CITY OF PIETERMARITZBURG

ANNUAL REPORT

OF THE

Medical Officer of Health

For the Twelve Months
1st July 1952, to 30th June, 1953

N.W. LTD 17938

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, 1953.

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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, 1953.

There was a sharp increase in the incidence of Infectious Disease this year, mainly the result of an epidemic outbreak of Typhoid Fever involving 75 cases, arising from the infection of a raw milk supply to the City. Diphtheria also showed an increase in its incidence with 2 deaths occurring in non-immunised children. The number of children immunised each year is still well below the minimum 70% required before a drop in the incidence of this disease can be expected. The approximate figures are Europeans 30%, Natives 20%, Coloureds 40% and Asiatics 50%.

While there has again been an increase in the notification of cases of Tuberculosis, largely due to intensive case-finding work by this Department, there has been a considerable drop in the number of deaths from this disease. It is considered that the modern treatment of Tuberculosis by Streptomycin and Isonicotinic Acid Hydrazide has played a big part in producing this result.

Unfortunately, very little progress can be recorded in the urgent problem of housing in the City.

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

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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
		Av. Daily Maximum °	Av. Daily Minimum °	Av. Daily Mean. °	Average Daily Percentage
1952					
July	0.26	70.6	42.4	56.5	82.4%
August	1.41	74.9	45.9	60.4	76.8%
September	0.79	75.6	49.8	62.7	70.8%
October	1.91	82.8	57.6	70.2	67.9%
November	2.82	78.7	59.4	69.0	75.5%
December	5.91	79.7	61.2	70.4	80.2%
1953					
January	6.10	84.1	63.7	73.9	79.0%
February	5.73	80.7	63.6	72.1	86.1%
March	3.55	79.6	60.3	69.9	83.6%
April	1.52	78.6	54.4	66.5	80.1%
May	0.06	77.2	44.9	61.0	80.7%
June	0.44	72.0	35.2	53.6	80.7%
Total :	30.50				

AREA OF MUNICIPALITY : 31,461.02183 acres

Value of Rateable Property : £19,840,495. 0. 0d.

Exempted Property : £ 7,673,480. 0. 0d.

RATES: General - Land - 4½d in £
Buildings - 3½d in £

Water - ½d per £

CITY OF PIETERMARITZBURG

LEADING VITAL STATISTICS

YEAR ENDING 30th JUNE, 1953.

(Average Rate for period 1944 - 1953 in brackets for comparison).

	European	Native	Coloured	Asiatic
* POPULATION (Estimated)	31,830	21,372	3,642	18,887
BIRTHS REGISTERED BIRTH RATE (Per 1,000 Population)	702 22.1 (24.4)	248 11.6 (20.4)	187 51.3 (53.0)	639 33.8 (56.3)
ILLEGITIMATE BIRTHS (Percentage of total births)	4 0.6% (1.4%)	92 37% (50.1%)	42 22% (22.3%)	11 1.7% (1.5%)
DEATHS CRUDE DEATH RATE (Corrected for outward transfer)	280 8.8 (10.1)	226 10.6 (13.7)	52 14.3 (17.5)	124 6.6 (12.0)
INFANTILE MORTALITY (Up to 1 Year) DEATHS RATE (Per 1,000 Births)	19 27.1 (25.6)	81 326.6 (207.4)	15 80.2 (85.6)	22 34.4 (48.5)
DEATHS in children from 1 - 4 years (incl.) RATE (Per 1,000 Population)	6 0.19 (0.24)	35 1.6 (2.0)	4 1.1 (2.0)	13 0.7 (1.2)
PULMONARY TUBERCULOSIS Code No. 015. DEATHS RATE (Per 1,000 Population)	3 0.09 (0.23)	11 0.5 (1.6)	5 1.4 (1.7)	3 0.7 (1.1)
TUBERCULOSIS - OTHER FORMS Code Nos. 016 - 025. DEATHS RATE (Per 1,000 Population)	0 0 (0.02)	7 0.3 (0.4)	1 0.3 (0.49)	1 0.05 (0.3)
ENTERIC FEVER Code No. 001. DEATHS RATE (Per 1,000 Population)	1 0.03 (0.02)	1 0.05 (0.2)	0 0 (0.14)	0 0 (0.2)
CANCER AND OTHER TUMORS Code Nos. 100 - 136. DEATHS RATE (Per 1,000 Population)	45 1.4 (1.4)	5 0.2 (0.2)	2 0.6 (0.8)	10 0.5 (0.4)
DISEASES OF THE HEART AND CIRCULATORY SYSTEM Code Nos. 350 - 368. DEATHS RATE (Per 1,000 Population)	104 3.3 (3.7)	24 1.1 (1.4)	12 3.3 (3.6)	27 1.4 (1.9)
BRONCHITIS AND PNEUMONIA Code Nos. 402 - 406. DEATHS RATE (Per 1,000 Population)	19 0.6 (0.6)	27 1.3 (2.3)	5 1.4 (1.9)	11 0.6 (1.3)

* (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, 1953, 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	15,270	14,020	1,765	9,752	25,537	40,807
Female	16,560	7,352	1,877	9,135	18,364	34,924
PERSONS	31,830	21,372	3,642	18,887	43,901	75,731

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	344	1	354	3	698	4	702	0.6%	22.1
Native	69	39	87	53	156	92	248	37%	11.60
Coloured	74	24	71	18	145	42	187	22%	51.35
Asiatic	318	7	310	4	628	11	639	1.7%	33.8
All Non-Eur.	461	70	468	75	929	145	1,074	13.5%	24.5
All Races	805	71	822	78	1,627	149	1,776	8.4%	23.4

2) NON-RESIDENTS

	Male		Female		Persons			Percentage of Illegitimate to All Births
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total	
European	143	-	126	-	269	-	269	-
Native	1,116	698	1,135	589	2,251	1,287	3,538	36.3%
Coloured	9	5	11	14	20	19	39	49%
Asiatic	11	2	27	1	38	3	41	7.3%
All Non-Eur.	1,136	705	1,173	604	2,309	1,309	3,618	36%
All Races	1,279	705	1,299	604	2,578	1,309	3,887	33.7%

The European Birth Rate remained more or less unchanged, the Coloured Rate showed a small increase, and the Asiatic and Native rates showed a marked decrease.

The European Birth Rate decreased from 22.4 to 22.1. The Native Birth Rate dropped from 16.2 to 11.6. The Coloured Birth Rate rose from 47.4 to 51.4, and the Indian Birth Rate dropped from 41.4 to 33.8.

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)
ropean	154	10.1	126	7.6	280	8.8
tive	142	10.1	84	11.4	226	10.6
loured	29	16.4	23	12.3	52	14.3
iatic	75	7.7	49	5.4	124	6.6
L NON-EUR.	246	9.6	156	8.5	402	9.2
L RACES	400	9.8	282	8.1	682	9.0

(2) NON-RESIDENT

European	:	97
Native	:	726
Coloured	:	8
Asiatic	:	36
All Non-Eur.	:	770
All Races	:	867

DEATHS (Pages 5-7)

The European crude death rate was 8.8 as compared with 8.5 last year. 57% of the deaths occurred in persons over 65 years of age.

The Native death rate dropped from 12.5 to 10.6. The Coloured death rate rose from 9.0 to 14.3, and the Indian death rate dropped from 8.4 to 6.6. The death rate for all races was 9.0 as compared with 9.6 last year.

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

European	:	17%	(12% last year)
Native	:	77%	(73% last year)
Coloured	:	52%	(61% last year)
Asiatic	:	50%	(61% last year)
All Non-European	:	65%	(68% 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 also indicates that Cardiac and Circulatory disease far outweighs all other causes of death among Europeans. Among Non-Europeans, respiratory disease, 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	1	0.03	1	0.05	-	-	-	-	1	0.02	2	0.03
2. Plague	-	-	-	-	-	-	-	-	-	-	-	-
3. Meningococcal C.S. Meningitis	-	-	1	0.05	-	-	-	-	1	0.02	1	0.01
4. Scarlet Fever	-	-	-	-	-	-	-	-	-	-	-	-
5. Whooping Cough	-	-	-	-	-	-	-	-	-	-	-	-
6. Diphtheria	2	0.06	-	-	-	-	-	-	-	-	2	0.03
7. Pulmonary Tuberculosis	3	0.09	11	0.52	5	1.37	3	0.16	19	0.43	22	0.29
8. T.B. - Non-Pulmonary	-	-	7	0.33	1	0.28	1	0.05	9	0.21	9	0.12
9. Leprosy	-	-	-	-	-	-	-	-	-	-	-	-
0. Malaria	-	-	-	-	-	-	-	-	-	-	-	-
1. Syphilis (all forms)	3	0.09	8	0.38	1	0.28	-	-	9	0.21	12	0.16
2. Influenza	-	-	-	-	-	-	2	0.11	2	0.05	2	0.03
3. Smallpox	-	-	-	-	-	-	-	-	-	-	-	-
4. Measles	1	0.03	1	0.05	-	-	-	-	1	0.02	2	0.03
5. Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-
6. Cancer	45	1.41	5	0.23	2	0.56	10	0.53	17	0.39	62	0.82
7. Diabetes	-	-	-	-	1	0.28	3	0.16	4	0.09	4	0.05
8. Cerebral Haem. etc.	26	0.82	2	0.09	3	0.82	8	0.42	13	0.30	39	0.52
9. Cardiac Disease	92	2.89	23	1.08	11	3.02	21	1.11	55	1.25	147	1.94
0. Other Dis. of Circulatory System	12	0.38	1	0.05	1	0.28	6	0.32	8	0.18	20	0.26
1. Bronchitis and Pneumonia	19	0.60	27	1.26	5	1.37	11	0.58	43	0.98	62	0.82
2. Miner's Phthisis without T.B.	-	-	-	-	-	-	-	-	-	-	-	-
3. Miner's Phthisis with T.B.	-	-	-	-	-	-	-	-	-	-	-	-
4. Other Respiratory Diseases	9	0.28	3	0.14	2	0.56	3	0.16	8	0.18	17	0.22
5. Ulcer of Stomach and Duodenum	3	0.09	1	0.05	-	-	2	0.11	3	0.07	6	0.08
6. Diarrhoea and Enteritis (Under 2 years)	5	0.16	41	1.92	4	1.10	7	0.37	52	1.18	57	0.75
7. Appendicitis	-	-	-	-	-	-	-	-	-	-	-	-
8. Diseases of Liver and Biliary Passage	3	0.09	1	0.05	-	-	1	0.05	2	0.05	5	0.07
9. Nephritis	2	0.06	4	0.19	-	-	5	0.27	9	0.21	11	0.15
0. Puerperal Sepsis	-	-	-	-	-	-	-	-	-	-	-	-
1. Diseases of Pregnancy, etc.	-	-	2	0.09	-	-	2	0.11	4	0.09	4	0.05
2. Congenital malformations and Diseases of Early Infancy	12	0.38	18	0.84	7	1.92	11	0.58	36	0.82	48	0.63
3. Suicide	2	0.06	1	0.05	-	-	1	0.05	2	0.05	4	0.05
4. Other Violent Deaths	12	0.38	15	0.70	3	0.82	8	0.42	26	0.59	38	0.50
5. Other Defined Causes	27	0.85	42	1.97	5	1.37	19	1.01	66	1.50	93	1.23
6. Causes ill-defined	1	0.03	11	0.52	1	0.28	-	-	12	0.27	13	0.17
TOTAL :	280	8.80	226	10.58	52	14.28	124	6.57	402	9.16	682	9.01

One corpse found : race, age and sex not determined.

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
ly, 1952	13	12	25	16	8	24	2	2	4	12	3	15	30	13	43
gust	14	10	24	10	5	15	3	3	6	4	7	11	17	15	32
ptember	21	11	32	13	10	23	3	1	4	5	3	8	21	14	35
tober	10	9	19	5	6	11	3	2	5	3	2	5	11	10	21
vember	9	7	16	17	9	26	4	1	5	11	3	14	32	13	45
cember	16	13	29	19	9	28	1	3	4	5	2	7	25	14	39
nuary	11	15	26	17	7	24	3	2	5	2	2	4	22	11	33
bruary	12	11	23	9	6	15	2	2	4	10	6	16	21	14	35
rch	8	15	23	11	7	18	4	1	5	3	2	5	18	10	28*
ril	10	10	20	10	6	16	2	3	5	7	7	14	19	16	35
y	12	6	18	8	7	15	1	3	4	3	6	9	12	16	28
ne, 1953	18	7	25	7	4	11	1	0	1	10	6	16	18	10	28
TAL :	154	126	280	142	84	226	29	23	52	75	49	124	246	156	402

* 1 Undetermined race, age and sex.

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
nder 1 yr.	9	10	19	39	42	81	6	9	15	14	8	22	59	59	118
- 2 yrs.	1	2	3	19	10	29	2	0	2	3	4	7	24	14	38
- 4 yrs.	1	2	3	5	1	6	1	1	2	3	3	6	9	5	14
- 14 yrs.	1	3	4	5	3	8	1	0	1	3	3	6	9	6	15
- 24 yrs.	1	1	2	6	5	11	1	0	1	2	4	6	9	9	18
- 34 yrs.	2	2	4	14	4	18	1	2	3	3	8	11	18	14	32
- 44 yrs.	4	8	12	16	4	20	1	2	3	1	3	4	18	9	27
- 54 yrs.	16	7	23	18	8	26	4	4	8	6	5	11	28	17	45
- 64 yrs.	36	14	50	11	3	14	8	1	9	12	4	16	31	8	39
- 74 yrs.	41	27	68	7	2	9	1	1	2	15	6	21	23	9	32
and Over	42	50	92	2	2	4	3	3	6	13	1	14	18	6	24
TAL :	154	126	280	142	84	226	29	23	52	75	49	124	246	156	402

* 1 Undetermined race, age and sex.

(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	1 : 0.4%	2 : 0.9%	0 : 0	0 : 0
Tuberculosis (all forms)	3 : 1.1%	18 : 8.0%	6 : 11.5%	4 : 3.2%
Syphilis	3 : 1.1%	8 : 3.5%	1 : 1.9%	0 : 0
Other Parasitic and Infectious Diseases	3 : 1.1%	4 : 1.7%	1 : 1.9%	3 : 2.4%
Cancer	45 : 16.1%	5 : 2.2%	2 : 3.8%	10 : 8.1%
Diabetes	0 : 0	0 : 0	1 : 1.9%	3 : 2.4%
Cerebral Haemorrhage Thrombosis and Embolism	26 : 9.3%	2 : 0.9%	3 : 5.8%	8 : 6.4%
Cardiac Diseases and Other Diseases of Circulatory System	104 : 37.1%	24 : 10.6%	12 : 23.1%	27 : 21.8%
Respiratory Diseases (Non-Tuberculous)	28 : 10%	30 : 13.3%	7 : 13.5%	14 : 11.3%
Enteritis and Diarrhoea (Under 2 years)	5 : 1.8%	41 : 18.1%	4 : 7.7%	7 : 5.6%
Other Diseases of Digestive System	11 : 3.9%	5 : 2.2%	1 : 1.9%	4 : 3.2%
Nephritis	2 : 0.7%	4 : 1.7%	0 : 0	5 : 4.0%
Congenital Malformations	3 : 1.1%	0 : 0	0 : 0	2 : 1.6%
Diseases Peculiar to First Year of Life	9 : 3.2%	18 : 8.0%	7 : 13.5%	9 : 7.3%
Senility	6 : 2.1%	2 : 0.9%	1 : 1.9%	7 : 5.6%
Deaths from Violence	14 : 5%	16 : 7.1%	3 : 5.8%	9 : 7.3%
Other Causes	6.0%	20.9%	5.8%	9.8%
TOTAL DEATHS :	280 :	226 :	52 :	124 :

One corpse found : race, age and sex not determined.

