CITY OF PIETERMARITZBURG

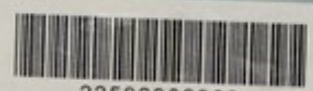
ANNUAL REPORT

OF THE

Medical Officer of Health

For the Twelve Months
1st July, 1950 to 30th June, 1951

N.W. Ltd. 10813



CITY OF PIETERMARITZBURG.

PUBLIC HEALTH DEPARTMENT.

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REPORT OF THE MEDICAL OFFICER OF HEALTH ON THE PUBLIC HEALTH AND SANITARY CIRCUMSTANCES OF THE CITY OF PIETERMARITZBURG FOR THE YEAR ENDED JUNE 30th, 1951.

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BY

M.MAISTER, B.A., M.B., Ch.B., D.P.H.

MEDICAL OFFICER OF HEALTH.

INTRODUCTORY.

CITY OF PIETERMARITZBURG.

PUBLIC HEALTH DEPARTMENT.

To
His Worship the Mayor
and Members of the Council of the
City of Pietermaritzburg.

Ladies and Gentlemen,

I have the honour to present the Annual Report on the Health and Sanitary Circumstances of the City of Pietermaritzburg, for the year ending 30th June, 1951.

The general Death Rate again improved this year, and the Infantile Mortality Rate also showed an improvement in all Races.

The incidence of notifiable infectious disease was higher this year than last year, the increase being divided between Pulmonary Tuberculosis in Asiatics and Scarlet Fever in Europeans.

There was a severe outbreak of Mumps, a non-notifiable infectious disease, this year.

The considerable housing needs of the Non-European population are hardly touched at all by the small amount of National Housing provided by the City Council. Private dwelling construction for Europeans is going forward at an excellent rate.

I wish to express my thanks to all members of the Staff for the high level of efficiency maintained in the Department throughout the year.

In conclusion I wish to record my appreciation of the support readily given to me at all times by the Mayor and Chairman and members of the Public Health Committee, and of the cordial co-operation of the various Municipal Heads of Departments.

I have the honour to be,

Ladies and Gentlemen,

Your obedient servant,

M.Maister

MEDICAL OFFICER OF HEALTH.

I N D E X.

Index. Report "A". Cont'd.

CLIMATE AND RATEABLE VALUE.

Latitude - 29 degrees, 36 minutes, 4 seconds south.
Longitude - 30 degrees, 22 minutes, 46 seconds east.
Altitude - At Market Square : 2,160 feet.

TEMPERATURE AND RAINFALL :

	RAINFALL IN INCHES.	ATMOSPHERIC TEMPERATURE			RELATIVE HUMIDITY Average Daily Percentage
		Av.Daily Maximum. °	Av.Daily Minimum. °	Av.Daily Mean. °	
1950.					
July	1.13	73.6	40.2	56.9	79.2%
August	2.22	76.1	48.0	62.0	83.8%
September	0.39	81.0	53.4	67.2	72.4%
October	2.13	85.5	54.7	70.1	65.5%
November	2.38	82.1	58.4	70.2	68.9%
December	4.95	81.4	62.0	71.7	75.9%
1951.					
January	7.30	79.8	59.5	69.6	77.8%
February	2.78	86.0	62.2	74.1	76.5%
March	2.62	82.3	61.0	71.6	79.5%
April	1.34	81.3	54.1	67.7	80.3%
May	0.13	75.2	46.7	60.9	76.9%
June	0.15	73.9	35.1	54.5	69.7%
Total :	27.52				

AREA OF MUNICIPALITY : 31,080.11623 acres

Value of Rateable Property : £18,478,065. 0. 0d.

Exempted Property : £6,286,180. 0. 0d.

RATES: General - 3½d. per £

Water - ½d. per £

CITY OF PIETERMARITZBURG.

LEADING VITAL STATISTICS.

YEAR ENDING 30th June, 1951.

(Average Rate for period 1942-1951 in brackets for comparison).

	European	Native	Coloured	Asiatic.
* POPULATION (Estimated)	29,690	19,010	3,250	15,885
BIRTHS REGISTERED. BIRTH RATE (per 1,000 Populn.)	636 21.4 (24.3)	272 14.3 (22.1)	165 50.8 (56.5)	840 52.9 (53.5)
ILLEGITIMATE BIRTHS. (Percentage of total births).	4 0.6% (1.5%)	113 41.5% (51.7%)	35 20.0% (23.9%)	10 1.2% (1.7%)
DEATHS CRUDE DEATH RATE. (Corrected for outward transfer)	281 9.5 (10.9)	213 11.2 (13.9)	41 12.6 (18.6)	125 7.9 (12.9)
INFANTILE MORTALITY (Up to 1 Yr.) DEATHS RATE (Per 1,000 Births).	15 23.6 (26.0)	62 228 (189.3)	8 48.5 (84.0)	27 32.1 (66.6)
DEATHS in children from 1 - 4 years (incl.) RATE (Per 1,000 Population).	4 0.13 (0.23)	24 1.26(2.1)	8 2.46 (2.15)	6 0.38 (1.3)
PULMONARY TUBERCULOSIS. Code No. 015. DEATHS. RATE (Per 1,000 Population.)	2 0.07 (0.24)	20 1.05(1.6)	3 0.93 (1.98)	9 0.57 (1.2)
TUBERCULOSIS - OTHER FORMS. Code Nos. 016 - 025. DEATHS. RATE (Per 1,000 Population).	0 0 (0.03)	6 0.32 (0.4)	1 0.31 (0.38)	2 0.13 (0.3)
ENTERIC FEVER. Code No. 001. DEATHS. RATE (Per 1,000 Population).	0 0 (0.03)	2 0.11 (0.3)	0 0 (0.14)	0 0 (0.2)
CANCER AND OTHER TUMORS. Code Nos. 100 - 136. DEATHS. RATE (Per 1,000 Population).	39 1.31 (1.4)	5 0.26 (0.2)	3 0.92 (0.4)	3 0.19 (0.4)
DISEASES OF THE HEART AND CIRCULATORY SYSTEM. Code Nos. 350 - 368. DEATHS. RATE (Per 1,000 Population).	115 3.9 (3.6)	21 1.1 (1.4)	8 2.46 (3.3)	20 1.26 (2.0)
BRONCHITIS AND PNEUMONIA Code Nos. 402 - 406. DEATHS. RATE (Per 1,000 Population).	11 0.37(0.6)	31 1.63 (2.4)	2 0.62 (2.1)	13 0.82 (1.5)

* (Temporary visitors and the Inmates of Gaols and Hospitals are not included).

BIRTHS AND DEATHS ARE CORRECTED FOR OUTWARD TRANSFERS ONLY.

(1) VITAL STATISTICS :

POPULATION:

This is an estimate of the population as at June 30th, 1951, calculated for Vital Statistical purposes. Temporary Visitors, the inmates of the Mental Hospital and Fort Napier Institution, the prisoners in the Gaols and the patients in the Hospitals and the Sanatorium are excluded. This estimate is based on the Government Census of May 8th, 1951.

	European	Native	Coloured	Asiatic	All Non-Eur.	All Races
Male	14,250	12,620	1,569	8,287	22,476	36,726
Female	15,440	6,390	1,681	7,598	15,669	31,109
PERSONS	29,690	19,010	3,250	15,885	38,145	67,835

TOTAL BIRTHS REGISTERED.

1) RESIDENTS.

	Male		Female		Persons			Percentage of illeg. to all Births.	Birth Rate per 1,000 Populn.
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total		
European	319	3	313	1	632	4	636	0.6%	21.4
Native	80	59	79	54	159	113	272	41.5%	14.3
Coloured	64	22	66	13	130	35	165	20.0%	50.8
Asiatic	444	6	386	4	830	10	840	1.2%	52.9
All Non.Eur.	588	87	531	71	1,119	158	1,277	12.4%	33.5
All Races	907	90	844	72	1,751	162	1,913	8.5%	28.2

2) NON-RESIDENTS

	Male		Female.		Persons			Percentage of Illegitimate to All Births
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total	
European	123	-	106	1	229	1	230	0.4%
Native	832	536	813	520	1,645	1,056	2,701	39.1%
Coloured	9	11	10	9	19	20	39	50.3%
Asiatic	37	3	32	3	69	6	75	8.0%
All Non-Eur.	878	550	855	532	1,733	1,082	2,815	38.4%
All Races	1,001	550	961	533	1,962	1,083	3,045	35.6%

All Birth Rates except the Coloured rate showed a small decrease for the third year in succession.

The European Birth rate decreased from 24.0 to 21.4, and the Native Birth rate from 14.9 to 14.3. The Coloured Birth rate rose from 35.3 to 50.8, and the Indian Birth rate dropped from 58.5 to 52.9.

DEATHS.

TOTAL DEATHS REGISTERED.

(1) RESIDENTS.

	Male		Female		Persons	
	Deaths	Rate per 1,000 Male Population	Deaths	Rate per 1,000 Female Population	Deaths	Death Rate (Per 1,000 Population)
European	146	10.2	135	8.7	281	9.5
Native	131	8.5	82	12.8	213	11.2
Coloured	18	11.5	23	13.7	41	12.6
Asiatic	81	9.8	44	5.8	125	7.9
ALL NON-EUR.	230	10.2	149	9.5	379	9.9
ALL RACES	376	10.2	284	9.1	660	9.7

(2) NON-RESIDENT.

European	:	105
Native	:	800
Coloured	:	18
Asiatic	:	37
All Non-Eur.	:	855
All Races	:	960

DEATHS. (Pages 5-7)

The European crude death rate was 9.5 as compared with 9.4 last year. 65% of the deaths occurred in persons over 65 years of age.

The Native death rate dropped from 12.9 to 11.2. The Coloured death rate dropped from 13.8 to 12.6, and the Indian death rate dropped from 10.9 to 7.9.. The death rate for all races was 9.7 as compared with 10.9 for last year.

The following figures indicate the percentage of deaths occurring below the age of 45 in the various races:-

European	:	14%	(19% last year)
Native	:	72%	(77% last year)
Coloured	:	66%	(54% last year)
Asiatic	:	58%	(74% last year)
All Non-European	:	67%	(73% last year)

These figures once again show how much better the expectation of life is for Europeans than for Non-Europeans. The table on page 7 also indicates that Cardiac and Circulatory disease far outweighs all other causes of death among Europeans. Among Non-Europeans, respiratory diseases, tuberculosis, heart disease, bowel infections and diseases of infancy are the commonest causes of death.

DEATHS AND DEATH RATES ..... /

DEATHS AND DEATH RATES (PER 1,000 POPULATION : VARIOUS CAUSES.
ABRIDGED LIST. (5th Decennial Revision of International List

RESIDENTS ONLY.

	European		Native		Coloured		Asiatic		All Non-Europeans		All Races	
1. Typhoid Fever	-	-	2	0.10	-	-	-	-	2	0.05	2	0.03
2. Plague	-	-	-	-	-	-	-	-	-	-	-	-
3. Meningococcal C.S. Meningitis	-	-	1	0.05	-	-	-	-	1	0.03	1	0.01
4. Scarlet Fever	-	-	-	-	-	-	-	-	-	-	-	-
5. Whooping Cough	-	-	1	0.05	-	-	-	-	1	0.03	1	0.01
6. Diphtheria	-	-	3	0.16	1	0.31	1	0.06	5	0.13	5	0.07
7. Pulmonary T.B.	2	0.07	20	1.05	3	0.92	9	0.57	32	0.8	34	0.50
8. T.B. Non-Pulmonary	-	-	6	0.31	1	0.31	2	0.12	9	0.24	9	0.13
9. Leprosy	-	-	-	-	-	-	-	-	-	-	-	-
10. Malaria	-	-	-	-	-	-	-	-	-	-	-	-
11. Syphilis (all forms).	1	0.03	7	0.37	1	0.31	1	0.06	9	0.24	10	0.15
12. Influenza	1	0.03	-	-	-	-	1	0.06	1	0.03	2	0.03
13. Smallpox	-	-	-	-	-	-	-	-	-	-	-	-
14. Measles	-	-	1	0.05	-	-	-	-	1	0.03	1	0.01
15. Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-
16. Cancer	39	1.31	5	0.26	3	0.92	3	0.19	11	0.29	50	0.74
17. Diabetes	4	0.13	-	-	1	0.31	-	-	1	0.03	5	0.07
18. Cerebral Haem.etc.	18	0.61	4	0.21	2	0.62	6	0.38	12	0.31	30	0.44
19. Cardiac Disease	98	3.30	16	0.83	5	1.54	15	0.94	36	0.94	134	1.98
20. Other Dis. of Circulatory System	17	0.57	5	0.26	3	0.92	5	0.32	13	0.34	30	0.44
21. Bronchitis and Pneumonia	11	0.37	31	1.63	2	0.62	13	0.82	46	1.21	57	0.84
22. Miner's Phthisis without T.B.	-	-	-	-	-	-	-	-	-	-	-	-
23. Miner's Phthisis with T.B.	-	-	-	-	-	-	-	-	-	-	-	-
24. Other Respiratory Diseases	10	0.34	5	0.26	-	-	3	0.19	8	0.21	18	0.27
25. Ulcer of Stomach and Duodenum	-	-	1	0.05	-	-	-	-	1	0.03	1	0.01
26. Diarrhoea and Enteritis (Under 2 years).	-	-	23	1.21	3	0.92	9	0.57	35	0.92	35	0.52
27. Appendicitis	1	0.03	-	-	1	0.31	-	-	1	0.03	2	0.03
28. Diseases of Liver and Biliary Passage	1	0.03	2	0.10	1	0.31	1	0.06	4	0.10	5	0.07
29. Nephritis	2	0.07	2	0.10	-	-	10	0.63	12	0.31	14	0.21
30. Puerperal sepsis	-	-	-	-	-	-	-	-	-	-	-	-
31. Diseases of Pregnancy, etc.	2	0.07	-	-	-	-	-	-	-	-	2	0.03
32. Congenital Malformations and Diseases of Early Infancy	9	0.30	15	0.79	-	-	15	0.94	30	0.79	39	0.57
33. Suicide	-	-	1	0.05	-	-	1	0.06	2	0.05	2	0.03
34. Other Violent Deaths	12	0.40	15	0.79	2	0.62	10	0.63	27	0.71	39	0.57
35. Other Defined Causes	53	1.78	45	2.37	12	3.69	20	1.2	77	2.02	130	1.92
36. Causes ill-defined	-	-	2	0.10	-	-	-	-	2	0.05	2	0.03
TOTAL :	281	9.5	213	11.2	41	12.6	125	7.9	379	9.9	660	9.7

SEASONAL OCCURRENCE OF DEATHS.

AMONG RESIDENTS.

	European			Native			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July, 1950	13	12	25	12	3	15	2	4	6	4	1	5	18	8	26
August	10	16	26	12	8	20	1	0	1	2	4	6	15	12	27
September	15	21	36	11	6	17	3	5	8	12	4	16	26	15	41
October	12	8	20	10	11	21	2	3	5	8	3	11	20	17	37
November	19	10	29	8	8	16	0	2	2	7	2	9	15	12	27
December	10	8	18	11	6	17	1	2	3	4	5	9	16	13	29
January	12	7	19	10	4	14	0	1	1	8	3	11	18	8	26
February	10	11	21	14	5	19	1	1	2	6	2	8	21	8	29
March	10	8	18	13	12	25	2	0	2	5	6	11	20	18	38
April	14	8	22	10	9	19	3	3	6	8	6	14	21	18	39
May	7	12	19	17	4	21	2	2	4	9	6	15	28	12	40
June, 1951	14	14	28	3	6	9	1	0	1	8	2	10	12	8	20
TOTAL :	146	135	281	131	82	213	18	23	41	81	44	125	230	149	379

DEATHS OF RESIDENTS GIVEN IN AGE GROUPS

	European			Native			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 yr.	7	8	15	28	34	62	5	3	8	16	11	27	49	48	97
1 - 2 yrs.	3	0	3	13	9	22	1	3	4	4	1	5	18	13	31
2 - 4 "	1	0	1	1	1	2	2	2	4	1	0	1	4	3	7
5 - 14 "	3	0	3	1	3	4	2	1	3	5	3	8	8	7	15
15 - 24 "	2	1	3	11	6	17	1	1	2	4	7	11	16	14	30
25 - 34 "	6	1	7	21	5	26	1	2	3	6	3	9	28	10	38
35 - 44 "	2	6	8	16	5	21	2	1	3	8	3	11	26	9	35
45 - 54 "	16	8	24	16	6	22	0	3	3	6	0	6	22	9	31
55 - 64""	18	16	34	9	8	17	1	3	4	8	5	13	18	16	34
65 - 74 "	46	38	84	6	4	10	1	3	4	16	9	25	23	16	39
75 and Over	42	57	99	9	1	10	2	1	3	7	2	9	18	41	22
TOTAL :	146	135	281	131	82	213	18	23	41	81	44	125	230	149	379

(1) Vital Statistics. Cont'd.

SUMMARY OF CAUSES OF DEATH.

(Classified into groups and expressed as Percentage of all deaths).

RESIDENTS ONLY.

	European	Native	Coloured	Asiatic
Acute Exanthemata	0 : 0	8 : 3.8%	1 : 2.4%	1 : 0.8%
Tuberculosis (all forms)	2 : 0.4%	26 : 12.2%	4 : 9.8%	11 : 8.8%
Syphilis	1 : 0.4%	7 : 3.3%	1 : 2.4%	1 : 0.8%
Other Parasitic and Infectious Diseases	2 : 0.7%	4 : 1.9%	1 : 2.4%	1 : 0.8%
Cancer	39 : 13.9%	5 : 2.3%	3 : 7.3%	3 : 2.4%
Diabetes	4 : 1.4%	0 : 0	1 : 2.4%	0 : 0
Cerebral Haemorrhage Thrombosis and Embolism	18 : 6.4%	4 : 1.9%	2 : 4.9%	6 : 4.8%
Cardiac Diseases and Other Diseases of Circulatory System	115 : 40.9%	21 : 9.9%	8 : 19.5%	20 : 16.0%
Respiratory Diseases (Non-Tuberculous)	21 : 7.5%	36 : 16.9%	2 : 4.9%	16 : 12.8%
Enteritis and Diarrhoea (Under 2 years)	0 : 0	23 : 10.9%	3 : 7.3%	9 : 7.2%
Other Diseases of Digestive System	5 : 1.8%	10 : 4.7%	2 : 4.9%	4 : 3.2%
Nephritis	2 : 0.7%	2 : 0.9%	0 : 0	10 : 8.0%
Congenital Malformations	0 : 0	0 : 0	0 : 0	3 : 2.4%
Diseases Peculiar to First Year of Life	9 : 3.2%	15 : 7.0%	5 : 12.2%	12 : 9.6%
Senility	27 : 9.6%	4 : 1.9%	3 : 7.3%	8 : 6.4%
Deaths from Violence	12 : 4.3%	16 : 7.5%	2 : 4.9%	11 : 8.8%
Other Causes	8.8%	14.9%	7.4%	7.8%
TOTAL DEATHS :	281 :	213 :	41 ::	125 ::

TOTAL NOTIFICATIONS OF INFECTIOUS DISEASE.

RESIDENTS ONLY. (Where the diagnosis has been altered subsequent to notification, the case has been excluded from this total of notifications).

