteriological counts.....	30
Dark-field examinations.....	14
Blood for malaria.....	14
Phenol coefficient of pine-oil disinfectant determinations.....	1
Vaccine points (smallpox).....	1,200
Chemical examinations of—	
Milk from private dairies supplying cities of Panama and Colon.....	2
Mother's milk.....	7
Urines.....	5
Fat determinations of milk from Corozal dairy.....	30
Butyric acid tests.....	3
Colloidal gold.....	3

TABLE XIII.—ANCON HOSPITAL—Continued.

BOARD OF HEALTH LABORATORY—MONTHLY REPORT—Continued.

Chemical examinations of—	
Examination of "Aromatic Mist".....	1
Examination of "Zest".....	1
Examination of "Nestle's Milk".....	1
Examination of crude carbolic acid.....	1
Examination of salt.....	1
Examination of batter.....	1
Examination of suspected opium (for police).....	1
Pathological tissues prepared, paraffin.....	422
Surgical tissues neoplasms reported.....	58
Autopsies performed.....	29
Animals autopsied.....	24
Rats examined:	
<i>Mus alexandrinus</i>	20
<i>Mus musculus</i>	603
<i>Mus norvegicus</i>	832
<i>Mus rattus</i>	256
	1,711
Bodies embalmed.....	4
Interments at Corozal.....	13
Taken to Panama.....	7
Cremations.....	22

COROZAL HOSPITAL.

STATEMENT OF COMMITMENTS, DISCHARGES, AND DEATHS.

COMMITMENTS.

	Male.	Female.
From Canal Zone, first admission.....	8	
From Canal Zone, second admission.....	1	
From Canal Zone, third admission.....	1	
From Canal Zone (retransfer from Ancon Hospital).....	¹ 1	
From Panama Government, first admission.....	2	5
From Panama Government, second admission.....		1
Total.....	13	6

¹ Had been transferred to Ancon Hospital for surgical treatment.

DISCHARGES.

	Well.		Improved.		Unimproved.	
	Male.	Female.	Male.	Female.	Male.	Female.
Jamaica.....	1					1
Nevis.....	1					
Panama.....				1		
St. Kitts.....				1		
Total.....	2			2		1

COROZAL HOSPITAL—Continued.

DEATHS.

Medical diagnosis.	Mental diagnosis.	Male.	Female.
Internal hydrocephalus; arterio-sclerosis.	Senile dementia.....	1	.....
Tuberculosis of the lungs.....	Toxic psychosis.....	.....	1
General paralysis of the insane.....	General paralysis of the insane.	1	.....
Lobar pneumonia.....	Dementia precox	1	.....

TABLE XIV.—COLON HOSPITAL.

NATIONALITY.

	White American.	White foreign.	Black.	Total.
Panama Canal employees.....	14	7	21	42
Panama Railroad employees.....	3	7	50	60
Panama pay.....	1	1	12	14
Other pay.....	21	15	8	44
Charity cases.....	4	1	6	11
Total.....	43	31	97	171

Cost of subsistence per patient per day, 33 cents.

LABORATORY REPORT.

Blood examinations.....	66
Estivo-autumnal.....	19
Tertian.....	2
White blood counts.....	7
Red blood counts.....	1
Differential counts.....	4
Stool examinations.....	18
Uncinaria.....	2
Tricocephalus dispar.....	1
Ascari.....	1
Pus.....	2
Urine examinations.....	208
Albumen.....	47
Casts.....	41
Pus.....	108
Epithelia.....	143
Red blood counts.....	5
Sugar.....	3
Sputum examinations.....	8
Positive for tubercle bacilli.....	2
Smear examinations.....	6
Positive for gonorrhea.....	2

SURGICAL OPERATIONS.

Herniotomy:	
Inguinal, single.....	4
Inguinal, double.....	1
General:	
Excision of surface neoplasm.....	1
Extensive injuries to soft parts, operation for.....	2
Laparotomy:	
Appendectomy.....	1
Minor operations, various.....	9
Minor operations, various (dispensary).....	124

TABLE XV.—PALO SECO LEPER ASYLUM.

NATIONALITY OF PATIENTS.