TOTAL NOTIFICATIONS OF INFECTIOUS DISEASES : (INCIDENCE PER 1,000 POPULATION IN BRACKETS).

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	78 (2.5)	13 (0.6)	2 (0.55)	6 (0.3)	21 (0.5)	99 (1.3)
Pulmonary Tuberculosis	18 (0.6)	65 (3.0)	21 (5.8)	46 (2.4)	132 (3.0)	150 (2.0)
Tuberculosis - Other Forms	1 (0.03)	6 (0.3)	0	4 (0.2)	10 (0.2)	11 (0.1)
Scarlet Fever	29 (0.9)	0	0	0	0	29 (0.4)
Erysipelas	3 (0.09)	0	0	0	0	3 (0.04)
Puerperal Sepsis	0	0	0	0	0	0
Diphtheria	16*(0.5)	5°(0.2)	1 (0.3)	4 (0.2)	10 (0.2)	26 (0.3)
Cerebrospinal Fever (Meningococcal Meningitis)	0	1 (0.05)	1 (0.3)	1 (0.05)	3 (0.07)	3 (0.04)
Anterior Poliomyelitis (Paralytic)	2 (0.06)	0	0	0	0	2 (0.03)
Anterior Poliomyelitis (Non-Paralytic)	0	0	0	0	0	0
Post Vaccinal Encephalitis	1 (0.03)	0	0	0	0	1 (0.01)
Leprosy	0	0	1 (0.3)	0	1 (0.02)	1 (0.01)
Gonococcal Conjunctivitis	0	1 (0.05)	0	0	1 (0.02)	1 (0.01)
Ophthalmia Neonatorum	0	0	0	1 (0.05)	1 (0.02)	1 (0.01)
TOTAL :	148 (4.7)	91 (4.3)	26 (7.1)	62 (3.3)	179 (4.1)	327 (4.3)

* Includes 3 Diphtheria "Carriers".

° Includes 1 Diphtheria "Carrier".

= Recurrence.

(2) INFECTIOUS DISEASE

There were 327 notifications of infectious disease, a 36% increase on the total of 240 recorded last year, mainly due to an epidemic of Typhoid Fever. (See page 8).

ISOLATION HOSPITAL (EUROPEAN INFECTIOUS DISEASE) (Page 59).

Altogether 173 patients were admitted during the year, 147 Borough and 26 Out-of-Borough. Figures for previous years were :-

1951-1952 : 222; 1950-1951 : 204; 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.

Cases of Tuberculosis, Puerperal Sepsis and Typhoid Fever, are provided for usually at Grey's Hospital - the Provincial General Hospital - and King George V-Springfield and Wentworth Hospitals for Tuberculosis in Durban. During the emergency of the Typhoid epidemic this year, cases were also admitted to the Isolation Hospital. 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, and then transferred to the General Hospital or direct to the Uplands Orthopaedic Home, for further treatment.

NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL. (Page 59).

Admissions totalled 237, 96 Borough and 141 Out-of-Borough cases. Admissions since the opening of this hospital have been as follows:-

1951-1952 : 223; 1950-1951 : 304; 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 which has been submitted to Pretoria, and approved in principle as far back as 1950, is still the subject of negotiation with the Union Department of Health, and is still awaiting approval in detail, a classic example of "fiddling while Rome burns".

1) The proposed new Non-European V.D. Hospital which was 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, has been further reduced to a total of 40 beds.

2) The Formidable Epidemic Diseases Hospital has been disapproved and the Union Health Department has agreed that European cases of Formidable Epidemic Disease 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 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 ...../

1) Total number of cases removed : 5,251
2) Infectious cases removed : 637

LABORATORY WORK.

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

Swabs for Diphtheria Bacilli	221
Swabs for Haemolytic Streptococci	99
Smears and swabs for Gonococcus, organisms, etc.	7
Cerebro-Spinal Fluids	19
Blood (Sugar and other examinations)	12
Blood (Counts, Smears)	16
Cough Plates	1
Stools (Parasites, etc.)	23
Urines (Chemical, microscopic, etc.)	32
Blood (Widal/Vi)	14
Milk - for Bacterial Count	173
Milk - Phosphatase Tests	72
Milk Bottles - Bacterial Count	3
Blood (Culture - E. Typhosus)	1
Stool and Urine Culture - E. Typhosus	30
TOTAL:	723

Work done in Departmental Laboratory:-

Mosquito larvae examined : 3,513
Snails identified : 1,178

NOTIFIABLE INFECTIOUS DISEASE.

(a) ANTHRAX. No cases notified.

(b) SMALLPOX. No cases were reported this year.

VACCINATION.

Vaccination at the Municipal Pass Office is carried out on every unvaccinated or inadequately vaccinated registrant at the Pass Office. (See page 25).

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 (under 3)	354
Successful Vaccinations (over 3)	2
Insusceptible to Vaccination (under 3)	29
Exempted from Vaccination	0

The number of vaccinations carried out by this Department at its Clinics during this period was 864 (Eur. 263, Nat. 159, Col. 140, As. 302).

(c) DIPHTHERIA. The total number of cases notified was 26, as compared with 14 for last year, and 2 Europeans died from this disease. Both of these deaths occurred in non-immunised children.

The immunisation history in 11 definite cases (confirmed by Virulence tests) admitted to our hospitals was as follows:-

Immunised	Non-Immunised
Total cases : Nil.	Total cases : 11 (1 Eur., 10 Non-Eur.)
Deaths : Nil.	Deaths : 4 (All Non-Eur.)

In 5 cases Cultures proved to be C.Diphtheria Mitis. C.Diphtheria Gravis was not found in any cultures reported on.

717 Immunisation courses against Diphtheria were completed at the Infant Clinic Sessions this year (Eur. 221, Nat. 53, Col. 74, Asiatics 369).

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

Race	Pre-Inoculation Schick Tests	No. Positive	Post-Inoculation Schick Tests	No. Positive
European	1	-	56	5 (9%)
Native	3	-	81	-(4 doubtful)
Coloured	-	-	-	- -
Asiatic	-	-	-	- -

The following table gives the Total Births, the Notifications and Deaths from Diphtheria, and the Number of Children Immunised by the Public Health Department since 1937 :-

DIPHTHERIA.

YEAR	EUROPEANS				NATIVES				COLOUREDS				ASIATICS			
	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths
7-38	352	-	25	1	187	-	2	1	75	-	-	-	238	-	2	-
8-39	405	-	32	2	232	-	5	-	82	-	2	1	198	-	2	-
9-40	403	18	41	3	199	-	2	-	86	-	2	1	149	-	5	-
0-41	428	140	18	-	209	-	1	-	73	155	2	-	398	-	8	1
1-42	515	191	25	1	217	-	4	-	114	23	-	-	425	56	2	1
2-43	454	412	31	1	239	-	5	-	94	2	2	-	500	36	1	-
3-44	550	447	53	1	274	33	16	2	104	16	3	-	526	-	4	1
4-45	526	315	33	3	262	125	26	-	116	2	2	-	581	6	6	-
5-46	587	225	36	-	189	91	9	1	103	66	5	2	558	46	10	1
6-47	697	275	14	-	315	81	13	2	149	192	-	-	711	138	13	2
7-48	704	275	10	1	303	118	4	1	133	120	5	2	704	261	14	2
8-49	703	672	43	4	279	134	7	2	116	125	2	1	670	393	10	3
9-50	669	520	21	4	263	102	34	6	109	106	6	1	669	391	5	-
0-51	636	272	13	-	272	88	41	3	165	140	7	1	840	366	8	1
1-52	682	262	12	1	326	67	2	1	163	152	2	-	717	435	-	-
2-53	702	221	16	2	248	53	5	-	187	74	1	-	639	369	4	-

No figures are available of the number of persons immunised by private practitioners, but it is believed that a considerable number of European children are now being immunised by private practitioners.

(d) SCARLET FEVER ...../

(d) SCARLET FEVER.

29 Cases were notified as compared with 24 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 generally confirm 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.

3 Cases were notified during the year, as compared with 5 last year.

(f) ANTERIOR POLIOMYELITIS.

2 Cases only were notified this year, both Paralytic.

(g) ENTERIC FEVER.

99 Cases were notified, (78 European, 13 Native, 2 Coloured and 6 Asiatic), as compared with last year's total of 32.

A disastrous outbreak of Typhoid Fever totalling 75 cases (63 European, Native, 1 Coloured and 6 Asiatic) with one death, occurred during December month. these cases, 60 were definitely confirmed, and in 15 cases the clinical diagnosis s not confirmed by bacteriological investigations.

A single case was notified on December 20th. At the time, this was ought to be a sporadic case. Investigation was begun of contacts in order to try d identify a carrier, and routine enquiries elicited the information that raw milk s used, being a mixed milk derived from 3 suppliers. On December 26th a second case s seen and the milk consumed was found to be the same as the supply used by the evious case. It seemed now that a milk-borne Typhoid outbreak, with raw milk as the obable source, was a possibility, and steps were taken to ensure that the raw milk pply in question was forthwith pasteurised and only used in the pasteurised form. the 29th December, a number of further cases were reported and it was clear that ere was an epidemic outbreak, and that it was probably milk-borne for the following asons:-

1) The high proportion of children amongst the first cases; 8 out of the first 12.

2) The high proportion of females; 11 out of 12.

3) The milk supply was the same in all cases.

4) The high percentage of the cases who were raw milk consumers, though raw milk formed only 5% the total milk supply of the supply in question (and indeed only 25% of the total milk supply in Pietermaritzburg).

5) A water-borne outbreak was excluded, as though it might be "explosive", Non-Europeans would have been involved to a greater extent, and the outbreak would have been on a larger scale. Regular sampling of the Municipal Water Supply had been satisfactory.

The following table gives the date of the onset of illness. (The tal includes 2 cases who are actually domiciled outside of Pietermaritzburg, but obably form part of this outbreak) :-

Table I : Date of onset of illness.

1952.	December	13th	- 1
	"	14th	- 3
	"	15th	- 2
	"	16th	- 2
	"	17th	- 4
	"	18th	- 2
	"	19th	- 4
	"	20th	..../

ENTERIC FEVER Cont'd.

1952.	December	20th	- 6
	"	21st	- 5
	"	22nd	- 7
	"	23rd	- 4
	"	24th	- 5
	"	25th	- 8
	"	26th	- 5
	"	27th	- 2
	"	28th	- 2
	"	29th	- 2
	"	30th	- 2
	"	31st	- 1
1953.	January	1st	- 2
	"	2nd	- 3
	"	3rd	- 4
	"	4th	- 2
	"	5th	- 1

The following analysis indicates the milk supply of the cases and the racial distribution of cases:-

Table II

A. Cases confirmed Bacteriologically:

	Total Cases	Used only "suspected" Milk	Only Used Milk from Another Source
Europeans	48	48	-
Natives	4	4	-
Coloureds	1	1	-
Asiatics	5	5	-
TOTAL	58	58	-

B. Cases not Confirmed Bacteriologically:

	Total Cases	Used Only "suspected" Milk	Only Used Milk from Another Source	Used "suspected" Milk as well as Milk from Another Source
opeans	13	11	1	1
ives	1	1	-	-
oureds	-	-	-	-
atics	1	1	-	-
AL	15	13	1	1

2 Secondary cases (Europeans) have not been included in this analysis.

Investigation at the distributing dairy produced negative findings. Investigation of the dairies supplying milk to the distributor brought 5 Native milkers under suspicion with "doubtful" or "positive" Vi-tests. More intensive investigation of these suspects in hospital proved one to be a definite "carrier" of Typhoid Fever, E. Typhosa, phage type A, being recovered from the stool. All the cases in this outbreak on whom phage typing was done (15 in all) were reported as phage type A. (In 17 cases of Typhoid Fever admitted to Grey's Hospital about this time from outside of the City and who do not form part of this epidemic, phage typing was carried out and showed 13 phage type A and 4 untypable Vi strains.)

Except for a very small number of cases who were (voluntarily) isolated and treated at home, accommodation was found for all the cases in Grey's Hospital, the Sanatorium and the Municipal Isolation Hospital.

The ...../

(g) ENTERIC FEVER Cont'd.

The subsequent course of the outbreak with the date of onset of illness of the last case on January 5th, 11 days after the imposition of control by compulsory pasteurisation of the suspected milk, appears to confirm the belief that this was a raw milk outbreak and that pasteurisation of the raw milk put an immediate end to further infection and terminated the epidemic.

There were only 2 cases who were secondarily infected from the primary cases in this outbreak.

Immunisation on a large scale of contacts of cases and of the general public applying, was commenced, but as notifications of cases of Poliomyelitis occurred just then, this was abandoned and was only completed in a few selected cases.

Apart from immunisations carried out in relation to this epidemic outburst, 213 persons were immunised, 70 Europeans, 95 Natives, 8 Coloureds and 40 Asiatics. The method employed was two injections of Endotoxoid (S.A.I.M.R.). Nearly all those immunised were contacts of patients suffering from Typhoid Fever, and completed the course of 2 injections, a few food-handlers being also immunised.

(h) PUERPERAL SEPSIS.

No cases were notified this year.

(3) TUBERCULOSIS (Pages 42-43).

Notifications of Pulmonary Tuberculosis totalled 150, an increase on last year's total of 129, 18 of these being of Europeans. Notifications of Non-Pulmonary Tuberculosis totalled 11 (1 being European) as compared with the previous year's total of 17.

46 Borough cases (20 Natives, 10 Coloureds and 16 Asiatics) were admitted to the Tuberculosis block of the Non-European Infectious Diseases Hospital.

During the year 16 Borough cases were admitted to Grey's Hospital. (3 European, 3 Native, 4 Coloured and 6 Asiatic). 4 Borough cases and 7 Out-of-Borough cases were admitted from the T.B. Clinic to our own Tuberculosis Hospital. 3 Europeans, 2 Natives and 2 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 and 1 Asiatic was admitted to the F.O.S.A. settlement, Durban.

The scheme of subsidising rentals in tubercular families at the Sobantu Village, where a larger house was necessary to ensure the isolation of the infectious case in the home, was continued during the year, and 1 family was assisted in this way. Control by the Native Health Assistant is maintained to ensure that isolation is observed, but constant vigilance is needed and the patient's response is not always satisfactory.

The Natal Anti-Tuberculosis Association made grants to 45 families in Pietermaritzburg (4 European, 25 Native, 5 Coloured and 11 Asiatic), to enable the breadwinner to accept hospital treatment.

The following ...../

(3) TUBERCULOSIS Cont'd.

The following tables illustrate the trend in notifications and deaths from this disease over the period 1934-1953 :-

PULMONARY TUBERCULOSIS.

EAR	NOTIFICATIONS						DEATHS					
	Eur.	Nat.	Col.	As.	All Non-Eur.	Total	Eur.	Nat.	Col.	As.	All Non-Eur.	Total
34-35	7	35	12	31	78	85	4	25	7	8	40	44
35-36	17	38	15	32	85	102	2	14	3	12	29	31
36-37	8	40	8	20	68	76	4	18	7	17	42	46
37-38	17	40	15	14	69	86	7	29	7	7	43	50
38-39	15	40	15	10	65	80	5	19	6	8	33	38
39-40	7	23	7	17	47	54	4	15	7	9	31	35
40-41	7	13	11	7	31	38	3	19	1	6	29	32
41-42	8	22	6	18	46	54	5	9	1	15	25	30
42-43	8	29	2	27	58	66	5	13	2	16	31	36
43-44	5	23	3	24	50	55	3	14	4	14	32	35
44-45	13	52	5	30	87	100	3	14	4	11	29	32
45-46	12	60	10	24	94	106	10	24	6	12	42	52
46-47	10	51	13	25	89	99	11	31	6	11	48	59
47-48	23*	49	9	32	90	113	9	23	4	18	45	54
48-49	18	68	8	22	98	116	8	44	4	11	59	67
49-50	17	62	9	17	88	105	3	27	3	10	40	43
50-51	18	58	9	38	105	123	2	20	3	9	32	34
51-52	17	64	15	33	112	129	1	30	6	13	49	50
52-53	18	65	21	46	132	150	3	11	5	3	19	22

* Includes 1 case also notified as Non-Pulmonary Tuberculosis.