	European	Native	Coloured	Asiatic	All Non-Eur.	All Races.
Enteric Fever	3	10	0	3	13	16
Pulmonary Tuberculosis	18	58	9	38	105	123
Tuberculosis - Other Forms	1	10	3	12	25	26
Scarlet Fever	53	0	0	0	0	53
Diphtheria	13*	41°	7	8+	56	69
Ophthalmia Neonatorum	0	2	0	0	2	2
Leprosy	0	1	0	0	1	1
Erysipelas	2	0	1	0	1	3
Anterior Poliomyelitis	1	0	0	0	0	1
Trachoma	0	0	0	1	1	1
Puerperal Sepsis	0	1	0	3	4	4
Cerebrospinal Fever (Meningococcal Meningitis)	0	2	2	0	4	4
TOTAL	91	125	22	65	212	303

* Includes 1 "Carrier"
\+ Includes 2 "Carriers"
° Includes 15 "Carriers"

INCIDENCE PER 1,000 POPULATION.

	European	Native	Coloured	Asiatic	All Non-Eur.	All Races
Enteric Fever	3 : 0.10	10 : 0.53	0 : 0	3: 0.19	13 : 0.34	16 : 0.24
Pulmonary T.B.	18 : 0.61	58 : 3.05	9 : 2.77	38: 2.39	105 : 2.75	123 : 1.81
T.B. Other Forms	1 : 0.03	10 : 0.53	3 : 0.92	12: 0.76	25 : 0.66	26 : 0.38
Scarlet Fever	53 : 1.79	0 : 0	0 : 0	0: 0	0 : 0	53 : 0.78
Diphtheria	13 : 0.44	41 : 2.16	7 : 2.15	8: 0.50	56 : 1.47	69 : 1.02
Ophthalmia Neonatorum	0 : 0	2 : 0.10	0 : 0	0: 0.44	2 : 0.05	2 : 0.03
Leprosy	0 : 0	1 : 0.05	0 : 0	0: 0	1 : 0.03	1 : 0.01
Erysipelas	2 : 0.07	0 : 0	1 : 0.31	0: 0	1 : 0.03	3 : 0.05
Anterior Poliomyelitis	1 : 0.03	0 : 0	0 : 0	0: 0	0 : 0	1 : 0.01
Trachoma	0 : 0	0 : 0	0 : 0	1: 0.06	1 : 0.03	1 : 0.01
Puerperal Sepsis	0 : 0	1 : 0.05	0 : 0	3: 0.18	4 : 0.10	4 : 0.06
C.S. Fever	0 : 0	2 : 0.11	2 : 0.62	0: 0	4 : 0.10	4 : 0.06

(2) INFECTIOUS DISEASE.

There were 303 notifications of infectious disease, a 20% increase on the total of 254 recorded last year, mainly due to an increase in the notifications of Scarlet Fever and of Tuberculosis in Asiatics. (See page 8).

ISOLATION HOSPITAL (EUROPEAN INFECTIOUS DISEASE) (Page 58).

Altogether 204 patients were admitted during the year, 165 Borough and 39 Out-of-Borough. Figures for the previous years were :-

1949-1950 : 247; 1948-1949 : 229; 1947-1948 : 189; 1946-1947 : 170; 1945-1946 : 193; 1944-1945 : 159; 1943-1944 : 318; 1942-1943 : 334; 1941-1942 : 259; 1940-1941 : 405; 1939-1940 : 307; 1938-1939 : 216; 1937-1938 : 215; 1936-1937 : 183.

Cases of Tuberculosis, Puerperal Sepsis and Typhoid Fever, are provided for at Grey's Hospital - the Provincial General Hospital - and King George V-Springfield and Wentworth Hospitals for Tuberculosis in Durban. Europeans needing hospitalisation for Venereal Disease are sent by arrangement to Wentworth Hospital, Durban. Cases of Anterior Poliomyelitis are now admitted to the Isolation Hospital for the first 3 weeks (the presumably Infectious period) of their illness.

NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL. (Page 58)

Admissions totalled 304, 117 Borough and 187 Out-of-Borough cases. Admissions since the opening of this hospital have been as follows :-

1949-1950 : 442; 1948-1949 : 308; 1947-1948 : 304; 1946-1947 : 305; 1945-1946 : 238; 1944-1945 : 332; 1943-1944 : 344; 1942-1943 : 252.

INFECTIOUS DISEASES HOSPITALISATION.

The City Council's scheme of expansion of its Infectious Diseases Hospitals has been submitted to Pretoria, and approval in principle has been obtained as follows :-

(1) The proposed new Non-European V.D. Hospital has been reduced from 120 beds to 60 beds, due to the drop in Hospital patient numbers, following upon the use of Penicillin as a routine treatment.

(2) The Formidable Epidemic Diseases Hospital has been disapproved and the Union Health Department has agreed that European cases of Formidable Epidemic Diseases will be transferred to the Quarantine Station at Fynnlands, while the Venereal Diseases Hospital will have to be cleared for Formidable Epidemic Diseases patients when necessary.

(3) The additional 24 beds for Tuberculosis are approved.

(4) The additional 2 bed ward at the European Isolation Hospital is approved.

(5) Additional accommodation at the Nurses Home is approved.

(6) The provision of sewerage at the Non-European Hospital is approved.

(7) As the Formidable Epidemic Diseases Hospital is not approved, the Council's proposal to use this hospital as an extension of the Non-European Infectious Diseases Wards until such time as required for Formidable Epidemic Diseases must fall away.

AMBULANCE.

The following figures have been furnished by the courtesy of the City Engineer :-

1) Total number of cases removed : 5,354

2) Infectious Cases removed : 1,172

LABORATORY WORK. ..... /

LABORATORY WORK.

Laboratory work done by the Pathologist, Dr. D.G. Cowie :-

Swabs for Diphtheria Bacilli	387
Swabs for Haemolytic Streptococci	152
Smears for Gonococcus, Vincents', Thrush	4
Cerebro-Spinal Fluids	8
Bloods (Weil Felix)	2
Blood (Counts, Smears)	3
Cough Plate (Whooping Cough)	1
Sputum (T.B., Organisms)	5
Stools (Parasites, etc.)	11
Urines (Chemical, microscopic, etc.)	11
Blood (Sugar, Urea)	7
Milk - for Bacterial Count	75
Milk - Phosphatase Tests	12
TOTAL :	678

Work done in Departmental Laboratory :-

Mosquito larvae examined : 1,646.

NOTIFIABLE INFECTIOUS DISEASE.

(a) ANTHRAX. No cases notified.

(b) SMALLPOX. No cases were reported this year. (See also item (2) under heading Infectious Diseases Hospitalisation on page 9 of this report.

VACCINATION.

Vaccination at the Municipal Pass Office is carried out on every unvaccinated or inadequately vaccinated registrant at the Pass Office. (See page 23).

In addition, since the Smallpox Epidemic of 1944, vaccination of infants (all races) has been carried out at the Municipal Infant Welfare Clinics, and adults applying to the Public Health Department are also vaccinated. This service serves to supplement the free service available to the public through the Public Vaccination carried out by the District Surgeon.

The Registrar of Vaccination has supplied the following figures of total vaccinations in Pietermaritzburg, reported to the Registrar of Vaccination, for the year :-

Successful Vaccinations	308
Insusceptible to Vaccination	19
Exempted from Vaccination	0

The number of vaccinations carried out by this Department at its Clinics during this period was 987 (Eur. 317, Nat. 178, Col. 83, As. 409).

(c) DIPHTHERIA. The total number of cases notified was 69, as compared with 66 for last year, and 3 Natives, 1 Coloured and 1 Asiatic died from this disease.

A large number of carrier cases were included in these totals, most of them being temporary passive carriers identified by throat swabbing of the Native childrens' ward in Grey's Hospital, following upon the occurrence of a ward outbreak of Diphtheria.

The immunisation ..... /

The immunisation history in 31 definite cases (confirmed by Virulence s) admitted to our hospitals was as follows :-

Immunised	Non-Immunised.
Total cases : 13 (8 Eur., 5 Non-Eur.)	Total cases : 18 (7 Eur., 11 Non-Eur.)
Deaths : 1	Deaths : 1

In 52 cases Cultures which were reported as Virulent, proved to be phtheria Gravis in 1 case and C. Diphtheria Mitis in 51 cases.

866 Immunisation courses against Diphtheria were completed at the nt Clinic Sessions this year (Eur. 272, Nat. 88, Col. 140, Asiatics 366).

In addition the following pre-inoculation and post-inoculation ck tests were performed. Most of the pre-inoculation Schick tests are done in older dren who apply for immunisation, so as to spare them the possibility of unnecessary ction.

Race	Pre-Inoculation Schick Tests	No. Positive	Post-Inoculation Schick Tests	No.Positive
European	8	4 (50%)	98	10 (10%)
Native	8	- -	101	4 (4%)
Coloured	-	- -	5	2 (40%)
Asiatic	-	- -	-	- -

The following table gives the Total births, the Notifications and hs from Diphtheria, and the Number of Children Immunised by the Public Health Department e 1937 :-

THERIA.

YEAR	EUROPEANS				NATIVES				COLOUREDS				ASIATICS			
	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths
37-38	352	-	25	1	187	-	2	1	75	-	-	-	238	-	2	-
38-39	405	-	32	2	232	-	5	-	82	-	2	1	198	-	2	-
39-40	403	18	41	3	199	-	2	-	86	-	2	1	149	-	5	-
40-41	428	140	18	-	209	-	1	-	73	155	2	-	398	-	8	1
41-42	515	191	25	1	217	-	4	-	114	23	-	-	425	56	2	1
42-43	454	412	31	1	239	-	5	-	94	2	2	-	500	36	1	-
43-44	550	447	53	1	274	33	16	2	104	16	3	-	526	-	4	1
44-45	526	315	33	3	262	125	26	-	116	2	2	-	581	6	6	-
45-46	587	225	36	-	189	91	9	1	103	66	5	2	558	46	10	1
46-47	697	275	14	-	315	81	13	2	149	192	-	-	711	138	13	2
47-48	704	275	10	1	303	118	4	1	133	120	5	2	704	261	14	2
48-49	703	672	43	4	279	134	7	2	116	125	2	1	670	393	10	3
49-50	669	520	21	4	263	102	34	6	109	106	6	1	669	391	5	-
50-51	636	272	13	-	272	88	41	3	165	140	7	1	840	366	8	1

No figures are available of the number of persons immunised by private ctitioners.

SCARLET FEVER ..... /

(d) SCARLET FEVER.

53 Cases were notified as compared with 26 cases last year. The disease continued to be mild. The use of Penicillin in the treatment of Scarlet Fever has enabled us to permit children to return to school after 2 weeks quarantine as throat swabs reveal the rapid disappearance of Haemolytic Streptococci under this form of treatment. No "return cases" have yet been encountered in our experience with this procedure.

(e) CEREBRO-SPINAL MENINGITIS.

4 Cases were notified during the year, the same figure as shown the last four years.

(f) ANTERIOR POLIOMYELITIS.

1 Case was notified this year, a European child.

(g) MURINE TYPHUS FEVER.

No local cases of Murine Typhus Fever were reported this year.

(h) ENTERIC FEVER.

16 Cases were notified, 3 European, 10 Native and 3 Asiatic, a small increase over last year's total of 14.

In 1 European and 3 Native cases, the diagnosis could not be confirmed by bacteriological investigation.

The cases were all sporadic, except in one Native family where 2 cases were reported.

304 Persons were immunised, 4 Europeans, 96 Natives, 10 Coloureds and 194 Asiatics. The method employed was two injections of Endotoxoid (S.A.I.M.R.). All those immunised were contacts of patients suffering from Typhoid Fever, and completed the course of 2 injections. The large numbers of Natives and Asiatics immunised were due to Mass immunisation of a Native barracks and the Asiatics at the Sewerage Farm, where cases of the disease had been reported.

(i) PUERPERAL SEPSIS.

4 Notifications were recorded as compared with 6 last year, one being Native and 3 Asiatic.

1 Case had a normal confinement in hospital, and 3 had normal confinements at home.

(3) TUBERCULOSIS (Pages 40-41).

Notifications of Pulmonary Tuberculosis totalled 123, a sharp increase on last year's total of 105, 18 of these being of Europeans. Notifications of Non-Pulmonary Tuberculosis totalled 26 (1 of these being European) as compared with the previous year's total of 24.

30 Borough cases (14 Natives, 4 Coloureds and 12 Asiatics) were admitted to the Tuberculosis block of the Non-European Infectious Diseases Hospital. In addition, 1 European case was admitted temporarily to the (European) Isolation Hospital.

During the year 17 Borough cases were admitted to Grey's Hospital. (5 European, 6 Native, 1 Coloured and 5 Asiatic) 10 Borough cases and 3 Out-of-Borough cases were admitted from the T.B. Clinic to Hospital. 7 Europeans, 6 Natives, and 4 Asiatics were admitted to the King George V-Springfield Hospital for Tuberculosis in Durban and 8 Europeans were admitted to the Wentworth Tuberculosis Hospital, Durban, 1 European was admitted to Lilleshall Convalescent Hospital, 2 Asiatics were admitted to the F.O.S.A. settlement and 1 Asiatic was admitted to the Depot Hospital, Durban.

The scheme ..... /

3) TUBERCULOSIS Cont'd.

While there was a definite increase in the total of notified cases of ulmonary Tuberculosis, the number of deaths reported fell again. Most of this difference as reflected in the Native Deaths, and it is highly probable that this was due to the act that many Native cases left the City and their eventual fate is not recorded.

INIATURE MASS RADIOGRAPHY.

The Preliminary Results of the second Miniature Mass Radiography Survey arried out in Pietermaritzburg in 1950 were as follows :-

	Eur.	Nat.	Col.	As.
Total Number X.Rayed	1,376	1,701	113	451
Positive X.Rays				
Minimal T.B.	5	14	-	-
Active/Advanced T.B.	3	38	-	1
Other Chest Conditions Discovered.				
Cardiac Conditions	7	35	1	3
Other Non-Tuberculous Chest Conditions.	26	10	-	3

On following up the cases reported as positive or suspicious by the iniature X.Ray, the following final result was obtained :-

	Eur.	Nat.	Col.	As.
Advanced Pulmonary T.B.	2	15	-	-
Healed/Minimal T.B.	5	8	-	-
Not Tuberculosis	-	23	-	1
Untraced	1	6	-	-

The combined result of the first survey in 1949 and this second survey as been to discover the following definite cases of Tuberculosis in Pietermaritzburg:-

	Eur.	Nat.	Col.	As.	Total
Total Miniature X.Rays	1,789	2,169	265	1,553	5,776
Minimal/Inactive	10	18	-	20	48
Advanced	2	21	1	7	31

The present ..... /

3) TUBERCULOSIS Cont'd.

The present status of the above cases we have been able to follow up is as follows :-

	Eur.	Nat.	Col.	As.	Total.
Advanced Cases:					
Died	-	4	1	2	7
In hospital at present	4	3	-	4	11
Other	1	7	-	2	10
Quiescent Cases:					
Returned to Work	2	2	-	9	13
Convalescent	-	5	-	3	8
				TOTAL	49

There is no doubt of the value of these surveys in discovering patients suffering from Pulmonary Tuberculosis, and no doubt of the benefit to the community and to the patients themselves of dealing with these cases before they themselves will voluntarily come up for treatment.

There is also no doubt that these surveys throw up into glaring prominence our tremendous need for hospital beds for isolation and treatment. With the first survey it became necessary for us to establish an extra 6 temporary beds in our Non-European Hospital. With the second survey we have had to establish an extra 4 temporary beds and overflow into 6 of the Infectious Diseases beds. In the meantime we are still negotiating with the Union Health Department for an additional 24 Tuberculosis beds in our Native Hospital. Fortunately we have been able of late to secure beds for our European patients in the Wentworth and King George V Hospitals in Durban, without undue delay.

THE TUBERCULOSIS CLINIC : (Page 46).

Staff : Asst. Medical Officer of Health (Part-time), a European Health Visitor (Half-time), and a Native Health Assistant (Full-time).

The routine clinical and X.Ray examination of all contacts of cases of Tuberculosis notified, was carried out at the Tuberculosis Clinic. During the year there were 2,411 attendances at the Clinic (including 467 Out-of-Borough cases), while 3,288 visits were made to tuberculotics and contacts in their homes, (Borough cases only).279 Contacts were examined and X.Rayed at the Tuberculosis Clinic (including 29 Out-of-Borough contacts). The following notified cases were on our Tuberculosis Register as at June 30th, 1951.

	Eur.	Nat.	Col.	As.	All Non-Eur.	Total
Pulm. T.B.	35	49	16	59	124	159
Non-Pulm. T.B.	2	11	2	16	29	31

Tuberculin testing (using the patchtest) is regularly done in doubtful cases and of late routinely in contact cases in order to lessen the load of X.Ray examinations, as the Grey's Hospital X.Ray Department is unable to provide an unlimited service, and indeed at times have been unable to X.Ray for the T.B. Clinic at all. Artificial Pneumothorax and Artificial Pneumo-Peritoneum refills are regularly given at the T.B. Clinics. Approximately a 50% increase in the work of this clinic has been recorded this year.

The Tuberculosis Hospital : (Non-European Only).

Admissions totalled 51, 30 Borough cases (14 Native, 4 Coloured and 12 Asiatic) and 21 Out-of-Borough cases (15 Native, and 6 Asiatic).

(3) TUBERCULOSIS Cont'd.

1942-1943	Annual Admission Rate per Bed	3.6 patients.
1943-1944	" " " " "	4.0 "
1944-1945	" " " " "	2.8 "
1945-1946	" " " " "	1.8 "
1946-1947	" " " " "	2.0 "
1947-1948	" " " " "	3.1 "
1948-1949	" " " " "	2.8 "
1949-1950	" " " " "	2.3 "
1950-1951	" " " " "	1.7 "

There has been no undue delay this year in securing the admission of European cases to the Wentworth and King George V - Springfield Hospitals for Tuberculosis in Durban, there being no Tuberculosis beds available for Europeans in Pietermaritzburg.

(4) VENEREAL DISEASE. (Pages 47-57).

(a), (b) and (c) One Clinic Session is held weekly for each race and sex, conducted by the Assistant Medical Officers of Health. These Clinics are held in the Grey's Hospital Out-Patient Department Buildings. A separate Clinic Session is held for European Males, European Females, and Native females. A combined session is held for Coloured and Asiatic females, and a combined session is held for Coloured, Asiatic and Native Males. One European Health Visitor, 2 Native Nurses, 1 Native Orderly and 3 Native Health Assistants, assist at the Female Clinics, while the Health Visitor, a European Male Nurse, a Native Orderly and 3 Native Health Assistants, assist at the Male Clinics. Three Native Health Assistants devote their full time to Venereal Diseases. The European Male Nurse, 1 Native Nurse and the Native Orderly are from the Staff of the Non-European Venereal Diseases Hospital, thus providing an effective link between the Clinic and the Venereal Diseases Hospital.

(d) Every effort is made to trace contacts and sources of infection and to follow-up defaulters to ensure completion of treatment. A European Health Visitor deals with the investigation and follow-up of European, Coloured and Asiatic cases, and supervises the work of the Native Health Assistants who deal with Natives only.