Class.	No. treated.		Americans.		Others.	
	White.	Black.	White.	Black.	White.	Black.
Panama Canal employees.....		3				3
Pay cases.....	2	37			2	37
Charity cases.....	2	21			2	21
Total.....	4	61			4	61

Cost of subsistence per patient per day, \$0.26.

TABLE XVI.—SANTO TOMAS HOSPITAL.

Class.	Remain- ing June 1.	Ad- mitted.	Dis- charged.	Died.	Remain- ing June 30.
Pay cases.....	32	53	69	2	14
Charity cases.....	407	853	751	80	429
Total.....	439	906	820	82	443

Average number of patients constantly sick..... 441
 Total number of days treatment..... 13,632
 Average number of days treatment for each patient..... 10

NATIONALITY.

Class.	Number treated.	Americans.		Other nations.	
		White.	Black.	White.	Black.
Pay cases.....	85	2	0	32	51
Charity cases.....	1,260	10	3	98	1,149
Total.....	1,345	12	3	130	1,200

DISPENSARY REPORT.

Class.	White.	Black.	Total.
Natives.....	28	787	815
Foreigners.....	111	449	560
Total.....	139	1,236	1,375

TABLE XVI.—SANTO TOMAS HOSPITAL—Continued.

DISEASES TREATED.	
Malaria.....	60
Measles.....	1
Diphtheria and croup.....	1
Influenza.....	13
Dysentery.....	5
Leprosy.....	1
Erysipelas.....	1
Purulent infection and septicemia.....	3
Pellagra.....	1
Beriberi.....	1
Tuberculosis of the lungs.....	17
Syphilis.....	47
Soft chancres.....	9
Gonococcus infection.....	35
Cancer and other malignant tumors of the buccal cavity.....	1
Cancer and other malignant tumors of the female genital organs.....	1
Cancer and other malignant tumors of organs not specified.....	2
Other tumors.....	1
Acute articular rheumatism.....	1
Alcoholism, acute or chronic.....	14
Other diseases of the spinal cord.....	3
Paralysis without specified cause.....	3
Other forms of mental alienation.....	5
Hysteria.....	3
Neuralgia and neuritis.....	1
Other diseases of the nervous system.....	6
Other diseases of the eyes and their annexa.....	12
Organic disease of the heart.....	13
Disease of the arteries.....	12
Diseases of the veins.....	2
Diseases of the lymphatic system.....	11
Hemorrhage.....	1
Diseases of the nasal fossae.....	1
Chronic bronchitis.....	19
Broncho-pneumonia.....	1
Pneumonia.....	8
Pleurisy.....	6
Asthma.....	1
Other diseases of the mouth and annexa.....	1
Diseases of the pharynx.....	15
Other diseases of the stomach.....	2
Diarrhea and enteritis under two years old.....	6
Diarrhea and enteritis two years and over.....	8
Ankylostomiasis.....	47
Appendicitis and typhlitis.....	5
Hernias, intestinal obstructions.....	19
Other diseases of the intestines.....	11
Cirrhosis of the liver.....	2
Other diseases of the liver.....	3
Bright's disease.....	9
Diseases of the bladder.....	2
Diseases of the urethra.....	4
Nonvenereal diseases of the female genital organs.....	12
Uterine hemorrhage.....	3
Uterine tumor.....	5
Other diseases of the uterus.....	8
Salpingitis and other diseases of the female genital organs.....	14
Nonpuerperal diseases of the breast.....	1
Normal labor.....	73
Accidents of pregnancy.....	38
Puerperal hemorrhage.....	3
Acute abscess.....	11
Other diseases of the skin and annexa.....	22
Diseases of the bone.....	4
Diseases of the joints.....	11
Amputations.....	1

TABLE XVI.—SANTO TOMAS HOSPITAL—Continued.

DISEASES TREATED—Continued.

Other diseases of the organs of locomotion.....	1
Congenital malformations.....	4
Nurseling discharged from hospital without disease.....	74
Other diseases peculiar to early infancy.....	1
Other acute poisonings.....	6
Burns.....	4
Traumatism by firearms.....	27
Fractures.....	10
Other external violence.....	29
No disease.....	11
Total.....	1,345

SURGICAL OPERATIONS.