NON-PULMONARY TUBERCULOSIS.

EAR	NOTIFICATIONS						DEATHS					
	Eur.	Nat.	Col.	As.	All Non-Eur.	Total	Eur.	Nat.	Col.	As.	All Non-Eur.	Total
34-35	1	4	0	3	7	8	2	6	0	1	7	9
35-36	3	3	1	6	10	13	1	2	0	2	4	5
36-37	2	8	0	5	13	15	1	4	0	3	7	8
37-38	5	10	3	6	19	24	3	1	2	3	6	9
38-39	1	3	0	3	6	7	0	2	0	2	4	4
39-40	2	3	1	3	7	9	1	2	1	0	3	4
40-41	3	2	0	3	5	8	2	1	0	0	1	3
41-42	2	7	2	7	16	18	1	3	1	3	7	8
42-43	1	3	4	2	9	10	1	1	1	3	5	6
43-44	1	4	0	3	7	8	0	5	1	3	9	9
44-45	2	6	1	8	15	17	0	3	2	5	10	10
45-46	1	5	3	3	11	12	1	4	1	3	8	9
46-47	1	8	3	2	13	14	0	11	3	3	17	17
47-48	5*	9	1	4	14	19	1	8	1	2	11	12
48-49	0	7	0	7	14	14	1	7	1	2	10	11
49-50	0	12	2	10	24	24	1	3	1	2	6	7
50-51	1	10	3	12	25	26	0	6	1	2	9	9
51-52	0	7	1	9	17	17	1	2	0	1	3	4
52-53	1	6	0	4	10	11	0	7	1	1	9	9

* Includes 1 case also notified as Pulmonary Tuberculosis.

(3) TUBERCULOSIS Cont'd.

A definite increase in the total of notified cases of Pulmonary Tuberculosis and a marked decrease in the number of deaths reported, are the salient features of this years figures.

MINIATURE MASS RADIOGRAPHY.

A fourth Miniature Mass Radiography Survey was carried out by the Union Health Department Mass X-Ray Unit in Pietermaritzburg in 1952, at the following institutions and at a central site, the Market Square, for the General Public:-

Natal University.
Greyling Street Coloured School.

The following factories:-

Eddels, Natal Tanning Extract, Nestles, Coronation Brick and Tile Co., Aluminium Company of S.A., Scottish Cables.
(These were all revisits).

Victoria Road -

Serving several small factories.

Market Square -

For the General Public.

The preliminary results of this Survey were as follows:-

Total X-Rayed		Advanced (Active) Tuberculosis	Minimal (Inactive) Tuberculosis	Other Abnormal X-Rays	
				Heart	Chest
uropeans	815	1 (.12%)	2 (.25%)	1 (.12%)	5 (0.6%)
atives	2,100	18 (0.9%)	13 (0.6%)	5 (0.24%)	15 (0.7%)
oloureds	953	0	7 (0.7%)	1 (0.1%)	3 (0.3%)
siatics	1,471	12 (0.8%)	14 (1%)	1 (0.07%)	2 (0.14%)

The positive cases were followed up by full size X-Ray plates at the Tuberculosis Clinic or by their private doctors and the final result were as follows:-

	Total X-Rayed	Advanced (Active) cases of Tuberculosis	Minimal (Inactive) cases of Tuberculosis
uropeans	815	0	3 (0.4%)
atives	2,100	15 (0.7%)	11 (0.5%)
oloureds	953	1 (0.1%)	5 (0.5%)
siatics	1,471	12 (0.8%)	11 (0.76%)

The combined results of the surveys carried out in 1949, 1950, 1951 and in 1952 have yielded the following findings:-

	European Surveys				Non-European Surveys			
	1949	1950	1951	1952	1949	1950	1951	1952
otal -Rayed	413	1,376	1,344	815	1,722	2,265	3,300	4,524
ctive/Advanced ases	-	2 (0.1%)	2 (0.15%)	-	15 (0.9%)	15 (0.7%)	17 (0.5%)	28 (0.6%)
active/Minimal ases	6 (1.5%)	6 (0.4%)	12 (0.9%)	3 (0.4%)	39 (2.3%)	37 (1.6%)	47 (1.4%)	27 (0.6%)

It is ...../

(3) TUBERCULOSIS Cont'd.

It is of interest to note the Non-European figure in particular in the last survey. The total percentage of Tuberculosis uncovered by this last survey was 1.2% as compared with previous Non-European totals of 3.2%, 2.3%, and 1.9%. As this last survey repeated surveys previously done in several large factories, the drop in totals is an illustration of the "cleaning up" effect of repeated surveys in factories and in other high incidence groups. The fact, however, that the percentage of advanced cases as compared with minimal cases remains high, illustrates the fact that Tuberculosis is a rapidly progressive disease in Non-Europeans, as compared with Europeans, where the ratio of active to inactive cases remains low.

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 5 temporary beds in our Non-European Hospital. With the second survey we have had to establish a further 4 temporary beds and overflow into 6 of the Infectious Diseases beds. In the meantime we have been negotiating with the Union Health Department for several years for an additional 24 Tuberculosis beds in our Native Hospital (see page 9), and so far have not been able to obtain authority for their provision.

THE TUBERCULOSIS CLINIC : (Page 48).

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 5,225 attendances at the Clinic (including 665 Out-of-Borough cases), a further 34% increase in attendances. 3,519 Visits were made to tuberculotics and contacts in their homes, (Borough cases only). 644 Contacts were examined and X-Rayed at the Tuberculosis Clinic (including 53 Out-of-Borough contacts), a 13% increase on last years total of 570. The following notified cases were on our Tuberculosis Register as at June 30th, 1953. (Last years figures in brackets for comparison):-

	Eur.	Nat.	Col.	As.	All Non-Eur.	Total
Pulm. T.B.	57(49)	86(67)	35(19)	109(81)	230(167)	287(216)
Non-Pulm. T.B.	2(2)	8(8)	2(3)	22(22)	32(33)	34(35)

The Tuberculosis Hospital : (Non-European Only).

Admissions totalled 78, 46 Borough cases (20 Native, 10 Coloured and 16 Asiatic) and 32 Out-of-Borough cases (28 Native, 1 Coloured and 3 Asiatic).

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	"
1951-1952	"	"	"	"	"	..... 1.5	"
1952-1953	"	"	"	"	"	(including temporary beds). 1.7	"

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

(4) VENEREAL DISEASE ...../

(4) VENEREAL DISEASE. (Pages 49-58).

(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.

(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
-46	180	0.6%	2,860	11.8%	149	7.7%	636	2.4%
-47	185	0.5%	2,963	16.8%	465	1.9%	1,423	1.6%
-48	193	1.6%	3,053	9.3%	153	3.2%	772	2.2%
-49	293	1.7%	3,568	9.3%	190	2.8%	846	4.5%
-50	42	0	3,949	10.6%	102	7.8%	521	6.3%
-51	41	0	4,351	10.5%	218	8.5%	855	2.1%
-52	58	0	5,019	13.6%	279	5.7%	862	3.2%
-53	164	1.8%	5,556	10.5%	201	1.0%	872	2.8%

(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
-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
-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
-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
-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
-48	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
-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
-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
-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
-52	5.0	2.5	1	1	5.5	5.6	3.0	3.6	3.8	7.4	1	2.3	3.0	5.4	2.5	1.9
-53	2.5	2.9	0	0	4.4	4.8	2.4	3.7	4.0	5.8	-	2.6	3.4	5.4	1.2	6.5

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.

(g) ...../

(g) A further decrease in Clinic Attendances has been recorded, there being 8,126 attendances during the year as compared with last year's total of 10,157. 2,936 Home Visits were paid to cases of Venereal Disease, as compared with last year's total of 2,733. The decrease in attendances is probably due to the change over to Penicillin treatment in hospital, so that many patients who formerly attended weekly for treatment now only attend occasionally for checking.

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

Admissions to this hospital totalled 910 this year, again showing a big decrease on the previous year's total, viz. 1,312, the daily average of in-patients totalling 30 as compared with 42 last year and 50 the year before.

The re-admissions for this period numbered 122, i.e. 13.4% of admissions as compared with 16%, 14%, 12% and 13.8% the preceding four years. An analysis of the patient's reasons for re-admissions and for failure to continue treatment, is given in the following table:-

	Male	Female	Total
1) No reason given for failure to continue treatment	23	7	30
2) Patients thought themselves cured after only a few follow-up injections	4	-	4
3) Patients attended only irregularly for follow-up treatment	-	-	-
4) Patients diagnosed on first admission as Non-Venereal Disease, but re-admitted subsequently and diagnosis found to be Venereal Disease	2	1	3
5) Patients unable to pay a doctor for further treatment	-	-	-
6) Patients stated no facilities for further treatment available near their homes or unable to pay transport to obtain treatment	1	-	1
7) Patients stated employers would not allow them to attend for further treatment	2	1	3
8) Patients told by a doctor that they were cured after only a few subsequent injections	2	2	4
9) Gaoled and received no further treatment	1	-	1
10) Patients re-admitted suffering from forms of V.D. other than that originally admitted for	9	6	15
11) Non-Venereal Disease	-	7	7
12) Relapsed though attended Clinic fairly regularly	3	1	4
13) Reinfected after discharge from Clinic	20	30	50
14) Religious objections to treatment	-	-	-

One can regard the re-admissions under the first three headings (approx. $\frac{1}{4}$ of the total) as due to failure of the Educative section of the Venereal Diseases Hospital treatment. The proportion recorded in the last five years has been $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{3}$, $\frac{1}{5}$ and $\frac{1}{4}$ 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 8 day course (a total of 4.8 M.u. Penicillin Procaine in Oil), adopted on the instruction of the Union Health Department, 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 three 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 ...../

A single Departmental Rodent Inspector devotes all his time to anti-rodent measures, trapping, poisoning, chiefly with Zinc Phosphide and more recently with "Wharfarin", 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 - both are now rodent-proof.

Trapping operations by Rodent Inspector	: 34.	Rodents trapped	25
Poisoning " " " "	: 192.	Rodents Poisoned:	
		(Bodies recovered) 73	
		(Estimated total-bodies not recovered) 992	1,065
Gassing operations by Rodent Inspector	: 13.	Rodents killed	22
		Total :	1,112

19 Dwellings completed rodent-proofing - 49 inspected.
103 Business premises, shops and stores rodent-proofed - 183 inspected.
2 Stables rodent-proofed - 7 inspected.
2 Other buildings rodent-proofed - 5 inspected.

New buildings supervised for rodent-proofing : 34
Vacant lands gassed : 6

(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 and no new infections of malaria occurred within the Borough.

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

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, D.D.T. suspension being used with satisfactory results.

(11) BILHARZIA.

Regular surveys were carried out during the year, and 1,178 snails were identified, 30 of these being Physopsis Africana. Copper Sulphate was used for the treatment of 6 areas where Physopsis were identified with a resultant rapid and considerable reduction in the number of snails found, treatment being repeated at 2 monthly intervals.

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

(111) ENTERITIS in children under the age of two years accounted for 57 deaths, (5 European, 41 Native, 4 Coloured and 7 Indian) an improvement on the previous year's total of 80. The European total of 5 is the highest figure recorded in the last 15 years.

(1V) MUMPS.

This disease was moderately prevalent. 24 Cases were admitted to the (European) Isolation Hospital, 18 being Borough cases. 2 Cases only were admitted to the Non-European Infectious Diseases Hospital, from outside the Borough. No deaths were reported from this disease. (See table on page 59).

(V) MEASLES...../

(V) MEASLES.

This disease was fairly prevalent in school children this year, 53 Borough cases being admitted to the Isolation Hospital. One European and one Native death were recorded.

(VI) CHICKEN POX.

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

(VII) WHOOPING COUGH.

This disease was moderately prevalent during the year, and no deaths were reported from this disease. Immunisation was carried out at the Infant Welfare Clinics, using a combined Whooping Cough and Diphtheria Vaccine. (See page 24).

(7) WATER SUPPLY. (See Page 63).

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 Alumina-ferric, 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 samples of well and tank waters have also been examined.

The water supply has proved inadequate on several occasions for the expanding needs of the City, and restrictions have been imposed on the use of water on several occasions. Expansion and modernisation of the Purification Works has now been completed. Metering all domestic water supplies is now under consideration with a view to reducing the total consumption of water by the City.

(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 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, and construction work has already commenced.

(9) MEAT SUPPLIES (See Pages 66-67).

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. 243 Inspections of butchers' shops were made. A list of meat, fish and fowl condemned after inspection is shown on pages (64 - 65).

The Abattoir Manager reports that during the year 51,668 animals were slaughtered, a 18% increase on last year's total of 43,619.

The actual 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 build at some opportune time its own By-Products Plant, and has acquired land adjoining the Abattoir for the purpose of expansion. The plan for the expansion of the Abattoir was commenced and the building of Non-European change rooms,

and ...../

and the provision of new Railway Siding facilities is nearing completion. The lairage accommodation has already been improved by the provision of asbestos roofing. Adequate Cold Storage accommodation has also been planned, there being none at the Abattoir at present.

The removal of the control price of mutton and the introduction of auction sales of mutton in December, 1951, has caused many difficulties in the working of the Abattoir, which was never designed for such sales and the Council has submitted a plan for the expansion of its Hanging Hall accommodation to the Livestock and Meat Industries Control Board for its approval.

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 8 years :-

	CATTLE			CALVES			PIGS		
	Slaughtered	% Infected	% Condemned	Slaughtered	% Infected	% Condemned	Slaughtered	% Infected	% Condemned
6	11,091	7.73	0.91	5,076	4.98	1.30	3,947	2.96	2.58
7	12,227	8.00	1.16	4,369	5.05	1.46	3,480	4.22	3.76
8	11,513	6.94	0.84	3,244	4.68	1.44	3,254	4.94	4.06
9	9,126	5.82	0.97	3,102	4.51	1.90	5,318	2.76	2.08
0	10,564	7.16	0.88	3,385	4.66	1.38	6,308	1.37	1.10
1	8,364	8.72	1.21	3,113	5.30	1.28	6,445	2.17	1.69
2	10,740	8.69	0.94	2,428	5.02	1.35	4,148	3.18	2.60
3	11,438	7.03	0.62	2,345	4.64	1.02	2,470	1.65	1.21

(10) MILK SUPPLIES.

The milk supply has been carefully controlled throughout the year. It is derived from 35 producer-distributors, of whom 18 are in the Borough, and 17 outside of the Borough.

In addition to these, there are 91 producers, 8 Borough and 83 Out-of-Borough, who send their milk to a pasteurisation plant, from where it is distributed after pasteurisation. All these dairymen are registered with this Department and their premises are inspected regularly. Approximately 77% of the milk sold in Pietermaritzburg is now pasteurised.

There are 15 cream suppliers, of whom 8 are in the Borough and 7 outside the Borough.

During the year the routine Vi-Testing of dairy employees was continued. Specimens, which are taken at the dairies by the Health Inspector, are sent by pullman transport to the Durban Government Laboratory for examination, thus reaching the laboratory the same day as taken. 972 Bloods were examined and of these 5 were reported positive. A repeat examination of these cases was carried out and the result was confirmed as positive in 3 cases.

There was one milk-borne Enteric outbreak arising from one raw milk supply to the City (see page 12 - Enteric Fever). 946 Immunising injections of Typhoid Endotoxoid Vaccine were given to dairy employees.

(11) OTHER FOOD SUPPLIES. (Pages 62 - 65).

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 64 - 65). 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 68. A system of routine 3-monthly inspections of all food-handling premises, of Boarding Houses and of laundries is carried out.

