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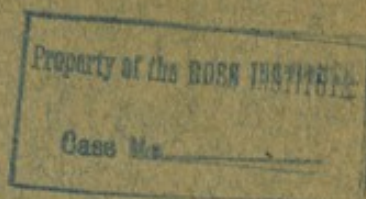
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DURBAN CORPORATION



MEDICAL OFFICER'S REPORT

FOR THE

Municipal Year ended 31st July, 1914.



DURBAN:

P. DAVIS & SONS, Limited, Printers, Grey and Saville Streets.
1915.

165

MEDICAL OFFICER'S REPORT.

Municipal Buildings,

Durban.

1st August, 1914.

TO HIS WORSHIP THE MAYOR

AND COUNCILLORS OF THE BOROUGH OF DURBAN.

GENTLEMEN,—

I have the honour to submit to you my Twelfth Annual Report relating to the Health and Sanitary Conditions of the Borough of Durban for the year ended 31st July, 1914.

P. MURISON, M.B., B.Sc., D.P.H.,

Medical Officer of Health.



POPULATION.

The following table shows the estimated population for 1913-14, and previous Census of the Borough for comparison are shown.

	1910 Borough Census	1911 Government Census	1913 Borough Census	1914 Estimate
Europeans ...	30,030	31,896	33,428	34,000
Coloured ...	2,039	} 19,535	2,420	2,600
Indians ...	16,131		18,010	18,400
Natives ...	16,489	17,756	20,302	20,800
	64,689	69,187	74,160	75,800

For Public Health purposes the "Coloured" population is included with the European, and the Birth-rates, Death-rates, etc., shown in this Report as European are calculated on the combined figures.

BIRTHS.

1.—TABLE SHOWING MONTHLY DISTRIBUTION OF ALL BIRTHS
FOR RACE AND SEX, 1913-14.

MONTHS.	MALES.			FEMALES.			TOTALS.		
	Europeans	Natives	Asiatics	Europeans	Natives	Asiatics	Europeans	Natives	Asiatics
1913									
August ...	46	1	43	36	—	32	82	1	75
September ...	39	1	28	44	1	34	83	2	62
October ...	53	—	27	62	—	26	115	—	53
November ...	30	—	15	35	1	19	65	1	34
December ...	28	—	32	30	1	24	58	1	56
1914									
January ...	49	—	27	54	—	28	103	—	55
February ...	46	—	22	47	—	28	93	—	50
March ...	45	1	18	41	—	21	86	1	39
April ...	45	1	19	40	—	21	85	1	40
May ...	62	—	19	51	1	16	113	1	35
June ...	39	2	23	32	—	24	71	2	47
July ...	38	2	45	38	1	27	76	3	72
Totals ...	520	8	318	510	5	300	1,030	13	618

2.—TABLE OF BIRTHS OCCURRING AMONGST NON-RESIDENTS
IN MONTHS.

1911-12	147.
1912-13	106.
1913-14	111.

Aug.		Sept.		Oct.		Nov.		Dec.		Jan.		Feb.		Mar.		April.		May.		June.		July.		Total.	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
6	3	4	7	8	10	4	2	0	1	7	8	10	7	1	4	5	2	9	2	1	4	0	6	55	56

European Birth Rate (gross)	28.1	per 1,000.
European Birth Rate (corrected) for non-residents	25.1	per 1,000.
Asiatic Birth Rate	33.6	per 1,000.
Native Birth Rate	.62	per 1,000.
Birth Rate, England and Wales, 1913	23.9	per 1,000.

3.—TABLE SHOWING TOTAL REGISTERED EUROPEAN BIRTHS
AND BIRTH RATES FOR THE PAST SEVEN YEARS.

	1908	1909	19 0	1911	1912	1913	1914	1914
No. of Births	971	919	907	952	1030	1015	1030	919
Birth Rate	33.3	34.4	28.5	27.7	28.3	28.3	28.1	25.1

(Corrected)

4.—TABLE SHOWING LEGITIMATE AND ILLEGITIMATE BIRTHS,
EXCLUDING IMPORTED BIRTHS, 1913-14.

	Males.	Females.	Total.
Legitimate	455	431	886
Illegitimate	10	23	33
	465	454	919

4.—MARRIAGES CONTRACTED IN DURBAN BOROUGH, 1913-14.

During the past Municipal Year 680 European marriages were contracted in Durban. The following table shows the distribution as to domicile of contracting parties:—

Of whom one party domiciled in Durban.		Of whom both parties domiciled in Durban.		Of whom neither party domiciled in Durban.	
M.	F.	M.	F.	M.	F.
15	59	539	539	67	67

Gross Marriage Rate for Durban	18.6	per 1,000.
Corrected Marriage Rate for Borough	16.7	per 1,000.

DEATHS.

1.—TABLE SHOWING RACE AND SEX DISTRIBUTION OF DEATHS DURING THE PAST YEAR.

Race.	Male.	Female.	Total.
European	174	140	314
Native	94	29	123
Asiatic	115	74	189
Totals	383	243	626

2.—AGE DISTRIBUTION OF DEATHS (EUROPEANS).

	Male.	Female.	Total.
Under 1 year	34	22	56
1—5 years	18	17	35
5—10 „	2	3	5
10—15 „	3	2	5
15—20 „	3	2	5
20—25 „	7	3	10
25—35 „	20	21	41
35—45 „	15	19	34
45—55 „	31	11	42
55—65 „	16	10	26
65—75 „	11	18	29
75—85 „	9	9	18
85 and over	5	3	8
Totals	174	140	314

3.—TABLE SHOWING CHIEF STATISTICS OF DEATHS OF ALL RACES IN THE BOROUGH DURING THE PAST FIVE YEARS.

Race.	1909-10	1910-11	1911-12	1912-13	1913-14
European ...	210	301	362	311	314
Native ...	88	109	110	129	123
Asiatic ...	274	305	296	235	189
Totals ...	572	715	768	675	626
Rate per 1,000					
European ...	6.6	8.7	9.9	8.7	8.6
Native ...	5.3	6.1	6.0	6.4	5.9
Asiatic ...	17.0	17.9	16.9	13.0	10.3

4.—TABLE FOR COMPARISON SHOWING RECORDED DEATH RATES PER 1,000 IN ENGLAND AND WALES IN 1913.

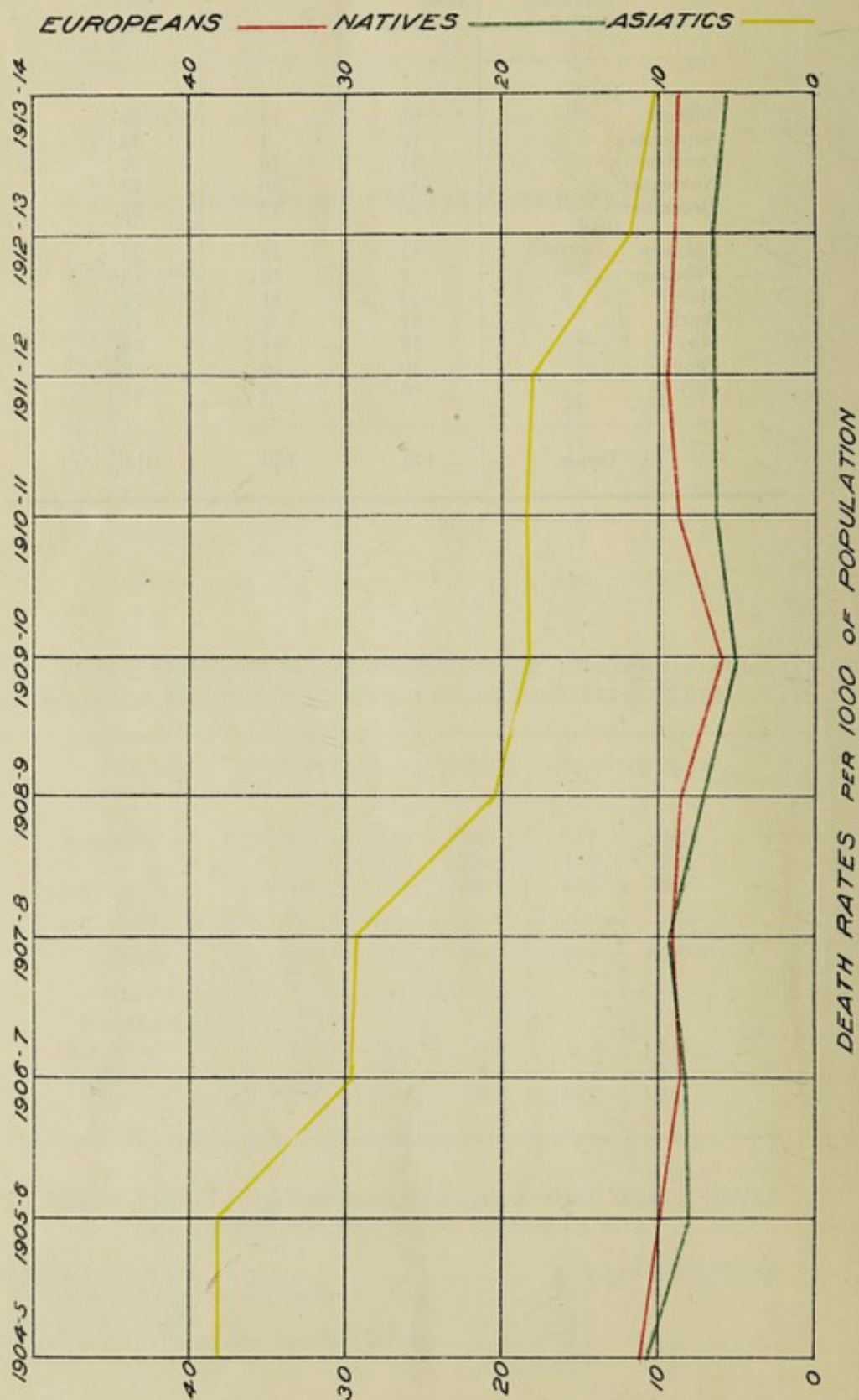
England and Wales	13.4	per 1,000 of pop.
96 Great Towns, including London	14.7	„
145 Smaller Towns	13.0	„
England and Wales, less the 241 Towns	12.1	„
London	14.2	„

5.—TABLE SHOWING MONTHLY DISTRIBUTION OF DEATHS
AMONGST RESIDENTS (EUROPEANS), 1913-14.

MONTHS.	MALES.	FEMALES.	TOTAL.
1913.			
August	25	14	39
September	10	4	14
October	11	16	27
November	13	10	23
December	20	12	32
1914.			
January	11	12	23
February	7	12	19
March	13	11	24
April	11	7	18
May	17	11	28
June	20	16	36
July	16	15	31
Totals	174	140	314

CHART 1.