It has been found that the Health Visitor is quite readily able to deal with both Male and Female cases, and to achieve useful results in all of the races in regard to improved attendance of defaulters at the Clinics. Personal visiting has been found the most effective method, and letters have been used very rarely.

(e) This Local Authority does not conduct the Ante-Natal Clinics held in Pietermaritzburg. The Medical Superintendent, Grey's Hospital, advises that the results of routine Wassermann Tests at the Ante-Natal Clinics are as follows :-

	European		Native		Coloured		Asiatic	
	No of Tests	% Positive	No of Tests	% Positive	No of Tests	% Positive	No of Tests	% Positive.
1945-46	180	0.6%	2,860	11.8%	149	7.7%	636	2.4%
1946-47	185	0.5%	2,963	16.8%	465	1.9%	1,423	1.6%
1947-48	193	1.6%	3,053	9.3%	153	3.2%	772	2.2%
1948-49	293	1.7%	3,568	9.3%	190	2.8%	846	4.5%
1949-50	42	0	3,949	10.6%	102	7.8%	521	6.3%
1950-51	41	0	4,351	10.5%	218	8.5%	855	2.1%

(f) ..... /

(3) TUBERCULOSIS Cont'd.

1942-1943	Annual Admission Rate per Bed	3.6 patients.
1943-1944	" " " " "	4.0 "
1944-1945	" " " " "	2.8 "
1945-1946	" " " " "	1.8 "
1946-1947	" " " " "	2.0 "
1947-1948	" " " " "	3.1 "
1948-1949	" " " " "	2.8 "
1949-1950	" " " " "	2.3 "
1950-1951	" " " " "	1.7 "

There has been no undue delay this year in securing the admission of European cases to the Wentworth and King George V - Springfield Hospitals for Tuberculosis in Durban, there being no Tuberculosis beds available for Europeans in Pietermaritzburg.

(4) VENEREAL DISEASE. (Pages 47-57).

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(d) Every effort is made to trace contacts and sources of infection and to follow-up defaulters to ensure completion of treatment. A European Health Visitor deals with the investigation and follow-up of European, Coloured and Asiatic cases, and supervises the work of the Native Health Assistants who deal with Natives only.

It has been found that the Health Visitor is quite readily able to deal with both Male and Female cases, and to achieve useful results in all of the races in regard to improved attendance of defaulters at the Clinics. Personal visiting has been found the most effective method, and letters have been used very rarely.

(e) This Local Authority does not conduct the Ante-Natal Clinics held in Pietermaritzburg. The Medical Superintendent, Grey's Hospital, advises that the results of routine Wassermann Tests at the Ante-Natal Clinics are as follows :-

	European		Native		Coloured		Asiatic	
	No of Tests	% Positive	No of Tests	% Positive	No of Tests	% Positive	No of Tests	% Positive.
1945-46	180	0.6%	2,860	11.8%	149	7.7%	636	2.4%
1946-47	185	0.5%	2,963	16.8%	465	1.9%	1,423	1.6%
1947-48	193	1.6%	3,053	9.3%	153	3.2%	772	2.2%
1948-49	293	1.7%	3,568	9.3%	190	2.8%	846	4.5%
1949-50	42	0	3,949	10.6%	102	7.8%	521	6.3%
1950-51	41	0	4,351	10.5%	218	8.5%	855	2.1%

(f) ..... /

(f) The average annual attendance of patients suffering from Venereal Disease at the Clinics was as follows :-

	EUROPEAN				NATIVE				COLOURED				ASIATIC			
	Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1943-44	14.1	3.7	2.5	6.7	3.6	2.8	2.9	4.1	2.7	6.1	2.4	2.6	3.5	3.5	7.3	1.1
1944-45	7.6	11.2	3.5	7.0	9.8	7.7	4.7	6.7	7.5	11.2	16.2	8.9	7.7	9.3	9.0	8.0
1945-46	7.7	5.9	13.5	6.7	10.1	8.9	6.4	7.5	4.0	8.4	10.8	7.4	5.7	6.9	6.2	6.9
1946-47	10.3	5.4	11.4	35.5	9.3	8.1	5.6	6.7	8.3	10.1	7.2	5.3	8.0	6.4	3.0	3.4
1947-49	15.3	5.6	9.5	6.6	9.5	7.5	5.0	5.3	10.1	8.2	3.5	7.4	8.3	8.0	4.6	2.7
1948-49	7.6	9.0	10.2	1.7	9.0	7.2	5.1	5.7	9.3	7.3	11.2	11.5	8.5	7.7	12.3	9.8
1949-50	5.0	5.4	-	1.0	8.8	6.1	5.1	4.7	9.7	8.6	6.3	5.0	6.9	6.6	4.2	3.5
1950-51	5.4	7.5	-	2.3	6.4	6.9	4.1	4.1	5.7	6.2	3.8	7.4	5.2	5.6	14.0	2.2

These figures are arrived at by dividing the total number of Clinic Attendances for the year by the number of patients who attended the Clinics during the year.

) A further big decrease in Clinic Attendances has been recorded, there being 12,495 tendances during the year as compared with last year's total of 19,116. 3,375 Home isits were paid to cases of Venereal Disease, as compared with last year's total of ,007. The regular attendance of many of the patients is largely due to this follow-up rk. The decrease in attendance is probably due to the change over to Penicillin eatment in hospital, so that many patients who formerly attended weekly for treatment w only attend occasionally for checking.

IDEMIC HOSPITAL. (Non-European V.D.)

Admissions to this hospital totalled 1,654 this year showing a big decrease the previous year's total of 2,051, the daily average of in-patients totalling 50 as mpared with 76 last year.

The re-admissions for this period numbered 263 and admissions totalled 1,654 i.e. 16.5%) as compared with 16%, 14% and 12% the last three years. An analysis of the tient's reasons for re-admission and for failure to continue treatment, is given in the llowing table :-

	Male	Female	Total
) No reason given for failure to continue treatment....	4	11	15
) Patients thought themselves cured after only a few follow-up injections	3	-	3
) Patients attended only irregularly for follow-up treatment	27	8	35
) Patients diagnosed on first admission as Non-Venereal Disease, but re-admitted subsequently and diagnosis found to be Venereal Disease	1	-	1
) Patients unable to pay a doctor for further treatment	3	4	7
) Patients stated no facilities for further treatment available near their homes or unable to pay transport to obtain treatment	3	2	5
) Patients stated employers would not allow them to attend for further treatment	3	-	3
) Patients told by a doctor that they were cured after only a few subsequent injections	10	4	14
) Cooled and received no further treatment.....	3	-	3
) Patients re-admitted suffering from forms of V.D. other than that originally admitted for	12	11	23
) Non-Venereal Disease	15	26	41
) Relapsed though attended Clinic fairly regularly	8	11	19
) Reinfected after discharge from Clinic	51	45	96
) Religious objections to treatment	-	1	1

One ..... /

average annual attendance of patients suffering from Venereal Diseases at
ic was as follows :-

EUROPEAN				NATIVE				COLOURED				ASIATIC			
Per.		O/P.		Per.		O/P.		Per.		O/P.		Per.		O/P.	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
14.1	5.7	2.5	6.7	5.6	2.8	4.9	4.1	22.7	6.1	2.4	4.8	3.5	3.5	7.8	1.1
7.8	11.8	5.4	4.6	8.8	7.7	4.7	7.5	11.2	14.2	4.2	4.8	7.7	8.8	8.0	8.0
7.7	6.9	15.3	6.7	10.1	8.9	5.3	5.8	8.0	8.6	10.5	7.4	8.7	8.8	8.8	8.0
10.5	5.4	11.4	22.5	9.5	9.1	5.8	9.7	8.5	10.1	7.4	5.5	5.0	8.4	5.0	5.4
16.5	5.6	0.8	8.0	8.5	7.5	5.0	4.9	10.1	8.2	7.4	8.0	8.5	8.0	4.4	9.7
7.6	9.0	10.8	1.7	8.0	7.2	5.1	5.7	8.3	7.3	11.5	5.5	7.7	12.3	5.5	8.3
5.0	5.4	-	1.0	8.8	5.1	5.7	4.7	9.7	8.8	8.5	5.0	8.0	4.2	8.5	
5.4	7.5	-	2.3	8.4	8.3	4.1	4.1	5.7	8.6	8.0	7.4	5.2	5.6	14.0	2.6

ese figures are arrived at by dividing the total number of "Cases" attended
r the year by the number of patients who attended the Clinics during the y

ther big decrease in Clinic attendances has been recorded; there being 12,
during the year as compared with last year's total of 10,116. 3,275 Nor
paid to cases of Venereal Disease, as compared with last year's total of
regular attendance of some of the patients is largely due to this following
decrease in attendance is partly due to the change over to Penicillin
n hospital, so that many patients who formerly attended mainly for treatment
tend occasionally for check-ups.

PRIVATE. (Non-European V.D.)

dmissions to this hospital totalled 1,654 this year showing a big decrease
ious year's total of 2,081, the daily average of in-patients totalling 20 c
th 26 last year.

The re-admissions for this period numbered 824 and admissions totalled 1,6
) as compared with 1944, 1943 and 1942 the last three years. An analysis of
reasons for re-admission and for failure to continue treatment, is given b
ble :-

	Male	Female	Total
n given for failure to continue treatment....	4	11	15
thought themselves cured after only a few
p injections	5	- -	5
attended only irregularly for follow-up
t	27	8	35
Discharged on first admission as Non-Venereal
but re-admitted subsequently and diagnosis
be Venereal Disease	1	- -	1
unable to pay a doctor for further treatment	3	4	7
erated, no facilities for in-patient treatment
r poor their homes or unable to pay transport
n treatment	5	3	8
ntend employers would not allow them to
er further treatment	3	-	3
told by a doctor that they were cured after
ew subsequent injections	10	4	14
ed received no further treatment	5	-	5
re-admitted suffering from forms of V.D.
n that certainly deserved further treatment	12	12	24
ereal Disease	15	20	35
through attended Clinic twenty times	8	11	19
ed after discharge from Clinic	52	46	98
n objections to treatment	2	-	2

One can regard the re-admissions under the first three headings (approx. $\frac{1}{5}$ of the total) as due to failure of the Educative section of the Venereal Diseases Hospital treatment; a disappointing feature, as regular attempts to teach the patients the reasons and need for further treatment have been a part of the Venereal Diseases Hospital routine. There is, however, an improvement in the proportion recorded which has been $\frac{1}{2}$, $\frac{1}{2}$ and $\frac{1}{3}$ in the last three years respectively.

With the availability of Penicillin Procaine G. in Oil, Penicillin treatment of all Syphilitic cases is now routine in this hospital. All cases of Gonorrhoea receive Penicillin treatment. The rapid ten day course (a total of 6 M.u. Penicillin Procaine in Oil) has undoubtedly shortened the average hospital stay of Syphilitic cases and brought about a reduction in the daily average of hospital in-patients).

(5) PLAGUE.

No cases of plague occurred during the year. Regular inspection of new shops and warehouses in the course of erection has been carried out and their rodent-proofing has been supervised. No rodent work has been carried out on commonage, but the rodent-proofing of existing infested premises has been dealt with intensively. All business premises handling foodstuffs are inspected routinely every 3 months, and particular attention is paid to rodent-proofing. The block-by-block survey of the City Area is being continued to determine and deal with rodent-infestation. A single Departmental Rodent Inspector devotes all his time to anti-rodent measures, trapping, poisoning, chiefly with Zinc Phosphide or with Strychnine to a lesser extent, and Cyanogas pumping being employed. Excellent results are being obtained by the use of the P.traps and the pre-baiting technique.

There are 2 Grain Stores in the City; both are now rodent-proofed. There are 2 mills in the City - one is rodent-proof and steps are being taken to have the other made rodent-proof.

Trapping operations by Rodent Inspector	: 32.	Rodents trapped		53
Poisoning " " " "	:153.	Rodents Poisoned:		
		(Bodies recovered).....	303	
		(Estimated total - bodies not recovered..	576	879
Gassing operations by Rodent Inspector	: 16.	Rodents killed		66
		Total		998

35 Dwellings completed rodent proofing (out of 93 dealt with).
(43 business premises, shops and stores)
(2 stables) completed rodent-proofing out of
(7 other buildings) 107 dealt with.

New buildings supervised for rodent-proofing: 7
Vacant lands gassed : 5

(6) OTHER COMMUNICABLE DISEASES:

(1) MALARIA.

Control by spotting of larvae and spraying of selected breeding spots has again been carried out during the year in the Borough. The Local Health Commission carried out control work in the Peri-Urban areas. No malarial mosquito vectors were discovered inside the Borough this year. No new infections of malaria occurred within the Borough. Mosquito breeding was moderate this year.

Permanent work in the way of wide open drains with grassed sides and a hardened invert, was continued this year.

No check house spraying was carried out this season. Spraying was carried out to keep down the Anopheline population in known breeding areas and to deal with Culicine breeding which was causing a nuisance. This year D.D.T. suspension was used for spraying instead of the usual Antimalarial Oil. Satisfactory results were obtained by the change over and spraying was speeded up noticeably.

(II) ..... /

(II) BILHARZIA.

Regular surveys were carried out during the year, and 1,075 snails were identified. Copper Sulphate was used for the treatment of areas where Physopsis Africana have been identified with a resultant rapid and considerable reduction in the number of snails found.

Warning notice boards have been erected at the various spots used as bathing spots by Non-Europeans.

(III) ENTERITIS in children under the age of two years accounted for 35 deaths, (23 Native, 3 Coloured and 9 Indian) an increase on the previous year's total of 20.

(IV) MUMPS.

There was a severe outbreak of Mumps in Pietermaritzburg during the year, the epidemic being the largest experienced for many years. While most of the cases occurred in children, quite a proportion of adults also contracted the disease. There were very few Non-European cases. 75 Cases were treated in the (European) Isolation Hospital, 73 being Borough cases. 2 Cases were admitted to the Non-European Infectious Diseases Hospital, 1 being a borough case. No deaths were reported from this disease. (See table on page 58).

(V) MEASLES:

There was only a slight prevalence of this disease in school children this year.

(VI) CHICKEN POX:

This disease was moderately prevalent and, as usual, mild.

(VII) WHOOPING COUGH.

This disease was only moderately prevalent during the year, 1 Native death only being reported from this disease. Immunisation against this disease was carried out at the Infant Welfare Clinics, using a combined Whooping Cough and Diphtheria Vaccine. (See Page 22).

(7) WATER SUPPLY. (See Page 62).

The water supply of Pietermaritzburg is under the control of the City Engineer's Department. It is derived from streams coming from hilly country lying to the West of the Town. From the Storage Dam at Henley the water is piped to the Purification Works, where it is treated with Ammonium Sulphate, Lime, and Aluminaferric, before filtration. After filtration, the water is treated with Chloramine before being distributed to the four service reservoirs.

The supply from the Purification Works and each of the service reservoirs has been bacteriologically examined each week by the bio-chemist in charge of the Purification Works. All employees at the Purification Works are Vi-Tested. No water-borne outbreaks of disease have occurred during the year. Regular bacteriological sampling of swimming bath waters has also been carried out throughout the year, and other samples of well and tank waters have also been examined.

The water supply has provided inadequate on several occasions for the expanding needs of the City, and restrictions have been imposed on the use of water on several occasions. Building to expand the Purification Works has been commenced by the City Council. A new supply reservoir to bring a Municipal water supply to the Blackridge (Zwartkops) area, a scheme which requires pumping, has been completed and put into use.

(8) NIGHTSOIL AND DISPOSAL.

The administration of this work is in the hands of the City Engineer. The greater part of the Town and Suburbs is served by water-borne sewerage, although the conservancy system is still in use in certain outlying areas. Disposal is on the

sewage ..... /

sewage farm about 3 miles from the centre of the Town, where broad irrigation is carried out and the screenings and nightsoil are trenched. The City Council has acquired adjoining land, in order to extend the area available for sewage disposal, and has now approved a scheme for a modern filtration plant. The designing of the scheme has now been completed.

(9) MEAT SUPPLIES (See Pages 65- 66).

All slaughtering is carried out at the Municipal Abattoir, which is under the direct control of this Department. Butchers' shops are periodically inspected to ensure that they are satisfactory and that no meat which does not bear the Municipal stamp is exposed for sale. 118 Inspections of butchers' shops were made. A list of meat, fish and fowl condemned after inspection is shown on pages 63- 64).

The Abattoir Manager reports that during the year 23,717 animals were slaughtered, a 10% increase on last year's total of 21,223 which was the lowest total for 22 years.

All slaughtering at the Abattoir is carried out by this Department.

All condemned meat and offal is transported in drums to a privately owned By-Product Plant at Bisley, just outside of Pietermaritzburg. The City Council has decided to built its own By-Products Plant, and has acquired land adjoining the Abattoir for the purpose of expansion. Plans and estimates for the expansion of the Abattoir, provision of change rooms, and the provision of new Railway Siding facilities were finally approved by the Council. Adequate Cold Storage accommodation has also been planned, there being none at the Abattoir at present.

In view of the falling off in supplies to the Abattoir it has been decided not to proceed with the Main Scheme at present. However, work was done to improve the present lairage accommodation, by providing asbestos roofing to all the pens. A new siding inside the Abattoir grounds has been planned in co-operation with the S.A.R. & H. authorities andfinal arrangements are now being completed by the City Council, to carry out the necessary work. It is hoped that this siding will prevent the possibility of escape of animals from the cattle bank into the City area.

ANTHRAX, etc. No cases were reported during the year.

CYSTICERCUS BOVIS AND CELLULOSAE ("MEASLES").

The following table shows the number of carcases infected with "Measles" during the past 6 years :-

	CATTLE			CALVES			PIGS		
	Slaughtered	% Infected	% Condemned.	Slaughtered.	% Infected	% Condemned.	Slaughtered.	% Infected	% Condemned.
1945-46	11,091	7.73	0.91	5,076	4.98	1.30	3,947	2.96	2.58
1946-47	12,227	8.00	1.16	4,369	5.05	1.46	3,480	4.22	3.76
1947-48	11,513	6.94	0.84	3,244	4.68	1.44	3,254	4.94	4.06
1948-49	9,126	5.82	0.97	3,102	4.51	1.90	5,318	2.76	2.08
1949-50	10,564	7.16	0.88	3,385	4.66	1.38	6,308	1.37	1.10
1950-51	8,3 4	8.72	1.21	3,113	5.30	1.28	6,445	2.17	1.69

(10) MILK SUPPLIES.

The milk supply has been carefully controlled throughout the year. It is derived from 31 producer-distributors, of whom 19 are in the Borough, and 12 outside of the Borough. In addition to these, there are 95 producers, 9 Borough and 86 Out-of-Borough, who send their milk to a pasteurization plant, from where it is distributed after pasteurization. All these dairymen are registered with this Department and their premises are inspected regularly. Approximately 80% of the milk sold in Pietermaritzburg is now pasteurized.

During ..... /

During the year the routine Vi-Testing of dairy employees was continued. Specimens, which are taken at the dairies by the Health Inspector, are posted to the Durban Government Laboratory for examination, thus involving an overnight journey. 969 Bloods were examined and of these 6 were reported positive. A repeat examination of 5 of these cases was carried out and the result was reported Negative.