	Dis- charged.	Died.
Amputations, digits, multiple.....	1	
Wiring of fracture, simple.....	1	
Adenectomy, cervical.....	3	
Adenectomy, inguinal, single.....	6	
Adenectomy, inguinal, double.....	1	
Herniotomy, inguinal, single.....	8	
Herniotomy, ventral.....	1	
Hydrocele, single, radical cure.....	5	
Amputation of the penis.....	1	
Curettage uteri.....	7	
Perineoplastic.....	2	
Vaginal punctures.....	1	
Hemorrhoids, radical cure.....	4	2
Fistula in ano, excision of.....	1	
Tenorrhapy.....	1	
Plastic operations for severe injuries.....	1	
Plastic operations for effects of disease.....	20	
Skin graft.....	4	
Laparotomy, exploratory.....	3	
Appendectomy.....	5	
Sigmoidopexy.....	1	
Cholecystectomy.....	1	
Abscess of liver, thoraco-hepatomy for.....	1	
Panhysterectomy.....	6	
Supravaginal hysterectomy.....	4	
Salpingo-oophorectomy.....	8	1
Oophorectomy.....	1	
Suspensio-uteri.....	6	
Major operations, various other.....	1	
Minor operations, various other.....	29	
Enucleation, eye.....	4	
Cataract extractions.....	1	
Tonsillectomy.....	13	
Mastoidectomy.....	1	
Total.....	153	3

TABLE XVII.—SUMMARY OF SANITARY WORK PERFORMED AND MATERIAL EXPENDED IN THE CANAL ZONE.

Work Requests, Supply Department:	
Grass cutting.....	20
Screening.....	6
Miscellaneous.....	12
Work requests, municipal engineering department.....	19
Work requests, other departments.....	1
Notices served to abate nuisances.....	5
Arrests and convictions.....	2
Closets, inspection of.....	698
Stores, inspection of.....	39
Shops, inspection of.....	76
Garbage cans emptied.....	2,924
Closets disinfected.....	760
Rat traps in use.....	400
Rats destroyed.....	440
Adult anopheles caught.....	10,617
Adult culices caught.....	24,623
Stegomia destroyed.....	214
Larvacide used.....gallons.....	701
Crude oil used.....do.....	13,790
Kerosene.....do.....	820

SUMMARY OF ROUTINE WORK DONE BY PANAMA HEALTH OFFICE.

General sanitation:	
Linear feet of ditches cleaned and maintained.....	32,275
Linear feet of new ditches dug.....	1,550
Number of cubic yards of earth used in filling.....	0
Gallons of larvacide used.....	750
Gallons of crude oil used.....	5,016
Square yards of pools oiled.....	315,130
Water containers treated.....	15,892
Mosquito-breeding places found (Stegomyia 153).....	350
Fly-breeding places found.....	61
Flies trapped (13,000 per quart), quarts.....	72
Number of rats killed.....	1,245
Number of room disinfections.....	8
Square feet of vegetation removed.....	375,000
Garbage collection:	
Number of loads of garbage removed to dump.....	5,227
Number of cubic yards of garbage removed to dump.....	9,362
Total number of cans of garbage emptied.....	42,361
Buildings:	
Number of buildings inspected.....	4,850
Number of plans for new buildings approved.....	19
Number of permits issued for repairs to old buildings.....	103
Total number of building permits issued.....	122
Number of buildings condemned.....	22
Number of buildings demolished.....	4
Number of stables condemned.....	2
Street cleaning:	
Average number of streets cleaned daily.....	600,000
Average number of streets sprinkled daily.....	45,000
Number of private properties cleaned during month.....	8
Number of notices served and nuisances abated.....	440
Cementing tree cavities:	
Total number of trees treated in entire city.....	0
Approximate number of holes (containers) closed.....	0
Average cost per tree.....	0

TABLE XVII.—SUMMARY OF SANITARY WORK PERFORMED AND MATERIAL EXPENDED IN THE CANAL ZONE—Continued.

WORK REPORT FOR COLON AND CRISTOBAL AND MOUNT HOPE.