Chart showing Death Rate of the different Races during the past ten years:—



6.—TABLE OF DEATHS IN INSTITUTIONS OR NURSING HOMES, Etc.

	EUROPEAN.		NATIVE.		ASIATIC.		TOTAL.	
	M.	F.	M.	F.	M.	F.	M.	F.
Addington Hospital	60	21	38	8	14	4	112	33
Durban Gaol	...	...	2	...	1	...	3	...
Point Convict Station	...	...	1	...	...	...	1	...
Sanatorium, Chelmsford Road	4	11	...	...	...	...	4	11
Indian Immigration Depot Hospital	...	...	...	...	11	4	11	4
Private Hospitals	4	2	...	...	...	...	4	2
S.A.R. Hospital	...	...	4	...	14	5	18	5
Corporation Hospital	...	...	...	...	...	...	...	...
Native Women Hostel	...	...	...	1	...	...	...	1
Totals	68	34	45	9	40	13	153	56

7.—TABLE OF NON-RESIDENT DEATHS IN DURBAN NOT INCLUDED IN TABLE 3.

	1913.					1914.							Total
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	
European	6	3	5	8	4	9	4	6	8	4	11	15	83
Native	6	1	1	7	4	4	2	4	3	3	6	0	41
Asiatic	3	5	8	1	4	7	2	2	1	1	2	3	39
Totals	15	9	14	16	12	20	8	12	12	8	19	18	163

8.—TABLE SHOWING CAUSES OF NON-RESIDENT DEATHS.

	European	Native	Asiatic	Total.
Dysentery	1	3	3	7
Enteric Fever	5	4	—	9
Tetanus	—	2	1	3
Venereal Diseases	—	—	1	1
Septic Diseases	1	—	—	1
Phthisis	13	9	9	31
Other Forms of Tuberculosis	1	1	2	4
Other Infectious Diseases	—	1	—	1
Cancer	8	2	—	10
Dis. of Birth and Development	2	—	—	2
Old Age	3	—	—	3
Diseases of Nervous System	4	2	1	7
Disease of Heart and Circulatory System	4	1	4	9
Pneumonia	1	4	3	8
Bronchitis	—	1	4	5
Other Diseases of Respiratory System	3	1	1	5
Diarrhoea, Catarrh, Enteritis	8	2	4	14
Other Diseases of Liver and Alimentary Track	9	1	—	10
Diseases of Urinary System	5	3	1	9
Diseases of Child Birth	1	—	—	1
Diseases of Reproductive System	2	—	—	2
Accidents	2	2	3	7
Homicide	—	1	—	1
Suicide	1	—	—	1
All other Causes	9	1	2	12
Totals	83	41	39	163

CHART 2.

Table of Columns showing the European Monthly Deaths for past five years:—

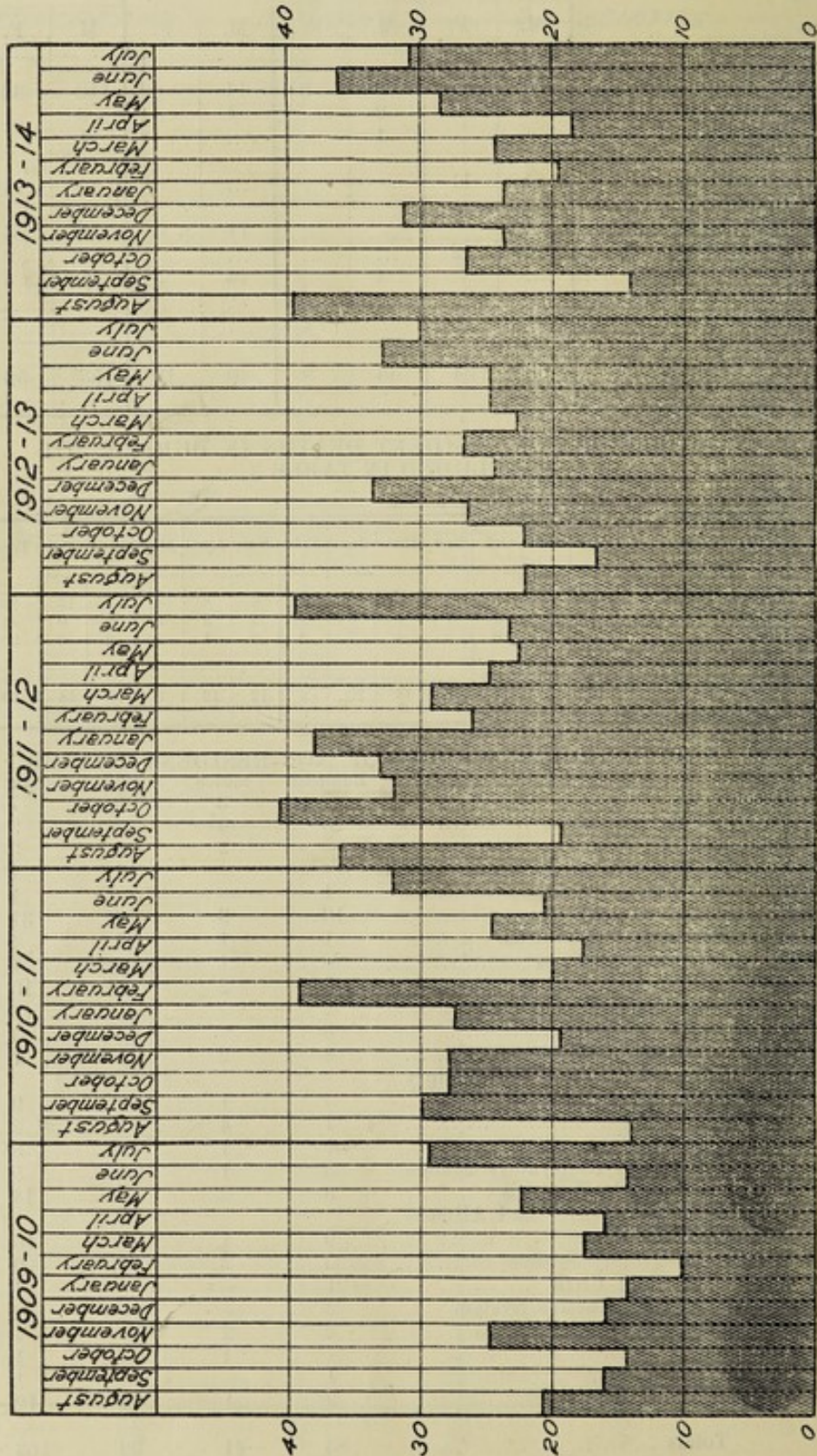
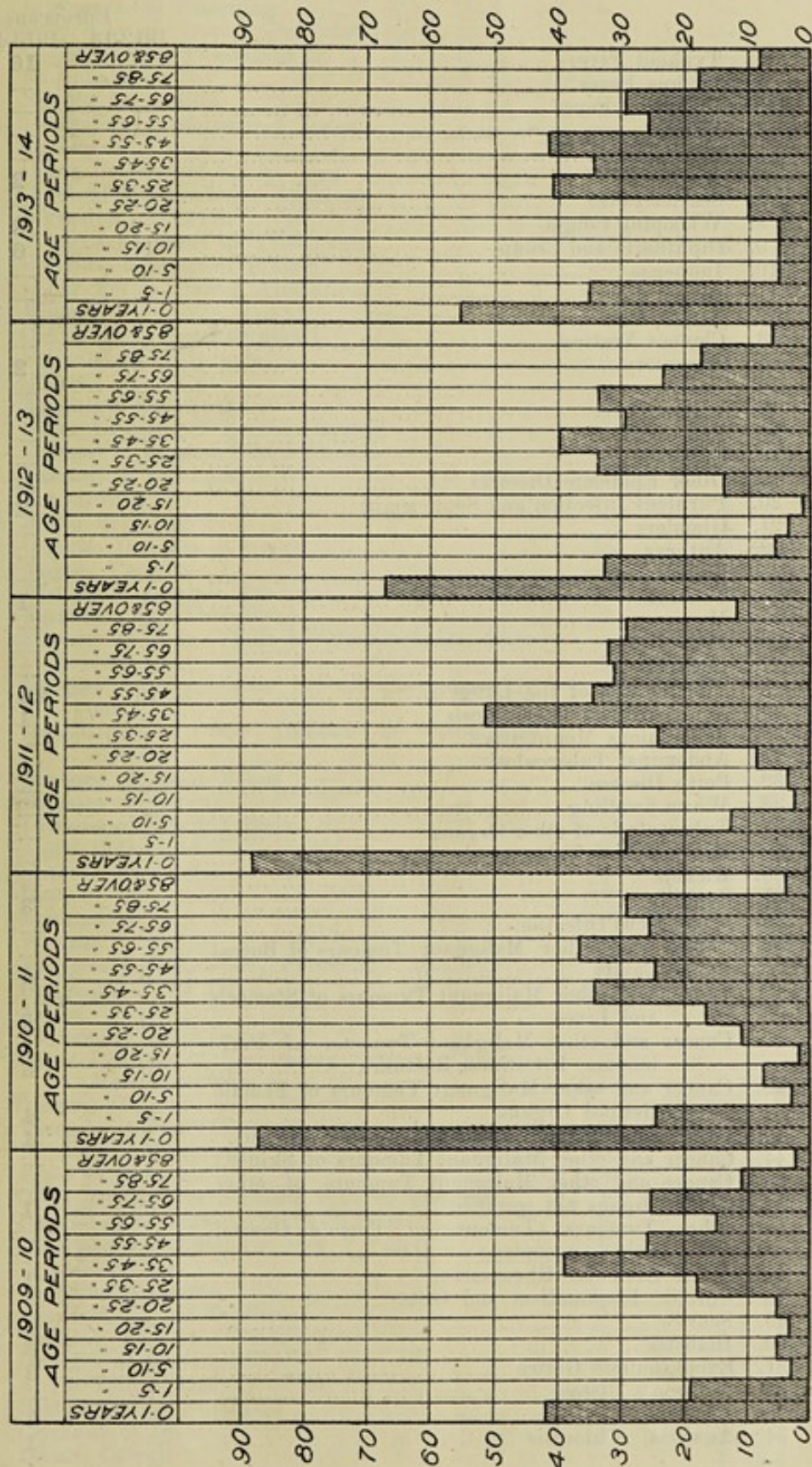


CHART 3.

Table of Columns showing the European Total Deaths occurring at various ages during the past five years:—



CLASSIFICATION OF DEATHS.