Careful ...../

Careful attention is paid to storage conditions, particularly to rodent-proofing, and there is a considerable improvement in this connection. 326 Inspections of the Borough Market and 2,687 inspections of other premises manufacturing or handling food were made. (Pages 69 - 71).

Food and Drugs Act. (Pages 62 - 63).

Under the Food, Drugs and Disinfectants Act, 30 samples were taken and the results of the analyses were as follows:-

Milk: 3 Samples: 1 Sample not in accordance with requirements in regard to Solids-Non-Fat; was between 8% and 8.5%.

Ice Cream: 2 Samples: Both in accordance with standards laid down.

Cream: 7 Samples: All in accordance with standards laid down.

Mince Meat: 16 Samples: All samples in accordance with standards laid down.

Sausage: 2 Samples: Both in accordance with standards laid down.

In the case of the defective Solids-Non-Fat Milk Sample in the group 8% to 8.5%, a letter was written to the dairyman.

Outbreaks of Food Poisoning.

During the year an outbreak of food poisoning in a boarding school was reported to this Department, totalling 18 cases.

The incubation period varied from 14 - 22 hours. The illness was mild and rapidly cleared up. The food suspected was cold meat (salt beef).

Examination of the stools of 4 sick children, yielded no organism common to all. Bacteriological examination of the salt beef eventually yielded a culture of B. Cereus which has occasionally produced food poisoning outbreaks apparently through a toxin. This outbreak clinically resembles the outbreaks described (see review in Bulletin of Hygiene, Jan., 1951, of article "Food Poisoning caused by B. Cereus", by S. Hauge), but the source of the organism in this outbreak could not be determined.

(12) MATERNITY AND CHILD WELFARE (Page 61).

The European Infantile Mortality Rate of 27.1 was very much higher than last year's exceptionally low figure of 14.7, but is still fairly satisfactory.

The Coloured Infantile Mortality Rate rose sharply from 49.1 to 80.2.

The Indian Infantile Mortality Rate was the only one to show an improvement, viz. from 43.2 to 34.4.

The Native Infantile Mortality Rate was 326, a marked increase on last year's rate of 257.7.

The main causes and age groupings of Infantile Mortality in the different races are shown on pages 40 - 41.

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 second, Broncho Pneumonia third, and Malnutrition a close fourth.

While on the whole the European, Coloured and Asiatic Infantile Death Rates are showing an improvement over recent years, the Native Infantile Mortality Rate is worsening, and the recently incorporated area of Raisethorpe appears to be an area with an unduly high Infantile Mortality.

Table I ...../

TABLE I Infantile Mortality Rate : (Deaths of Infants up to 1 year of age per 1,000 Births).

	European	Native	Coloured	Asiatic
48	17.04	184.8	67.3	36.9
49	19.8	222.2	103.4	58.2
50	23.9	273.8	110.1	55.3
51	23.6	189.3	48.5	32.1
52	14.7	257.7	47.4	43.2
53	27.1	326.6	80.2	34.4
ge	21.023	242.4	76.15	43.35

TABLE II Mortality Rate in Children 1 - 4 years (inc.) (Deaths per 1,000 Population).

	European	Native	Coloured	Asiatic
48	0.23	1.64	1.82	1.48
49	0.37	1.19	0.34	1.26
50	0.14	1.93	0.97	1.49
51	0.13	1.26	2.46	0.38
52	0.07	2.3	1.45	1.21
53	0.19	1.61	1.1	0.7
ge	0.19	1.65	1.35	1.09

TABLE III Incidence at Raisethorpe (for year 1951-52)

	Native	Coloured	Asiatic
Population as % of total Population of City	2.5%	31%	13.6%
Infantile Mortality as % of total Infantile Mortality of City	9.6%	25%	28%

The City Council has now decided to appoint a trained Native Health Visitor (the first Native Health Visitor to be appointed in this Department) to work amongst the Native population, particularly in Raisethorpe. It is hoped that the additional work that will now be carried out in Natives will produce similar results to the results achieved in the other race groups.

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 61.

Diphtheria immunisation was continued throughout the year as one of the activities of the Infant Welfare Clinics, a total of 717 children being immunised. (European 221; Native 53; Coloured 74; Asiatic 369).

A combined Diphtheria and Whooping Cough Vaccine was used in infants, and of the total given above 178 European, 24 Native and 24 Coloured infants were immunised against Whooping Cough at the same time as against Diphtheria. Asiatics were not given this combined vaccine on account of the difficulty experienced in persuading them to attend for the full course of 3 injections. (See page 11).

Child Welfare Clinic attendances were as follows:-

	European	Native	Coloured	Asiatic
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
1951-52	8,068	4,230	1,989	5,164
1952-53	8,211	5,115	1,921	5,580

The increased Non-European attendance over the last 3 years 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 growing rapidly. Temporary accommodation for one weekly clinic session was obtained in the Baijoo Government Aided Indian School, but it is now evident that the Clinic will have to be split up into 2 sessions and new premises have been found. The Union Health Department has refused to recognise this Clinic for refund purposes.

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

Successful Vaccinations (under 3 years) : 354.
" " (over 3 years) : 2.
Insusceptible to Vaccination (under 3 years) : 29.
Exempted : Nil.

Vaccinations carried out by this Department at the Infant Clinic sessions totalled 864, (Eur. 263, Nat. 159, Col. 140, As. 302).

Maternal Mortality.

1 Native death was recorded from Eclampsia, and one from Placenta Praevia.

The Midwifery Training School at Grey's Hospital provides midwifery services for Europeans in the wards of Grey's Hospital, and district Midwifery Services in Pietermaritzburg (except at Raisethorpe) for Europeans, Coloureds and Asiatics. In addition, Ante-Natal Clinic Services for all races are provided. The Non-European Maternity Wards of Grey's Hospital have been transferred to a temporary converted hospital at Mayor's Walk providing 76 beds for Natives, Coloureds and Asiatics. This is shortly to be removed to the now nearly completed Edendale Native Hospital. Native District Midwifery is carried out by the Native Municipal Midwife, but is not extensive as most Native women in Pietermaritzburg prefer to go to Hospital for their confinements.

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

Borough cases : (From 1st July, 1952 to 30th June, 1953) :-

Ante-Natal Clinic Attendances:

Europeans	1,068
Natives	15,864
Coloureds	750
Asiatics	1,798
TOTAL	19,480

District Midwifery Visits:

Europeans	692
Coloureds	827
Asiatics	6,383
TOTAL	7,902

The Municipal Native Midwife conducted 15 confinements and paid 192 confinement visits during the year.

Pietermaritzburg is a "Prescribed Area" under Section 39(b) of the Medical Dental and Pharmacy Act No. 13 of 1928, within which no person other than a medical practitioner or a midwife registered under the Act, shall attend any lying-in-woman for gain. There is one untrained midwife (an Asiatic) "listed" in Pietermaritzburg, and she conducted 5 confinements in the year. 2 Midwives bag inspections were made.

(13) BY-LAW ...../

(13) BY-LAW NOTICES AND PROSECUTIONS. (Pages 69 - 72).

2,106 Notices and formal letters were served regarding breaches of the Borough By-Laws. 22 Prosecutions were initiated in the Magistrate's Court, as detailed on page 72.

(14) OTHER MATTERS OF HEALTH AND SANITATION.

Nursing Homes: The Registration and Inspection of Nursing Homes in Natal is now carried out by the Provincial Administration.

Complaints from Burgesses: 118 Complaints were received and attended to during the year.

Medical Examination of Natives:

Examined	Rejected (All Causes)		Rejected V.D.		Referred T.B. Clinic		Vaccinated
: 22,567	64	: 0.3%	27	: 0.1%	29	: 0.2%	
: 62	6	: 9.7%	3	: 4.8%	2	: 3.2%	
: 22,629	70	: 0.3%	30	: 0.1%	31	: 0.1%	443

Other Reasons for Rejection:

Dirty	:	Male	: 3
Scabies	:	Male	: 4
Leprosy	:	Male	: 1

The number of Native female domestic servants coming forward for voluntary examination remains low, 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	:	1,015
Re-attendances at Dispensary	:	164
Home Visits	:	3,650
Surgical Dressings	:	10,708

Health Propaganda:

Lectures were given by the Medical Officer of Health and the Assistant Medical Officer of Health on the subjects "Tuberculosis" and "Modern methods in the treatment of Infectious Diseases" to pupil nurses at Grey's Hospital.

(15) STAFF ...../

(15) STAFF

The Staff of the Department at June 30th, 1953, 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	:	K. Mullen
Senior Woman Clerical Asst.	:	Miss E.M. Hughes
Junior Woman Clerical Assts.	:	Mrs. D. Cox Miss M. Hattingh Miss Y.W. Gafney

2 Native Messengers

INSPECTORATE.

Chief Health Inspector	:	C.F. Wyatt, Cert. R.S.I., Meat & Other Foods Cert. R.S.I.
Health Inspectors	:	R.E. Bunn, Cert. R.S.I.
	:	D.C. Johnston, Cert. R.S.I.
	:	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.
	:	J.E.J. van der Merwe, Cert. R.S.I.
	:	A.M. Halgreen, 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.

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

ISOLATION HOSPITAL...../

ISOLATION HOSPITAL

Matron	:	E.C. Tiffin
Sisters	:	R. Browne, V.E. Kelly, M.B. Walker
Night Sister	:	K.E. Koen
Probationer Nurses	:	K. von Abo, 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
Native Probationer Nurses	:	5
Native Domestic Staff	:	20
Native Night Watchman	:	1

EPIDEMIC HOSPITAL

Officer-in-Charge	:	H.G. Fandam
Housekeeper	:	Mrs. Fandam
Native Staff Nurses	:	2
Native Orderlies	:	2
Native Domestic Staff	:	2
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.
	:	Position Vacant
Clerk	:	Position Vacant
Stockyard Foreman	:	C.F. Heathman

* * *

REPORT B.

(1) HOUSING.

The City Council built 3 houses for Europeans and 48 'National' Houses at the Sobantu Village for Natives.

Powers under the Borough By-Laws have been exercised sparingly in dealing with insanitary dwellings, owing to the acute housing shortage. 8 Dwellings were condemned for demolition under Public Health By-Law 19(b), (6 of these being demolished and 2 having been converted to open sheds by the end of the period under review), and 11 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 636 have been scrutinised. Of these 446 were approved out-right, 89 approved subject to minor alterations, 69 were disapproved and 32 were returned for additional information.

New Buildings.

The City Engineer reports that during the year 149 dwellings were completed for Europeans, and 7 dwellings for Non-Europeans, as compared with last year's total of 190. 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, 1953, contained 697 occupied houses and various public buildings, with an estimated population of 4,182. 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 recently constructed ablution blocks, and this has proved very popular.

The City Council is continuing with the construction of further National (Sub-economic) Houses and has an economic scheme under consideration as well 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 1,217 Natives, and the Ortman Road Hostel with a capacity of 119. The Women's Hostel in Church Street houses 250 women, and an additional Women's Hostel housing 203 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. 211 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 inspection 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 Council has appointed a Woman Housing Manager, trained under the Octavia Hill Scheme, who operates under the Estates Manager in the City Treasurer's Department.

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

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

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

Since 1945, the following building has taken place:-

(1) Europeans: a) 54 National (Sub-economic) Houses.
b) 1,134 Dwellings and 111 Flats.

(2) Natives: a) 364 National (Sub-economic) Houses.
b) Accommodation for 28 persons - aged and indigent Natives.
c) Additional Hostel accommodation for Native Males.

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

(4) Asiatics: 137 Houses (including 75 Sub-economic and National Houses).

Council Housing:

A Housing Scheme for 100 'National' houses for Asiatics has been under consideration for some years now, and although funds were obtained for this scheme, the scheme was abandoned owing to objections raised to its siting. An alternative new site has now been proposed, but until the approval of the Land Tenure Board is obtained for this site, no progress can be made with the scheme.

Housing needs, as estimated 3 years ago, admittedly by "intelligent guesswork" only, 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 Europeans due to private enterprise, this is not considerable, for only the high middle and upper income groups are able to meet the present day high cost of housing. The needs of the other income and racial groups are steadily increasing and practically no housing has been provided to meet their requirements.

The fixing of £30 as a limit of income above which no person is eligible for a 'Sub-economic' or 'National' House now places most of the European 'Sub-economic' total quoted above into the "Economic" class, while the £20 limit for Non-Europeans brings a substantial proportion of the Coloured and Asiatic "Sub-economic" requirements into the "Economic" section.

* * *

DEATHS.

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 RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
INFECTIVE AND PARASITIC DISEASES.												
1. Typhoid Fever	1	0	1	0	1	1	0	0	0	0	0	0
2. Cerebrospinal Mgcl. Meningitis	0	0	0	0	1	1	0	0	0	0	0	0
2. Diphtheria	0	2	2	0	0	0	0	0	0	0	0	0
Tuberculosis of:-												
5. Respiratory System	1	2	3	8	3	11	2	3	5	2	1	3
6. Central Nervous System	0	0	0	2	0	2	0	0	0	0	0	0
1. Lymphatic System	0	0	0	1	1	2	0	0	0	0	0	0
2. Genito-Urinary System	0	0	0	1	0	1	0	0	0	0	0	0
4. Tuberculosis, Acute Miliary	0	0	0	2	0	2	1	0	1	0	0	0
5. Tuberculosis, Chronic Miliary	0	0	0	0	0	0	0	0	0	1	0	1
7. Purulent infection and Septicaemia (non puerperal)	0	0	0	1	0	1	1	0	1	0	0	0
2. Bacillary Dysentery	0	0	0	0	1	1	0	0	0	0	0	0
3. Amoebic Dysentery	0	0	0	0	1	1	0	0	0	0	0	0
Syphilis:-												
1. General Paralysis of the insane	1	0	1	1	0	1	0	0	0	0	0	0
2. Aneurysm of Aorta	1	1	2	1	1	2	0	0	0	0	0	0
3. Congenital Syphilis	0	0	0	0	0	0	1	0	1	0	0	0
4. Other Forms	0	0	0	4	1	5	0	0	0	0	0	0
9. Influenza without Respiratory Complications Specified.	0	0	0	0	0	0	0	0	0	0	2	2
2. Measles	0	1	1	1	0	1	0	0	0	0	0	0
1. Bilharzia	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL : GROUP I	4	6	10	22	10	32	5	3	8	4	3	7

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	6	10	22	10	32	5	3	8	4	3	7
(2) CANCER AND OTHER TUMOURS.												
100. Buccal Cavity	3	1	4	0	0	0	0	0	0	0	0	0
101. Oesophagus	1	1	2	0	0	0	0	0	0	0	0	0
102. Stomach and Duodenum	2	1	3	1	0	1	0	0	0	0	0	0
103. Rectum	4	1	5	0	0	0	1	0	1	0	0	0
104. Liver	3	1	4	2	0	2	1	0	1	0	1	1
105. Cancer of Pancreas	2	1	3	0	0	0	0	0	0	0	1	1
106. Other digestive organs (Including Peritoneum)	1	3	4	0	0	0	0	0	0	1	0	1
109. Lung	4	1	5	0	0	0	0	0	0	1	0	1
110. Uterus	0	3	3	0	0	0	0	0	0	0	2	2
111. Other female genital organs	0	2	2	0	0	0	0	0	0	0	0	0
112. Breast	0	4	4	1	0	1	0	0	0	0	0	0
113. Prostate	0	0	0	0	0	0	0	0	0	1	0	1
115. Male and Female Urinary Organs	1	0	1	0	0	0	0	0	0	0	0	0
116. Skin	0	1	1	0	0	0	0	0	0	0	0	0
117. Brain and Nervous System	0	0	0	0	0	0	0	0	0	1	0	1
119. Other and Unspecified Organs	1	3	4	0	1	1	0	0	0	2	0	2
TOTAL : GROUP 2	22	23	45	4	1	5	2	0	2	6	4	10
(3) RHEUMATISM, DISEASES OF NUTRITION, ETC.												
150. Chronic Rheumatism: Osteo-Arthritis, etc.	0	1	1	0	0	0	0	0	0	0	0	0
152. Diabetes	0	0	0	0	0	0	0	1	1	2	1	3
153. Malnutrition	0	1	1	15	8	23	1	1	2	3	0	3
154. Other General Diseases	1	0	1	1	0	1	0	0	0	0	0	0
TOTAL : GROUP 3	1	2	3	16	8	24	1	2	3	5	1	6
Total C/Forward :	27	31	58	42	19	61	8	5	13	15	8	23