11) OTHER FOOD SUPPLIES. (Pages 61 - 64).

Inspection of foodstuffs exposed for sale at the Market and elsewhere has been carried out regularly, and a considerable quantity of unsound food has been condemned (Pages 63 - 64). Condemned foodstuffs are removed to the refuse tips, made unusable, and disposed of by dumping.

Details of all licence applications dealt with by the Department are reflected in the Table on Page 67. The routine renewal of all trade licences is no longer submitted to this Department by the Licensing Officer for report. A system of routine 3 monthly inspections of all food-handling premises, of Boarding Houses and of laundries is carried out. Careful attention is paid to storage conditions, particularly to rodent-proofing, and there is a considerable improvement in this connection. 306 Inspections of the Borough Market and 1820 inspections of other premises manufacturing or handling food were made. (Pages 68-70).

Food and Drugs Act. (Pages 61-62).

Under the Food, Drugs and Disinfectants Act, 54 samples were taken and the results of the analyses were as follows :-

Milk: 11 Samples : 6 Samples not in accordance with requirements in regard to Solids-Non-Fat, i.e., were between 8% and 8.5%.

Ice Cream: 5 Samples : All in accordance with standards laid down.

Cream: 12 Samples : All in accordance with standards laid down.

Mince Meat: 14 Samples : 1 Sample contained farinaceous substance, viz. starch.

Sausage: 12 Samples : All in accordance with standards laid down.

In the case of defective Solids-Non-Fat Milk Samples, letters were written to the dairyman. In the case of Mince Meat sample reported as containing preservative a prosecution was instituted.

(12) MATERNITY AND CHILD WELFARE. (Page 60).

The European Infantile Mortality Rate of 23.6 was very slightly lower than last year's figure of 23.9 and is an extremely satisfactory and low rate.

The Coloured Infantile Mortality Rate dropped from 110.1 to 48.5.

The Indian Infantile Mortality Rate dropped from 55.3 to 32.1.

The Native Infantile Mortality Rate was 228. As far as it is possible to ascertain the registration of Native births in Pietermaritzburg is fairly complete now, and the figures obtained should be fairly reliable. This rate is much lower than last year's rate of 273.8

The main causes and age groupings of Infantile Mortality in the different races are shown on pages 38-39.

In Europeans prematurity was again the chief cause of Infantile Mortality. Diarrhoea and Enteritis was the chief cause of Non-European Infantile Mortality, with Prematurity and Pneumonia sharing second place.

This Department continued to supply milk to necessitous infants up to the age of 2 years, and also to a certain number of children below the age of 5. See Page 60.

Diphtheria ..... /

Diphtheria immunisation was continued throughout the year as one of the activities of the Infant Welfare Clinics, a total of 866 children being immunised (European 272; Native 88; Coloured 140; Asiatic 366).

A combined Diphtheria and Whooping Cough Vaccine was used in infants, and of the total given above 191 European, 24 Native and 88 Coloured infants were immunised against Whooping Cough at the same time as against Diphtheria. Asiatics were not done on account of the difficulty experienced in persuading them to attend for the full course of 3 injections. For that reason a two injection method (Alum Precipitated Toxoid) is preferred for them. 374 Schick Tests were also done (117 Europeans, 115 Native and 5 Coloureds). 16 Of these were Pre-inoculation Schick tests and 221 were post-inoculation Schick tests.

The detailed results of the Schick Tests were as follows :-

SCHICK TESTS.

Pre-inoculation Schick Tests.

	European	Native	Coloured.
No. of Tests	8	8	-
No. Negative	4	8	-
No. Positive	4	-	-
No. Doubtful	-	-	-
No. not read	-	-	-

Post-inoculation Schick Tests.

	European	Native	Coloured.
No. of Tests	109	107	5
No. Positive	10	4	2
No. Negative	86	97	3
No. Doubtful	2	6	-
No. not read	11	-	-

Child Welfare Clinic attendances were as follows :-

	European	Native	Coloured	Asiatic.
1945-46	6,259	2,843	1,075	3,041
1946-47	8,073	3,206	1,682	3,748
1947-48	6,849	3,092	1,570	3,535
1948-49	8,740	3,426	1,110	3,272
1949-50	7,778	2,649	935	3,180
1950-51	7,671	3,798	1,776	4,324

The increased Non-European attendance is due mainly to the opening of a new Infant Clinic in the newly incorporated area of Raisethorpe. This Clinic has proved very popular and is obviously filling a long felt want in this remote area. Temporary accommodation was obtained in the Baijoo Government Aided Indian School.

The Registrar of Vaccination reports the following total of Vaccinations for Pietermaritzburg :-

Successful Vaccinations (under 2 years) : 301
" " (over 2 years) : 7
Insusceptible to Vaccination (Under 2 years) : 19
Exempted : Nil.

Vaccinations carried out by this Department at the Infant Clinics totalled 937, (Eur. 317, Nat. 178, Col. 83, As. 409).

Maternal Mortality. ..... /

Diphtheria immunisation was continued on reduced, the gain on which of the Indian Sanitary District, a total of 999 children being immunised (121 Protex for Coloured 1,00; Safeta 878).

A combined Diphtheria and Whooping Cough Vaccine was used in Indanda, and given when 101 Sunnyside, 54 Berlin and 88 Ellcombe infants were kept Whooping Cough; as the same time we continue Diphtheria. Although account of the difficulty experienced in procuring time to attend for the 2 & 3 injections. For 5,1 years a two injection course (4,00 frozen) was tried for them. 2274 Schick Tests were also done (117 Sunnyside, 111 Berlin). 18 of these were Pre-inoculation Schick tests and 1721 were post-inoculation Schick tests.

The detailed results of the Schick Tests are as follows:-

Schick Tests.

Pre-inoculation Schick Tests.

	Positive	Negative	Doubtful
No. of Tests	8	3	-
No. Sunny	1	3	-
No. Berlin	1	-	-
No. Ellcombe	-	-	-
No. not read	-	-	-

Post-inoculation Schick Tests.

	Sunnyside	Berlin	Ellcombe
No. of Tests	103	107	8
No. Positive	10	4	2
No. Negative	90	97	3
No. Doubtful	2	6	-
No. not read	11	-	-

Child Welfare Clinic attendances are as follows:-

Year ended	Native	Coloured	Infants
1944-45	4,659	2,845	1,095	5,021
1945-47	5,275	3,275	1,255	5,724
1947-48	5,845	3,422	1,276	5,535
1948-49	6,500	3,420	1,120	5,572
1949-50	7,775	3,649	955	5,180
1950-51	7,271	3,705	1,276	5,554

The increase Non-European attendance is due mainly to the opening of Clinics in the newly incorporated areas of Bellsbrook. This Clinic has by rotation and is exclusively visited a Lady Cliff work in this district, also government is now obtaining the nursing Government Native Indian School.

The Department of Meteorology reports the following rainfall at Westbury:-

Average of 34-inches (during 4 years) : 37.
" " (over 7 years) : 7
Inches this Year (during 2 years) : 12.
Average : 34.

Vaccine Serum is prepared only by this Department at the Public Health Laboratory, Vol. 85, 1.4.1.(2).

aternal Mortality.

2 European deaths were recorded, following complicated deliveries.

The registration and supervision of all midwives practising in the Borough as continued throughout the year. 5 Inspections of Midwives' Bags were made.

The Midwifery Training School at Grey's Hospital provides midwifery ervices for Europeans in the wards of Grey's Hospital, and district Midwifery Services n Pietermaritzburg for Europeans, Coloureds and Asiatics. In addition, Ante-Natal linic Services for all races are provided. The Non-European Maternity Wards of Grey's ospital have been transferred to a temporary converted hospital at Mayor's Walk providing 6 beds for Natives, Coloureds and Asiatics. Native District Midwifery is carried out y the Native Municipal Midwife, but is not extensive as most Native women in Pieter-aritzburg prefer to go to Hospital for their confinements.

The following figures have been supplied by the courtesy of the Medical uperintendent of Grey's Hospital :-

Borough cases : (From 1st July, 1950 to 30th June, 1951) :-

Ante-Natal Clinic Attendances:		District Midwifery Visits:	
Europeans	: 590	Europeans	: 578
Natives	:2,042		
Coloureds	: 229	Coloureds	: 1,394
Asiatics	: 386	Asiatics	: 7,139
TOTAL	:3,247	TOTAL	: 9,111

The Municipal Native Midwife conducted 21 confinements and paid 248 onfinement visits during the year.

Pietermaritzburg is a "Prescribed Area" under Section 39(b) of the Medical ental and Pharmacy Act No. 13 of 1928, within which no person other than a medical ractitioner or a midwife registered under the Act, shall attend any lying-in-woman or gain. There is one untrained midwife (an Asiatic) "listed" in Pietermaritzburg, nd she conducted 9 confinements in the year.

13) BY-LAW NOTICES AND PROSECUTIONS. (Pages 68-71).

2,024 Notices and formal letters were served regarding breaches of the orough By-Laws. 31 Prosecutions were initiated in the Magistrate's Court, as detailed n page 71).

14) OTHER MATTERS OF HEALTH AND SANITATION.

Nursing Homes: No Nursing Home inspections were made in the Borough. The Registration nd Inspection of Nursing Homes in Natal is now carried out by the Provincial Administra-tion.

Complaints from Burgesses. 85 Complaints were received and attended to during the ear.

Medical Examination of Natives:

Number Examined	Rejected (All Causes)	Rejected V.D.	Referred T.B. Clinic	Vaccinated.
Male : 27,616	134 : 0.5%	41 : 0.2%	55 : 0.2%	
Female: 116	5 : 4.3%	5 : 4.3%	- : -	
TOTAL : 27,732	139 : 0.5%	46 : 0.2%	55 : 0.2%	379

Other Reasons for Rejection: ..... /

ther Reasons for Rejection:

Dirty	:	Male	: 27
Pellagra	:	Male	: 3
Chicken Pox	:	Male	: 4
Adenitis	:	Male	: 1
Sepsis	:	Male	: 1
Referred for Investigation	:	Male	: 1
Refused Examination	:	Male	: 1

The number of Native female domestic servants coming forward for voluntary examination is still very small, despite the fact that the examination is now available every day instead of once weekly as before. Every person appearing at the Pass Office who does not possess evidence of successful vaccination, is vaccinated. Considerable difficulty has been experienced during the year in getting regular supplies of Lymph for this purpose.

Sobantu (Native) Village Dispensary.

This Out-Patient Dispensary is conducted by this Department. Three sessions are held each week, attended by the Assistant Medical Officer of Health, while a full-time Native Nurse, who lives at the Village, assists at the Clinic, does the necessary dressings and follow-up treatment, and visits patients in their homes. This home visit is also utilised for the purpose of teaching simple health lessons, e.g. on the subject of cleanliness, nutrition, etc. The Clinic Nurse is also a certificated Health Visitor.

Number of new Patients attending Dispensary	:	902
Re-attendances at Dispensary	:	140
Home Visits	:	4,724
Surgical Dressings	:	10,932

Health Propaganda:

No organised propaganda was carried out.

(15) STAFF

The Staff of the Department at June 30th, 1951, was as follows :-

ADMINISTRATIVE AND OFFICE.

Medical Officer of Health	:	M.Maister, B.A., M.B., Ch.B., D.P.H.
Asst.Medical Officer of Health	:	J.R. van Heerden, M.B., Ch.B., D.P.H.
Asst. Medical Officer (Clinical)	:	K.J. Aitken, M.B., Ch.B., D.P.H.
Chief Clerk	:	E.Bastow
Clerk	:	E.D. Gafney
Junior Clerk	:	D.Hall
Senior Woman Clerical Asst.	:	Miss E.M. Hughes
Junior Woman Clerical Assts.	:	Mrs. D. Cox (nee Hardman) Mrs. G.P. Wallis (nee Keppler) Miss D. Clark.

2 Native Messengers.

INSPECTORATE.

Chief Health Inspector	:	C.F. Wyatt, Cert. R.S.I., Meat & Other Foods Cert. R.S.I.

Health Inspectors ..... /

Health Inspectors	:	R.E.Bunn, Cert. R.S.I.
	:	Mrs. E.A. Thompson, Cert. R.S.I. (Boarded from Service on account of Ill-Health).
	:	J.F. Bateson, Cert. R.S.I.; Meat & Other Foods Cert.
	:	R.S.I.; San. Sc. (as applied to Buildings and Public Works) Cert. R.S.I.
	:	K.Murray, Cert. R.S.I. (Resigned).
	:	L.Crous, Cert. R.S.I.
Health Inspector (Dairy)	:	D.C. Johnston, Cert. R.S.I.
Rodent Officer	:	G.Fairfield.
Handyman and Transport Officer	:	A.H. Fairall
1 Indian Fumigation Assistant	:	

HEALTH VISITING STAFF.

Senior Health Visitor	:	Miss E.M. McDougall, Health Visitor's Cert. (Scotland); Health Visitor's Cert. R.S.I.; Mothercraft Cert. (New Zealand).
Health Visitors	:	Miss M.W. Marwick, Mothercraft Cert.
	:	Miss E.E. Holcomb, Health Visitor's Cert. R.S.I.; Mothercraft Cert.
	:	Miss M.J. Home, Health Visitor's Cert. R.S.I.; Mothercraft Cert., Fever Cert.
	:	Mrs. M.P. Bruce, Health Visitor's Cert. R.S.I.; Mothercraft Cert.
	:	Mrs. K.N. Hallowes, Health Visitor's Cert. R.S.I.; Mothercraft Cert.
Clinic Clerk	:	Mrs. A.C. Ferguson.

NATIVE NURSING AND HEALTH ASSISTANT STAFF.

ative Nurse (Sobantu Village Dispensary)	:	Nurse Sophia Masongoa, Health Visitor's Cert. R.S.I.
ative Nurse and Midwife	:	Nurse Keziah Mthembu, S.A.M.C. Cert. (General and Midwifery).
ative Health Assistants	:	A. Ntombela, A.W. Mkize, V.Ntombela and G.Rodolo.

ISOLATION HOSPITAL.

Matron	:	E.C. Tiffin.
Sisters	:	R. Browne, V.E. Kelly, M.B. Walker.
Night Sister	:	K.E. Koen.
Probationer Nurses	:	O.R. Bezuidenhout, A.S. du Toit.

1 Housekeeper : M.E. Newton.
14 Domestic Servants.
1 Native Night Watchman.

NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL.

Matron	:	C. Le Steers.
1 Housekeeper	:	N. Wright
Native Staff Nurses	:	8
Probationer Nurses	:	4
Native Domestic Staff	:	19
Native Night Watchman		1

EPIDEMIC HOSPITAL ..... /

EPIDEMIC HOSPITAL.

Officer-in-Charge	:	H.G. Fandam
Housekeeper	:	Mrs. Fandam
Native Staff Nurses	:	2
Native Orderlies	:	4
Native Domestic Staff	:	3
Night Watchman	:	1

ABATTOIR.

Manager	:	G.B. Lupton, Cert. R.S.I.; Meat & Other Foods Cert. R.S.I.
Meat Inspectors	:	H.Dreyer, Cert. R.S.I.; Meat & Other Foods Cert. R.S.I. F.P. Gascoyne, Cert. R.S.I.; Meat & Other Foods Cert. R.S.I. (Resigned).
Clerk	:	Position Vacant.
Stockyard Foreman	:	C.F. Heathman.

(16) PERI-URBAN AREAS.

The Local Health Commission continued to exercise control in the Edendale, M'Kondeni and Slangspruit Areas. The Commission has taken over the Malaria Control of the other peri-urban areas surrounding Pietermaritzburg.

No definite steps have, as yet been taken to bring the other smaller peri-urban areas - New England and Ockert's Kraal-under control. Raisethorpe was incorporated in the Borough from August 1st, 1950. An Infant Welfare Clinic was opened by this Department, an additional Health Visitor being appointed. An additional Health Inspector was also appointed and a detailed survey of the Sanitary conditions in Raisethorpe was commenced.

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REPORT B.

(1) HOUSING.

19 'National' Houses for Europeans were built by the City Council in the Riversbend scheme, and 30 'National' Houses were built by the City Council at the Sobantu Village for Natives.

Powers under the Borough By-Laws have been exercised sparingly in dealing with insanitary dwellings, owing to present conditions. 14 Dwellings were condemned for demolition under Public Health By-Law 19(b), (6 of these being demolished by the end of the period under review), and 17 dwellings were voluntarily demolished, following representations by this Department. Most of the buildings demolished were insanitary back-yard shacks occupied as dwellings by Natives.

Plans.

All plans of new buildings are submitted to this Department and 674 have been scrutinised. Of these 357 were approved out-right, 136 approved subject to minor alterations, 105 were disapproved and 76 were returned for additional information.

New Buildings.

The City Engineer reports that during the year 156 dwellings were completed for Europeans, and 6 dwellings for Non-Europeans, as compared with last year's total of 182. This is in addition to the Council building detailed above.

(2) HOUSING OF NATIVES, NATIVE OR ASIATIC LOCATIONS OR BARRACKS.

The Pietermaritzburg Sobantu Village, situated about 3 miles from the centre of the Town, at June 30th, 1951, contained 592 occupied houses and various public buildings, with an estimated population of 3,500. Water is supplied by communal standpipes from the Corporation water supply, and sanitation is by the pail system, separate for each house. Communal ablution blocks and laundries are provided. Provision for hot baths at a small charge has been made in the newly constructed ablution blocks, and this has proved very popular.

The City Council is continuing with the construction of further National (Sub-economic) Houses at the Sobantu Village. All the houses at the Sobantu Village are being built by Native labour, under European supervision.

There are three Corporation Hostels for single Natives. For Males there is the newly extended East Street Hostel (and annexes) now housing 953 Natives, and the Ortman Road Hostel with a capacity of 119. The Women's Hostel in Church Street houses 224 women, and an additional Women's Hostel housing 139 Natives, has been established at Oribi to serve the Government Village mainly. These Hostels are under the control of the Municipal Native Administration Department, and two European Superintendents are employed. The scheme for a new Women's Hostel to house over 700 has been shelved owing to the very high tender figures received when the contract was offered. 158 Temporary Licences have been granted during the year to house unexempted Natives under the Natives (Urban Areas) Act, pending the provision of more accommodation at the Village and Hostels.

About 60% of the Natives resident in the Town live in quarters provided on the property of their employers. These quarters are the subject of inspections by this Department and in general are satisfactory.

Asiatic Housing.

The Corporation owns two compounds which house the sewage farm workers and the scavenging gangs. These compounds are well constructed in brick, and house respectively 29 and 21 Asiatic Labourers, together with their wives and families, and also 13 single Asiatics and 24 single Natives, and 10 single Asiatics and 10 single Natives respectively.

The ..... /

The 50 sub-economic Indian houses completed at the beginning of 1940 have been lly occupied continuously. The Council has appointed a Woman Housing Manager, trained der the Octavia Hill Scheme, who operates under the Estates Manager in the City easurer's Department.

) REMARKS AND RECOMMENDATIONS, AND HOUSING MATTERS OF SPECIAL IMPORTANCE REQUIRING ATTENTION.