Deaths classified according to the International Classification of Causes of Sickness and Death:—

	Europeans.	
	1912-13.	1913-14.
1. Typhoid Fever	11	16
2. Typhus Fever	—	—
3. Relapsing Fever	—	—
4. Malaria	—	—
5. Small-pox	—	—
6. Measles	7	2
7. Scarlet Fever	—	—
8. Whooping Cough	2	3
9. Diphtheria and Croup	11	6
10. Influenza	6	—
11. Biliary Fever	—	—
12. Asiatic Cholera	—	—
13. Cholera Nostras	—	—
14. Dysentery	3	2
15. Plague	—	—
16. Yellow Fever	—	—
17. Leprosy	—	—
18. Erysipelas	—	—
19. Other Epidemic Diseases	—	—
20. Purulent Infection and Septicæmia	2	2
21. Glanders	—	—
22. Anthrax	—	—
23. Rabies	—	—
24. Tetanus	1	1
25. Mycoses	—	—
26. Pellagra	—	—
27. Beri-beri	—	—
28. Tuberculosis of the Lungs	18	20
29. Acute Miliary Tuberculosis	—	1
30. Tuberculous Meningitis	1	—
31. Abdominal Tuberculosis	—	1
32. Pott's Disease	—	—
33. White Swelling	—	—
34. Tuberculosis of other Organs	—	—
35. Disseminated Tuberculosis	—	—
36. Rickets	—	—
37. Syphilis	—	3
38. Gonococcus Infection	—	—
39. Cancer and other Malignant Tumours of Buccal Cavity	3	6
40. Cancer and other Malignant Tumours of Stomach and Liver	3	5
41. Cancer and other Malignant Tumours of Peritoneum, Intestines, Rectum	3	3
42. Cancer and other Malignant Tumours of Female Genital Organs	4	4
43. Cancer and other Malignant Tumours of Breast	3	4
44. Cancer and other Malignant Tumours of Skin	1	—
45. Cancer and other Malignant Tumours of other Organs not specified	3	1
46. Other Tumours (Tumours of Female Genital Organs excepted)	—	1
47. Acute Articular Rheumatism	—	1
48. Chronic Rheumatism and Gout	—	—
49. Scurvy	—	—
50. Diabetes	3	6
51. Exophthalmic Goitre	—	3
52. Addison's Disease	1	—
53. Leucæmia	—	1
54. Anæmia, Chlorosis	—	1

	Europeans.	
	1912-13.	1913-14.
55. Other General Diseases	—	3
56. Alcoholism (Acute or Chronic)	6	2
57. Chronic Lead Poisoning	—	—
58. Other Chronic Occupation Poisonings	—	—
59. Other Chronic Poisonings	—	—
60. Encephalitis	—	1
61. Simple Meningitis	1	8
61a. (Including Cerebrospinal Fever)	—	—
62. Locomotor Ataxia	1	2
63. Other Diseases of Spinal Cord	—	2
64. Cerebral Hæmorrhage, Apoplexy	10	10
65. Softening of Brain	—	—
66. Paralysis without specified cause	5	1
67. General Paralysis of Insane	—	—
68. Other Forms Mental Alienation	—	—
69. Epilepsy	1	—
70. Convulsions (Non-Puerperal)	—	—
71. Convulsions of Infants	5	1
72. Chorea	—	—
73. Neuralgia and Neuritis	—	—
74. Other Diseases of Nervous System	—	—
75. Diseases of Eyes and their Annexa	—	—
76. Diseases of the Ears	1	—
77. Pericarditis	—	—
78. Acute Endocarditis	1	1
79. Organic Diseases of Heart	18	19
80. Angina Pectoris	—	—
81. Diseases of Arteries, Atheroma, Aneurysm	4	5
82. Embolism and Thrombosis	2	—
83. Diseases of Veins (Varices, Hæmorrhoids, Phle- bitis, etc.)	1	—
84. Diseases of Lymphatic System (Lymphangitis, etc.)	—	—
85. Hæmorrhage: Other Diseases of Circulatory System	—	—
86. Diseases of Nasal Fossæ	—	—
87. Diseases of Larynx	2	1
88. Diseases of Thyroid Body	—	—
89. Acute Bronchitis	5	2
90. Chronic Bronchitis	3	3
91. Broncho-Pneumonia	2	7
92. Pneumonia	8	6
93. Pleurisy	1	2
94. Pulmonary Congestion, Pulmonary Apoplexy	1	—
95. Gangrene of the Lung	—	—
96. Asthma	1	—
97. Pulmonary Emphysema	—	—
98. Other Diseases of Respiratory System (Tubercu- losis excepted)	1	—
99. Diseases of Mouth and Annexa	—	—
100. Diseases of Pharynx	2	—
101. Diseases of Œsophagus	—	—
102. Ulcer of Stomach	3	3
103. Other Diseases of Stomach (Cancer excepted)	3	5
104. Diarrhœa and Enteritis (under 2 years)	36	29
105. Diarrhœa and Enteritis (over 2 years)	7	9
106. Ankylostomiasis	1	—
107. Intestinal Parasites	—	1
108. Appendicitis and Typhlitis	2	—
109. Hernias, Intestinal Obstructions	2	2
110. Diseases of the Intestines	—	—
111. Acute Yellow Atrophy of the Liver	—	—
112. Hydatid Tumour of Liver	—	—
113. Cirrhosis of Liver	1	3
114. Biliary Calculi	—	2

115. Other Diseases of Liver	2	1
116. Diseases of Spleen	—	—
117. Simple Peritonitis (Non-Puerperal)	—	—
118. Other Diseases of Digestive System (Cancer and Tuberculosis excepted)	2	—
118a. Abscess of Liver	7	2
119. Acute Nephritis	—	—
120. Bright's Disease	12	14
121. Chyluria	—	—
122. Other Diseases of Kidneys and Annexa	—	1
123. Calculi of Urinary Passages	—	—
124. Diseases of Bladder	1	1
125. Diseases of the Urethra, Urinary Abscess	—	—
126. Diseases of Prostate	2	1
127. Non-Venereal Diseases of Male Genital Organs	1	—
128. Uterine Hæmorrhage (Non-Puerperal)	—	—
129. Uterine Tumour (Non-Cancerous)	—	2
130. Other Diseases of Uterus	—	—
131. Cysts and other Tumours of Ovary	—	1
132. Salpingitis and other Diseases of Female Genital Organs	1	2
133. Non-Puerperal Diseases of Breast (Cancer excepted)	—	—
134. Accidents of Pregnancy	2	1
135. Puerperal Hæmorrhage	1	—
136. Other Accidents of Labour	2	1
137. Puerperal Septicæmia	—	—
138. Puerperal Albuminuria and Convulsions	2	2
139. Puerperal Phlegmasia, Alba Dolens, Embolus, Sudden Death	—	—
140. Following Child-Birth (not otherwise defined)	—	—
141. Puerperal Diseases of Breast	—	—
142. Gangrene	—	1
143. Furuncle	—	1
144. Acute Abscess	—	—
145. Other Diseases of Skin and Annexa	—	1
146. Diseases of Bones (Tuberculosis excepted)	—	—
147. Diseases of the Joints (Tuberculosis and Rheumatism excepted)	—	—
148. Amputations	—	—
149. Other Diseases of Organs of Locomotion	—	—
150. Congenital Malformations (Still-Births not included)	4	1
151. Congenital Debility, Icterus and Sclerema	17	20
152. Other Diseases peculiar to Early Infancy	—	1
153. Lack of Care	—	—
154. Senility	9	11
155. Suicide by Poison	1	2
156. Suicide by Asphyxia	—	—
157. Suicide by Hanging or Strangulation	1	—
158. Suicide by Drowning	—	—
159. Suicide by Firearms	1	4
160. Suicide by Cutting or Piercing Instruments	1	—
161. Suicide by Jumping from High Places	—	—
162. Suicide by Crushing	—	—
163. Other Suicides	—	—
164. Poisoning by Food	—	—
165. Other Acute Poisonings	1	2
166. Conflagration	—	—
167. Burns (Conflagration excepted)	—	4
168. Absorption of Deleterious Gases (Conflagration excepted)	—	2
169. Accidental Drowning	4	1
170. Traumatism by Firearms	1	—
171. Traumatism by Cutting or Piercing Instruments	—	—
172. Traumatism by Fall	1	1

		Europeans.	
		1912-13.	1913-14.
173.	Traumatism in Mines or Quarries	—	—
174.	Traumatism by Machines	1	—
175.	Traumatism by other Crushing (Vehicles, Railways, Landslides, etc.)	4	3
176.	Injuries by Animals	1	—
177.	Starvation	—	—
178.	Excessive Cold	—	—
179.	Effects of Heat	—	—
180.	Lightning	—	—
181.	Electricity (Lightning excepted)	—	—
182.	Homicide by Firearms	—	—
183.	Homicide by Cutting or Piercing Instruments	—	—
184.	Homicide by other means	—	—
185.	Fractures (cause not specified)	1	1
186.	Other External Violence	1	—
187.	Ill-defined Organic Disease	—	—
188.	Sudden Death	—	1
189.	Cause of Death not specified or ill-defined	4	5
Totals		311	314

EUROPEAN DEATHS—ARRANGED ACCORDING TO
MONTHS AND CERTAIN DISEASES

Diseases.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.	July.	Total 1913-14.	Total 1912-13
1. Plague ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Smallpox ..	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. Dysentery ...	0	0	0	0	0	0	1	1	0	0	0	0	2	3
4. Enteric Fever ...	0	0	0	1	2	2	1	5	1	1	0	3	16	11
5. Diphtheria ...	1	0	0	1	0	0	2	0	0	0	1	1	6	11
6. Scarlet Fever ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Measles ...	0	0	0	0	0	1	0	1	0	0	0	0	2	7
8. Whooping Cough ...	0	1	1	0	0	0	0	0	0	0	1	0	3	2
9. Tetanus ...	0	0	0	0	1	0	0	0	0	0	0	0	1	1
10. Malaria ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11. Venereal Diseases ...	1	1	0	1	0	0	0	0	0	0	0	0	3	0
12. Puerperal Fever ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13. Septic Diseases ...	0	0	0	0	0	1	1	0	0	0	0	0	2	2
14. Phthisis ...	1	0	3	2	2	0	0	1	1	6	1	3	20	18
15. Other Forms of Tuberculosis ...	0	0	0	1	0	0	0	1	0	0	0	0	2	1
16. Other Infectious Diseases ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17. Influenza ...	0	0	0	0	0	0	0	0	0	0	0	0	0	6
18. Cancer ...	4	0	3	0	2	3	1	4	0	1	4	2	24	20
19. Diseases of Birth and Development ...	3	0	1	0	3	1	0	2	4	2	3	3	22	21
20. Old Age ...	3	0	0	0	3	2	0	0	0	2	0	1	11	9
21. Diseases of Nervous System ...	2	2	2	0	5	1	1	1	2	2	6	1	25	23
22. Diseases of Heart and Circulatory System ...	4	3	1	0	1	3	1	2	2	4	3	1	25	26
23. Pneumonia ...	2	0	0	3	1	0	2	0	0	0	3	2	13	10
24. Bronchitis ...	1	1	1	0	1	0	0	0	0	1	0	0	5	8
25. Other Diseases Respiratory System ...	0	0	1	0	0	0	1	0	0	0	1	0	3	6
26. Diarrhœa, Catarrh, Enteritis ...	5	2	6	8	3	3	3	1	1	2	6	3	43	46
27. Other Diseases of Liver and Alimentary Track ...	3	0	3	0	1	1	1	0	4	0	0	1	14	22
28. Diseases of Urinary System ...	3	1	2	0	2	2	0	2	3	0	2	0	17	15
29. Diseases of Child-Birth ...	1	0	0	0	1	0	1	1	0	0	0	0	4	7
30. Diseases of Reproductive System ...	0	0	0	1	0	0	0	0	0	0	1	3	5	2
31. Accidents ...	2	0	3	2	1	2	0	0	0	3	0	1	14	15
32. Homicide ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33. Suicide ...	1	0	0	1	0	1	0	1	0	1	0	1	6	4
34. Execution ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35. All other Causes ...	2	3	0	2	3	0	3	1	0	3	4	5	26	15
36. Leprosy... ..	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS ...	39	14	27	23	32	23	19	24	18	28	36	31	314	311

1.—NATIVE DEATHS ARRANGED ACCORDING TO
MONTHS AND CERTAIN DISEASES.