Sanitation, Colon-Cristobal:	
Square yards street cleaned.....	4, 040, 852
Square yards alleys maintained.....	662, 320
Number of private properties cleaned.....	735
Doses of quinine issued.....	6, 070
Number of rats caught.....	176
Number of dogs killed.....	17
Number of dogs caught.....	16
Loads of yard garbage disposed of.....	633
Number of cans garbage (cubic yards, 2,219).....	65, 282
Colon dump maintained.....	
Linear yards ditches maintained.....	80
Linear yards ditches constructed (cubic yards, 72).....	160
Acres of vegetation removed:	
Quarantine station.....	4
Panama Railroad properties, Colon.....	47
Parkway and E Street maintained.....	
Square yards oiled.....	72, 300
Number of receptacles treated.....	38, 610
Number of mosquitoes caught on Colon Hospital screens:	
Anopheles.....	229
Culex.....	922
Number of mosquito-breeding places destroyed.....	39
Number of fly-breeding places destroyed.....	12
Number of buildings inspected.....	11, 765
Gallons of larvacide used in Colon.....	257. 28
Gallons of crude oil used in Colon.....	1, 310
Number of nuisances abated.....	454
Buildings, Colon:	
Number of building plans approved.....	7
Number of permits to occupy issued.....	16
Number of permits to repair issued.....	48
Number of bills collected.....	192
Sewers, Colon:	
Number of new connections made during the month.....	18
Total number connections made to date.....	1, 324
Number of houses in which connections were made.....	14
Outstanding permits.....	47
Sanitation, Cristobal:	
Number of cans garbage (cubic yards, 740).....	14, 167
Loads of yard garbage handled.....	194
Square yards of grading on fill at Camp Bierd.....	1, 433
Number of receptacles treated.....	9, 500
Square yards oiled.....	10, 350
Number of mosquito breeding places destroyed.....	7
Number of fly breeding places destroyed.....	4
Gallons of larvacide used.....	31
Gallons of crude oil used.....	510
Number of buildings inspected.....	1, 260
Number of nuisances abated.....	58
Sanitation, Mount Hope:	
Number of cans garbage (134 cubic yards).....	900
Square yards oiled.....	145, 050
Number of receptacles treated.....	13, 100
Number of mosquito breeding places destroyed.....	155
Number of mosquitoes caught in barracks—	
Anopheles.....	1, 858
Culex.....	1, 310
Number of mosquitoes caught in Sil. Married Qt.—	
Anopheles.....	392
Culex.....	996
Number of mosquitoes caught in Camp. B. cars—	
Anopheles.....	201
Culex.....	106

TABLE XVII.—SUMMARY OF SANITARY WORK PERFORMED AND MATERIAL EXPENDED IN THE CANAL ZONE—Continued.

WORK REPORT FOR COLON AND CRISTOBAL AND MOUNT HOPE—Continued.

Sanitation, Mount Hope—Continued.

Number of mosquitoes caught in steamships—	
Anopheles.....	153
Culex.....	208
Number of mosquitoes caught in Mount Hope village—	
Anopheles.....	1,732
Culex.....	306
Total—	
Anopheles.....	4,326
Culex.....	2,926
Gallons of larvacide used.....	200
Gallons of crude oil used.....	1,814.34
Mount Hope cemetery maintained.	
Linear yards of ditches constructed.....	10,662
Linear yards of ditches maintained.....	10,819
Square yards of vegetation removed.....	311,511
Number of burials during the month.....	36

TABLE XVIII.—CONSOLIDATED REPORT OF QUARANTINE TRANSACTIONS AT THE PORTS OF BALBOA-PANAMA AND COLON-CRISTOBAL.