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	31	58	42	19	61	8	5	13	15	8	23
(4) DISEASES OF THE BLOOD.												
203. Pernicious Anaemia	0	0	0	0	0	0	0	0	0	0	1	1
206. Other and Unspecified Anaemias	1	0	1	0	0	0	0	0	0	0	0	0
207. Leukaemia	0	0	0	0	0	0	0	0	0	0	1	1
209. Splenic Anaemia	0	0	0	0	0	0	0	0	0	1	0	1
211. Other Diseases of the Spleen	0	0	0	1	0	1	0	0	0	0	0	0
212. Agranulocytosis	0	1	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 4	1	1	2	1	0	1	0	0	0	1	2	3
(6) DISEASES OF THE NERVOUS SYSTEM.												
302. Pneumococcal Meningitis	0	0	0	2	0	2	0	0	0	0	0	0
303. Other Forms of Meningitis	0	0	0	1	1	2	0	0	0	1	0	1
305. Cerebral Haemorrhage	9	9	18	1	0	1	1	2	3	4	3	7
306. Cerebral Embolism and Thrombosis	3	4	7	1	0	1	0	0	0	1	0	1
307. Hemiplegia and Other Paralysis of unstated origin	1	0	1	0	0	0	0	0	0	0	0	0
308. Mental Disorders and Deficiency	1	0	1	0	0	0	0	0	0	0	0	0
309. Epilepsy	0	3	3	3	0	3	0	0	0	1	1	2
315. Others	1	0	1	2	0	2	0	0	0	0	0	0
TOTAL : GROUP 6	15	16	31	10	1	11	1	2	3	7	4	11
Total C/Forward	43	48	91	53	20	73	9	7	16	23	14	37

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	48	91	53	20	73	9	7	16	23	14	37
(7) DISEASES OF THE CIRCULATORY SYSTEM												
353. Valvular Disease-Rheumatic	0	0	0	2	1	3	0	0	0	0	1	1
354. Valvular Disease - Other Forms	0	0	0	2	0	2	0	0	0	0	0	0
355. Acute Myocarditis	0	0	0	0	0	0	0	0	0	0	1	1
356. Chronic Myocarditis specified as Rheumatic	3	1	4	1	0	1	0	0	0	0	0	0
357. Other Chronic Myocarditis	11	10	21	2	1	3	2	0	2	0	1	1
358. Diseases of the Coronary Arteries and angina pectoris	25	12	37	2	2	4	1	3	4	5	2	7
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	18	12	30	5	5	10	4	1	5	7	3	10
362. Arterio sclerosis	6	0	6	0	0	0	0	0	0	0	0	0
367. High Blood Pressure	1	2	3	1	0	1	0	1	1	2	2	4
368. Other diseases of the Circulatory System	2	1	3	0	0	0	0	0	0	2	0	2
TOTAL : GROUP 7	66	38	104	15	9	24	7	5	12	17	10	[illegible]
Total C/Forward	109	86	195	68	29	97	16	12	28	40	24	64

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	109	86	195	68	29	97	16	12	28	40	24	64
(8) DISEASES OF THE RESPIRATORY SYSTEM												
402. Acute Bronchitis	0	0	0	0	0	0	0	0	0	1	1	2
403. Chronic Bronchitis	0	0	0	0	0	0	0	0	0	1	0	1
404. Broncho Pneumonia	2	5	7	9	8	17	1	4	5	1	4	5
405. Lobar Pneumonia	3	3	6	6	3	9	0	0	0	2	1	3
406. Pneumonia Unspecified	2	4	6	0	1	1	0	0	0	0	0	0
407. Empyema	0	0	0	0	1	1	0	0	0	0	0	0
409. Haem. Infarction of lungs, etc.	3	4	7	1	0	1	0	0	0	0	2	2
411. Asthma	2	0	2	0	0	0	2	0	2	0	0	0
418. Other Diseases of Respiratory System not specified as occupational	0	0	0	1	0	1	0	0	0	1	0	1
TOTAL : GROUP 8	12	16	28	17	13	30	3	4	7	6	8	14
Total C/Forward	121	102	223	85	42	127	19	16	35	46	32	78

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	121	102	223	85	42	127	19	16	35	46	32	78
(9) DISEASES OF THE DIGESTIVE SYSTEM												
455. Ulcers of the Stomach	2	0	2	0	0	0	0	0	0	2	0	2
456. Ulcers of the Duodenum	0	1	1	1	0	1	0	0	0	0	0	0
457. Other Diseases of the Stomach (except Cancer and other malignant tumours)	0	0	0	0	0	0	1	0	1	0	0	0
458. Diarrhoea and Enteritis (under 2 years)	3	2	5	23	18	41	2	2	4	4	3	7
459. Diarrhoea and Enteritis (over 2 years)	0	0	0	3	0	3	0	0	0	0	0	0
463. Intestinal Obstruction	2	1	3	0	0	0	0	0	0	0	1	1
465. Other Diseases of the Intestines	1	0	1	0	0	0	0	0	0	0	0	0
467. Cirrhosis of Liver without alcoholism	1	2	3	1	0	1	0	0	0	1	0	1
472. Diseases of Pancreas (other than diabetes)	1	0	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 9	10	6	16	28	18	46	3	2	5	7	4	11
Total C/Forward	131	108	239	113	60	173	22	18	40	53	36	89

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	131	108	239	113	60	173	22	18	40	53	36	89
(10) DISEASES OF THE URINARY AND GENITAL SYSTEMS.												
500. Acute Nephritis	0	0	0	1	0	1	0	0	0	0	0	0
501. Chronic Nephritis	1	1	2	1	1	2	0	0	0	4	1	5
502. Nephritis, not stated to be acute or chronic	0	0	0	1	0	1	0	0	0	0	0	0
503. Pyelitis	0	1	1	0	0	0	0	0	0	0	0	0
504. Oth. Diseases of Kidneys and Ureters	1	0	1	0	0	0	0	0	0	0	0	0
509. Hypertrophy Prostate	4	0	4	0	0	0	0	0	0	1	0	1
TOTAL : GROUP 10	6	2	8	3	1	4	0	0	0	5	1	6
(11) DISEASES OF PREGNANCY.												
556. Haemorrhage from premature separation of placenta and other accidental haemorrhage during pregnancy (except abortion).	0	0	0	0	0	0	0	0	0	0	1	1
559. Albuminuria and Nephritis of Pregnancy	0	0	0	0	0	0	0	0	0	0	1	1
560. Acute yellow atrophy of liver associated with Pregnancy	0	0	0	0	1	1	0	0	0	0	0	0
570. Puerperal Eclampsia	0	0	0	0	1	1	0	0	0	0	0	0
TOTAL : GROUP 11	0	0	0	0	2	2	0	0	0	0	2	2
Total C/Forward	137	110	247	116	63	179	22	18	40	58	39	97

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	110	247	116	63	179	22	18	40	58	39	97
(14) CONGENITAL MALFORMATIONS.												
700. Congenital Hydrocephalus	1	0	1	0	0	0	0	0	0	0	0	0
703. Monstrosities	0	0	0	0	0	0	0	0	0	0	1	1
704. Congenital Pyloric Stenosis	0	0	0	0	0	0	0	0	0	0	1	1
708. Other stated congenital malformations	1	0	1	0	0	0	0	0	0	0	0	0
709. Unspecified congenital malformations	0	1	1	0	0	0	0	0	0	0	0	0
TOTAL : GROUP 14	2	1	3	0	0	0	0	0	0	0	2	2
(15) DISEASES PECULIAR TO THE FIRST YEAR OF LIFE												
751. Premature Birth	2	2	4	4	8	12	1	3	4	4	0	4
752. Injury at birth - intracranial haemorrhage	0	0	0	1	2	3	2	1	3	2	2	4
753. Other birth injuries	0	0	0	0	0	0	0	0	0	0	1	1
754. Asphyxia during or after birth	1	1	2	0	2	2	0	0	0	0	0	0
758. Other specified diseases	1	2	3	0	1	1	0	0	0	0	0	0
TOTAL : GROUP 15	4	5	9	5	13	18	3	4	7	6	3	9
(16) SENILITY												
800. Senility (age 65 and over)	3	3	6	1	1	2	1	0	1	5	2	7
TOTAL : GROUP 16	3	3	6	1	1	2	1	0	1	5	2	7
Total C/Forward	146	119	265	122	77	199	26	22	48	69	46	115

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	146	119	265	122	77	199	26	22	48	69	46	115
(17) VIOLENT OR ACCIDENTAL DEATHS												
851. Analgesic, Narcotic and Soporific drugs (suicide)	2	0	2	0	0	0	0	0	0	1	0	1
856. Hanging or Strangulation (suicide)	0	0	0	1	0	1	0	0	0	0	0	0
858. Firearms and explosives	1	2	3	0	0	0	0	0	0	0	0	0
866. Homicide by cutting or piercing instruments	0	0	0	1	0	1	1	0	1	0	0	0
867. Homicide by other or unspecified means	0	0	0	1	0	1	0	0	0	0	0	0
868. Accidents on Railways	1	0	1	0	0	0	0	0	0	0	0	0
871. Other accidents (Motor-driven Road Vehicles)	2	1	3	4	0	4	0	1	1	1	3	4
874. Other Accidents (Motor-driven cycles)	0	1	1	0	0	0	0	0	0	1	0	1
877. Other accidents (Pedal cycles)	0	1	1	4	1	5	0	0	0	0	0	0
886. Accidents caused by Machinery	0	0	0	1	0	1	0	0	0	0	0	0
891. Accidental Burns	0	0	0	1	0	1	0	0	0	1	0	1
893. Accidental Drowning	0	0	0	0	0	0	1	0	1	0	0	0
896. Accidental injury by fall	0	1	1	0	0	0	0	0	0	0	0	0
906. Anaesthetic accidents	1	0	1	0	0	0	0	0	0	1	0	1
908. Other and Unspecified Accidents	1	0	1	2	0	2	0	0	0	1	0	1
TOTAL : GROUP 17	8	6	14	15	1	16	2	1	3	6	3	9
(18) ILL-DEFINED CAUSES OF DEATH												
951. Ill-defined causes	0	1	1	3	3	6	0	0	0	0	0	0
952. Found dead, cause unknown	0	0	0	1	2	3	1	0	1	0	0	0
953. Other deaths from unknown or unspecified causes	0	0	0	1	1	2	0	0	0	0	0	0
TOTAL : GROUP 18	0	1	1	5	6	11	1	0	1	0	0	0
TOTAL	154	126	280	142	84	226	29	23	52	75	49	124

Classified under 952. Corpse found : race, age and sex not given.

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
Diphtheria	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis - Central Nervous System	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
Purulent infection and septicaemia (non-puerperal)	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
Influenza without respiratory complications specified	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Malnutrition	0	1	1	4	6	10	1	0	1	1	0	1	6	6	12
Other general diseases	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
Meningitis pneumococcal	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
Meningitis - Other forms	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
Other diseases of the heart not specified as rheumatic	0	1	1	1	0	1	0	0	0	0	0	0	1	0	1
Broncho Pneumonia	0	1	1	4	5	9	0	3	3	1	1	2	5	9	14
Lobar Pneumonia	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
Asthma	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Other diseases of the lung	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Diarrhoea and Enteritis (under 2 years)	2	1	3	16	12	28	1	2	3	4	2	6	21	16	37
Acute nephritis	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
Chronic nephritis	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Congenital hydrocephalus	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Congenital pyloric stenosis	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Other stated congenital malformations	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Premature birth	2	2	4	4	8	12	1	3	4	4	0	4	9	11	20
Intra-cranial or spinal haemorrhage	0	0	0	1	2	3	2	1	3	2	1	3	5	4	9
Other birth injuries	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Asphyxia, Atelectasis	1	1	2	0	2	2	0	0	0	0	0	0	0	2	2
Other specified diseases	1	2	3	0	1	1	0	0	0	0	0	0	0	1	1
Other accidents - motor-driven road vehicles	0	0	0	1	0	1	0	0	0	0	0	0	1	1	2
Accidental burns	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
Other and unspecified accidents	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
Ill-defined causes	0	0	0	1	2	3	0	0	0	0	0	0	1	2	3
Found dead, cause unknown	0	0	0	0	2	2	0	0	0	0	0	0	0	2	2
Other deaths from unknown or unspecified causes	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
TOTAL :	9	10	19	39	42	81	6	9	15	14	8	22	59	60	119

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
ring 1st Week	4	6	10	6	13	19	3	1	4	5	2	7	14	16	30
st Week - 3 Weeks	2	0	2	0	4	4	0	3	3	2	0	2	2	7	9
Month - 2 Months	0	1	1	6	6	12	0	0	0	3	2	5	9	8	17
Months - 5 Months	1	0	1	8	8	16	1	3	4	1	1	2	10	12	22
Months - 8 Months	2	2	4	16	3	19	1	2	3	1	1	2	18	6	24
Months - 11 Months	0	1	1	3	8	11	1	0	1	2	2	4	6	10	16
TAL :	9	10	19	39	42	81	6	9	15	14	8	22	59	59	118

INFANTILE MORTALITY RATES

(Deaths per 1,000 Births).