Diseases.		August	September	October	November	December	January	February	March	April	May	June	July	Total 1913-14	Total 1912-13
1.	Plague ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Smallpox ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.	Dysentery ...	0	0	0	1	0	1	0	0	1	2	1	1	7	8
4.	Enteric Fever ...	2	0	1	0	2	0	1	2	0	1	0	0	9	7
5.	Diphtheria ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.	Scarlet Fever ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.	Measles ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.	Whooping Cough ...	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9.	Tetanus ...	0	0	0	1	0	1	1	0	1	0	0	0	4	0
10.	Malaria ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.	Venereal Disease ...	1	0	0	0	0	0	0	0	0	0	0	1	2	2
12.	Puerperal Fever ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.	Septic Diseases ...	0	0	0	0	0	0	0	0	0	0	0	0	9	4
14.	Phthisis ...	0	0	0	0	0	0	0	0	0	0	1	1	2	5
15.	Other forms of Tuberculosis ...	1	0	0	1	1	0	0	0	0	0	1	0	4	2
16.	Other Infectious Diseases ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17.	Influenza ...	0	0	0	0	0	0	0	0	1	0	0	0	1	0
18.	Cancer ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19.	Diseases of Birth and Development ...	1	1	0	0	0	1	0	0	3	0	0	0	6	9
20.	Old Age ...	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21.	Diseases of Nervous System ...	0	2	1	0	1	0	0	1	0	2	0	2	9	5
22.	Dis. of Heart & Circulatory System ...	0	0	0	1	2	3	2	0	0	1	0	1	10	7
23.	Pneumonia ...	1	0	0	3	5	0	0	1	1	1	1	4	17	18
24.	Bronchitis ...	0	0	0	1	1	0	0	1	0	1	0	0	4	3
25.	Other Dis. of Respiratory System ...	0	0	0	0	0	0	0	0	0	0	0	1	1	1
26.	Diarrhoea, Catarrh, Enteritis ...	0	4	1	0	0	1	0	1	0	0	0	0	7	22
27.	Other Dis. of Liver and Alimentary Track ...	0	2	2	0	0	1	0	0	0	0	2	0	7	4
28.	Diseases of Urinary System ...	1	0	2	1	0	0	0	0	0	0	0	1	5	7
29.	Diseases of Child Birth ...	1	0	0	0	0	0	0	1	0	0	0	0	2	1
30.	Diseases of Reproductive System...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31.	Accident ...	0	1	2	0	0	2	1	3	1	0	1	2	13	16
32.	Homicide ...	0	0	0	0	0	0	1	0	0	0	0	0	1	1
33.	Suicide ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34.	Execution ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35.	All Other Causes ...	1	2	1	1	0	2	0	1	1	1	0	0	10	5
36.	Leprosy ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals ...		9	12	10	10	12	12	6	11	9	9	7	14	121	129

ASIATIC DEATHS ARRANGED ACCORDING TO MONTHS
AND CERTAIN DISEASES.

Diseases.		August	September	October	November	December	January	February	March	April	May	June	July	Total, 1913-14.	Total, 1912-13.
1.	Plague	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.	Smallpox	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.	Dysentery	0	0	1	0	0	0	0	0	0	0	0	1	2	5
4.	Enteric Fever	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5.	Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6.	Scarlet Fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.	Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.	Whooping Cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Tetanus	0	0	0	0	0	0	0	0	0	1	0	0	1	4
10.	Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.	Venereal Disease	1	0	0	0	0	0	0	1	0	1	0	0	3	4
12.	Puerperal Fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.	Septic Diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	3
14.	Phthisis	2	2	0	1	1	4	2	2	1	2	1	1	19	26
15.	Other forms of Tuberculosis	1	2	0	0	2	0	0	1	0	0	0	0	8	5
16.	Other Infectious Diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17.	Influenza	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.	Cancer	0	0	0	1	0	0	0	0	0	1	1	0	3	1
19.	Diseases of Birth and Development	1	1	1	1	0	0	0	3	1	0	0	1	9	29
20.	Old Age	0	0	0	0	0	1	0	1	0	0	0	2	4	6
21.	Diseases of Nervous System	0	1	5	0	0	0	0	1	1	2	0	1	11	20
22.	Dis. of Heart and Circulatory System	1	0	1	1	0	0	2	0	2	1	0	4	12	19
23.	Pneumonia	2	2	2	4	3	2	2	3	0	3	1	4	28	26
24.	Bronchitis	1	0	2	1	2	2	1	0	1	1	4	1	16	21
25.	Other Dis. of Respiratory System	0	1	1	0	1	1	0	0	0	0	0	0	4	3
26.	Diarrhoea, Catarrh, Enteritis	0	1	1	3	7	1	1	4	0	2	1	1	22	38
27.	Other Diseases of Liver and Alimentary Track	2	0	1	1	0	0	2	0	0	1	0	1	8	2
28.	Diseases of Urinary System	1	1	0	0	0	0	0	0	0	0	0	0	2	5
29.	Diseases of Child-Birth	0	0	2	0	0	0	0	0	0	0	0	0	2	3
30.	Dis. of Reproductive System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31.	Accidents	1	0	3	2	1	1	2	1	1	1	2	1	16	8
32.	Homicide	0	0	1	0	0	0	0	0	0	0	0	0	1	1
33.	Suicide	0	0	1	0	1	0	0	0	0	0	0	0	2	1
34.	Execution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35.	All other Causes	1	0	2	1	2	2	0	0	3	3	2	1	17	1
36.	Leprosy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals		14	11	24	16	20	16	12	16	11	19	12	19	190	235

INFANTILE MORTALITY.

	Male.	Female.	Total.
Infantile Deaths during 1913-14	34	22	56
Registered Births		919	
Infantile Deaths		56	

This equals 60.9 infantile deaths per 1,000 births, and represents the "Infantile Mortality Figure" for Durban, 1913-14.

The following table shows the Infantile Mortality figure for England and Wales during 1913:—

All England and Wales	109
96 Great Towns, including London	116
145 Smaller Towns	112
England and Wales, less the 241 Towns	96
London	104

TABLE I.—INFANTILE DEATHS GROUPED ACCORDING TO AGES IN WEEKS AND MONTHS.

Months	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total under 1 year
Deaths	11	4	3	0	18	5	5	5	6	0	3	2	4	2	5	1	56
Previous Year	16	3	1	2	22	3	3	9	3	2	6	5	6	4	3	2	68

TABLE 2.—INFANTILE DEATHS GROUPED ACCORDING TO MONTHLY INCIDENCES.

Months	1913					1914							Total
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	
Deaths	5	2	5	6	6	4	2	2	6	4	9	5	56
Previous Year	2	3	8	6	8	3	5	6	8	7	6	6	68

TABLE 3.—MONTHLY DISTRIBUTION OF SOME OF THE MORE COMMON CAUSES OF INFANT DEATHS.

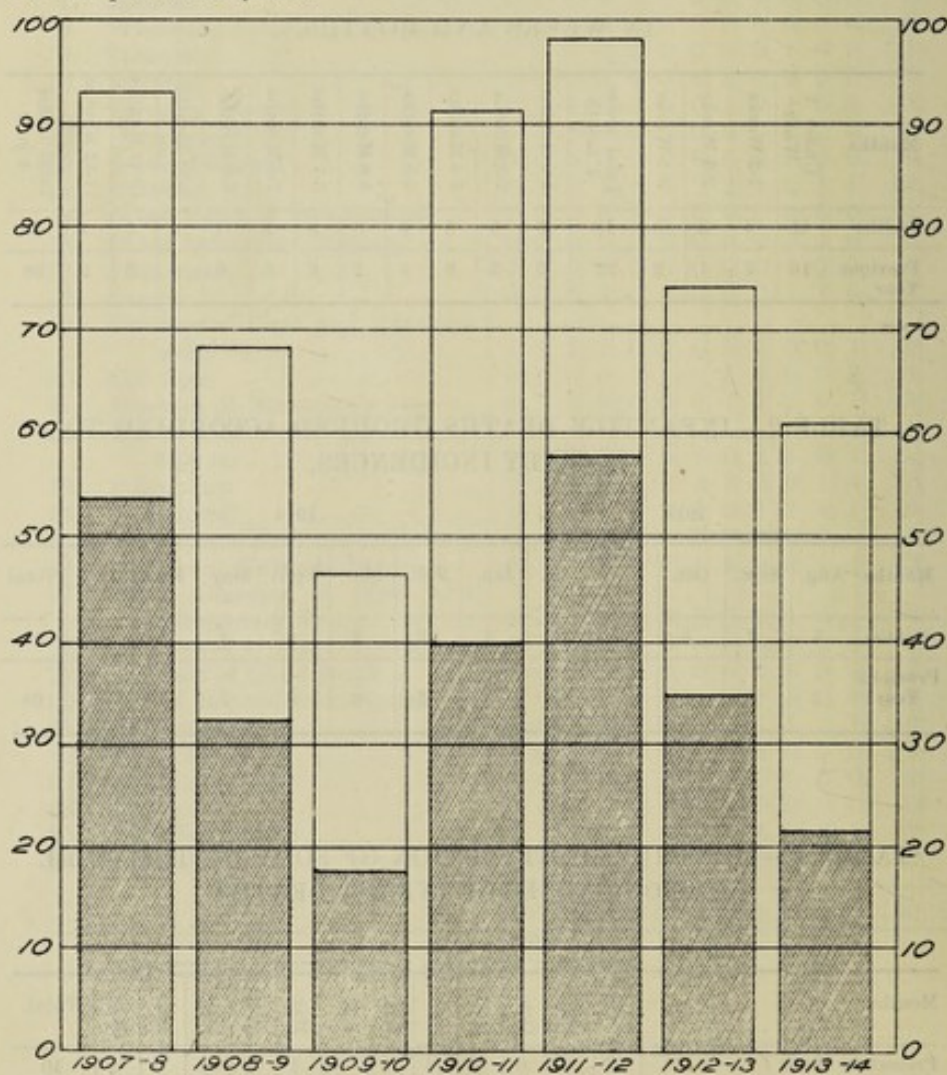
Months	1913					1914							Total.
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	
Premature Birth	0	0	0	0	2	1	0	1	2	2	0	2	10
Congenital Debility	3	0	1	0	1	0	0	0	2	0	3	0	10
Enteritis	2	1	3	4	2	2	0	0	1	1	3	2	21
Gastric Catarrh	0	0	0	1	0	0	0	0	0	0	0	0	1
Marasmus	0	1	0	0	0	0	2	0	0	0	1	0	4

TABLE 4.—SHOWING INFANTILE DEATHS IN WARDS FOR THE PAST FIVE YEARS.