The various estimates of housing requirements made by this Department in 1939, 944 and 1945, were fully detailed in my 1944-1945 Report. No further surveys have een made. Summarised, these estimates revealed the following needs :-

Europeans	:	360 Dwellings.
Natives	:	300 Dwellings.
Coloureds	:	Approx. 50 Dwellings.
Asiatics	:	Approx. 300 Dwellings.

Against these requirements, since 1945, can be set the following provision :-

(1) Europeans: a) 55 National (Sub-economic) Houses.
b) 792 Dwellings and 111 Flats.

(2) Natives: a) 264 National (Sub-economic) Houses.
b) Accommodation for 28 persons - aged and indigent Natives.

(3) Coloureds: 28 National (Sub-economic) Houses.

(4) Asiatics: 125 Houses (including 75 Sub-economic and National Houses).

ouncil Housing:

The Council has now completed the scheme of 25 National Houses for Asiatics, nd 19 of the 42 National Houses for Europeans have been completed, the balance of hich should be ready during the coming corporate year.

The Councils' Conversion Scheme at the old Hay Paddock Camp, whereby 92 wellings have been made available has now been completed and all the dwellings are ccupied.

Housing needs as estimated a year ago, admittedly by "intelligent guesswork" nly, were as follows :-

Europeans	:	Economic	400	Sub-economic	400
Natives	:	"	Nil	"	200
Coloureds	:	"	30	"	150
Asiatics	:	"	170	"	750

While there may be some lessening of the need for economic housing for uropeans due to private enterprise, this is not considerable, for only the high middle nd upper income groups are able to meet the present day cost of building. The needs f the other income groups are steadily increasing and practically nothing is being done o meet their requirements.

The fixing of £30. as a limit of income above which no person is eligible or a 'Sub-economic' or 'National' House now places most of the European 'Sub-economic otal quoted above into the "Economic" class.

***

D E A T H S.

The detailed International List of Causes of Death as adapted for use in the Union of South Africa (5th Decennial Revision by the International Commission) is used. The omission of any cause indicates no deaths were registered for that cause.

	European			Native			Coloured			Asiatic.		
	Residents			Residents			Residents			Residents		
	M	F	P	M	F	P	M	F	P	M	F	P
1) INFECTIVE AND PARASITIC DISEASES.												
001. Typhoid Fever	0	0	0	2	0	2	0	0	0	0	0	0
008. Cerebrospinal Mgcl. Meningitis	0	0	0	0	1	1	0	0	0	0	0	0
011. Whooping Cough	0	0	0	0	1	1	0	0	0	0	0	0
012. Diphtheria	0	0	0	1	2	3	1	0	1	0	1	1
014. Tetanus	0	0	0	1	0	1	0	0	0	0	0	0
Tuberculosis of:-												
015. Respiratory System	1	1	2	11	9	20	2	1	3	7	2	9
016. Central Nervous System.	0	0	0	1	0	1	0	1	1	1	1	2
017. Intestines and Peritoneum	0	0	0	0	1	1	0	0	0	0	0	0
021. Lymphatic System	0	0	0	0	1	1	0	0	0	0	0	0
022. Genito-Urinary System.	0	0	0	1	1	2	0	0	0	0	0	0
025. Tuberculosis, Chronic Miliary	0	0	0	1	0	1	0	0	0	0	0	0
032. Bacillary Dysentery	0	0	0	0	1	1	0	0	0	0	0	0
033. Amoebic Dysentery	1	0	1	1	0	1	1	0	1	0	0	0
036. Malaria	0	0	0	0	1	1	0	0	0	0	0	0
Syphilis:-												
041. General Paralysis of the insane	0	0	0	1	0	1	0	1	1	0	0	0
042. Aneurysm of Aorta	1	0	1	2	0	2	0	0	0	1	0	1
043. Congenital Syphilis	0	0	0	0	1	1	0	0	0	0	0	0
044. Other Forms	0	0	0	3	0	3	0	0	0	0	0	0
048. Influenza with respiratory complications specified.	1	0	1	0	0	0	0	0	0	1	0	1
052. Measles	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP I	4	1	5	26	19	45	4	3	7	10	4	14

DEATHS Cont'd.

	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	4	1	5	26	19	45	4	3	7	10	4	14
(2) CANCER AND OTHER TUMOURS.												
100. Buccal Cavity	2	0	2	0	0	0	0	0	0	0	0	0
102. Stomach and Duodenum	4	1	5	0	0	0	0	0	0	0	0	0
103. Rectum	0	1	1	0	0	0	1	0	1	0	1	1
104. Liver	2	2	4	1	0	1	0	0	0	0	0	0
105. Cancer of Pancreas	1	0	1	0	0	0	0	0	0	0	0	0
106. Other digestive organs (Including Peritoneum)	1	2	3	0	0	0	0	0	0	0	0	0
109. Lung	5	0	5	0	0	0	0	0	0	0	0	0
110. Uterus	0	6	6	0	1	1	0	0	0	0	0	0
111. Other female genital organs	0	3	3	0	0	0	0	1	1	0	0	0
112. Breast	0	3	3	0	1	1	0	0	0	0	0	0
115. Male and Female Urinary Organs	1	0	1	0	0	0	0	0	0	0	0	0
116. Skin	1	0	1	0	0	0	0	0	0	0	0	0
117. Brain and Nervous System	1	0	1	0	1	1	0	0	0	0	0	0
118. Bones	0	1	1	0	1	1	0	1	1	0	1	1
119. Other and Unspecified Organs	1	1	2	0	0	0	0	0	0	1	0	1
131. Non-Malignant Tumours - Other And Unspecified Organs.	1	0	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 2	20	20	40	1	4	5	1	2	3	1	2	3
(3) RHEUMATISM, DISEASES OF NUTRITION, ETC.												
150. Chronic Rheumatism: Osteo-Arthritis, etc.	0	0	0	0	0	0	0	0	0	0	1	1
152. Diabetes.	1	3	4	0	0	0	0	1	1	0	0	0
163. Malnutrition	1	1	2	10	5	15	0	1	1	2	0	2
164. Other General Diseases	1	1	2	1	1	2	0	0	0	0	0	0
TOTAL : GROUP 3	3	5	8	11	6	17	0	2	2	2	1	3
Total C/Forward :	27	26	53	38	29	67	5	7	12	13	7	20

DEATHS. Cont'd.

	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	27	26	53	38	29	67	5	7	12	13	7	20
(4) DISEASES OF THE BLOOD.												
200. Primary Purpura.	0	0	0	1	0	1	0	0	0	0	0	0
203. Pernicious Anaemia	0	2	2	0	0	0	0	0	0	0	0	0
207. Leukaemia	1	0	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 4	1	2	3	1	0	1	0	0	0	0	0	0
(6) DISEASES OF THE NERVOUS SYSTEM.												
Encephalitis (non-epidemic)— 300. Intra-cranial Abscess	2	0	2	0	0	0	0	0	0	0	0	0
301. Other Forms	1	0	1	0	0	0	0	0	0	0	0	0
302. Pneumococcal Meningitis	0	0	0	1	0	1	0	0	0	0	0	0
303. Other Forms of Meningitis	0	0	0	2	0	2	0	0	0	1	0	1
305. Cerebral Haemorrhage	5	7	12	2	1	3	0	1	1	1	1	2
306. Cerebral Embolism and Thrombosis	1	3	4	0	1	1	0	1	1	3	1	4
307. Hemiplegia and Other Paralysis of unstated origin	1	1	2	0	0	0	0	0	0	0	0	0
308. Mental Disorders and deficiency	1	2	3	3	0	3	0	0	0	1	0	1
309. Epilepsy	4	1	5	4	0	4	0	0	0	0	0	0
315. Others	0	0	0	1	0	1	0	0	0	0	1	1
317. Diseases of the ear and mastoid process	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL : GROUP 6	15	14	29	13	2	15	0	2	2	7	3	10
Total C/Forward	43	42	85	52	31	83	5	9	14	20	10	30

DEATHS Cont'd.

	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS.			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/forward	43	42	85	52	31	83	5	9	14	20	10	30
(7) DISEASES OF THE CIRCULATORY SYSTEM.												
350. Chronic Pericarditis specified as Rheumatic	1	0	1	0	0	0	0	0	0	0	0	0
351. Other Pericarditis	0	0	0	1	0	1	0	0	0	0	0	0
352. Acute Endocarditis	0	1	1	0	0	0	0	0	0	0	0	0
353. Valvular Disease-Rheumatic	0	3	3	0	0	0	0	0	0	0	0	0
354. Valvular Disease- Other Forms	2	1	3	0	0	0	0	0	0	0	0	0
355. Acute Myocarditis	1	3	4	1	2	3	0	0	0	1	0	1
356. Chronic Myocarditis specified as Rheumatic.	1	3	4	1	0	1	0	1	1	1	0	1
357. Other Chronic Myocarditis	10	9	19	2	0	2	0	1	1	0	2	2
358. Diseases of the Coronary Arteries and angina pectoris	29	12	41	3	2	5	0	1	1	3	0	3
359. Heart disease specified as Rheumatic	0	0	0	0	0	0	0	0	0	1	0	1
360. Other Heart Diseases not specified as Rheumatic	11	11	22	4	0	4	1	1	2	4	3	7
362. Arterio sclerosis	3	0	3	1	1	2	0	0	0	0	1	1
364. Other Diseases of the Arteries	1	0	1	0	0	0	0	0	0	0	0	0
365. Diseases of the Veins	0	0	0	0	0	0	0	1	1	0	0	0
367. High Blood Pressure	2	6	8	2	1	3	0	1	1	1	1	2
368. Other diseases of the Circulatory System	3	2	5	0	0	0	1	0	1	1	1	2
TOTAL : GROUP 7	64	51	115	15	6	21	2	6	8	12	8	20
Total C/Forward	107	93	200	67	37	104	7	15	22	32	18	50

DEATHS Cont'd.

	EUROPEAN RESIDENTS.			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	107	93	200	67	37	104	7	15	22	32	18	50
(8) DISEASES OF THE RESPIRATORY SYSTEM												
402. Acute Bronchitis	0	0	0	1	0	1	0	0	0	0	0	0
403. Chronic Bronchitis	0	0	0	1	0	1	0	0	0	2	0	2
404. Broncho Pneumonia	1	4	5	10	7	17	1	1	2	3	4	7
405. Lobar Pneumonia	0	1	1	7	5	12	0	0	0	1	1	2
406. Pneumonia Unspecified	1	4	5	0	0	0	0	0	0	0	1	1
409. Haem. Infarction of lungs, etc.	3	3	6	0	1	1	0	0	0	1	0	1
410. Chronic or Unspecified congestion of the lungs	1	3	4	0	1	1	0	0	0	1	1	2
411. Asthma	0	0	0	1	1	2	0	0	0	0	0	0
417. Abscess of Lung.	0	0	0	1	0	1	0	0	0	0	0	0
418. Other Diseases of Respiratory System not specified as occupational	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : GROUP 8	6	15	21	21	15	36	1	1	2	8	8	16
Total C/Forward	113	108	221	88	52	140	8	16	24	40	26	66

DEATHS. Cont'd.

	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS.		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	113	108	221	88	52	140	8	16	24	40	26	66
(9) DISEASES OF THE DIGESTIVE SYSTEM.												
455. Ulcers of the Stomach.	0	0	0	1	0	1	0	0	0	0	0	0
458. Diarrhoea and Enteritis (under 2 years).	0	0	0	9	14	23	1	2	3	8	1	9
459. Diarrhoea and Enteritis (over 2 years).	0	1	1	0	2	2	0	0	0	2	1	3
461. Appendicitis	1	0	1	0	0	0	0	1	1	0	0	0
462. Hernia	0	0	0	1	0	1	0	0	0	0	0	0
463. Intestinal Obstruction	1	1	2	2	0	2	0	0	0	0	0	0
467. Cirrhosis of Liver without alcoholism	0	0	0	1	0	1	0	0	0	1	0	1
468. Acute yellow atrophy of Liver	0	1	1	0	0	0	0	0	0	0	0	0
469. Oth. Diseases of Liver	0	0	0	1	0	1	1	0	1	0	0	0
473. Peritonitis without stated cause.	0	0	0	2	0	2	0	0	0	0	0	0
TOTAL : GROUP 9	2	3	5	17	16	33	2	3	5	11	2	13
Total C/Forward	115	111	226	105	68	173	10	19	29	51	28	79

DEATHS. Cont'd.

	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	115	111	226	105	68	173	10	19	29	51	28	79
(10) DISEASES OF THE URINARY AND GENITAL SYSTEMS.												
500. Acute Nephritis	0	0	0	2	0	2	0	0	0	0	0	0
501. Chronic Nephritis	0	2	2	0	0	0	0	0	0	7	3	10
503. Pyelitis	2	0	2	0	0	0	1	0	1	0	0	0
504. Oth. Diseases of Kidneys and Ureters	0	1	1	0	0	0	0	0	0	0	0	0
506. Cystitis	0	0	0	0	1	1	0	0	0	0	0	0
509. Hypertrophy Prostate	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL : GROUP 10	2	3	5	2	1	3	1	0	1	8	3	11
(11) DISEASES OF PREGNANCY.												
553. Haemorrhage from premature separation of placenta and other accidental haemorrhage during pregnancy (except abortion).	0	1	1	0	0	0	0	0	0	0	0	0
574. Other accidents of childbirth	0	1	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 11	0	2	2	0	0	0	0	0	0	0	0	0
(12) DISEASES OF THE SKIN AND CELLULAR TISSUE.												
600. Carbuncle, boils.	0	0	0	0	0	0	0	0	0	1	0	1
602. Other diseases of the skin	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : GROUP 12	0	0	0	0	0	0	0	1	1	1	0	1
Total C/Forward	117	116	233	107	69	176	11	20	31	60	31	91

DEATHS. Cont'd.

	EUROPEAN RESIDENTS.			NATIVE RESIDENTS.			COLOURED RESIDENTS.			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	117	116	233	107	69	176	11	20	31	60	31	91
(14) CONGENITAL MALFORMATIONS.												
703. Monstrosities	0	0	0	0	0	0	0	0	0	1	0	1
708. Other stated congenital malformations.	0	0	0	0	0	0	0	0	0	0	1	1
709. Unspecified congenital malformations	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : GROUP 14	0	0	0	0	0	0	0	0	0	1	2	3
(15) DISEASES PECULIAR TO THE FIRST YEAR OF LIFE.												
750. Congenital Debility	1	0	1	0	2	2	0	0	0	1	0	1
751. Premature Birth	2	3	5	3	6	9	2	1	3	5	3	8
752. Injury at birth - intracranial haemorrhage	1	0	1	2	0	2	1	0	1	1	0	1
754. Asphyxia during or after birth	0	1	1	0	2	2	0	0	0	0	1	1
758. Other specified diseases	1	0	1	0	0	0	0	1	1	0	1	1
TOTAL : GROUP 15	5	4	9	5	10	15	3	2	5	7	5	12
(16) SENILITY.												
800. Senility (age 65 and over)	15	12	27	3	1	4	3	0	3	6	2	8
TOTAL : GROUP 16	15	12	27	3	1	4	3	0	3	6	2	8
Total C/Forward	137	132	269	115	80	195	17	22	39	74	40	114

DEATHS. Cont'd.

	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	137	132	269	115	80	195	17	22	39	74	40	114
(17) VIOLENT OR ACCIDENTAL DEATHS.												
852. Other or unspecified solid or liquid poisons.	1	0	1	0	0	0	0	0	0	1	0	1
857. Drowning (Suicide)	0	0	0	1	0	1	0	0	0	1	0	1
858. Firearms and explosives	1	0	1	0	0	0	0	0	0	0	0	0
866. Homicide by cutting or piercing instruments	0	0	0	3	1	4	0	0	0	3	0	3
867. Homicide by other or unspecified means	0	0	0	1	0	1	0	0	0	1	0	1
868. Accidents on Railways	1	0	1	0	0	0	0	0	0	0	0	0
869. Collisions with trains	1	0	1	0	0	0	0	0	0	0	0	0
871. Otheraccidents (Motor-driven Road Vehicles)	2	1	3	2	0	2	0	0	0	1	0	1
874. Other Accidents (Motor-driven cycles)	0	0	0	1	0	1	0	0	0	0	0	0
877. Other accidents (Pedal cycles)	0	0	0	1	0	1	0	0	0	0	0	0
891. Accidental Burns	2	1	3	0	0	0	0	1	1	0	3	3
893. Accidental Drowning	1	0	1	0	0	0	0	0	0	0	0	0
894. Accidental Injury by Firearms	0	0	0	1	0	1	0	0	0	0	0	0
896. Accidental injury by fall	0	0	0	1	0	1	0	0	0	0	0	0
908. Other and Unspecified Accidents	0	1	1	4	0	4	1	0	1	0	1	1
TOTAL : GROUP 17	9	3	12	15	1	16	1	1	2	7	4	11
(18) ILL-DEFINED CAUSES OF DEATH.												
950. Sudden death	0	0	0	1	0	1	0	0	0	0	0	0
951. Ill-defined causes	0	0	0	0	1	1	0	0	0	0	0	0
TOTAL : GROUP 18	0	0	0	1	1	2	0	0	0	0	0	0
TOTAL	146	135	281	131	82	213	18	23	41	81	44	125

INFANTILE MORTALITY.

(Under 1 Year).

CAUSES OF DEATH.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
011. Whooping Cough	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
043. Congenital Syphilis	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
044. Syphilis - Other forms	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
052. Measles	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
163. Malnutrition	0	1	1	5	2	7	0	0	0	0	0	0	5	2	7
200. Primary Purpura	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
308. Mental Disorders and deficiency	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
360. Oth. dis. of the heart not spec. as rheumatic	1	0	1	0	0	0	0	0	0	1	0	1	1	0	1
404. Broncho Pneumonia	0	1	1	6	4	10	1	0	1	1	1	2	8	5	13
405. Lobar Pneumonia	0	0	0	1	3	4	0	0	0	1	1	2	2	4	6
418. Oth. dis. of the lung	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
458. Diarrhoea & Enteritis (under 2 years).	0	0	0	7	12	19	1	1	2	5	1	6	13	14	27
463. Intestinal obstruction	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
469. Oth. dis. of the liver	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
703. Monstrosities	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
704. Congenital pyloric stenosis	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
708. Other stated congenital malformations	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
709. Unspec. congenital malformations	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
750. Congenital debility	1	0	1	0	2	2	0	0	0	1	0	1	1	2	3
751. Premature Birth	2	3	5	3	6	9	2	1	3	5	3	8	10	10	20
752. Intra-cranial or spinal haemorrhage	1	0	1	2	0	2	1	0	1	1	0	1	4	0	4
754. Asphyxia, Atelectasis	0	1	1	0	2	2	0	0	0	0	1	1	0	3	3
758. Oth. specified dis.	1	0	1	0	0	0	0	1	1	0	1	1	0	2	2
951. Ill-defined causes	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
TOTAL :	7	8	15	28	34	62	5	3	8	16	11	27	49	48	97

INFANTILE MORTALITY.