	EUROPEAN	NATIVE	COLOURED	ASIATIC
ring 1st Week	10 : 14.2	19 : 76.6	4 : 21.4	7 : 11.0
Week - 3 Weeks	2 : 2.8	4 : 16.1	3 : 16.0	2 : 3.1
Month - 2 Months	1 : 1.4	12 : 48.4	0 : 0	5 : 7.8
Months - 5 Months	1 : 1.4	16 : 64.5	4 : 21.4	2 : 3.1
Months - 8 Months	4 : 5.7	19 : 76.6	3 : 16.0	2 : 3.1
Months - 11 Months	1 : 1.4	11 : 44.4	1 : 5.3	4 : 6.3
fantile Mortality Rate	19 : 27.06	81 : 326.6	15 : 80.2	22 : 34.4

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

European	:	6.8%
Native	:	35.8%
Coloured	:	28.8%
Asiatic	:	17.7%
All Non-European	:	29.4%
All Races	:	20.1%

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.	%
lnutrition	1	5.3	10	12.3	1	6.7	1	4.5	12	10.2
berculosis (All forms)	0	0	1	1.2	0	0	0	0	1	0.8
Gastro-Enteritis (under 2 yrs)	3	15.8	28	34.6	3	20.0	6	27.3	37	31.4
Bronchitis & Pneumonia	1	5.3	11	13.6	3	20.0	2	9.1	16	13.6
lformations	2	10.5	0	0	0	0	1	4.5	1	0.8
Congenital Debility	0	0	0	0	0	0	0	0	0	0
Prematurity	4	21.0	12	14.8	4	26.7	4	18.2	20	16.9
Injury at Birth	0	0	3	3.7	3	20.0	4	18.2	10	8.5
Convulsions	0	0	0	0	0	0	0	0	0	0
Whooping Cough	0	0	0	0	0	0	0	0	0	0
Syphilis	0	0	0	0	0	0	0	0	0	0
Diphtheria	1	5.3	0	0	0	0	0	0	0	0
Other specified Causes	7	36.8	10	12.3	1	6.7	4	18.2	15	12.6
Ill-defined causes	0	0	6	7.4	0	0	0	0	6	5.1
	19		81		15		22		118	

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	1	1	3	0	3	0	1	1	0	0	0	3	1	4
August	0	0	0	0	2	2	0	1	1	0	0	0	0	3	3
September	0	0	0	1	0	1	1	0	1	0	0	0	2	0	2
October	0	0	0	1	0	1	1	0	1	1	0	1	3	0	3
November	1	1	2	1	0	1	0	0	0	0	0	0	1	0	1
December	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	1	0	1	0	0	0	0	1	1	1	1	2
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
May	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
June	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
TOTAL :	1	2	3	8	3	11	2	3	5	2	1	3	12	7	19

PULMONARY TUBERCULOSIS DEATH RATES PER 1,000 POPULATION

European	:	0.09
Native	:	0.52
Coloured	:	1.37
Asiatic	:	0.16
All Non-European	:	0.43
All Persons	:	0.29

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	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
5 - 24 years	0	0	0	1	2	3	0	0	0	0	1	1	1	3	4
5 - 34 years	0	0	0	1	0	1	0	1	1	1	0	1	2	1	3
5 - 44 years	0	0	0	3	0	3	1	1	2	0	0	0	4	1	5
5 - 54 years	0	0	0	1	1	2	0	1	1	0	0	0	1	2	3
5 - 64 years	1	0	1	2	0	2	1	0	1	0	0	0	3	0	3
5 - 74 years	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
5 and Over	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
TAL :	1	2	3	8	3	11	2	3	5	2	1	3	12	7	19

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	1	0	1	0	0	0	0	0	0	1	0	1
August	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
February	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
March	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
TOTAL :	0	0	0	5	1	6	1	0	1	1	0	1	7	1	8

DEATH RATE PER 1,000 POPULATION

European	:	0.00
Native	:	0.28
Coloured	:	0.28
Asiatic	:	0.05
All Non-European	:	0.18
ALL PERSONS	:	0.17

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	1	0	1	0	0	0	0	0	0	1	0	1
1 - 2 years	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
2 - 4 years	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
5 - 14 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
5 - 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 34 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
5 - 44 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 54 years	0	0	0	1	1	2	0	0	0	1	0	1	2	1	3
5 - 64 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 74 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	0	0	6	1	7	1	0	1	1	0	1	8	1	9

CANCER

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	0	0	0	0	0	1	0	1	1	0	1
2 - 4 years	0	0	0	0	0	0	0	0	0	2	0	2	2	0	2
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	0	0	0	0	0	0
25 - 34 years	0	0	0	1	1	2	0	0	0	0	1	1	1	2	3
35 - 44 years	0	2	2	1	0	1	0	0	0	0	0	0	1	0	1
45 - 54 years	3	1	4	0	0	0	0	0	0	0	1	1	0	1	1
55 - 64 years	10	5	15	1	0	1	2	0	2	0	0	0	3	0	3
65 - 74 years	4	9	13	1	0	1	0	0	0	2	2	4	3	2	5
75 and Over	5	6	11	0	0	0	0	0	0	1	0	1	1	0	1
TOTAL :	22	23	45	4	1	5	2	0	2	6	4	10	12	5	17

DEATH RATES PER 1,000 POPULATION

European	:	1.41
Native	:	0.23
Coloured	:	0.55
Asiatic	:	0.53
All Non-European	:	0.39
ALL PERSONS	:	0.82

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 :-																
0. Buccal Cavity	0	0	0	0	0	0	0	0	2	0	0	0	1	1	0	0
1. Oesophagus	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
2. Stomach and Duodenum	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0
3. Rectum	0	0	0	0	0	0	0	0	1	0	1	0	3	1	0	0
4. Liver	0	0	0	0	0	0	1	0	3	1	1	0	0	0	1	1
5. Pancreas	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0
6. Other digestive organs (incl. peritoneum).	0	0	1	0	0	0	0	0	1	0	0	0	0	3	0	0
9. Lung	0	0	0	0	0	0	0	0	3	0	0	0	1	1	1	0
0. Uterus	0	0	0	0	0	1	0	1	0	1	0	0	0	1	0	1
1. Other female genital organs	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
2. Breast	0	0	0	0	0	0	0	0	0	2	1	0	0	2	0	0
3. Prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
5. Male and female Urinary organs	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
6. Skin	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
7. Brain and Other parts of nervous system	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Other and unspecified organs	0	0	1	0	0	0	0	1	1	2	0	0	0	1	1	0
TOTAL :	0	0	3	0	0	2	2	2	13	6	3	1	9	15	4	2

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	2	3	0	0	0	1	2	3	2	4	6
August	1	1	2	0	0	0	0	0	0	0	1	1	0	1	1
September	0	1	1	1	1	2	0	0	0	0	0	0	1	1	2
October	1	3	4	0	1	1	0	0	0	0	1	1	0	2	2
November	0	0	0	2	3	5	0	0	0	0	0	0	2	3	5
December	1	3	4	1	0	1	0	2	2	2	0	2	3	2	5
January	1	0	1	2	1	3	0	0	0	0	0	0	2	1	3
February	1	1	2	0	1	1	0	0	0	1	0	1	1	1	2
March	0	1	1	2	1	3	1	0	1	0	0	0	3	1	4
April	0	1	1	2	2	4	0	1	1	0	0	0	2	3	5
May	0	0	0	2	0	2	0	1	1	0	1	1	2	2	4
June	2	1	3	2	0	2	0	0	0	1	1	2	3	1	4
TOTAL :	7	12	19	15	12	27	1	4	5	5	6	11	21	22	43

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	5	6	11	0	3	3	1	1	2	6	10	16
1 - 2 years	0	0	0	2	4	6	0	0	0	1	1	2	3	5	8
2 - 4 years	0	0	0	0	0	0	0	0	0	0	2	2	0	2	2
5 - 14 years	0	0	0	1	0	1	0	0	0	0	1	1	1	1	2
15 - 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34 years	0	0	0	1	0	1	0	0	0	1	0	1	2	0	2
35 - 44 years	0	0	0	4	0	4	0	0	0	0	0	0	4	0	4
45 - 54 years	0	0	0	1	1	2	1	0	1	0	1	1	2	2	4
55 - 64 years	1	1	2	1	0	1	0	0	0	0	0	0	1	0	1
65 - 74 years	3	3	6	0	1	1	0	0	0	2	0	2	2	1	3
75 and Over	3	7	10	0	0	0	0	1	1	0	0	0	0	1	1
TOTAL :	7	12	19	15	12	27	1	4	5	5	6	11	21	22	43

Bronchitis	0	0	0	0	0	0	0	0	0	2	1	3	2	1	3
Pneumonia	7	12	19	15	12	27	1	4	5	3	5	8	19	21	40
TOTAL :	7	12	19	15	12	27	1	4	5	5	6	11	21	22	43

DEATH RATES PER 1,000 POPULATION

BRONCHITIS : Code Nos. 402 - 403.		PNEUMONIA : Code Nos. 404 - 406.	
European :	0.0	European :	0.60
Native :	0.0	Native :	1.26
Coloured :	0.0	Coloured :	1.37
Asiatic :	0.16	Asiatic :	0.42
All Non-European :	0.07	All Non-European:	0.91
All Persons :	0.04	All Persons :	0.78

DISEASES OF THE HEART AND CIRCULATORY SYSTEM

(Code Nos. 350 - 368)

DEATH 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
nder 1 year	0	1	1	1	0	1	0	0	0	0	0	0	1	0	1
- 2 years	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
- 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 14 years	1	1	2	0	1	1	0	0	0	1	1	2	1	2	3
- 24 years	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
- 34 years	0	0	0	1	1	2	0	1	1	0	4	4	1	6	7
- 44 years	1	1	2	1	0	1	0	1	1	0	1	1	1	2	3
- 54 years	8	2	10	2	2	4	3	1	4	2	0	2	7	3	10
- 64 years	15	3	18	3	2	5	3	0	3	4	3	7	10	5	15
- 74 years	21	12	33	4	1	5	0	0	0	6	1	7	10	2	12
and Over	20	18	38	0	1	1	1	2	3	4	0	4	5	3	8
TAL :	66	38	104	15	9	24	7	5	12	17	10	27	39	24	63

DEATH RATE (PER 1,000 POPULATION)

European	:	3.27
Native	:	1.23
Coloured	:	3.30
Asiatic	:	1.43
All Non-European	:	1.44
All Persons	:	2.21

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	2	0	2	0	0	0	1	1	2	3	1	4
August	0	1	1	0	1	1	0	0	0	0	0	0	0	1	1
September	0	1	1	1	1	2	0	0	0	0	0	0	1	1	2
October	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
November	1	0	1	2	3	5	1	0	1	0	1	1	3	4	7
December	1	0	1	5	3	8	0	0	0	0	0	0	5	3	8
January	0	0	0	4	3	7	1	1	2	1	0	1	6	4	10
February	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
March	0	0	0	2	1	3	0	0	0	0	0	0	2	1	3
April	0	0	0	3	2	5	0	0	0	1	0	1	4	2	6
May	0	0	0	2	2	4	0	1	1	1	1	2	3	4	7
June	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	3	2	5	22	18	40	2	2	4	4	3	7	28	23	51

DISTRICTS OF RESIDENCE OF CASES OF ENTERIC FEVER AND TUBERCULOSIS

	Notifications of Enteric Fever	Deaths from Tuberculosis
N. Burg Central	31	18
artkop Valley	7	-
ubley	13	-
cottsville (in water supply area)	17	1
cottsville (outside water supply area)	-	-
untain Rise	2	1
ntrich (in water supply area)	3	-
ntrich (outside water supply area)	-	-
ase and Town Bush Valleys	3	-
bantu Village	7	4
thorn's Hill	-	1
siatic Housing Scheme	2	-
isethorpe	2	3
able to trace residence	-	-
TAL :	87	28

TUBERCULOSIS CLINIC

July 1st, 1952 to June 30th, 1953.

	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	137	135	14	13	253	130	126	65	47	70	2	1	218	165	25	16	655	500	167	95
Total Attendances	398	428	47	42	893	410	314	129	212	257	2	6	1348	614	88	37	2851	1709	451	214
Sputa Examined	26	10	1	-	38	5	22	6	7	8	-	-	106	9	17	2	177	32	40	8
Sputa Positive	2	1	-	-	2	-	3	1	-	1	1	-	5	-	6	1	9	2	10	2
X-Ray Examinations	208	234	24	17	319	193	148	62	68	97	2	-	420	253	32	16	1015	777	206	95
X-Ray Positive	31	33	8	6	73	47	44	16	21	20	-	-	120	29	9	3	245	129	61	25
Positive Diagnosis made	3	-	-	1	6	11	20	10	3	4	-	-	9	7	6	1	21	22	26	12
Adm. to Non-Eur. Inf. Dis. Hosp. from Clinic	-	-	-	-	2	-	5	1	-	1	-	1	-	1	-	-	2	2	5	2
Contacts Examined	46	62	12	7	102	56	11	13	26	43	-	-	135	121	6	4	309	282	29	24

	EUROPEAN	NATIVE	COLOURED	ASIATIC	TOTAL
Home Visits to Tuberculotics and their contacts (Borough cases only)	461	1,633	253	1,172	3,519

VENEREAL DISEASE

CLINIC ATTENDANCES FOR THE YEAR ENDING 30th JUNE, 1953.

EUROPEAN (for key see page 57)	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													2																2			
2					1								1																2			
3														4																4		
4																																
5	1				1								16	13											2				20	13		
6																																
7																																
8						2							1	10															1	12		
9	1																												7			
10																																
11																																
12																																
13																																
14																																
15																																
16																																
17					1																								1			
18																																
Total :	2				3	2							20	27											2				33	29		

19. Discharged on Probation. Borough : Males 0 Females 0 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, 1953.

NATIVE (for key see page (57)	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		2						19	6	7	7	99	8	6	28	18	1		6	5			1	4		3		146	15	18	42
2	11	4	10	9	1		2		41	8	19	22	124	26	25	49	19	10	6	2	7			4	19	2			236	51	62	86
3	2	6	4	19		1		2	23	28	15	63	151	110	36	175	36	29	3	19	24	18	1	26	31	4		11	293	200	59	320
4					1				6		1		48	2	5	1	10	2			14					4			79	9	6	1
5	1	4	2	3	23	25	8	31	58	144	20	221	518	886	94	841	98	176	2	114	147	117	1	56	108	134	2	17	1009	1521	134	1294
6									1				3	6		13													4	7		13
7	1		1		3		1		4	3	2	2	14	24	21	23				11									22	27	25	36
8			1						1	1			15		4					1				7					16	1	5	8
9	1		3		1		4		20	7	10	8																	96	24	25	38
10																																
11									1																				1			
12			1						2	2																			9	3	2	
13	1								1	1																			7	1	2	
14																																
15		1	2	2			1		3	5	5	2																	12	10	26	12
16																																
17	1	1	2	1	26	36	54	52	11	12	12	14																	142	166	196	198
18					1				6	1	5	3																	10	2	8	7
TOTAL :	19	16	28	34	56	62	70	85	197	218	96	342	972	1062	191	1130	181	218	11	153	197	135	2	94	162	144	5	28	2082	2037	568	2055

19. Discharged on Probation : Borough : Male 494 Female 370 O/Borough : Male 113 Female 403

20. Discharged Finally : " : Male 49 Female 41 " : Male 8 Female 58

VENEREAL DISEASE Cont'd.

CLINIC ATTENDANCES FOR THE YEAR ENDING 30th JUNE, 1953.

COLOURED (for key see page 57)	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																																
2	3	1			1				5	4		1	37	7		4		1											46	13		5
3				2					1			1	5	9								1				8			6	18		3
4																																
5						1			2	16		3	14	162		20	9	12			8	36			4	40		3	38	280		26
6																																
7					1								3	4			1												5	4		
8									1	1			1	3												2			2	6		
9																													6	3		
10																																
11																																
12																																
13																																
14																																
15										1																				7		
16																																
17					2	1		2	3	5																			32	31		10
18										3																				8		
TOTAL :	3	1		2	4	2		2	12	30		5	60	185		24	10	13			8	37			4	50		3	135	370		44

19. Discharged on Probation : Borough : Male 30 Female 39 O/Borough : Male 0 Female 5

20. Discharged Finally : " : Male 4 Female 11 " : Male 0 Female 1

VENEREAL DISEASE Cont'd.

CLINIC ATTENDANCES FOR THE YEAR ENDING 30th JUNE, 1953.

ASIATIC (for key) (see page) (57)	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																																
2	2								4				15													12				13		
3		1											4	12											8				29			
4											1	1			4														4	13		
5					8	3			4	20			48	202		7		31				15		1	3	16					5	1
6																1		1						1					72	305		8
7					2				1				16	2		1		2			2									1		2
8					2				1				29	20		9		5		8		12		4		10		5	21	11		1
9									5																				32	47		26
10																													14	20		1
11						1																								4		
12																														1		
13																																
14																																
15																																
16																																
17					4	9			11	15																						
18					7				4																				55	61		
																													26			
TOTAL :	2	1			23	13			25	35	1	1	112	236	4	18		39		8	2	27		6	11	38		5	253	476	5	39

19. Discharged on Probation : Borough : Male 55 Female 37 O/Borough : Male 1 Female 1

20. Discharged Finally : " : Male 23 Female 19 " : Male 0 Female 0

V.D. CLINIC DEFAULTER INVESTIGATIONS

	EUROPEAN		NATIVE		COLOURED		ASIATIC	
	M	F	M	F	M	F	M	F
TAL DEFAULTERS INVESTIGATED	28	24	453	293	76	193	145	184
ABLE TO TRACE	-	-	73	77	-	1	1	2
FUSED TO RETURN	14	8	131	99	37	60	29	50
TURNED TO CLINIC	14	16	249	117	39	132	115	132
. OF VISITS	35	28	453	293	95	237	159	205
TURNED TO CLINIC								
At Request of Health Visitor or Native Health Assistant.								
1) Following personal visits	14	16	249	117	39	132	115	132
2) Following letters	-	-	-	-	-	-	-	-
3) Following telephone calls	-	-	-	-	-	-	-	-
4) Traced through Pass Office Records	-	-	9	7	-	-	-	-
5) Following accidental encounter	-	-	2	10	-	-	-	-
Supplementary Visits by Health Visitor (in case of Native Health Assistants).								
1) Defaulter Visited	-	-	1	13	-	1	-	-
2) Employer telephoned	-	-	-	2	2	-	1	-
3) Employer visited	-	-	64	19	2	3	9	-
REASONS FOR DEFAULTING.								
No reason	6	5	164	75	17	43	50	85
Unable to pay transport	-	-	9	9	2	2	-	1
Left City	2	1	13	14	7	10	1	3
Illness	1	4	4	-	-	6	18	4
Hours of work prevent attendance:	-	-	6	5	-	-	-	2
Prefer morning Clinic	-	-	1	-	-	1	-	-
Prefer evening Clinic	-	-	-	-	-	-	-	-
Prefer afternoon Clinic	-	-	-	-	-	-	-	-
Prefer Saturday morning Clinic	-	-	3	-	-	-	-	-
Thought himself cured	-	-	32	9	3	2	1	1
Races not separated enough at Clinic	-	-	-	2	-	-	-	-
Clinic not private enough	-	-	-	1	-	-	-	-
Other reasons	18	14	51	15	36	50	68	63

VENEREAL DISEASE Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS

YEAR ENDING 30th JUNE, 1953.