YEARS.	WARDS.							TOTAL.
	1	2	3	4	5	6	7	
1909-10	6	9	5	7	7	4	3	41
1910-11	12	13	9	16	11	9	16	86
1911-12	13	8	14	12	10	11	19	87
1912-13	6	5	8	16	10	10	13	68
1913-14	5	8	8	11	7	9	8	56

INFANTILE MORTALITY.
CHART.

The following columns and table exhibit the Infantile Mortality Figure for the past seven years:—



The shaded portions of the columns represent the proportion of infantile deaths due to diseases of the Alimentary Tract.

	YEAR.						
	1907-8	1908-9	1909-10	1910-11	1911-12	1912-13	1913-14
No. of Infant Deaths ...	89	62	41	86	87	68	56
Infantile Mortality Figure ...	91.7	67.3	45.4	90.3	98.5	74.8	60.9

The following table shows the comparative rates (Europeans) from the principal towns of South Africa:—

	Population	Birth Rate.	Death Rate.	Infantile Mortality.	Phthisis Death Rate.
Johannesburg ...	134,000	31.87	8.98	84.99	0.41
Pretoria ...	28,800	29.8	7.6	67.0	0.4
Bloemfontein ...	13,000	30.0	6.92	69.23	0.008
Capetown, City ...	80,863	27.94	13.1	108.08	1.28
„ (Original Municipality)	32,415	24.40	13.11	92.29	1.39
Durban ...	36,600	28.1	8.6	60.9	0.55

INFECTIOUS DISEASES.

During the past year there have been no cases of Plague, Small-pox or Malaria notified in the Borough, and excepting Dengue Fever, there has been no epidemic or outbreak of any infectious disease.

The total number of cases of infectious diseases notified to the Health Department was 681, as compared with 726 in 1912-13, and 771 in 1911-12. Every notifiable infectious disease has shown a slight decrease, with the exception of Scarlet Fever, which increased from 27 cases the previous year to 65 in 1913-14, of whom 18 were isolated at Congella Infectious Diseases Hospital.

Of the 681 cases of infectious disease notified, 458 were of people residing in the Borough, and in 223 cases the disease had been contracted elsewhere, and the patients were either brought into the Borough for treatment or subsequently developed the disease in Durban within the incubation period.

Out of the eleven notifiable diseases on our schedule, the number of deaths amongst the 458 Borough cases mentioned were 85, of whom 41 were cases of Consumption of the Lungs.

It may be pointed out that all infectious diseases are not made notifiable; Measles, Whooping Cough and Chicken-pox are not included in the list. The Health Department are, however, in a position to hear of any special incidence of these diseases in the Borough, and their assistance is always available for such cases—even to the extent of hospital isolation when required in the interests of public health.

From the following table it will be noticed that the total European Borough cases notified remains remarkably stationary, viz., 358 for the past year, 354 for the previous year, and 349 for 1911-12.

The number of cases notified as Dysentery remain about the same as other years. As I have previously reported, many of the cases notified are not true *Dysentery*, but *Diarrhœa* of a more or less acute or severe nature, caused

not by the organisms producing Dysentery, but by irritating or improper foodstuffs, and it might be discussed whether Dysentery should remain any longer on the list of notifiable diseases.

Diphtheria shows a considerable reduction on the total of the previous year. Personal infection from a sick, or a carrier, to a healthy person accounts for every case. No case of this disease is now allowed to return to school until three successive swabs from the throat have in bacteriological culture and examination been proved negative. Antitoxin is supplied gratis to cases where the medical attendant certifies that the parents are too poor to pay for this remedy.

Enteric Fever shows a fair decrease, but it is to be regretted that more advantage is not taken of the services available at the Laboratory in diagnosing this disease. The carrying out of a Widal Reaction would in many cases enable the medical attendant to arrive at a diagnosis days, and in some cases weeks, before clinical symptoms alone seem to do. With the arrival of Dr. Walker, who is an exceptionally qualified bacteriologist, we hope to assist medical practitioners more in the future, as regards diagnosis of infectious cases.

There have been 32 new cases of Phthisis amongst European burgesses of the Borough during the past year. The number of cases from outside the Borough has slightly diminished during the year, but the total of these cases far transcend the Borough cases still. Many of these, although living in the environs of Durban, are working in the Borough, and, consequently, if their work places instead of their homes, or even both, were taken as the criterion of domicile, the Borough numbers would be considerably increased.

Phthisis amongst Natives working in the Borough is slightly less, and the number of Natives coming from outside for examination has lessened by 50 per cent.

The number of Indians from outside the Borough visiting the Bureau has, however, increased. They are appreciating more the services rendered, and taking advantage of the advice and treatment given. Many of these come from Overport, Cato Manor, Umgeni, Sydenham, etc. Indians resident in the Borough show a considerable decrease on last year's numbers, and a decrease of 65 per cent. over the number notified in 1911-12.

Nearly 50 per cent. of all cases of infectious disease have been treated in hospitals, the figure being roughly that of previous years, or perhaps even better.

During the past summer, and lasting for about three months, a fairly widespread outbreak of Dengue Fever occurred. There were no deaths, but some of the patients had severe attacks, the after effects of which last for a considerable period. A circular was issued from this Department, drawing the attention of burgesses to the necessity for mosquito extermination on their premises, and outlining the chief haunts of these insects and some of the methods best fitted for their destruction. The Corporation still continue the services of the Mosquito Brigade for the destruction of all mosquito larvæ in any swampy or vlei lands belonging to the Municipality.

TABLE OF CASES OF NOTIFIABLE INFECTIOUS DISEASES
ARRANGED ACCORDING TO RACES, 1913-14.

Disease.	Europeans.		Natives		Asiatics		Total	
	Boro'.	Imp.	Boro'.	Imp.	Boro'.	Imp.	Boro'.	Imp.
Plague ...	0	0	0	0	0	0	0	0
Dysentery ...	51	9	18	7	12	4	81	20
Smallpox ...	0	0	0	0	0	0	0	0
Diphtheria ...	113	11	2	0	1	0	116	11
Erysipelas ...	8	0	0	0	1	0	9	0
Scarlet Fever ...	57	7	1	0	0	0	58	7
Enteric Fever ...	89	48	21	11	3	2	113	61
Puerperal Fever ...	0	0	0	0	0	0	0	0
Leprosy ...	0	0	1	0	3	3	4	3
Phthisis ...	32	48	8	24	32	54	72	126
Cerebro-Spinal Meningitis	0	0	0	0	0	0	0	0
Totals ..	350	123	51	42	52	63	453	228
Treated in Hospital	138	75	38	33	34	54	210	162
Treated at home or privately ...	212	48	13	9	18	9	243	66

TABLE SIMILAR TO THE FOREGOING FOR COMPARISON CONTAIN-
ING NUMBER OF NOTIFICATIONS OF PREVIOUS YEAR, 1912-13.

Disease.	Europeans.		Natives.		Asiatics.		Total.	
	Boro'.	Imp.	Boro'.	Imp.	Boro'.	Imp.	Boro'.	Imp.
Plague ...	0	0	0	0	0	0	0	0
Dysentery ...	33	6	21	8	17	2	71	16
*Smallpox ...	0	1	0	0	0	0	0	1
Diphtheria ...	137	15	0	0	8	0	145	15
Erysipelas ...	6	0	0	0	1	0	7	0
Scarlet Fever ...	24	3	0	0	0	0	24	3
Enteric Fever ...	118	57	12	0	1	0	131	57
Puerperal Fever ...	2	0	0	0	2	0	4	0
Leprosy ...	0	0	0	1	1	1	1	2
Phthisis ...	34	62	19	38	54	42	107	142
Cerebro-Spinal Meningitis	0	0	0	0	0	0	0	0
Totals ..	354	144	52	47	84	45	490	236
Treated in Hospital	130	71	34	38	51	38	215	147
Treated at home or privately ...	224	73	18	9	33	7	275	89

* Case of Small-pox occurred outside of Borough, and brought in for treatment.

DYSENTERY.

The following table shows the cases notified and deaths registered during the past six years:—

Year.	1908-9.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.	
						Borough	Imported
Cases	72	80	153	107	87	81	20
Deaths	15	15	27	28	20	11	7

Case Mortality, 13.58 per cent.

Incidence per 1,000 of population, 1.069 (all Races).

RACE AND SEX DISTRIBUTION.

	Male.	Female.	Total.	Deaths.
European	31	20	51	2
Native	15	3	18	7
Asiatics	10	2	12	2
Totals	56	25	81	11

WARD DISTRIBUTION OF CASES.

Wards ...	1	2	3	4	5	6	7	Imported.	Total.
European ...	10	4	3	6	6	11	11	9	60
Native ...	3	1	0	5	0	7	2	7	25
Asiatic ...	5	1	0	2	1	2	1	4	16
Totals ...	18	6	3	13	7	20	14	20	101

The houses of 70 were provided with water closets, and at 4 the pail system was in use.

NUMBER OF ROOMS IN INFECTED HOUSES.

Rooms.	1	2	3	4	5	6	7	Over 7	Institutions.	Totals.
European	14	2	2	7	12	5	4	3	2	51
Native	12	1	0	0	0	0	0	0	0	13
Asiatic	10	0	0	0	0	0	0	0	0	10
Totals	36	3	2	7	12	5	4	3	2	74

AGE DISTRIBUTION—EUROPEAN.