RESIDENTS.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
During 1st Week	4	5	9	6	6	12	3	2	5	6	4	10	15	12	27
1st Week - 3 Weeks	2	0	2	0	7	7	2	0	2	2	2	4	4	9	13
1 Month - 2 Months	1	1	2	5	5	10	0	1	1	1	1	2	6	7	13
3 Months - 5 Months	0	1	1	5	7	12	0	0	0	2	2	4	7	9	16
6 Months - 8 Months	0	1	1	5	3	8	0	0	0	3	1	4	8	4	12
9 Months - 11 Months	0	0	0	7	6	13	0	0	0	2	1	3	9	7	16
TOTAL :	7	8	15	28	34	62	5	3	8	16	11	27	49	48	97

INFANTILE MORTALITY RATES.

(Deaths per 1,000 Births).

	EUROPEAN	NATIVE	COLOURED	ASIATIC
During 1st Week	9 : 14.2	12 : 44.1	5 : 30.3	10 : 11.9
1 Week - 3 Weeks	2 : 3.1	7 : 25.9	2 : 12.1	4 : 4.8
1 Month - 2 Months	2 : 3.1	10 : 36.8	1 : 6.1	2 : 2.4
3 Months - 5 Months	1 : 1.6	12. : 44.1	0 : 0.0	4 : 4.8
6 Months - 8 Months	1 : 1.6	8 : 29.4	0 : 0.0	4 : 4.8
9 Months - 11 Months	0 : 0.0	13 : 47.8	0 : 0.0	3 : 3.6
Infantile Mortality Rate	15 : 23.6	62 : 22.8	8 : 48.5	27 : 32.1

PERCENTAGE OF DEATHS AT ALL AGES OCCURRING IN THE FIRST YEAR OF LIFE.

European	: 5.3%
Native	: 29.1%
Coloured	: 19.5%
Asiatic	: 21.6%
All Non-European	: 25.6%
All Races	: 17.0%

INFANTILE DEATHS FROM VARIOUS CAUSES EXPRESSED AS A PERCENTAGE OF ALL INFANTILE DEATHS.

	EUROPEAN		NATIVE		COLOURED		ASIATIC		ALL NON-EUR.	
	No.	%	No.	%	No.	%	No.	%	No.	%
Malnutrition	1	6.7	7	11.3	0	0.0	0	0.0	7	7.2
Tuberculosis (All forms)	0	0.0	1	1.6	0	0.0	0	0.0	1	1.0
Gastro-Enteritis	0	0.0	19	30.7	2	25.0	6	22.2	27	27.9
Bronchitis & Pneumonia	1	6.7	14	22.4	1	12.5	4	14.8	19	19.6
Malformations	1	6.7	0	0.0	0	0.0	3	11.1	3	3.1
Congenital Debility	1	6.7	2	3.1	0	0.0	1	3.7	3	3.1
Prematurity	5	33.3	9	9.7	3	37.5	8	29.6	20	20.6
Injury at Birth	1	6.7	2	3.1	1	12.5	1	3.7	4	4.1
Convulsions	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Whooping Cough	0	0.0	1	1.6	0	0.0	0	0.0	1	1.0
Syphilis	0	0.0	1	1.6	0	0.0	0	0.0	1	1.0
Diphtheria	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other specified Causes	5	33.3	5	8.1	1	12.5	4	14.8	10	10.3
Ill-defined causes	0	0.0	1	1.6	0	0.0	0	0.0	1	1.0
	15		62		8		27		97	

[illegible]

	Sub-total				Nursing				Confining				Abortion				All Non-Sep.			
	Ab.	%	Sa.	%	Ab.	%	Sa.	%	Ab.	%	Sa.	%	Ab.	%	Sa.	%	Ab.	%	Sa.	%
Week	4	5	9	6	4	12	6	7	5	5	4	10	15	12	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3 Weeks	2	0	2	0	1	7	2	0	2	2	2	4	8	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2 Months	1	1	2	5	5	10	0	4	1	1	1	2	4	7	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6 Months	0	1	1	5	7	12	0	0	6	2	2	4	7	6	12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9 Months	0	1	1	5	5	6	0	3	6	2	1	3	3	4	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11 Months	0	0	0	1	8	12	0	0	0	2	1	4	6	7	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	7	9	15	22	24	49	8	14	18	12	11	27	42	49	97	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

(Deaths per 1,000 births).

	Puerperal				Neuritis				Convulsions				Infection			
Week	8	:	14.2	12	:	24.1	4	:	7.1	4	:	7.1	[illegible]	[illegible]	[illegible]	[illegible]
3 Weeks	5	:	9.1	7	:	25.5	4	:	12.1	4	:	12.1	[illegible]	[illegible]	[illegible]	[illegible]
2 Months	2	:	4.1	10	:	34.4	1	:	3.1	8	:	24.6	[illegible]	[illegible]	[illegible]	[illegible]
6 Months	1	:	1.6	12	:	24.1	0	:	0.0	4	:	14.6	[illegible]	[illegible]	[illegible]	[illegible]
9 Months	5	:	1.6	8	:	22.4	0	:	0.0	4	:	14.6	[illegible]	[illegible]	[illegible]	[illegible]
11 Months	0	:	0.0	15	:	27.8	0	:	0.0	5	:	9.2	[illegible]	[illegible]	[illegible]	[illegible]
Mortality Rate	15	:	25.6	65	:	23.8	8	:	13.0	27	:	32.3	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] OF DEATHS AT ALL AGES
CONFINED IN THE LAST TEN YEARS OF LIFE.

Sub-total	: 8.3%
Nursing	: 28.1%
Confining	: 16.5%
Abortion	: 21.8%
All Non-Surgical	: 22.4%
All Sepsis	: 17.3%

MORTALITY DURING THREE VARIOUS CAUSES EXPRESSED AS
A PROPORTION OF ALL-INCLUSIVE DEATHS.

	Sub-total				Nursing				Confining				Abortion				All Non-Sep.			
	Ab.	%	Sa.	%	Ab.	%	Sa.	%	Ab.	%	Sa.	%	Ab.	%	Sa.	%	Ab.	%	Sa.	%
[illegible]	1	0.2	7	1.8	0	0.0	6	0	0.0	0	0.0	2	0.0	2	2.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] (All forms)	0	0.0	1	1.6	0	0.0	0	0	0.0	0	0.0	1	1.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0	0.0	16	26.2	2	25.0	7	0	0.0	2	22.2	20	22.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1	0.2	14	22.9	1	12.5	1	1	14.3	1	14.3	10	10.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1	0.2	0	0.0	0	0.0	0	0	0.0	1	12.5	8	5.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1	0.2	2	3.3	0	0.0	0	1	0.0	1	8.7	8	4.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	5	1.3	5	8.2	2	37.5	2	3	38.5	0	0.0	20	12.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1	0.2	2	3.3	1	12.5	1	1	8.7	4	3.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0	0.0	1	1.6	0	0.0	0	0	0.0	0	0.0	1	1.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0	0.0	1	1.6	0	0.0	0	0	0.0	0	0.0	1	1.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

PULMONARY TUBERCULOSIS.

DEATHS IN MONTHS OF THE YEAR.

RESIDENTS.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
August	0	0	0	2	2	4	0	0	0	1	0	1	3	2	5
September	0	0	0	1	0	1	0	0	0	1	0	1	2	0	2
October	0	0	0	1	2	3	0	0	0	1	0	1	2	2	4
November	1	0	1	0	1	1	0	0	0	1	1	2	1	2	3
December	0	0	0	0	0	0	1	0	1	1	0	1	2	0	2
January	0	0	0	2	0	2	0	0	0	1	0	1	3	0	3
February	0	0	0	1	2	3	0	1	1	0	1	1	1	4	5
March	0	0	0	1	0	1	1	0	1	0	0	0	2	0	2
April	0	1	1	0	1	1	0	0	0	0	0	0	0	1	1
May	0	0	0	2	0	2	0	0	0	1	0	1	3	0	3
June	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
TOTAL :	1	1	2	11	9	20	2	1	3	7	2	9	20	12	32

PULMONARY TUBERCULOSIS DEATH RATES PER 1,000 POPULATION.

European	:	0.07
Native	:	1.05
Coloured	:	0.92
Asiatic	:	0.57
All Non-European	:	0.84
All Persons	:	0.50

DEATHS IN AGE GROUPS.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
0 - 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 2 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 - 4 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
5 - 14 years	0	0	0	1	0	1	0	0	0	3	0	3	4	0	4
15 - 24 years	0	0	0	0	1	1	0	0	0	0	1	1	0	2	2
25 - 34 years	0	0	0	3	4	7	0	1	1	1	0	1	4	5	9
35 - 44 years	0	0	0	1	0	1	1	0	1	1	0	1	3	0	3
45 - 54 years	0	0	0	3	1	4	0	0	0	0	0	0	3	1	4
55 - 64 years	0	0	0	0	1	1	1	0	1	2	1	3	3	2	5
65 - 74 years	0	0	0	1	2	3	0	0	0	0	0	0	1	2	3
75 and Over	1	1	2	1	0	1	0	0	0	0	0	0	1	0	1
TOTAL :	1	1	2	11	9	20	2	1	3	7	2	9	20	12	32

PULMONARY TUBERCULOSIS.

DEATHS IN MONTHS OF 1ST YEAR.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL RACES		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
[illegible]	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0
[illegible]	0	0	0	2	4	6	0	0	0	4	0	4	2	4	6
[illegible]	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0
[illegible]	0	0	0	1	2	3	0	0	0	1	0	1	0	2	2
[illegible]	1	0	1	0	1	1	0	0	0	1	1	2	1	2	3
[illegible]	0	0	0	0	0	0	1	0	1	1	0	1	2	0	2
[illegible]	0	0	0	0	2	2	0	0	0	1	0	1	3	0	3
[illegible]	0	0	0	1	2	3	0	1	1	0	1	1	1	4	5
[illegible]	0	0	0	1	0	1	0	0	0	1	0	1	0	2	2
[illegible]	1	1	2	1	1	2	0	0	0	0	0	0	2	2	4
[illegible]	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
[illegible]	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
[illegible]	1	2	3	1	0	1	0	0	0	0	0	0	1	0	1
	1	1	2	9	11	20	2	1	3	7	2	9	20	12	32

PULMONARY TUBERCULOSIS DEATH RATES PER 1,000 POPULATION.

European	:	0.08
Native	:	1.06
Coloured	:	0.02
Asiatic	:	0.07
All Non-European	:	0.04
All Persons	:	0.05

DEATHS IN AGE GROUPS.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL RACES		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
3	0	0	0	1	0	1	0	0	0	3	0	3	4	0	4
4	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
5	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
6	0	0	0	3	4	7	0	1	1	1	1	2	4	6	10
7	0	0	0	1	0	1	0	0	0	2	0	2	3	0	3
8	0	0	0	4	1	5	0	0	0	0	0	0	5	1	6
9	0	0	0	1	1	2	0	1	1	0	1	1	3	2	5
10	0	0	0	1	5	6	0	0	0	0	0	0	1	2	3
11	2	2	1	0	1	0	0	0	0	0	0	0	1	0	1
	2	2	2	12	20	32	1	2	3	7	2	9	20	12	32

NON-PULMONARY TUBERCULOSIS.

DEATHS IN MONTHS OF THE YEAR.

RESIDENTS.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	1	1	2	0	0	0	1	0	1	2	1	3
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
January	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
February	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
May	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	0	0	3	3	6	0	1	1	1	1	2	4	5	9

DEATH RATE PER 1,000 POPULATION.

European	:	0.00
Native	:	0.32
Coloured	:	0.31
Asiatic	:	0.13
All Non-European	:	0.24
ALL PERSONS	:	0.13

DEATHS IN AGE GROUPS.

RESIDENTS.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
0 - 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 2 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
2 - 4 years	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
25 - 34 years	0	0	0	1	0	1	0	0	0	0	1	1	1	1	2
35-- 44 years	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
45 - 54 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
55 - 64 years	0	0	0	0	2	2	0	0	0	0	0	0	0	2	2
65 - 74 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	0	0	3	3	6	0	1	1	1	1	2	4	5	9

C A N C E R.

DEATHS IN AGE GROUPS.

RESIDENTS

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 2 years	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
2 - 4 years	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
5 - 14 years	1	0	1	0	0	0	0	0	0	0	1	1	0	1	1
15 - 24 years	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
25 - 34 years	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44 years	0	0	0	0	1	1	0	1	1	0	0	0	0	2	2
45 - 54 years	4	1	5	1	0	1	0	0	0	0	0	0	1	0	1
55 - 64 years	2	1	3	0	1	1	0	1	1	0	1	1	0	3	3
65 - 74 years	7	7	14	0	0	0	0	0	0	1	0	1	1	0	1
75 and Over	4	10	14	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	19	20	39	1	4	5	1	2	3	1	2	3	3	8	11

DEATH RATES PER 1,000 POPULATION.

European	:	1,31
Native	:	0,26
Coloured	:	0,92
Asiatic	:	0,19
All Non-European	:	0,29
ALL PERSONS	:	0,74

FORMS OF CANCER CAUSING DEATHS GIVEN IN AGE GROUPS.

RESIDENTS ONLY.

	0 - 24				25 - 44				45 - 64				65 and Over			
	Eur.		N.Eur.		Eur.		N.Eur.		Eur.		N.Eur.		Eur.		N.Eur.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cancer of :-																
100. Buccal Cavity	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
102. Stomach and Duodenum	0	0	0	0	0	0	0	0	1	0	0	0	3	1	0	0
103. Rectum	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0
104. Liver	0	0	0	0	0	0	0	0	1	0	1	0	1	2	0	0
105. Pancreas	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
106 Other digestive organs (incl. peritoneum).	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0
109. Lung	0	0	0	0	1	0	0	0	2	0	0	0	2	0	0	0
110. Uterus	0	0	0	0	0	0	0	0	0	1	0	1	0	5	0	0
111. Other female genital organs	0	0	0	0	0	1	0	0	0	0	0	1	0	2	0	0
112. Breast	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	0
113. Prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115. Male and Female Urinary organs.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
116. Skin	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
117. Brain and Other parts of nervous system	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
118. Bones	0	0	0	2	0	0	0	1	0	0	0	0	0	1	0	0
119. Other and unspecified organs.	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0
TOTAL :	1	0	1	3	1	1	0	2	6	2	2	3	11	17	0	0

DEATHS DUE TO BRONCHITIS AND PNEUMONIA.

(Code Nos. 402 - 406).

RESIDENTS : (Given in months of the Year).

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July	0	0	0	1	0	1	0	1	1	0	0	0	1	1	2
August	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
September	0	5	5	4	0	4	0	0	0	3	1	4	7	1	8
October	0	0	0	1	2	3	0	0	0	0	1	1	1	3	4
November	0	0	0	2	0	2	0	0	0	1	1	2	3	1	4
December	1	0	1	2	0	2	0	0	0	1	0	1	3	0	3
January	0	0	0	0	2	2	0	0	0	0	1	1	0	3	3
February	0	0	0	2	0	2	0	0	0	1	0	1	3	0	3
March	0	1	1	3	5	8	0	0	0	0	1	1	3	6	9
April	1	1	2	0	1	1	0	0	0	0	1	1	0	2	2
May	0	0	0	2	1	3	1	0	1	1	0	1	4	1	5
June	0	2	2	1	0	1	0	0	0	0	0	0	1	0	1
TOTAL :	2	9	11	19	12	31	1	1	2	7	6	13	27	19	46

RESIDENTS : (GIVEN IN AGE GROUPS.)

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	0	1	1	7	7	14	1	0	1	2	2	4	10	9	19
1 - 2 years	1	0	1	3	4	7	0	1	1	1	1	2	4	6	10
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	1	0	1	0	0	0	0	2	2	1	2	3
25 - 34 years	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
35 - 44 years	0	0	0	2	0	2	0	0	0	0	1	1	2	1	3
45 - 54 years	1	1	2	0	0	0	0	0	0	1	0	1	1	0	1
55 - 64 years	0	0	0	1	0	1	0	0	0	1	0	1	2	0	2
65 - 74 years	0	3	3	1	0	1	0	0	0	2	0	2	3	0	3
75 and Over	0	4	4	2	1	3	0	0	0	0	0	0	2	1	3
TOTAL :	2	9	11	19	12	31	1	1	2	7	6	13	27	19	46

Bronchitis	0	0	0	2	0	2	0	0	0	2	0	2	4	0	4
Pneumonia	2	9	11	17	12	29	1	1	2	5	6	11	23	19	42
TOTAL :	2	9	11	19	12	31	1	1	2	7	6	13	27	19	46

DEATH RATES PER 1,000 POPULATION.

BRONCHITIS : Code Nos. 402 - 403		PNEUMONIA : Code Nos. 404 - 406.	
European :	0.0	European :	0.37
Native :	0.11	Native :	1.63
Coloured :	0.0	Coloured :	0.62
Asiatic :	0.13	Asiatic :	0.82
All Non-European :	0.10	All Non-European:	1.21
All Persons :	0.06	All Persons :	0.84

DISEASES OF THE HEART AND CIRCULATORY SYSTEM.

(Code Nos. 350 - 368).

DEATHS IN AGE GROUPS.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	1	0	1	0	0	0	0	0	0	1	0	1	1	0	1
1 - 2 years	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 -14 years	0	0	0	0	0	0	2	0	2	0	0	0	2	0	2
15-24 years	0	0	0	2	0	2	0	1	1	2	0	2	4	1	5
25-34 years	3	0	3	2	0	2	0	1	1	1	1	2	3	2	5
35-44 years	1	2	3	1	0	1	0	0	0	3	0	3	4	0	4
45-54 years	4	2	6	2	2	4	0	1	1	1	0	1	3	3	6
55-64 years	10	8	18	4	4	8	0	0	0	1	2	3	5	6	11
65-74 years	27	19	46	2	0	2	0	3	3	2	5	7	4	8	12
75 and Over	17	20	37	2	0	2	0	0	0	1	0	1	3	0	3
TOTAL :	64	51	115	15	6	21	2	6	8	12	8	20	29	20	49

DEATH RATE (PER 1,000 POPULATION).

European	:	3.87
Native	:	1.01
Coloured	:	2.46
Asiatic	:	1.26
All Non-European	:	1.28
All Persons	:	2.42

DEATHS DUE TO DIARRHOEA AND ENTERITIS.

(Under age of 2 years).

(Code No. 458).

RESIDENTS.

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
July	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
November	0	0	0	2	3	5	0	0	0	0	0	0	2	3	5
December	0	0	0	1	1	2	0	1	1	1	0	1	2	2	4
January	0	0	0	2	1	3	0	0	0	2	0	2	4	1	5
February	0	0	0	1	2	3	0	0	0	1	0	1	2	2	4
March	0	0	0	3	2	5	0	0	0	1	0	1	4	2	6
April	0	0	0	0	0	0	1	1	2	1	0	1	2	1	3
May	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
June	0	0	0	0	2	2	0	0	0	2	1	3	2	2	4
TOTAL :	0	0	0	9	14	23	1	2	3	8	1	9	18	16	34

DISTRICTS OF RESIDENCE OF CASES OF ENTERIC FEVER AND TUBERCULOSIS.