NATIVE (for key) (see page) (57)	A In Hospital last day of preceding year				B Admitted from Pass Office and 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/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		3		4		32	5	49	19	27	4	47	17	6	1	7	2												
2	1	1	1		3		4		24	8	76	48	20	8	60	46	7	1	17	1												
3		1	3	6			1		21	28	81	141	16	24	51	137	5	5	32	10			1									
4											3	2			1				1	1				1								
5		2		2			1		17	17	20	58	14	17	19	55	2	1	2	1				1								
6									1				1																			
7			1	1					2	1	9	6	1	1	10	7	1															
8									1		4	7	1		3	7			1													
9			1		2		2		25	4	41	21	26	4	43	20			1					1								
10																																
11									1			1	1			1																
12									5	2	2		5	2	1				1													
13									1				1																			
14																																
15		2			4		3		8	5	17	11	10	4	15	9	2	2	5	2		1										
16																			1													
17					1				3	1	29	47	4		26	45		1	1	1			1									

No. of admissions during Year:

	Borough Males	Borough Females	O/Borough Males	O/Borough Females
No. of individuals admitted during year.	143	63	332	349
No. of individuals discharged, etc. during year.	138	62	325	344

	Borough Male	Borough Female	O/Borough Male	O/Borough Female
No. of Patients suffering from 2 or more Venereal Diseases.	13	13	21	21

VENEREAL DISEASE Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS

YEAR ENDING 30th JUNE, 1953.

COLOURED (for key) (see page) (57)	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/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					1													
2									2	1	2	4	1	1	1	4	1						1									
3												1				1																
4																																
5									1				1																			
6																																
7																																
8																																
9											1				1																	
10																																
11																																
12																																
13																																
14																																
15									1	1			1	1																		
16																																
17												1				1																

No. of admissions during Year:

	Borough Males	Borough Females	O/Borough Males	O/Borough Females
No. of individuals admitted during the year.	4	3	4	6
No. of individuals discharged during the year.	4	3	4	6

	Borough Males	Borough Females	O/Borough Males	O/Borough Females
No. of Patients suffering from 2 or more Venereal Diseases.	1	0	0	0

VENEREAL DISEASE Cont'd.

EPIDEMIC (V.D.) HOSPITAL RETURNS
YEAR ENDING 30th JUNE, 1953.

ASIATIC (for key) (see page) (57)	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/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									2				2																			
2											1				1																	
3										1				1																		
4																																
5										1				1																		
6																																
7																																
8																																
9									1	1			1	1																		
10																																
11																																
12																																
13																																
14																																
15																																
16																																
17																																

No. of admissions during Year:

	Borough Male	Borough Female	O/Borough Male	O/Borough Female
No. of individuals admitted during the year	3	2	1	0
No. of individuals discharged during the year	3	2	1	0

	Borough Male	Borough Female	O/Borough Male	O/Borough Female
No. of Patients suffering from 2 or more Venereal Diseases.	0	1	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 : 17 FEMALE : 13 TOTAL : 30.

VENEREAL DISEASE HOME VISITS

European	Native	Coloured	Asiatic	Total
M : F	M : F	M : F	M : F	M : F : PERSONS
37 : 31	1331 : 790	105 : 217	188 : 237	1661 : 1275 : 2936

VENEREAL DISEASE Cont'd.

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

YEAR ENDING 30th JUNE, 1953.

	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	6							100	196	8	1	14	1
No. of Positive or Doubtful Reactors											3	5							98	193	8	1	11	1
No. of those who had previously received treatment				2	2						1	1			1				11	19	2			
No. undergoing a First Course of treatment during pregnancy											1								51	96	1		1	
No. undergoing a 2nd or 3rd Course of treatment during pregnancy													1		1				7	1	1			

ISOLATION HOSPITAL (EUROPEAN) AND NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL CASES ADMITTED JULY 1st, 1952 to JUNE 30th, 1953.

	Borough Cases					Out-of-Borough Cases					Total Cases Borough and Out-of-Borough
	E	N	C	A	Total	E	N	C	A	Total	
rlet Fever	13	-	-	-	13	3	-	-	-	3	16
asles	36	17	-	-	53	3	19	1	-	23	76
phtheria	19*	9	2	4	34	9	51	1	1	62	96
ps	15	3	-	-	18	4	2	-	-	6	24
oping Cough	7	4	-	-	11	2	12	1	-	15	26
icken Pox	20	4	-	-	24	-	3	-	-	3	27
S. Fever	6	1	-	-	7	-	4	-	-	4	11
rman Measles	4	-	-	-	4	-	-	-	-	-	4
asles and Pulmonary T.B.	-	1	-	-	1	-	-	-	-	-	1
asles and Whooping Cough	-	-	-	-	-	-	2	-	-	2	2
lmonary Tuberculosis	1	20	10	16	47	-	27	1	3	31	78
B. Meningitis and Chicken Pox	-	-	-	-	-	-	1	-	-	1	1
ralytic Poliomyelitis	2	-	-	-	2	-	6	-	-	6	8
n-Paralytic Poliomyelitis	3	-	-	-	3	1	-	-	1	2	5
phoid Fever	21	2	-	-	23	4	-	-	-	4	27
phoid Carrier	-	1	-	-	1	-	1	-	-	1	2
arder	-	-	-	-	-	-	3	-	-	3	3
onchitis	-	1	-	-	1	-	-	-	-	-	1
oebic Dysentery	-	1	-	-	1	-	-	-	-	-	1
oebic Dysentery and Mumps	-	-	-	-	-	-	1	-	-	1	1
TAL :	147	64	12	20	243	26	132	4	5	167	410

* Includes 3 "Carriers".

ISOLATION HOSPITAL AND NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL

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

BOROUGH CASES.

In 4 cases (Eur.) diagnosis Scarlet Fever altered to Measles.
In 3 cases (Eur.) diagnosis Diphtheria altered to Diphtheria carrier.
In 13 cases (7 Eur., 2 Nat., 2 Col., 2 As.) diagnosis Diphtheria altered to Tonsillitis.
In 1 case (Eur.) diagnosis Diphtheria altered to "Croup".
In 1 case (Nat.) diagnosis Diphtheria altered to Thrush.
In 1 case (As.) diagnosis Diphtheria altered to Diphtheroids.
In 1 case (Eur.) diagnosis Mumps altered to Cervical Adenitis.
In 1 case (Eur.) diagnosis C.S. Meningitis altered to Bacillary Dysentery.
In 1 case (Eur.) diagnosis C.S. Meningitis altered to Aseptic Meningitis.
In 1 case (Eur.) diagnosis C.S. Meningitis altered to Tonsillitis.
In 1 case (Eur.) diagnosis C.S. Meningitis altered to P.U.O.
In 1 case (Eur.) diagnosis Meningitis altered to Otitis Media.
In 1 case (Nat.) diagnosis Whooping Cough altered to Malnutrition.
In 1 case (Nat.) diagnosis Whooping Cough altered to Bronchitis and Pneumonia.
In 1 case (Eur.) diagnosis German Measles altered to Glandular Fever.
In 1 case (Eur.) diagnosis Poliomyelitis altered to Influenza.
In 1 case (Eur.) diagnosis Poliomyelitis altered to Osteomyelitis.
In 1 case (Eur.) diagnosis Non-Paretic Poliomyelitis altered to Typhoid Fever.
In 3 cases (2 Eur., 1 Nat.) diagnosis Typhoid Fever was altered to P.U.O.
In 2 cases (Eur.) diagnosis Typhoid Fever was altered to Follicular Tonsillitis.

OUT-OF-BOROUGH CASES.

In 1 case (Nat.) diagnosis Chicken Pox altered to "Allergic Rash".
In 2 cases (Nat.) diagnosis Chicken Pox altered to Pemphigus.
In 2 cases (Nat.) diagnosis Whooping Cough altered to Bronchitis.
In 1 case (Nat.) diagnosis Whooping Cough altered to Lupus Vulgaris.
In 2 cases (Nat.) diagnosis Diphtheria altered to P.U.O.
In 1 case (Eur.) diagnosis Diphtheria altered to Laryngitis.
In 1 case (Nat.) diagnosis Diphtheria altered to Pneumonia.
In 12 cases (5 Eur., 7 Nat.) diagnosis Diphtheria altered to Tonsillitis.
In 1 case (Nat.) diagnosis Diphtheria altered to Croup.
In 1 case (Nat.) diagnosis Diphtheria altered to Broncho Pneumonia.
In 1 case (Eur.) diagnosis Measles altered to "Observation".
In 1 case (Nat.) diagnosis Measles altered to Bronchitis.
In 1 case (Nat.) diagnosis Meningitis altered to Typhoid Fever.
In 1 case (Nat.) diagnosis Meningitis altered to Influenza.
In 1 case (Nat.) diagnosis Mumps altered to Cellulitis of Neck.
In 1 case (Nat.) diagnosis Poliomyelitis altered to Syphilis.
In 1 case (Eur.) diagnosis Poliomyelitis altered to "Encephalitis".
In 1 case (Nat.) diagnosis Poliomyelitis altered to Hemiplegia.
In 1 case (Eur.) diagnosis Scarlet Fever altered to Measles.
In 1 case (Eur.) diagnosis Typhoid Fever altered to Acute Abdomen.

INFANT WELFARE

1. INFANT CLINICS

	European	Native	Coloured	Asiatic
W CASES:				
Under 1 Year	492	386	174	451
Over 1 Year	20	28	21	16
TENDANCES:				
Under 1 Year	7,475	3,359	1,438	4,338
Over 1 Year	736	1,756	483	1,242
TOTAL :	8,211	5,115	1,921	5,580
mber on Register	943	507	339	738
erage Attendance per person	8.7	10.1	5.6	7.5

2. HOME VISITS

	European	Native	Coloured	Asiatic	Total
te-Natal	0	6	9	13	28
irst Visits - (Notified Births)	581	207	206	604	1,598
-visits - under 1 year	914	1,795	971	1,538	5,218
-visits - over 1 year	598	1,286	1,961	3,794	7,639
nfectious Disease (Non-T.B.)	350	51	4	38	443
rotected Infants	1	15	4	9	29
diculosis and Scabies Visits	3	0	0	0	3
onfinement Visits	0	192	0	0	192
nfantile Mortality Visits	18	14	8	15	55
ursing Home Visits	0	0	0	0	0
ther Home Visits (Housing Investigations, etc.)	14	0	48	0	62
OTAL :	2,479	3,566	3,211	6,011	15,267

3. MILK DISTRIBUTED

	European	Native	Coloured	Asiatic	Total
resh - Pints	2,798	9,333	5,386	11,830	29,347
ried - lbs.	0	43	97	114	254

FOODSTUFFS

SAMPLES TAKEN AND SUBMITTED FOR ANALYSIS

1. MILK.

(a) Bacteriological Examination.

Samples with less than 30,000 bacteria per c.c.	:	27 (inc. 6 Pasteurised)
Samples with between 30,000 and 200,000 bacteria per c.c.	:	28
Samples with more than 200,000 bacteria per c.c.	:	59 (inc. 1 Pasteurised)
TOTAL	:	114 (inc. 3 Pasteurised)
Samples with B. Coli present in 1/100 c.c. or less	:	66 (inc. 2 Pasteurised)
Samples with B. Coli present in 1/10 but not in 1/100 c.c.	:	28 (inc. 3 Pasteurised)
Samples with B. Coli absent in 1/10 c.c. or more	:	20 (inc. 2 Pasteurised)
TOTAL	:	114

(b) Chemical Examination (By Government Analyst).

Samples with Solids-Not-Fat 8.5% and over	:	2
Samples with Solids-Not-Fat over 8% and under 8.5%	:	1
Samples with Solids-Not-Fat below 8%	:	0
TOTAL	:	3
Samples with Butter Fat 3% and over	:	3
Samples with Butter Fat under 3%	:	0
TOTAL	:	3

(c) Phosphatase Testing of Pasteurised Milk.

Samples sufficiently heat treated	:	75
Samples not sufficiently heat treated	:	1
TOTAL	:	76

2. ICE CREAM.

Samples of Ice Cream conforming to standard	:	2
Samples of Ice Cream not conforming to standard	:	0
TOTAL	:	2

3. SAUSAGE.

Samples of Sausage conforming to standard	:	2
Samples of Sausage not conforming to standard	:	0
TOTAL	:	2

4. MINCE MEAT.

Samples of Mince Meat conforming to standard	:	16
Samples of Mince Meat not conforming to standard	:	0
TOTAL	:	16

5. CREAM. ...../

C O D S T U F F S

MACHINE SAMPLE AND DETERMINED FOR ANALYSIS.

MILK.

(a) Bacteriological Examination.

Samples with less than 20,000 bacteria per c.c. : 27 (inc. 6 Bacteria)

Samples with between 20,000 and 200,000 bacteria per c.c. : 26

Samples with more than 200,000 bacteria per c.c. : 29 (inc. 1 Bacteria)

TOTAL : 112 (inc. 7 Bacteria)

Samples with T. Coli present in 1/100 c.c. or less : 26 (inc. 2 Bacteria)

Samples with T. Coli present in 1/20 but not in 1/100 c.c. : 28 (inc. 3 Bacteria)

Samples with T. Coli absent in 1/20 c.c. or more : 20 (inc. 2 Bacteria)

TOTAL : 114

(b) Chemical Examination (Preservative Analysis).

Samples with Solids-Not-Fat 8.5% and over : 2

Samples with Solids-Not-Fat over 8% and under 8.5% : 1

Samples with Solids-Not-Fat below 8% : 0

TOTAL : 3

Samples with Butter Fat 3% and over : 3

Samples with Butter fat under 3% : 0

TOTAL : 3

(c) Preservative Tests, Re-Sampled Milk.

Samples sufficiently heat treated : 25

Samples not sufficiently heat treated : 1

TOTAL : 26

ICE CREAM.

Samples of Ice Cream conforming to standard : 2

Samples of Ice Cream not conforming to standard : 1

TOTAL : 3

BUTTER.

Samples of Butter conforming to standard : 2

Samples of Butter not conforming to standard : 0

TOTAL : 2

HONEY SAMPLES.

Samples of Honey found conforming to standard : 30

Samples of Honey found not conforming to standard : 0

TOTAL : 30

FOODSTUFFS Cont'd.

5. CREAM.

Samples of Cream conforming to standard	:	7
Samples of Cream not conforming to standard	:	0
TOTAL	:	7

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	333
1	22
2	8
3	3
8	1
TOTAL :	367

MUNICIPAL SWIMMING BATHS.