Age	0-5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	65-75	Totals
Male	4	4	3	1	5	6	3	3	2	0	31
Female	4	5	0	0	1	5	1	3	1	0	20
Totals	8	9	3	1	6	11	4	6	3	0	51

COLOURED RACES.

	Adults.	Children.	Total.
Natives	16	2	18
Asiatics	12	—	12

SANITARY CONDITIONS.—The structural and sanitary conditions of buildings and surroundings at the houses where the cases resided were:—

Good.	Fair.	Poor.	Bad.	Total.
6	47	19	2	74

CLEANLINESS.—So far as cleanliness of the interior of the dwellings and their surroundings was concerned, they might be classed as:—

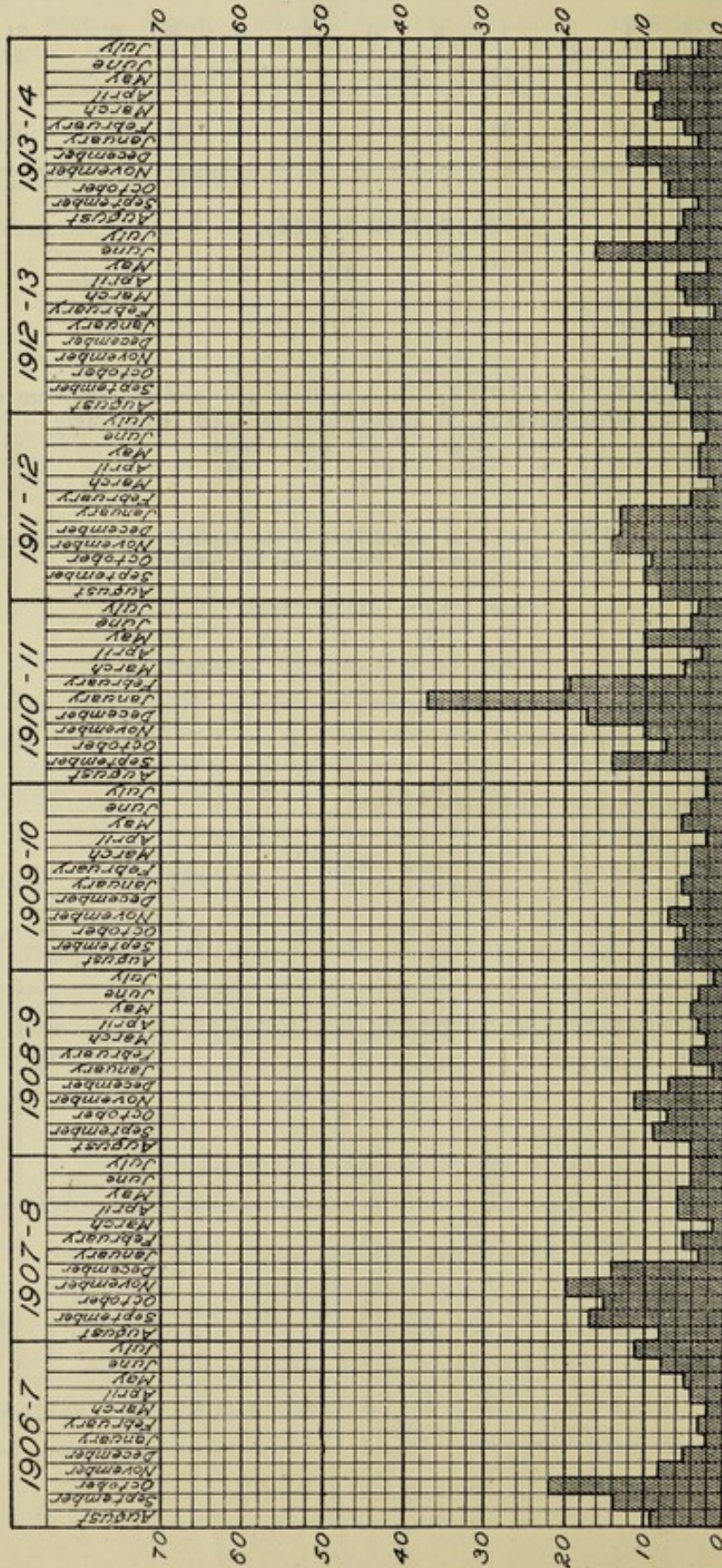
Clean.	Fair.	Dirty.	Total.
32	33	9	74

The residences were not found of

5 Natives and
2 Asiatics.

The following Chart shows graphically the monthly notifications of Dysentery for the past seven years:—

DYSENTERY NOTIFICATIONS.



ENTERIC FEVER.

The following table shows the total number of cases of Enteric Fever notified and deaths recorded during the past six years:—

Year	1908-9.	1909-10.	1910-11	1911-12	1912-13.	1913-14	
						Borough	Imported
Cases	48	45	55	123	188	113	61
Deaths	4	4	4	18	19	25	9

Case Mortality, 22.124 per cent.

Case Incidence per 1,000 of Population=1.49 (All Races).

RACE AND SEX DISTRIBUTION.

	Male	Female	Total	Deaths
European	66	23	89	16
Native	17	4	21	9
Asiatic	3	—	3	—
Totals	86	27	113	25

WARD DISTRIBUTION.

Wards	1	2	3	4	5	6	7	Impt.	Total.
Cases	27	19	13	6	10	23	15	61	174

SIZE OF HOUSE.

Rooms	1	2	3	4	5	6	7	Over 7	Institution.	Total.
European	24	3	2	17	11	13	6	11	2	89
Asiatic	1	1	0	0	0	0	0	0	0	2
Native	18	0	0	0	0	0	0	0	1	19
Totals	43	4	2	17	11	13	6	11	3	110

The houses of 108 were provided with water closets, and at 2 the pail system was in use.

WIDAL RE-ACTION.

During the year 77 specimens of blood from suspected cases of Enteric have been submitted to me for examination. Of these 15 were positive and 62 negative.

AGE DISTRIBUTION—EUROPEANS.

Age ...	0-5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	Total.
Male	1	4	3	6	11	28	8	3	2	66
Female	1	4	2	6	1	7	1	1	0	23
Totals	2	8	5	12	12	35	9	4	2	89

SANITARY CONDITIONS.—The sanitary conditions existing at houses where cases resided were:—

Good.	Fair.	Poor.	Bad.	Total.
15	68	23	4	110

CLEANLINESS.—So far as cleanliness of the dwellings and the surroundings was concerned they might be classed as:—

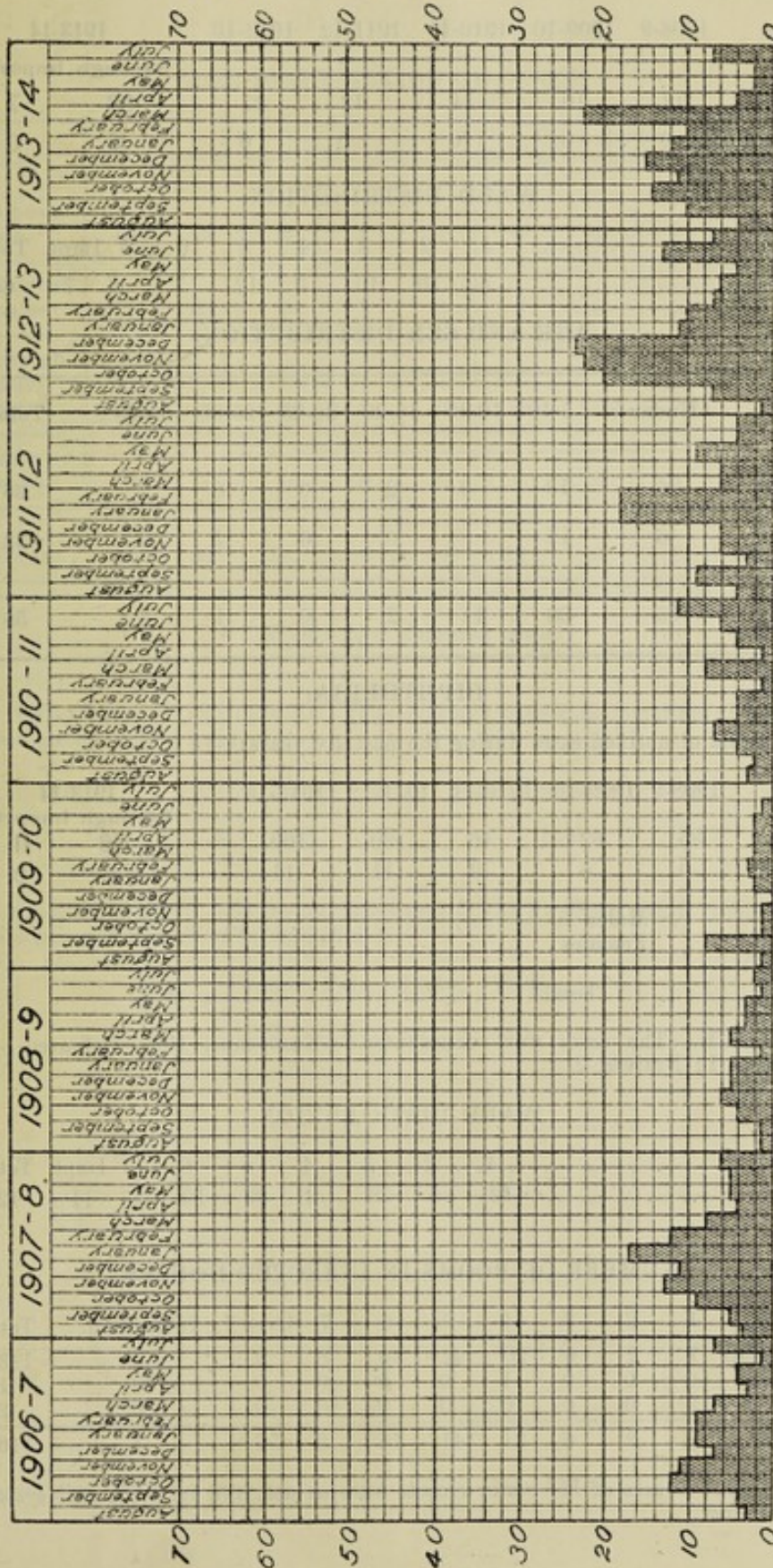
Clean.	Fair.	Dirty.	Total.
61	38	11	110

The residences were not found of

- 2 Natives.
- 1 Asiatics.

The subjoined Chart shows the Monthly Distribution of Enteric during the past seven years:—

ENTERIC FEVER NOTIFICATIONS.



SCARLET FEVER.