	Notifications of Enteric Fever	Deaths from Tuberculosis
P.M.Burg Central	5	18
Zwartkop Valley	1	1
Wembley	1	1
Scottsville (in water supply area)	2	0
Scottsville (outside water supply area)	0	0
Mountain Rise	1	1
Pentrich (in water supply area)	1	2
Pentrich (outside water supply area)	0	0
Chase and Town Bush Valleys	0	0
Sobantu Village	4	7
Hathorn's Hill	0	0
Asiatic Housing Scheme	0	0
Raisethorpe	0	4
Unable to trace residence	1	0
TOTAL :	16	34

TUBERCULOSIS CLINIC.

July 1st, 1950 to June 30th, 1951.

	European				Native				Coloured				Asiatic				Total			
	Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
New Cases	96	110	8	9	85	55	93	30	24	16	8	2	154	124	22	10	359	305	131	51
Total Attendances	203	183	34	29	292	130	192	98	151	81	21	19	613	291	45	29	1259	685	292	175
Sputa Examined	4	-	1	-	6	2	10	-	3	2	-	-	11	2	-	1	24	6	11	1
Sputa Positive	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-
X.Ray Examinations	122	117	19	16	110	66	117	41	33	41	1	-	225	169	23	17	490	393	160	74
" Positive	10	4	1	3	37	11	26	7	5	14	1	3	50	17	6	2	102	46	34	15
Positive Diagnosis made	-	1	1	-	4	-	9	9	-	3	1	1	7	2	1	1	11	6	12	11
Admitted to Hospital from Clinic	-	-	-	-	1	-	2	1	4	4	-	-	1	-	-	-	6	4	2	1
Contacts Examined	34	41	4	3	3	13	2	7	4	8	1	-	60	87	3	9	101	149	10	19

	EUROPEAN	NATIVE	COLOURED	ASIATIC	TOTAL
Home Visits to Tuberculotics and their contacts (Borough cases only)	500	1,747	182	859	3288

VENEREAL DISEASE.

CLINIC ATTENDANCES FOR THE YEAR ENDING 30th JUNE, 1951.

EUROPEAN (for key) (see page) (56)	A Transferred to Hospital				B New Cases				C Transferred from Hospital & Oth. Clinics				D Undergoing Course II of treatment				E Undergoing Course III of treatment				F Undergoing Course IV of treatment				G Undergoing Course V of treatment				H Total Attendances			
	Bor.		O/B.		Bor		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.			Bor.	O/B.		Bor.		O/B.		Bor.		O/B.	
	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	M	F	M	F	M	F
1													3				3												9			
2					3								8																41			
3														8															1	21		
4																													3			
5					2	4		1		1			3																18	64		7
6																																
7																																
8																													1			
9					4	2																							14	13		
10																																
11																																
12																																
13																																
14																																
15					1																								13			
16																																
17					3	3				1																			5	7		
18					2																								8		1	
Total :					15	9		1		2			14	8			3												113	105	1	7

19 Discharged on Probation. Borough : Males 3 Females 2 Out-of-Borough : Males 0 Females : 0

20. Discharged Finally " : Males 0 Females 0 " : Males 0 Females : 0

VENEREAL DISEASE. Cont'd.

CLINIC ATTENDANCES FOR THE YEAR ENDING 30th JUNE, 1951.

NATIVE (For Key) (see page) (56)	A Transferred to Hospital				B New Cases				C Transferred from hospital & Oth. Clinics				D Undergoing Course II of treatment				E Undergoing Course III of treatment				F Undergoing Course IV of treatment				G Undergoing Course V of treatment				H Total Attendances			
	Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.	
	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	M	F	M	F	M	F
1	1								17	1	4	2	23	5		5	22	5			18	20			19				194	52	12	22
2	4		4	3	8	1	1	2	45	5	8	10	231	7	33	12	159	10	9	12	143	18	4	1	54	1	1		804	106	98	123
3	8	10	9	11	18	8	5	12	120	62	51	110	182	137	51	74	139	167	10	76	167	90	9	59	98	54	3	42	1324	805	262	713
4	1					1			3					16		3	5	12		7	32	19			25	12			96	65	14	14
5	1	3	1	2	33	44	6	43	29	95	8	100	202	327	22	162	190	222	34	109	184	174	41	121	186	73	4	40	1413	1759	262	1403
6					3			1																					16			2
7					5		5	3	1	6	4	6	21	12	36		34	11	6		18		3	2	5			3	109	55	92	51
8			1	1	1	1				2	1	2		3				1		9		2							2	18	6	19
9	4	1	1		3	2		5	25	2	10	5																	95	15	20	38
10																																
11									1		2	2																	3		18	4
12										1																			9	1		
13																													19			
14																																
15			1	1					13	1	8	1																	38	15	12	5
16																													3			
17	1		1	1	40	31	35	33	10	9	19	22																	193	131	169	161
18	1				9	8		7	11	4		6																	74	41		57
TOTAL :	21	14	18	19	120	96	52	106	275	188	115	266	659	507	142	256	549	428	59	213	562	323	57	183	387	140	8	84	4392	3063	965	2312

19 Discharged on Probation : Borough : Male 669 Female 294 O/Borough : Male 137 Female 334

20 Discharged Finally : " : " 86 " 31 " : " 25 " 48

VENEREAL DISEASE. Cont'd.

CLINIC ATTENDANCES FOR THE YEAR ENDING 30th JUNE, 1951.

COLOURED (for Key) (see page) (56)	A Transferred to Hospital				B New Cases				C Transferred from Hospital & Oth.Clinics				D Undergoing Course II of treatment				E Undergoing Course III of treatment				F Undergoing Course IV of treatment				G Undergoing Course V of treatment				H Total Attendances			
	Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B	
	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	M	F	M	F	M	F
1																					1					1		1	1	1	11	1
2									1			1	2	1		1				1	12	7		1	8				23	17		4
3									2	2			1	15						2									7	47		5
4																																
5					2	2		2	2	8		1	7	30		12	19	8	1	1	3	16		3	2	7		4	66	177	7	59
6																		1												1		
7									2			1	4	1															13	3		9
8														4				5				3								16		
9																														2		
10																																
11																																
12																																
13																																
14																																
15																																
16																																
17					4	4		1		1																			14	15	1	3
18																														1		
TOTAL					6	6		3	7	11		3	14	51		13	19	14	1	4	16	26		4	10	8		5	124	280	19	81

19. Discharged on Probation Borough : Male 11 Female : 19 O/Borough : Male 1 Female 8

20. Discharged Finally Cured. Borough : Male 1 Female 16 O/Borough : Male 0 Female 0

VENEREAL DISEASE. Cont'd.

CLINIC ATTENDANCES FOR THE YEAR ENDING 30th JUNE, 1951.

ASIATIC (For Key) (See Page) (56)	A Transferred to Hospital				B New Cases				C Transferred from Hospital & Oth.Clinics				D Undergoing Course II of treatment				E Undergoing Course III of treatment				F Undergoing Course IV of treatment				G Undergoing Course V of treatment				H Total Attendances			
	Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.		Bor.		O/B.	
	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	M	F	M	F	M	F
1																	1	3			4								14	5		
2					1				1				7		5		14				13	2	9						65	2	27	
3	2				1	2			2	2			17	10		1	10	3			1								72	50		3
4																					1				1				2	3		
5					5	7		1	3	9		1		31			1	22				3			2	4			49	204	1	11
6									2				2				4												23			
7					3	3				1			12	2			3	2			1					1			42	13		
8																													12			
9									2																				2	1		
10																																
11																																
12																																
13																														16		1
14																																
15					1																								2	2		
16																																
17					4	11		1	1	7		1																	25	58		7
18					1				2																				11			
TOTAL	2				16	23		2	13	19		2	38	43	5	1	33	30			20	5	9		3	5			319	356	28	22

19. Discharged on Probation. Borough : Male 28 Female 41 O/Borough : Male 1 Female 3

20. Discharged Finally Cured. Borough : Male 4 Female 8 O/Borough : Male 0 Female 1

V.D. CLINIC DEFAULTER INVESTIGATIONS.

	EUROPEAN		NATIVE		COLOURED		ASIATIC	
	M	F	M	F	M	F	M	F
TOTAL DEFAULTERS INVESTIGATED	7	7	329	226	11	50	18	51
UNABLE TO TRACE	2	2	164	135	4	15	2	11
REFUSED TO RETURN	2	2	9	12	5	13	7	4
RETURNED TO CLINIC	3	3	156	79	2	22	9	36
NO OF VISITS	12	9	322	274	14	69	33	58
RETURNED TO CLINIC.								
A. Voluntarily								
1) For treatment.	-	-	1	1	-	-	-	1
2) Because of relapse.	-	-	1	-	-	-	-	-
3) Because of new infection.	-	-	-	-	-	-	-	-
B. At Request of Health Visitor or Native Health Assistant.								
1) Following personal visits	3	3	156	79	2	22	9	36
2) Following letters	-	-	-	-	-	-	-	-
3) Following telephone calls	-	-	-	-	-	-	-	-
4) Traced through Pass Office Records	-	-	1	1	-	-	-	-
5) Following accidental encounter	-	-	-	-	-	-	-	-
C. Supplementary Visits by Health Visitor (in case of Native Health Assistants.								
1) Defaulter Visited.	-	-	-	4	-	-	-	-
2) Employer telephoned	-	-	-	1	-	-	-	-
3) Employer visited	-	-	-	11	-	-	-	-
REASONS FOR DEFAULTING.								
No reason	-	-	104	121	-	12	7	13
Unable to pay transport	-	-	-	-	-	-	-	-
Left City	3	3	9	6	2	1	1	2
Illness	1	-	-	-	-	1	-	4
Hours of work prevent attendance:								
Prefer morning Clinic	-	-	-	3	-	-	1	1
Prefer evening Clinic	-	-	-	-	-	-	-	-
Prefer afternoon Clinic	-	-	-	-	-	-	-	-
Prefer Saturday morning Clinic	-	-	-	-	-	-	-	-
Thought himself cured.	-	-	1	4	-	-	-	1

Races...../

V.D. CLINIC DEFAULTER INVESTIGATIONS. Cont'd.

REASONS FOR DEFAULTING Cont'd.	EUROPEAN		NATIVE		COLOURED		ASIATIC	
	M	F	M	F	M	F	M	F
Races not separated enough at Clinic	-	-	-	-	-	-	-	-
Clinic not private enough	-	-	-	-	-	-	-	-
*Other reasons	1	-	-	41	1	4	-	2

* A.F. - Domestic conditions strained.

N.F. - School child and nobody to bring her to Clinic.

N.F. - Did not want to speak to employer.

EPIDEMIC (V.D.) HOSPITAL RETURN - YEAR ENDING 30th JUNE, 1951.

NATIVES (For Key) (See Page) (56).	A In Hospital last Day of Precdg. Year				B Admitted from Pass Office & Gaol				C Admitted Voluntarily & from V.D. Clinic.				Discharged or Absconded or Died after Treatment of Duration. 0 - 14 Days D				15 - 28 Days E				29 - 42 Days F				43 - 56 Days G				57 + Days. H			
	Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.	
	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	M	F	M	F	M	F
1	1		4	1	2		2		16	3	25	5	18	3	28	5	1		3	1												
2	1	1	5	4	1		1		16	3	31	19	16	4	33	22	2		4	1												
3	1	3	5	11	9	3	8		128	80	334	414	119	81	301	386	18	5	35	25			5	1								
4									1	1	4	4	1	1	4	3								1								
5			1		1				13	8	16	43	13	7	11	38	1	1	6	4												
6											1	1				1																
7									1		20	25	1		19	24			1													
8				1							6	9			5	10																
9	1		1		1		4		37	2	52	24	39	2	57	23				1												
10																																
11									2		3	3	2		3	3																
12											1				1																	
13									1		2		1		2																	
14																																
15		2	1	2	2				22	6	35	17	19	4	25	9	5	3	10	9				1		1						
16																																
17			6	1					20	13	73	103	20	12	69	99		1	8													

No. of Admissions during year:

	Borough Males	Borough Females	O/Borough Males	O/Borough Females
No. of Individuals admitted during year.	265	115	595	665
No. of Individuals discharged, etc. during year.	268	121	609	665

	Borough Males	Borough Females	O/Borough Males	O/Borough Females
No. of Patients suffering from 2 or more Venereal Diseases	16	4	21	15

EPIDEMIC (V.D.) HOSPITAL RETURN - YEAR ENDING 30th JUNE, 1951.

COLOUREDS (For Key) (See Page) (56).	A In Hospital last day of Precdg. Year				B Admitted from Pass Office & Caol.				C Admitted Voluntarily and from V.D. Clinic				Discharged or Absconded or Died after Treatment of Duration: 0 - 14 Days D				15 - 28 Days E				29 42 Days F				43 - 56 Days G				57 + Days H			
	Bor.		O/Bor.		Bor.		O/B.		Bor.		O/B.		Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.	
	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	M	F	M	F	M	F
1									1								1															
2																																
3									1	2	1			2	1		1															
4																																
5									1				1																			
6																																
7																																
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15			1																1													
16																																
17																																

No. of Admissions during year:

	Borough Males	Borough Females	O/Borough Males	O/Borough Females
No. of Individuals admitted during year.	3	2	1	0
No. of Individuals discharged etc. during year.	3	2	2	0

	Borough Males	Borough Females	O/Borough Males	O/Borough Females
No. of Patients Suffering from 2 or more Venereal Diseases:	0	0	0	0

EPIDEMIC (V.D.) HOSPITAL RETURN - YEAR ENDING 30th JUNE, 1951.

ASIATICS (For Key) (See Page) (56)	A In Hospital Last Day of Precdg. Year.				B Admitted from Pass Office & Gaol				C Admitted voluntarily & from V.D. Clinic				Discharged or Absconded or Died after Treatment of Duration: 0 - 14 Days D				15 - 28 Days E				29 - 42 Days F				43 - 56 Days G				57 + Days H			
	Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.		Bor.		O/Bor.	
	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	M	F	M	F	M	F
1									1				1																			
2																																
3									3	2			3	2																		
4																																
5									1				1																			
6	1												1																			
7																																
8																																
9											1				1																	
10																																
11																																
12																																
13																																
14																																
15																																
16																																
17																																

No. of Admissions During Year:

	Borough Males	Borough Females	O/Borough Males	O/Borough Females
No. of Individuals admitted during year.	5	2	1	0
No. of Individuals discharged etc., during year.	6	2	1	0

	Borough Males	Borough Females	O/Borough Males	O/Borough Females
No. of Patients suffering from 2 or more Venereal Diseases :	0	0	0	0

VENEREAL DISEASE. Cont'd.

KEY TO VENEREAL DISEASE CLINIC AND HOSPITAL RETURNS.

1. Seronegative Primary Syphilis.
2) Seropositive Primary Syphilis.
3) Secondary Syphilis
4) Tertiary Syphilis (clinical).
5) Endosyphilis (Serological).
6) Neurosyphilis.
7) Congenital Syphilis under 1 year.
8) Congenital Syphilis over 1 year.
9) Gonorrhoea.
10) Gonococcal Vulvo Vaginitis.
11) Gonococcal Ophthalmia.
12) Ulcus Molle.
13) Lymphopathia Venereum.
14) Granuloma Venereum.
15) Venereal Warts.
16) Phagedaena.
17) Suspected Venereal Disease which proved Non-Venereal.
18) Suffering from 2 or more Venereal Diseases.

DAILY AVERAGE OF IN-PATIENTS AT MUNICIPAL EPIDEMIC HOSPITAL.

(Non-European Venereal Diseases).

MALE : 27 FEMALE : 23 TOTAL : 50.

VENEREAL DISEASE HOME VISITS.

European			Native			Coloured			Asiatic			Total.		
M	:	F	M	:	F	M	:	F	M	:	F	M	: F	:Persons
18	:	22	1,549	:	1,370	50	:	135	80	:	151	1,697	:1,678	: 3,375

VENEREAL DISEASE. Cont'd.

ANTE-NATAL TREATMENT OF SYPHILIS AT V.D. CLINICS.

YEAR ENDING 30th JUNE, 1950.

	STAGE OF PREGNANCY																							
	1 - 3 Months								4 - 6 Months								7 - 9 Months							
	Eur.		Nat.		Col.		As.		Eur.		Nat.		Col.		As.		Eur.		Nat.		Col.		As.	
	B.	O/B.	B.	O/B.	B.	O/B.	B.	O/B.	B.	O/B.	B.	O/B.	B.	O/B.	B.	O/B.	B.	O/B.	B.	O/B.	B.	O/B.	B.	O/B.
No. of Pregnant Women submitted to Serological Test.											3	8							84	124	12		12	
No. of Positive or Doubtful Reactors.								1				1					1		38	48	3		5	1
No. of those who had previously received treatment											1	3					11		12	12	1		5	
No. undergoing a First Course of treatment during pregnancy																			3	4				
No. undergoing a 2nd or 3rd course of treatment during pregnancy												1							2	1			2	

ISOLATION HOSPITAL (EUROPEAN) AND NON-EUROPEAN
INFECTIOUS DISEASES HOSPITAL CASES ADMITTED
JULY 1st.1950 to JUNE 30th. 1951.

	Borough Cases.					Out-of-Borough Cases.					Total Cases Borough & out/ Borough
	E	N	C	A	Total	E	N	C	A	Total	
Scarlet Fever	34	-	-	-	34	15	1	-	-	16	50
Measles	4	7	-	-	11	-	18	-	-	18	29
Diphtheria	27	33	9	12	81	20	107	4	7	138	219
Mumps	73	1	-	-	74	2	1	-	-	3	77
Whooping Cough	5	4	-	-	9	-	12	-	-	12	21
Chicken Pox	17	18	-	-	35	1	3	1	-	5	40
C.S. Fever	-	-	2	-	2	-	7	-	1	8	10
German Measles	1	-	-	-	1	-	-	-	-	-	1
Pulmonary Tuberculosis	1	14	4	12	31	-	15	-	6	21	52
Poliomyelitis	1	-	-	-	1	1	2	-	-	3	4
Smallpox	-	-	-	-	-	-	1	-	-	1	1
Boarder	2	1	-	-	3	-	1	-	-	1	4
TOTAL :	165	78	15	24	282	39	168	5	14	226	508

ISOLATION HOSPITAL AND NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL

The following alterations in diagnosis were made following observation in hospital :-

BOROUGH CASES.

In 1 case (Eur.) diagnosis Scarlet Fever altered to Influenza.
In 1 case (Eur.) diagnosis Scarlet Fever altered to Teething Rash.
In 1 case (Col.) diagnosis Diphtheria altered to Diphtheria contact.
In 11 cases (4 Eur., 3 Nat., 1 Col., 3 As.) diagnosis Diphtheria altered to Tonsillitis.
In 2 cases (Nat.) diagnosis Diphtheria altered to Thrush.
In 1 case (Eur.) diagnosis Diphtheria altered to Influenza.
In 1 case (Eur.) diagnosis Diphtheria altered to Laryngitis.
In 1 case (Nat.) diagnosis Chicken Pox altered to Impetigo.
In 1 case (Nat.) diagnosis Chicken Pox altered to Pemphigus.
In 1 case (Eur.) diagnosis Mumps altered to Cervical Adenitis.
In 1 case (Nat.) diagnosis C.S. Meningitis altered to Pneumococcal Meningitis.
In 1 case (Nat.) diagnosis Measles altered to "Undiag nosed".
In 1 case (Nat.) diagnosis Whooping Cough altered to Bronchitis.
In 1 case (As.) diagnosis Pulmonary Tuberculosis altered to Neoplasm.
In 1 case (As.) diagnosis Pulmonary Tuberculosis altered to Cystic Disease of Lung.