Probable No. of Organisms in 100 c.c.	No. of Samples
0	28
TOTAL :	28

OTHER SWIMMING BATHS.

Probable No. of Organisms in 100 c.c.	No. of Samples
0	9

OTHER SAMPLES TAKEN.

Probable No. of Organisms in 100 c.c.	No. of Samples
16	2
TOTAL	2

FOODSTUFFS CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION

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

Apples	1 box.
Apricots	15 trays.
Almond Icing	1 packet.
Beans - Green	3 pockets, 19 bags.
Beans - Dry	110 lbs.
Biscuits	3 pkts.
Beef Extract and Spreads	4 jars.
Bacon, sliced	1 lb.
Bread Crumbs	6 pkts.
Curry Powder	53 pkts.
Chutney	10 bottles.
Custard Powder	10 tins.
Corn Flour	8 pkts.
Coffee	1 pkt.
Coffee Essence	2 bottles.
Chevier	1 tin.
Cocoa	2½lbs.
Corned Beef	20 lbs.
Chocolax	3 pkts.
Cereals	73 pkts.
Cake Meal	1 pkt.
Cream	3 tins.
Carrots	5 pockets.
Cheese	½ lb.
Cabbages	10 bags.
Cucumbers	11 trays.
Ducks	5
Essences and Extracts	50 bottles.
Eggs	146¾ doz.
Fowls, live	7
Fowls, dressed	26
Fish Paste	13 jars.
Fish, tinned	310 tins.
Fish (fresh)	432 lbs.
Fruit (tinned)	234 tins.
Fruit (dried)	187 lbs.
Flour	45 lbs.
Giblets	2 parcels.
Gherkins	2 bottles.
Gravies	10 pkts., 1 tin.
Guinea Fowls	12
Ginger, preserved	3 bottles and 7 tins.
Glucose	1 tin.
Honey	1 bottle.
Hares	2
Instant Postum	1 tin.
Infant Foods	7 tins.
Jam	203 tins.
Jelly Powder	6 pkts.
Lemon Curd	9 bottles.
Litchies	3 trays.
Mayonnaise	10 bottles.
Medicines	22 bottles.
Milk, dried	2 lbs. 3 bottles.
Milk, condensed	82 tins.
Milk, malted	6 bottles.
Macaroni	2 pkts.
Matzo Meal	4 pkts.
Mealie Meal	5 lbs.
Maltabella	9 tins.
Meat (Potted)	1 tin, 1 jar.

Meat (tinned) ...../

FOODSTUFFS CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION Cont'd.

Meat (tinned)	125 tins.
Meat (fresh)	1 lb. pork sausage.
Meat (extract)	1 jar.
Mushrooms	1 tin.
Mustard Powder	5 bottles.
Mangoes	58 trays.
Maizena	1 pkt.
Miscellaneous	12 pkts.
Nescafe	1 tin.
Olives	2 bottles.
Orange Juice	1 tin.
Onions	1 pocket.
Oats	47 pkts.
Pearl Barley	1 pkt.
Pears	7 trays.
Peaches	20 trays, 7 boxes, 13 baskets.
Potatoes	3 bags, 21 pockets.
Peaflour	2 lbs.
Pickles	54 bottles.
Peanut Butter	30 bottles.
Peanuts	24 tins.
Pastry	1 pkt.
Peas	1 tray, 18 pockets.
Prunes	1 pocket.
Plums	80 trays.
Rice	2 lbs.
Rusks	79 pkts.
Relish	1 bottle.
Syrup	3 tins.
Spaghetti	21 tins, 1 lb.
Salad Cream	3 bottles.
Sandwich spreads	21 jars.
Sauce	3 bottles.
Sugar	2 pockets.
Squash	12 bottles.
Soup powders	104 pkts.
Sponspack	28
Sauer Kraut	1 tin.
Tomato and Mayonnaise	1 bottle.
Tomato Sauce	11 bottles.
Tomato Paste	19 tins.
Tomatoes	36 trays.
Unlabelled Packages	75 tins.
Vegetables (tinned)	165 tins.
Vinegar	1 bottle.
Watermelons	187
Weetbix	1 pkt.
Xmas Puddings	3
Yeast	3 cartons.

ABATTOIR

1. ANIMALS SLAUGHTERED:

Cattle	:	11,438
Calves	:	2,345
Sheep	:	35,268
Pigs	:	2,470
Goats	:	147
TOTAL	:	51,668

2. ANIMALS EXAMINED AFTER SLAUGHTER IN OTHER ABATTOIRS:

Quarters of Beef	:	8,838
Carcases Mutton	:	4,110
Carcases Pork	:	392
Carcases Veal	:	-
Carcases Goat	:	-

3. INCIDENCE OF CERTAIN DISEASES:

	Carcases Examined	% Infected	Carcases Condemned	% Condemned
TTLE - "Measles" (Cysticercus Bovis)	11,438	7.03%	72	.62%
LVES - "Measles" (Cysticercus Bovis)	2,345	4.64%	24	1.02%
GS - "Measles" (Cysticercus Cellulosae)	2,470	1.65%	30	1.21%
TTLE - Tuberculosis	11,438	0.29%	8	0.07%
LVES - Tuberculosis	2,345	-	-	-
GS - Tuberculosis	2,470	2.35%	5	0.20%

4. SUMMARY OF MEAT CONDEMNED:

	Carcases	Approx. Weight
BEEF:	156	71,105 lbs.
BEEF: Portions of Carcases, Organs, etc.	-	98,700 lbs.
VEAL:	65	3,020 lbs.
VEAL: Portions of Carcases, Organs, etc.	-	600 lbs.
PORK:	38	6,020 lbs.
PORK: Organs, etc.	-	2,540 lbs.
MUTTON:	42	1,170 lbs.
MUTTON: Organs, etc.	-	49,790 lbs.
GOAT:	-	-
GOAT: Organs, etc.	-	-
		232,945 lbs.

ABAKTOLIN

1. ANIMAL SLAUGHTERING:

Cattle	:	11,438
Calves	:	2,345
Sheep	:	35,268
Pigs	:	2,470
Goats	:	127
TOTAL	:	51,648

2. ANIMALS EXAMINED AGAINST SLAUGHTER IN OTHER ABATTOIRS:

Quarters of Beef	:	8,392
Carcases Mutton	:	4,120
Carcases Pork	:	372
Carcases Veal	:	-
Carcases Goat	:	-

3. DISPOSAL OF CERTAIN ORGANS:

	Carcases Examined	% Infected	Carcases Condemned	% Condemned
"Measles" (from Beef)	11,438	7.05%	72	.63%
"Measles" (from Pork)	2,345	4.64%	24	1.02%
"Measles" (from Cattle/Pork)	2,470	1.65%	30	1.215%
Tuberculosis	11,438	0.25%	6	0.052%
Septicaemia	2,345	-	-	-
Tuberculosis	2,470	2.35%	5	[illegible]

4. DISPOSAL OF MEAT CONDEMNED:

	Carcases	Approx. Weight
BEEF:	156	72,305 lbs.
BEEF: Portions of Carcases, Organs, etc.	-	34,300 lbs.
PORK:	69	3,020 lbs.
PORK: Portions of Carcases, Organs, etc.	-	600 lbs.
PORK:	38	6,020 lbs.
PORK: Organs, etc.	-	2,340 lbs.
MUTTON:	42	1,120 lbs.
MUTTON Organs, etc.	-	45,720 lbs.
GOAT:	-	-
GOAT: Organs, etc.	-	-

ABATTOIR Cont'd.

MEAT CONDEMNED (Approximate Weight)

Statement of Carcases and Meat found to be affected with disease and unfit for human consumption : 1.7.52 - 30.6.53.

	BOVINES			PIGS			SHEEP AND GOATS		
		Condemned			Condemned			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	36	-	1,400	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-	-
Measles (Veal)	109	24	450	-	-	-	-	-	-
Measles (Beef)	814	72	74,000	41	30	50	-	-	-
Lumpy Skin Disease (Beef)	-	-	-	-	-	-	-	-	-
Lumpy Skin Disease (Veal)	-	-	-	-	-	-	-	-	-
Lymphadenitis	-	-	-	-	-	-	6	6	-
Malignant Tumours	13	13	-	-	-	-	1	1	-
Mammitis	3	3	-	-	-	-	1	1	-
Metritis	-	-	-	-	-	-	-	-	-
Peritonitis	4	4	-	-	-	-	-	-	-
Pneumonia - Veal	-	-	-	-	-	-	-	-	-
Pneumonia - Beef	2	2	-	-	-	-	2	2	-
Pyaemia - Veal	9	9	-	-	-	-	-	-	-
Pyaemia - Beef	2	2	-	1	1	-	-	-	-
Sarcocysts	2	2	-	-	-	-	-	-	-
Septicaemia	1	1	-	-	-	-	-	-	-
Septicaemia - Veal	-	-	-	-	-	-	-	-	-
Tuberculosis	32	8	1,100	58	5	640	-	-	-
Nephritis	-	-	-	-	-	-	-	-	-
Stepharanus Dentata	-	-	-	1	1	-	-	-	-
Anaemia	-	-	-	-	-	-	-	-	-
Bruising - Veal	1	1	-	-	-	-	-	-	-
Bruising	14	14	3,770	-	-	-	1	1	-
Decomposition	-	-	450	-	-	-	-	-	-
Oedema	1	1	-	-	-	-	-	-	-
Onchocerca	1	1	-	-	-	-	-	-	-
Severed - Veal	-	-	-	-	-	-	-	-	-
Severed - Beef	2	2	-	1	1	-	7	7	-
Toxaemia	1	1	-	-	-	-	-	-	-
Toxaemia - Veal	-	-	-	-	-	-	-	-	-
Emaciation - Veal	22	22	-	-	-	-	-	-	-
Emaciation - Beef	28	28	-	-	-	-	22	22	-
Immaturity - Veal	2	2	-	-	-	-	-	-	-
Jaundice - Veal	7	7	-	-	-	-	-	-	-
Jaundice - Beef	1	1	-	-	-	-	2	2	-
Bilesia Hepatica, Fluke, Abscesses, Nodular Worms, etc.	-	-	-	-	-	-	-	-	-
- Beef	-	-	19,380	-	-	1,850	-	-	49,798
- Veal	-	-	150	-	-	-	-	-	-
Urticaria	-	-	-	-	-	-	-	-	-
Mange	-	-	-	-	-	-	-	-	-

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
Applications Received	4	158	13	70	81	231	7	1	197	5	243	63	5
Applications Approved	4	153	10	52	70	192	6	1	180	3	201	56	3
Applications Subject to Requirements	-	5	3	16	10	37	-	-	16	2	42	6	1
Applications Refused	-	-	-	2	1	2	1	-	1	-	-	1	1

Key to Table:-

1. Apothecary.
2. Boarding Houses, Butchers and Building Contractors.
3. Cobbler and Contractor.
4. Depot, Dressmaker and Dry Cleaner.
5. Fresh Produce Dealer, Fumigator, Flats, Furniture Manufacturer.
6. General Dealer.
7. Hairdresser, Hotel Keeper.
8. Jeweller.
9. Manufacturer, Mineral Water Dealer, Milk Purveyor, Motor Garage, Miller, Music Hall.
10. Native Eating Houses.
11. Pedlar, Parking of Vehicles, Patent and Proprietory Medicines, Photographer, Public Entertainment, Plumbing Contractor.
12. Refreshment Room, Refrigeration.
13. Sawmill, Shoe Fitting, Storage of Mineral Oils and Spirits.

(2) Applications dealt with under Urban Areas Act.

Applications Received 193
Applications Returned "Not in Order"..... 11
Applications Approved Subject to Conditions. 32
Applications Approved for Temporary Licence.150

SANITATION

Total of Inspections (General) carried out	17,901
Total of Rodent Inspections	1,984
Total of Notices and Letters served re Contravention of By-Laws	2,106

INSPECTIONS (GENERAL) GIVEN IN DETAIL 1.7.52 to 30.6.53.

1.	Public Markets	326
2.	Butchers' Shops	243
3.	Dealers and General Dealers (Food)	931
4.	Dealers and General Dealers (No Food)	405
5.	Fish and Poultry Shops	21
6.	Food Sampling	170
7.	Bakehouses	58
8.	Milkshops (Purveyors of Milk)	240
9.	Ice Cream (Distributors and Manufacturers of)	2
10.	Tea Shops, Cafes, Restaurants and Eating Houses	572
11.	Residential Hotels, Boarding Houses	206
12.	Aerated Water Manufacturers	6
13.	Other places where food is manufactured	3
14.	Hawker's Premises	116
15.	Hawker's Carts	111
16.	Butchers' Carts and Carriers	8
17.	Milk Delivery Carts	76
18.	Bakers' Carts	8
19.	Ice Cream Carts	20
20.	Theatres and Bioscopes	39
21.	Common Lodging Houses	27
22.	Barracks	238
23.	Structural Defects in Premises	416
24.	Other House Inspections	1,889
25.	Undrained Premises	45
26.	Hairdressers	42
27.	Laundries	133
	C/Forward	6,351

SANITATION Cont'd.

	B/Forward	6,351
28.	Factories and Workshops	129
29.	Courts, Lanes and Alleys	77
30.	Vacant Ground	313
31.	Piggeries	11
32.	Horse Stables	80
33.	Cowkeepers Premises	33
34.	Dairy Stables and Dairies	1,478
35.	Hide and Skin Merchant's Premises	47
36.	Poultry Keepers	430
37.	Infectious Diseases Visits	184
38.	Malaria and Mosquito Inspections, etc.	815
39.	Malaria Permanent Works	262
40.	Public Sanitary Conveniences	577
41.	Refuse and Refuse Bins	383
42.	Refuse Tips	48
43.	Septic Tanks, French Drains, etc.	68
44.	Pail Privies	317
45.	Pit Privies	33
46.	Other Visits	1,212
47.	Premises Fumigated for Vermin	27
48.	Other Visits in Connection with Fumigation	20
49.	Disinfections	-
50.	Disinfection of Bedding and Clothing	3
51.	Rodent Inspections by Rodent Inspector	1,912
52.	Other Rodent Inspections by Health Inspectors	72
		14,882

REPORTS FOR TRANSMISSION TO OTHER MUNICIPAL DEPARTMENTS

(1) CITY ENGINEER'S DEPARTMENT.

53.	Blocked Sewers, etc.	61	
54.	Street Drains	98	
55.	Defective Water Fittings	31	
56.	Other Defects	49	
57.	Unauthorised Structures	143	
58.	Sites, etc. re Plans	761	
59.	Water Sampling	400	1,543
	C/Forward		16,425

SANITATION Cont'd.

B/Forward	16,425
(2) MUNICIPAL NATIVE ADMINISTRATION DEPARTMENT.	
60. Licensing and Other Inspections of Premises under Urban Areas Act	297
(3) LICENSING DEPARTMENT.	
61. Inspection of Premises re Licence Applications	948
(4) GENERAL.	
62. Other transportation trips	231
TOTAL :	17,901

PROSECUTIONS : 1952 - 1953

Total number of Prosecutions instituted : 22

Under Public Health By-Laws	1
Under Dairy By-Laws	13
Under Building By-Laws	1
Under Regulations relating to Preparation, Storage and Sale of Foodstuffs	1
Under Government Regulations Regarding the Prevention of Rodent Infestation, etc.	1
Under V.D. Hospital Regulations	5
TOTAL :	22

Total number in which accused found guilty and penalty imposed	16
Total number found not guilty, complied with, acquitted or Prosecutor declined to Prosecute	6
No. still pending	0
TOTAL :	22

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) ..... (6 of these premises had been demolished and 2 converted to open sheds by 30. 6. 53.)	8
(c) Under Slums Act	0
(d) Voluntary Demolitions	11
TOTAL :	19