The following table shows the cases notified and deaths from Scarlet Fever registered during the past six years:—

Year.	1908-9	1909-10	1910-11	1911-12	1912-13	1913-14	
						Borough Imported	
Cases	11	10	14	12	27	58	7
Deaths	0	0	0	0	0	0	0

WARD DISTRIBUTION.

Wards	1	2	3	4	5	6	7	Impt.	Total.
Cases	4	10	16	3	12	7	6	7	65

AGE AND SEX DISTRIBUTION.

Age	Under 5	5-10	10-15	15-20	20-25	25-35	50-55	Total
Male	6	13	3	2	0	0	2	26
Female	6	17	8	0	0	1	0	32
Totals	12	30	11	2	0	1	2	58

DIPHTHERIA.

Table of notified cases during the past six years:—

Year	1908-9	1909-10	1910-11	1911-12	1912-13	1913-14	
						Borough Imported	
Cases	35	62	46	130	160	116	11
Deaths	0	6	2	11	11	6	0
Males						49	
Females						67	
Total						116	

RACE.—The cases were distributed:—Europeans, 109; Coloured, 4; Asiatics, 1; Natives, 2.

WARD DISTRIBUTION.

Wards	1	2	3	4	5	6	7	Impt.	Total.
Cases	12	8	28	3	32	10	23	11	127

NUMBER OF ROOMS IN INFECTED HOUSES.

Rooms.	1	2	3	4	5	6	7	Over 7	Institution.	Total
European	7	2	6	20	41	16	8	9	4	113
Asiatic	0	0	0	1	0	0	0	0	0	1
Natives	2	0	0	0	0	0	0	0	0	2
Totals	9	2	6	21	41	16	8	9	4	116

In the houses of 113 water closets were in use, and in 3 the pail system was in use.

MONTHLY DISTRIBUTION OF CASES AND DEATHS.

	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March.	April.	May.	June.	July.	Total.
Cases	18	16	11	7	5	3	6	6	10	13	12	9	116
Deaths	1	0	0	1	0	0	2	0	0	0	1	1	6

AGE DISTRIBUTION OF CASES.

Age	0—5	5—10	10—15	15—20	20—25	25—35	35—45	55—65	TOTAL
European Males	13	19	6	1	1	4	0	2	46
*European Females	17	22	8	3	3	8	6	0	67
Native and Asiatic Males	0	1	0	2	0	0	0	0	3
Asiatic Females	0	0	0	0	0	0	0	0	0
TOTALS	30	42	14	6	4	12	6	2	116

* Includes four Coloured cases.

SANITARY CONDITIONS.—The sanitary conditions existing at houses where cases resided were:—

Good.	Fair.	Poor.	Bad.	Total.
33	76	7	—	116

CLEANLINESS.—So far as cleanliness of the dwelling and surroundings was concerned they may be classed as:—

Clean.	Fair.	Dirty.	Total.
97	8	1	116

TUBERCULOSIS.

TABLE 1.

YEAR.	EUROPEANS.				NATIVES				ASIATICS.			
	All Tuberculosis.		Phthisis.		All Tuberculosis.		Phthisis.		All Tuberculosis.		Phthisis.	
	Deaths.	Rate per 1,000 of Pop.	Deaths.	Rate per 1,000 of Pop.	Deaths.	Rate per 1,000 of Pop.	Deaths.	Rate per 1,000 of Pop.	Deaths.	Rate per 1,000 of Pop.	Deaths.	Rate per 1,000 of Pop.
1907-08	21	·70	18	·6	29	1·48	23	1·77	80	5·06	75	4·74
1908-09	20	·68	14	·48	20	1·25	13	0·82	58	3·85	51	3·39
1909-10	19	·59	18	·56	8	·49	6	·36	34	2·11	31	1·92
1910-11	21	·61	18	·52	7	·46	2	·11	28	1·64	25	1·47
1911-12	26	·71	23	·63	5	·27	5	·27	54	3·09	49	2·8
1912-13	19	·53	18	·50	7	·34	5	·25	31	1·72	26	1·44
1913-14	22	·6	20	·55	6	·27	2	·1	27	1·47	19	1·03

TABLE 2.—DEATHS FROM ALL FORMS OF TUBERCULOSIS
SINCE 1907.

	1907-8	1908-9	1909-10	1910-11	1911-12	1912-13	1913-14	Total Deaths for 7 Years.	Annual Average Mortality.
European,	21	20	19	21	26	19	22	148	21
Native,	29	20	8	7	5	7	6	82	12
Asiatic,	80	58	34	28	54	31	27	312	45
Totals,	130	98	61	56	85	57	55	542	77

PHTHISIS.

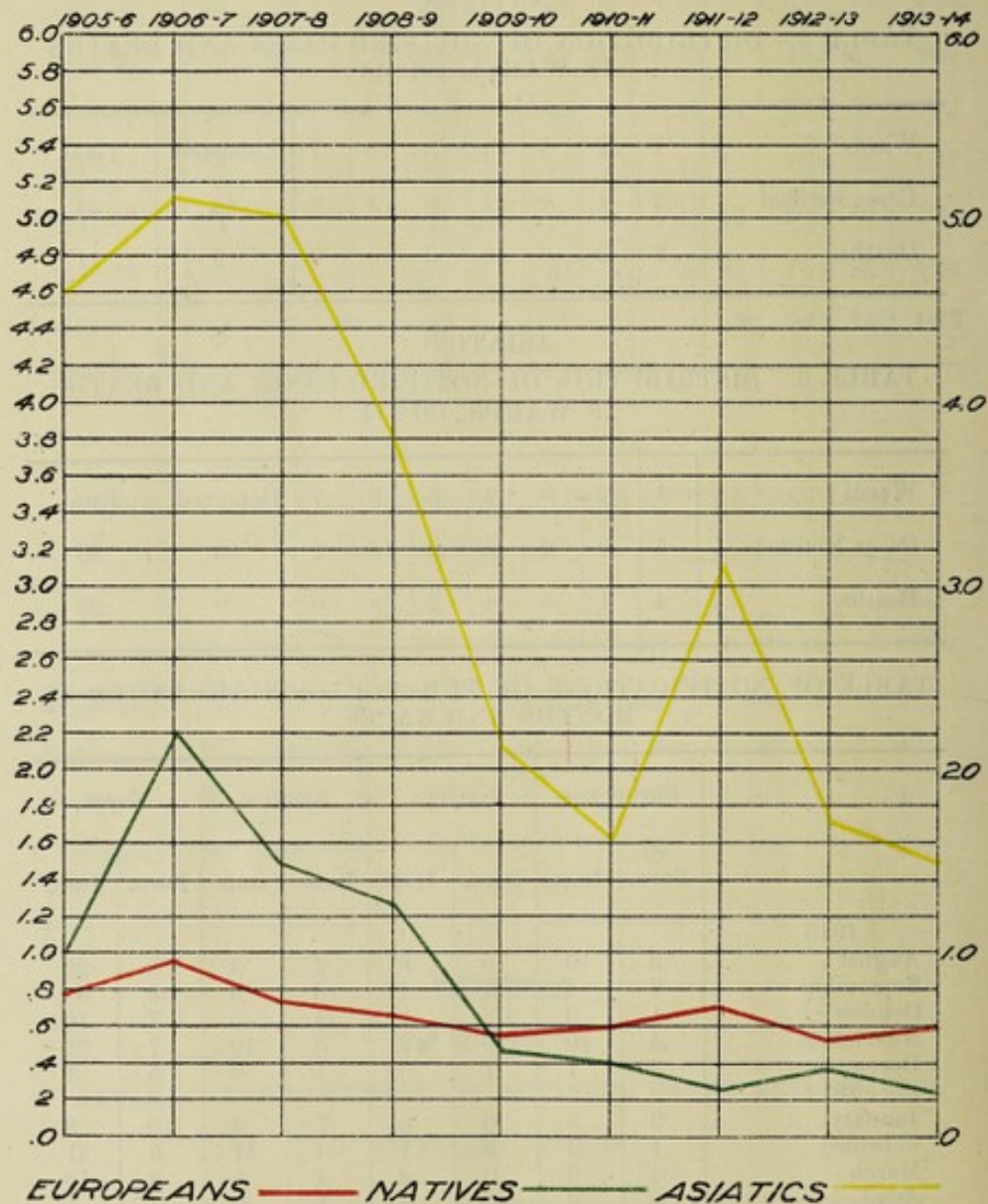
EUROPEANS.

TABLE 3.—DISTRIBUTION OF NOTIFIED CASES AND DEATHS
IN WARDS, 1913-14.

Wards	1	2	3	4	5	6	7	Imported.	Total
No. of Cases...	4	7	2	7	6	2	4	47	79
Deaths	3	2	1	5	2	4	3	13	20

DEATH RATE FROM TUBERCULOSIS.

Chart showing the Death Rate per 1,000 from Tuberculosis amongst Europeans, Asiatics and Natives during the past nine years:—



INFECTIOUS DISEASES HOSPITAL.

At the commencement of this Municipal Year, the Town Council had three separate Infectious Diseases Hospitals, two facing the Indian Ocean and one at Congella. One of the first-named hospitals, utilised for the purpose of isolating cases of infectious disease amongst Natives and Indians, had been neglected and was in a state of disrepair, but the other one, situated near the Ocean Beach improvement area, was in a very serviceable condition. Owing, however, to the buildings being on the line near the Ocean Beach tramway route to Umgeni, it was necessary to demolish them.

At the end of the year, therefore, the hospital at Congella remains the only provision for the isolation of infectious disease cases.

During the past year, 39 cases of infectious diseases have been isolated at the Infectious Diseases Hospital, Congella, viz.:—

DISEASES	European	Coloured	Native	Asiatic	Total
Scarlet Fever ...	17	1	0	0	18
Diphtheria ...	11	1	2	0	14
Chicken Pox ...	0	0	3	0	3
Measles ...	0	0	1	1	2
Total ...	28	2	6	1	37

Two cases of suspected Scarlet Fever (1 European and 1 Native) were removed to the hospital, but were found on admission not to be suffering from any infectious disease.

The average length of duration in hospital for cases of Scarlet Fever was 37 days, Diphtheria 16 days, and Chicken-pox 15 days.

No cases of infectious disease were removed to the hospital unless they constituted a danger to the public health, due in most cases to the impossibility of proper isolation at their own homes. Several patients suffering from infectious diseases have had to be refused owing to lack of accommodation.

The hospital was staffed for 249 days during the year with nurses obtained from local nursing institutions, and the total cost of maintenance was £683.

During the year the Town Council resolved to appoint a permanent nurse in charge of the hospital, and this post has now been filled. I am pleased to state that the new arrangement is a great improvement on the previous method, and, in addition, is much more economical.