OUT-OF-BOROUGH CASES.

In 1 case (Nat.) diagnosis ? Smallpox altered to Chicken Pox.
In 1 case (Nat.) diagnosis Scarlet Fever altered to Measles.
In 1 case (Nat.) diagnosis Diphtheria altered to Pneumonia.
In 2 cases (Nat.) diagnosis Diphtheria altered to Congenital Syphilis and Broncho Pneumonia.
In 1 case (Nat.) diagnosis Diphtheria altered to Croup.
In 1 case (Nat.) diagnosis Diptheria altered to Stomatitis.
In 1 case (Nat.) diagnosis Diphtheria altered to Thrush.
In 21cases (4 Eur., 16 Nat., 1 Col.) diagnosis Diphtheria altered to Tonsillitis.
In 1 case (Nat.) diagnosis Diphtheria altered to Syphilitic Laryngitis.
In 2 cases (Nat.) diagnosis Diphtheria altered to Foreign Body in Larynx/Bronchus
In 1 case (Nat.) diagnosis Diphtheria altered to Malnutrition.
In 1 case (Eur.) diagnosis Diphtheria altered to Thrombocytopœnic Purpura.
In 2 cases (Nat.) diagnosis Anterior Poliomyelitis altered to "Undiagnosed".
In 1 case (Eur.) diagnosis Anterior Poliomyelitis altered to Hip Disease.
In 2 cases (1 Eur., 1 As.) diagnosis Diphtheria altered to Diphtheria Contact.

...

INFANT WELFARE.

1. INFANT CLINICS.

	European	Native	Coloured	Asiatic.
NEW CASES:				
Under 1 Year	504	324	161	363
Over 1 Year.	33	51	27	64
ATTENDANCES:				
Under 1 Year	6,731	2,944	1,275	3,153
Over 1 Year	940	854	501	1,171
TOTAL :	7,671	3,798	1,776	4,324
Number on Register	972	554	337	618
Average Attendance per person	8.9	6.9	5.3	7.0

2. HOME VISITS.

	European	Native	Coloured	Asiatic	Total
Ante-Natal	14	95	117	202	428
First Visits - (Notified Births)	555	179	164	710	1,608
Re-visits - 1 year	810	1,878	832	1,646	5,166
Re-visits - 1 - 6 years	748	949	2,240	3,379	7,316
Infectious Disease (Non-T.B.)	138	19	22	20	199
Protected Infants	4	26	8	31	69
Pediculosis and Scabies Visits	0	0	0	0	0
Confinement Visits	0	248	0	0	248
Infantile Mortality Visits	11	33	7	30	81
Nursing Home Visits	0	0	0	0	0
Other Home Visits (Housing Investigations, etc.)	15	0	0	0	15
TOTAL :	2,295	3,427	3,390	6,018	15,130

3. MILK DISTRIBUTED.

	European	Native	Coloured	Asiatic	Total
Fresh - Pints	3,810	6,652	4,382	9,391	24,235
Dried - lbs.	0	0	0	0	0

FOODSTUFFS.

SAMPLES TAKEN AND SUBMITTED FOR ANALYSIS.

1. MILK.

(a) Bacteriological Examination.

Samples with less than 30,000 bacteria per c.c.	:	11 (inc. 2 Pasteurised)
" " between 30,000 and 200,000 bacteria per c.c.	:	34 (" 1 ")
" more than 200,000 bacteria per c.c.	:	32
TOTAL	:	77 (inc. 3 Pasteurised)

Samples with B. Coli present in 1/100 c.c. or less:		49
" " " " in 1/10 but not in 1/100 c.c.:		13 (inc. 2 Pasteurised)
" " " absent in 1/10 c.c. or more	:	15 (" 1 ")
TOTAL	:	77

(b) Chemical Examination (By Government Analyst).

Samples with Solids-Not-Fat 8.5% and over	:	7
" " " " " over 8% & under 8.5%	:	4
TOTAL	:	11
Samples with Butter Fat 3% and over	:	11
" " " " under 3%	:	0
TOTAL	:	11

(c) Phosphatase Testing of Pasteurised Milk.

Samples sufficiently heat treated	:	12
" not sufficiently heat treated	:	0
TOTAL	:	12

2. ICE CREAM.

Samples of Ice Cream conforming to standard	:	5
" " " " not conforming to standard	:	0
TOTAL	:	5

3. SAUSAGE.

Samples of Sausage conforming to standard	:	12
" " " not conforming to standard	:	0
TOTAL	:	12

4. MINCE MEAT.

Samples of Mince Meat conforming to standard	:	13
" " " " not conforming to standard	:	1
TOTAL	:	14

5. CREAM. ...../

FOODSTUFFS. Cont'd.

5. CREAM.

Samples of Cream conforming to standard	:	12
" " " not conforming to standard	:	0
TOTAL	:	12

6. WATERS. (Bacteriological examination by Bio-Chemist - City Engineer's Department).

(Results recorded in accordance with method laid down by Ministry of Health, Publication No. 71, 1939).

MUNICIPAL WATER SUPPLY.

Probable No. of Organisms in 100 c.c.	No. of Samples.
0	212
1	17
2	8
3	8
9	1
16	1
18	1
TOTAL :	248

MUNICIPAL SWIMMING BATHS.

Probable No. of Organisms in 100 c.c.	No. of Samples.
0	21

OTHER SWIMMING BATHS.

Probable No. of Organisms in 100 c.c.	No. of Samples.
0	22
16	1
TOTAL:	23

OTHER SAMPLES TAKEN.

Probable No. of Organisms in 100 c.c.	No. of Samples.
0	9
1	1
3	1
5	1
9	1
18	3
TOTAL:	16

FOODSTUFFS CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION.

The following foodstuffs were inspected and condemned in the Municipal Market and in Shops within the Borough:-

Apricots	15 trays
Apple Sauce	1 jar
Apples	3 cases
Anchovies	2 bottles
Almond Paste	1 carton
Barley - Pearl	1 pkt.
Bisto and Brono	22 pkts., 3 tins, 3 cartons
Black berries	2 boxes
Bran Flakes	1 pkt.
Beans - Green	25 pockets, 6 boxes.
Butter	1 lb.
Bacon	2 lbs.
Coffee	3½ lbs., 1 pkt.
Cocoa	½ lb. tin
Cod Liver Oil	1 bottle.
Chicken	37 tins
Cafe au Lait	4 tins
Curry Powder	7 Pkts.
Cheese	½ lb. pkt.
Chow-Chow	3 bottles
Cucumbers	16 pockets
Dinner, boiled	1 tin
Ducks, dressed	22
Dessert Powder	26 pkts.
Eggs	7 11/12 doz.
Egg Powder	1 bottle.
Fowls, dressed	115
Fish Paste	-3 jars, 8 tins.
Flour - self-raising	1 pkt.
Fish (fresh)	575 lbs.
Fruit (tinned)	575 tins.
Fruit (dried)	35 lbs.
Gravies	1 pkt., 1 tin.
Gingerbread mix	1 pkt.
Gingerbeer Powder	74 pkts.
Ginger (ground)	2 pkts.
Ginger (whole)	2 pkts.
Ham	5 lbs.
Infant Foods	11 tins.
Instant Postum	9 tins
Jam	101 tins
Luncheon Pie	3 tins
Lime Juice	4 bottles
Lemons	2 pockets.
Malt	4 bottles
Mayonnaise	17 bottles
Medicines	2 bottles
Milk condensed	38 tins
Milk, malted	3 bottles
Mabela Meal	1 pkt.
Mealie Meal	63 lbs.
Maltabella	9 tins
Milo	1 tin
Meat (tinned)	145 tins
Meat (fresh)	2 lbs., 24 shanks, 15 sets pigs trotters and tongues.
Matzohs	34 pkts.
Mustard	12 bottles, 1 tin.
Marshmallows	14 lbs.
Nutmeg	1 carton.
Orange and Honey	16 bottles

Orange Preserve ..... /

FOODSTUFFS CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION. Cont'd.

Orange Preserve	17 tins
Oatmeal	8 pkts.
Oats	10 pkts.
Pears	4 cases
Peas	10 boxes, 117 pockets.
Peaches	122 trays
Potatoes	3 bags
Pineapples	5
Pickles	128 bottles
Pea Nut Butter	12 bottles
Pumpkins	15 pockets
Pancake mix	11 pkts.
Piecrust, mix	2 pkts.
Plums	381 trays, 110 half-lugs.
Pate-de-foi	52 tins
Rusks	15 pkts.
Soups	2 tins
Sauce	3 bottles
Sweet Potatoes	3 bags
Sandwich spread	8 bottles
Sage stuffing	3 pkts.
Soy Flour	14 pkts.
Tomatoes	69 boxes.
Tomango	1 bottle.
Tomato Sauce	1 bottle
Tomatoe Puree	1 tin
Turkeys	1
Unlabelled Packages	23 tins
Vermicelli	2 pkts.
Vitamite	99 jars
Vegetable and Liver	3 tins
Vegetables (canned inc. soups)	227 tins
Vitone	1 tin
Wheat	6 pkts.
Weetbix	14 pkts.
Waffle mix	5 pkts.

ABATTOIR.

1. ANIMALS SLAUGHTERED:

Cattle	:	8,364
Calves	:	3,113
Sheep	:	5,433
Pigs	:	6,445
Goats	:	362
TOTAL	:	23,717

2. ANIMALS EXAMINED AFTER SLAUGHTER IN OTHER ABATTOIRS:

Quarters of Beef	:	20,040
Carcases Mutton	:	7,158
Carcases Pork	:	-
Carcases Veal	:	-
Carcases Goat	:	-

3. INCIDENCE OF CERTAIN DISEASES:

	Carcases Examined	% Infected	Carcases Condemned	% Condemned
CATTLE - "Measles" (Cysticercus Bovis)	8,364	8.72%	102	1.21%
CALVES - "Measles" (Cysticercus Bovis)	3,113	5.30%	40	1.28%
PIGS - "Measles" (Cysticercus Cellulosae	6,445	2.17%	109	1.69%
CATTLE - Tuberculosis	8,364	1.00%	32	0.38%
CALVES - Tuberculosis	3,113	-	-	-
PIGS - Tuberculosis	6,445	1.9%	4	0.06%

4. SUMMARY OF MEAT CONDEMNED.

	Carcases	Approx. Weight
BEEF.	199	89,915 lbs.
BEEF: Portions of Carcases, Organs, etc.	-	95,460 lbs.
VEAL:	111	4,745 lbs.
VEAL: Portions of Carcases, Organs, etc.	-	900 lbs.
PORK:	146	18,005 lbs.
PORK: Organs, etc.	-	7,500 lbs.
MUTTON:	23	500 lbs.
MUTTON: Organs, etc.	-	7,655 lbs.
GOAT:	2	60 lbs.
		224,740 lbs.

ABATTOIR. Cont'd.

MEAT CONDEMNED (Approximate Weight).

Statement of Carcases and Meat found to be affected with disease and unfit for human consumption : 1.7.50 - 30.6.51.

	BOVINES Condemned.			PIGS Condemned.			SHEEP AND GOATS. Condemned.		
	Carcases Infected	Whole Carcases	Portions of Carcases Approx. Weight lbs.	Carcases Infected	Whole Carcases.	Portions of Carcases Approx. Weight lbs.	Carcases Infected	Whole Carcases	Portions of Carcases Approx. Weight lbs.
Actinomycosis	46	-	2,060	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-	-
Measles (Veal)	165	40	700	-	-	-	-	-	-
" (Beef)	730	102	68,860	135	109	100	-	-	-
Lumpy Skin Disease (Beef)	-	-	-	-	-	-	-	-	-
Lumpy Skin Disease (Veal)	-	-	-	-	-	-	-	-	-
Lymphadenitis	-	-	-	-	-	-	1	1	-
Malignant Tumours	9	9	-	-	-	-	-	-	-
Mammitis	1	1	-	-	-	-	-	-	-
Metritis	-	-	-	-	-	-	-	-	-
Pericarditis	-	-	-	-	-	-	-	-	-
Pneumonia - Veal	2	2	-	-	-	-	-	-	-
" - Beef	2	2	-	3	3	-	1	1	-
Pyaemia - - Veal	10	10	-	-	-	-	-	-	-
" - Beef	3	3	-	5	5	-	-	-	-
Sarcocysts	1	1	-	4	4	-	-	-	-
Septicaemia	8	8	-	3	3	-	-	-	-
" - Veal	-	-	-	-	-	-	-	-	-
Tuberculosis	84	32	1,670	123	4	1650	-	-	-
Nephritis - Veal	1	1	-	-	-	-	-	-	-
" - Beef	-	-	-	1	1	-	-	-	-
Anaemia - Veal	1	1	-	-	-	-	-	-	-
Bruising	9	9	4,760	10	10	-	-	-	-
Decomposition	-	-	2,345	-	-	-	-	-	-
Oedema - Veal	12	12	-	-	-	-	-	-	-
" - Beef	2	2	-	1	1	-	-	-	-
Fevered - Veal	1	1	-	-	-	-	-	-	-
" - Beef	2	2	-	4	4	-	1	1	-
Toxaemia	1	1	-	-	-	-	-	-	-
Emaciation- Veal	23	23	-	-	-	-	-	-	-
" - Beef	27	27	-	1	1	-	22	22	-
Immaturity- Veal	12	12	-	-	-	-	-	-	-
Jaundice - Veal	9	9	-	-	-	-	-		
" - Beef	-	-	-	1	1	-	-	-	-
Stilesia Hepatica,) Fluke, Abscesses,) Nodular Worms,etc.)	-	-	-	-	-	-	-	-	-
- Beef	-	-	15,870	-	-	5,750	-	-	7,654
- Veal	-	-	200	-	-	-	-	-	-

LICENCE APPLICATIONS.

(1) Applications dealt with under Licences (Control) and Municipal Licences Ord. No. 19 of 1942 and the Borough By-Laws.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Applications Received	9	126	20	42	9	62	255	42	53	202	197	62	15	6	3
Applications Approved	9	121	18	33	9	54	219	36	50	188	191	58	10	4	2
Applications Subject to Requirements	-	5	2	7	-	5	34	6	3	10	2	3	4	2	-
Applications Withdrawn	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-
Applications Refused	-	-	-	2	-	2	1	-	-	3	4	1	1	-	1

Key to Table:-

1. Apothecary.
2. Boarding Houses and Butchers
3. Cobbler.
4. Depot and Dressmaker
5. Entertainment
6. Fresh Produce Dealer
7. Genereal Dealer and Garages.
8. Hairdresser and Hawker
9. Laundries and Letting of Flats.
10. Manufacturers and Mineral Water Dealer and Milk Purveyor.
11. Pedlar
12. Refreshment Room.
13. Speculator.
14. Theatres, Tailors.
15. Workshops.

(2) Applications dealt with under Urban Areas Act.

Applications Received	62
Applications Returned "Not in Order"	2
Applications Appproved Subject to Conditions	12
Applications Approved for Temporary Licence	48

SANITATION.

Total of Inspections (General) carried out	12,242.
Total of Rodent Inspections	1,403.
Total of Notices and Letters served re Contravention of By-Laws	2,024.

INSPECTIONS (GENERAL) GIVEN IN DETAIL 1.7.50 to 30.6.51.

1. Public Markets	306
2. Butchers' Shops	118
3. Dealers and General Dealers (Food)	549
4. Dealers and General Dealers (No Food)	138
5. Fish and Poultry Shops	40
6. Food Sampling	93
7. Bakehouses	132
8. Milkshops (Purveyors of Milk)	120
9. Ice Cream (Purveyors and Manufacturers of)	67
10. Tea Shops, Cafes, Restaurants and Eating Houses	455
11. Residential Hotels, Boarding Houses	236
12. Aerated Water Manufacturers	2
13. Other places where food is manufactured	8
14. Hawker's Premises	146
15. Hawker's Carts	15
16. Butchers' Carts and Carriers	7
17. Milk Delivery Carts	1
18. Bakers' Carts	1
19. Ice Cream Carts	3
20. Theatres and Bioscopes	21
21. Common Lodging Houses	19
22. Barracks	247
23. Structural Defects in Premises	735
24. Other House Inspections	410
25. Undrained Premises	76
26. Hairdressers	38
27. Laundries	104.
28. Factories and Workshops	92
29. Courts, Lanes and Alleys	17
C/Forward	4,196

SANITATION. Cont'd.

B/Forward	4,196
30. Vacant Ground	142
31. Piggeries	8
32. Horse Stables	113
33. Cowkeepers Premises	191
34. Dairy Stables and Dairies	918
35. Hide and Skin Merchant's Premises	21
36. Poultry Keepers	262
37. Infectious Diseases Visits	105
38. Malaria and Mosquito Inspections, etc.	438
39. Malaria Permanent Works	122
40. Public Sanitary Conveniences	292
41. Refuse and Refuse Bins	245
42. Refuse Tips	56
43. Septic Tanks, French Drains, etc.	38
44. Pail Privies	125
45. Pit Privies	13
46. Other Visits	886
47. Premises Fumigated for Vermin	-
48. Other Visits in Connection with Fumigation	2
49. Disinfections	5
50. Disinfection of Bedding and Clothing	151
51. Rodent Inspections by Rodent Inspector	1,362
52. Other Rodent Inspections by Health Inspectors	41
	9,732

REPORTS FOR TRANSMISSION TO OTHER MUNICIPAL DEPARTMENTS.

(1) CITY ENGINEER'S DEPARTMENT.

53. Blocked Sewers, etc.	52	
54. Street Drains	63	
55. Defective Water Fittings	45	
56. Other Defects	48	
57. Unauthorised Structures	92	
58. Sites, etc. re Plans	783	
59. Water Sampling	301	
		1,384
C/Forward		11,116

SANITATION. Cont'd.

B/Forward	11,116
(2) MUNICIPAL NATIVE ADMINISTRATION DEPARTMENT.	
60. Licensing and Other Inspections of Premises under Urban Areas Act	153
(3) LICENSING DEPARTMENT.	
61. Inspection of Premises re Licence Applications...	755
(4) GENERAL.	
62. Other transportation trips	220
TOTAL:	12,244

PROSECUTIONS : 1950 - 1951.

Total number of Prosecutions instituted :		31
Under Public Health Act	1	
Under Public Health By-Laws.....	6	
Under Dairy By-Laws	18	
Under V.D. Hospital Regulations..	3	
Under Food, Drugs and Disinfectants Act	1	
Under Government Regulations Regarding the Prevention of Rodent Infestation, etc.	2	
TOTAL :	31	

Total number in which accused found guilty and penalty imposed	24
Total number found not guilty, complied with, acquitted or Prosecutor declined to Prosecute	6
No. still pending	1
TOTAL :	31

CONDEMNED PREMISES.

Rooms and Buildings Condemned and/or Demolished.

(a) Under Public Health By-Law No.19(a) : (Closing Order)	0
(b) Under Public Health By-Law No.19(b) : (Demolition Orders) ..... (4 Of these premises had been demolished and 2 converted to open sheds by 30.6.51).	14
(c) Under Slums Act	0
(d) Voluntary Demolitions	17
TOTAL :	31