Number of vessels inspected and passed.....	182
Number of vessels held in quarantine.....	20
Total number of vessels entered.....	202
Number of special inspections made to enforce compliance with antiplague and mosquito breeding regulations.....	145
Number of vessels fumigated on arrival.....	14
Number of vessels fumigated on departure.....	0
Number of stowaways inspected.....	7
Number of crew examined.....	11,178
Number of passengers examined.....	2,766
	13,951
Number of supplementary inspections.....	2,232
Number of persons vaccinated at port of arrival because of compulsory vaccination law.....	402
Number of persons vaccinated at port of departure or en route because of compulsory vaccination law.....	1,186
	1,588
Number of persons held in quarantine at the detention houses to complete period of incubation of yellow fever or plague.....	377
Number of persons held in quarantine on board vessels to complete period of incubation of yellow fever or plague.....	1,946
	2,323
Total number of persons landed from foreign ports:	
Cabin.....	1,455
Steerage.....	653
	2,108

TABLE XVIII.—CONSOLIDATED REPORT OF QUARANTINE TRANSACTIONS AT THE PORTS OF BALBOA-PANAMA AND COLON-CRISTOBAL.—Continued.

Total number of persons embarked for foreign ports:	
Cabin.....	2,121
Steerage.....	986
	<u>3,107</u>
Total number of persons arriving from coast towns on small launches and sailing craft.....	1,726
Total number of persons sailing for coast towns on small launches and sailing craft.....	1,459
Apparent increase for month from coast towns.....	267
Apparent decrease for month from foreign ports:	
Cabin.....	666
Steerage.....	333
	<u>999</u>
Number of persons rejected and deported.....	32
Number of bills of health issued or viséed.....	206
Number of inspections of docks.....	25
Number of inspections of vessels at docks.....	46
Total number of persons landed.....	3,834
Less number for Pacific ports.....	242
	<u>3,592</u>
Total number of persons sailing.....	4,566
Total apparent decrease for month.....	974

IMMIGRATION REPORT FOR COLON AND CRISTOBAL.

From—	Cabin.	Steerage.
Europe.....	12	9
United States.....	558	85
Jamaica and West Indies.....	65	207
Venezuela.....	9	2
Colombia.....	121	154
Cuba.....	22	10
Costa Rica.....	86	38
Bocas del Toro.....	35	101
Coast towns.....	0	188
Total.....	908	794

Grand total.....	1,702
Men.....	935
Women.....	319
Children.....	190
United States troops.....	70
Unclassified.....	188
	<u>1,702</u>

QUARANTINE, BOCAS DEL TORO.

Number of vessels inspected and passed.....	17
Number of crew inspected and passed.....	1,196
Number of passengers inspected and passed.....	215
Passengers in transit, inspected and passed.....	8

No quarantinable disease has appeared in this port, and the health conditions of the port and surrounding territory continue good.

TABLE XIX.—STATEMENT OF QUININE ISSUED.

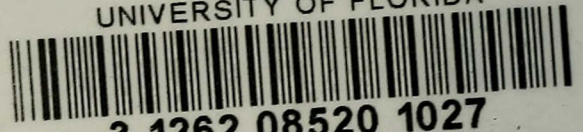
Quinine sulphate.....	kilos..	11
Pounds, avoirdupois		24.25

TABLE XX.—PERSONNEL REPORT.

	June, 1916.			May, 1916.	June, 1915.
	Gold employ- ees.	Silver employ- ees.	Total employ- ees.	Total employ- ees.	Total employ- ees.
Chief health officer	4	.....	4	4	4
Medical storehouse.....	4	4	8	8	9
Quarantine division.....	11	34	45	47	42
Health office, Panama.....	11	144	155	160	175
Health office, Colon-Mount Hope.....	9	172	181	181	150
Ancon Hospital.....	119	240	359	374	328
Colon Hospital.....	15	25	40	41	38
Santo Tomas Hospital.....	6	.....	6	6	6
Palo Seco Leper Asylum.....	2	17	19	19	32
Zone sanitation.....	7	132	139	135	108
Hospital farm, Corozal.....	2	57	59	58	50
Dispensaries:					
Balboa.....	5	2	7	6	6
Corozal.....	.....	.....	.....	.....	4
Gamboa.....	1	.....	1	1	1
Gatun.....	2	2	4	4	5
Naos Island.....	.....	.....	.....	.....	1
Paraiso.....	2	2	4	4	5
Pedro Miguel.....	2	1	3	3	3
Total.....	202	832	1,034	1,051	967



UNIVERSITY OF FLORIDA



3 1262 08520 1027