The Town Council had decided to proceed with the erection of a modern Infectious Diseases Hospital. Sketch plans were submitted by the Borough Engineer, and after consideration of them instructions were issued to prepare complete plans with specifications and quantities. These were laid before the Public Health Committee during the week in which war was declared. It was resolved that, for financial reasons arising out of the war crisis, that consideration be postponed.

The provision of hospital accommodation for infectious diseases is one of the most pressing and necessary municipal improvements requiring attention, and when the time is again favourable for entertaining the question, I shall not fail to bring it before you.

DISINFECTING STATION.

The following is a summary of the work performed at the Disinfecting Station during the past year:—

DISINFECTIONS.

Months	Houses or Rooms	Mattresses	Blankets	Sheet-	Articles of Clothing	General Articles	Totals
1913							
August ...	84	114	174	233	744	1079	2428
September ...	61	224	532	292	662	924	2695
October ...	71	91	160	138	495	861	1816
November ...	78	96	153	143	505	605	1580
December ...	55	70	114	148	610	762	1759
1914							
January ...	48	75	134	91	513	662	1523
February ...	57	97	118	183	661	664	1780
March ...	62	70	111	184	665	802	1894
April ...	48	168	187	146	473	1057	2079
May ...	57	89	198	113	486	680	1623
June ...	40	60	556	87	633	859	2235
July ...	66	88	248	267	930	1013	2612
Totals ...	727	1242	2685	2625	7,377	9,968	24,024
Previous Year's Work ...	769	1126	2280	2010	11,280	10,834	28,299

PUBLIC BATHS, OCEAN BEACH BATHING ENCLOSURE, AND
OPEN AIR SWIMMING BATH.

The following table shows the Washing done during the past year at the Disinfecting Station in connection with the Ocean Beach Bathing Enclosure, Swimming Baths, and Public Baths:—

Months.	Towels.	Ladies' Costumes.	Gent's Costumes	Drawers.	Ladies' Sheets	Plain Sheets.	Totals.
1913							
August ...	15440	1430	6130	1225	55	15	24295
September ...	12030	976	4670	1350	97	19	19142
October ...	15080	1069	4360	1730	52	9	22300
November ...	18770	1085	6175	2275	87	19	28411
December ...	22690	1470	8970	4080	66	51	37327
1914							
January ...	28460	1890	12920	3610	53	4	46937
February ...	21240	1257	8320	2893	48	4	33762
March ...	18620	987	7470	1350	28	0	28455
April ...	19540	1357	8500	1930	30	4	31361
May ...	14140	911	5840	1196	34	2	22123
June ...	13300	799	5045	770	64	2	19980
July ...	22740	1812	10670	1720	65	34	37041
Totals ...	222,050	15,043	89,070	24,129	679	163	351,134
Previous Year's Work ...	225,320	16,272	76,765	28,998	575	109	348,039

INFECTIOUS DISEASES: PAIL SERVICE.

The following table shows the number of Infectious Diseases Pails supplied and dealt with at cases of Enteric Fever and Dysentery where sewerage is not connected up or available:—

Months.	Pails.
1913.	
August	3
September	—
October	9
November	—
December	—
1914.	
January	—
February	—
March	—
April	—
May	—
June	—
July	—
Total	12
Previous year's work	41

ABATTOIR.

At the commencement of the year an Abattoir Committee was appointed. For the past three years the Public Health Committee had dealt with all matters relating to the Abattoir. With the opening of the new Abattoir in July the Abattoir Director, Mr. Barnes, took over all matters connected with the work with the approval of the Committee. During my holiday in Europe in 1913, I visited a great number of Abattoirs in Great Britain and on the Continent, particularly Germany, where Abattoir development has probably reached perfection. A recently erected Abattoir in Dresden I visited cost that Municipality £1,000,000, while the Cologne Abattoir cost quite £500,000. Any knowledge I possess of Abattoirs is, of course, at the disposal of the Director and Committee at all times. I regard the erection and control of our Abattoirs by this Municipality as a necessary advance in the interests of Public Health of this Borough.

Annexed are certain statistics relating to the old Abattoir at the Point which were finally evacuated on the 1st August, 1914.

KILLED AND PREPARED AT THE MUNICIPAL ABATTOIR FROM AUGUST 1st, 1913, TO JULY 31st, 1914.

Month	Cattle	Calves	Sheep	Tripes	Heads	Sets Feet	Sets Trotters	Sheep sold on Leg
1913								
August ...	773	1	1674	155	1	6	...	20
September	691	...	515	100	...	...	...	202
October ...	625	1	783	148	...	...	48	147
November	648	2	2453	183	...	6	50	534
December	701	1	2934	129	...	...	...	586
1914								
January ...	679	...	2985	155	...	...	...	475
February	628	9	3682	88	6	7	...	207
March ...	757	16	4052	147	16	16	...	386
April ...	849	10	4645	60	...	...	...	557
May ...	978	4	5115	165	...	...	...	1644
June ...	1031	1	5360	124	...	...	...	1137
July ...	1243	10	4090	53	...	...	...	419
Totals ...	9603	55	38,288	1507	23	35	98	6314
Previous Year's totals	7615	50	19,437	1657	32	54	154	1485

BROUGHT TO THE ABATTOIR FOR SALE.

Months	Carcases of Beef	Carcases of Mutton	Carcases of Pork	Carcases of Veal
1913				
August ... ..	...	...	368	...
September	9	...	251	...
October ... ..	...	...	185	1
November ... ..	...	80	61	...
December ... ..	...	..	236	2
1912				
January ... ..	...	...	132	...
February ... ..	...	...	203	1
March ... ..	...	...	173	...
April ... ..	...	...	95	...
May ... ..	...	74	429	...
June ... ..	...	...	268	1
July ... ..	...	...	412	...
Totals	9	154	2813	5
Previous year's total	41½	35	2514	2

CARCASSES, VISCERA, ETC., CONDEMNED AND DESTROYED,
BEING UNFIT FOR HUMAN FOOD.

Months	Carcases of Beef	Qrs. of Beef	Carcases of Veal	Qrs. of Veal	Carcases of Mutton	Qrs. of Mutton	Carcases of Pork	Qrs. of Pork.
1913								
August ..	3	2	...	...	8	...	55	...
September	4	...	...	...	2	...	23	...
October ...	6	3	...	...	...	...	24	1
November	4	1	...	...	3	2	10	...
December	...	...	...	...	3	2	19	...
1914								
January ...	1	...	...	...	23	...	7	...
February	...	...	...	...	45	...	6	...
March ...	3	...	...	...	84	...	24	...
April ...	6	...	1	...	27	...	9	...
May ...	2	1	...	...	62	...	40	...
June ...	1	...	...	...	63	...	18	...
July ...	11	...	...	...	71	...	25	...
Totals ...	41	7	1	...	391	4	260	1
Previous year's totals	28	7	...	...	166	4	192	...

DISEASES NECESSITATING SEIZURE AND CONDEMNATION.

	Beef	Mutton	Pork
Tuberculosis	14	..	...
Sarcoma	4	3	...
Injury	3	15	1
Moribund	2	61	...
Malignant Oedema	1	...	...
Cysticercus Cellulosæ ... ..	...	...	257
Hydremia and Emaciation ...	19	209	2
Dropsy ... ..	...	101	...
Traumatic Peritonitis ... ..	...	...	...
Pyæmia	4	...	...
Bone & Taint Decomposition	1	...	...
Abscess ... ..	...	6	1
Septic Metritis	1	...	...
	49	395	261

Months	Heads	Tongues	Lungs	Hearts	Livers	Spleens	Stomachs	Intestines	Kidneys	Totals
1913										
Aug.	6	6	57	7	264	8	21	1471	8	1848
Sept.	3	3	31	5	83	3	3	373	6	510
Oct.	9	9	28	31	134	8	9	746	18	992
Nov.	6	6	119	8	242	3	6	2123	4	2517
Dec.	1	1	165	11	854	1	4	2536	4	3577
1914										
Jan.	3	3	215	3	852	2	13	2340	5	3436
Feb.	6	3	279	6	1242	1	4	3463	6	5010
March	15	8	341	9	1835	4	7	3638	3	5860
April	15	12	533	12	2376	6	6	4578	19	7557
May	6	2	675	4	2716	2	4	5117	4	8530
June	...	1	618	18	2901	3	3	4802	1	8347
July	17	18	837	12	1888	10	11	2593	19	4905
Totals	87	72	3398	126	15387	51	91	33780	97	53089

. The Viscera were condemned, being affected with either of the following diseases :—

Tuberculosis.
 Actinomycosis.
 Distoma Hepaticum.
 Tinea.
 Aesophagastumum.
 Melanosis.
 Echinococcus Veterinorum.
 Sarcoma.
 Cysticercus Tenuicollis.
 Pyoemic Abscess.
 Columbianum.

BACTERIOLOGICAL LABORATORY.

The following examinations have been made in the Laboratory attached to the Public Health Department during the past year:—

	Negative.	Positive.	Total.
Tubercle Bacilli	361	66	427
Diphtheria Bacilli	664	140	804
Widal Reaction for Enteric	62	15	77
Bilharzia	—	1	1
Meningitis	1	—	1
Gonococci	9	3	12
Malaria	1	—	1
Leprosy Bacilli	1	—	1
Totals	1,099	225	1,324

TOTAL EXAMINATIONS FOR THE PAST EIGHT YEARS.

1906-7.	1907-8.	1908-9.	1909-10.	1910-11.	1911-12.	1912-13.	1913-14.
*5,919	137	187	226	323	*1,970	1,367	1,324

* Chiefly Plague Examinations.

STAFF

The constitution of the Staff is as follows.—

Medical Officer of Health ... ..	...	...	...	...	...	P. Murison
Chief Inspector of Nuisances ... ..	...	...	...	...	...	W. C. Daugherty
Special Sanitary Inspector ... ..	...	...	...	...	...	R. Walker
Assistant Inspectors of Nuisances ... ..	...	...	...	...	...	J. Kendall Thos. Hyslop W. Thomson J. Wood A. Kelso F. W. Holmes W. G. Smith W. G. Pearce
Clerk ... ..	...	...	...	...	...	E. Posner
Clerk ... ..	...	...	...	...	...	A. M. McIver
Clerk ... ..	...	...	...	...	...	F. W. Burne
Messenger... ..	...	...	...	...	...	R. Wind
Superintendent, Disinfecting Station ... ..	...	...	...	...	...	E. Schulthess
Assistant Disinfector ... ..	...	...	...	...	...	C. D. Morning
Municipal Nurse... ..	...	...	...	...	...	P. G. Salmon

TUBERCULOSIS BUREAU

Tuberculosis Medical Officer (to 31st March, 1914)	B. Adams
Nurse	A. Twamley

ABATTOIR

Director	W. G. Barnes
Inspector	R. McDonald

P. MURISON, M.D., B. Sc., D.P.H.

Medical Officer of Health.

