CITY OF PIETERMARITZBURG

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

For the Year Ended
31st December, 1960

N.W. LTD. 10389

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 31st DECEMBER, 1960.

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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 calendar year 1960.

Infectious disease figures were a little lower than last year. Tuberculosis incidence increased in Non-Europeans, while Poliomyelitis incidence was again low. Infantile Mortality worsened in Coloureds, but was much lower in Natives. Death rates were a little higher in all races, Cancer deaths in Europeans being double last year's total. Birth rates were unchanged in Europeans, but rose in all the Non-European races.

245 Council houses were built for Asiatics at Northdale. The building of a new Administration Block at the Abattoir was commenced during the year, the Abattoir again experiencing a record year of slaughtering.

It is with deep regret that I have to record the death shortly after retiring through ill health, of Mr. G.B. Lupton. Mr. Lupton served in this department for 43 years and was Abattoir Manager for 30 years.

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, the 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 ft.

TEMPERATURE AND RAINFALL:

	RAINFALL IN INCHES	ATMOSPHERIC TEMPERATURE Av. Daily Maximum °	Av. Daily Minimum °	Av. Daily Mean. °	RELATIVE HUMIDITY Average Daily
January	0.78	80.2	60.5	70.3	73.5%
February	5.19	81.2	62.4	71.8	79.8%
March	3.14	81.5	60.9	71.2	82.6%
April	4.94	73.5	53.6	63.5	87.9%
May	0.01	74.4	42.5	58.4	84.6%
June	0.13	71.5	37.4	54.4	84.2%
July	0.02	72.0	36.0	54.0	79.8%
August	0.25	78.1	47.5	62.8	75.1%
September	1.33	75.7	50.1	62.9	74.3%
October	2.34	78.5	57.3	67.9	74.0%
November	4.77	77.7	58.1	67.9	78.8%
December	7.98	76.5	63.0	69.7	82.9%
Total	30.88				

AREA OF MUNICIPALITY: 47,66741 sq. miles.

Value of Rateable Property: £32,967,680

Exempted Property: £11,909,490

MUNICIPAL RATE: General - Land - 7½d. in £
Buildings - 2¼d. in £

Water - ¼d. in £ on land only, plus 2/- per 1,000 gallons of water used.

Total Nett Maintenance Cost (Less Revenue) of Public Health Department for 1959/60 = £44,813. 12s. 6d., being 8% of the total nett maintenance cost of the City.

LEADING VITAL STATISTICS

YEAR ENDING 31st DECEMBER, 1960.

(Average Rate for period 1950 - 1959 in brackets for comparison).

	European	Native	Coloured	Asiatic
POPULATION (Estimated at December 31st, 1960).	38,540	27,200	4,611	21,590
BIRTHS REGISTERED BIRTH RATE (Per 1,000 Population)	753 19.5 (20.9)	703 25.8 (24.3)	210 45.5 (46.4)	748 34.6 (38.4)
ILLEGITIMATE BIRTHS (Percentage of total births)	6 0.8% (1.0%)	474 67.4% (47.0%)	25 11.9% (18.9%)	4 0.5% (1.2%)
DEATHS CRUDE DEATH RATE (Corrected for outward transfer)	318 8.3 (9.0)	210 7.7 (9.7)	39 8.5 (10.9)	162 7.5 (7.3)
INFANTILE MORTALITY (Up to 1 year) DEATHS RATE (Per 1,000 Births)	18 23.9 (24.4)	69 98.2 (166.2)	10 47.6 (58.1)	34 45.5 (43.8)
DEATHS in children from 1 - 4 years (incl.) RATE (Per 1,000 Population)	1 0.03 (0.14)	37 1.4 (1.6)	3 0.7 (0.9)	14 0.6 (0.6)
RESPIRATORY TUBERCULOSIS Code No. 001 - 008. DEATHS RATE (Per 1,000 Population)	0 0 (0.1)	10 0.4 (0.7)	0 0 (0.6)	2 0.09 (0.5)
TUBERCULOSIS - OTHER FORMS Code Nos. 010 - 019. DEATHS RATE (Per 1,000 Population)	0 0 (0.01)	4 0.1 (0.15)	0 0 (0.1)	0 0 (0.1)
ENTERIC FEVER Code No. 040 - 041. DEATHS RATE (Per 1,000 Population)	1 0.03 (0.01)	0 0 (0.05)	0 0 (0)	0 0 (0.02)
MALIGNANT AND OTHER NEOPLASMS Code Nos. 140 - 239. DEATHS RATE (Per 1,000 Population)	53 1.4 (1.3)	9 0.3 (0.2)	3 0.7 (0.7)	7 0.3 (0.3)
DISEASES OF THE CIRCULATORY SYSTEM Code Nos. 400 - 468. DEATHS RATE (Per 1,000 Population)	113 2.9 (3.4)	8 0.3 (0.9)	6 1.3 (2.2)	46 2.1 (1.5)
BRONCHITIS AND PNEUMONIA Code Nos. 490 - 502. DEATHS RATE (Per 1,000 Population)	25 0.6 (0.5)	34 1.3 (1.5)	4 0.9 (0.9)	23 1.1 (0.9)

* (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 December 31st, 1960, calculated for Vital Statistical purposes. This estimate is based on the Government Census of May 8th, 1951, and the Government Census of September 6th, 1960.

	European	Native	Coloured	Asiatic	All Non-Eur.	All Races
Male	18,600	16,890	2,270	11,000	30,160	48,760
Female	19,940	10,310	2,341	10,590	23,241	43,181
PERSONS	38,540	27,200	4,611	21,590	53,401	91,941

These figures differ quite considerably from the estimates previously made on the basis of the Municipal Census of 1946 and the Government Census of 1951, and illustrate the need for a regular census.

On the basis of the old figures the estimated population for 1960 would have been as follows:-

	European	Native	Coloured	Asiatic	All Non-Eur.	All Races
Total Populn.	43,500	33,190	5,603	35,020	73,813	117,313

TOTAL BIRTHS REGISTERED

(A) RESIDENTS

	Male		Female		Persons			Percentage of Illeg. to all Births	Birth Rate per 1,000 Population
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total		
European	362	2	385	4	747	6	753	0.8%	19.5
Native	127	239	102	235	229	474	703	67.4%	25.8
Coloured	95	14	90	11	185	25	210	11.9%	45.5
Asiatic	370	1	374	3	744	4	748	0.5%	34.6
All Non-Eur.	592	254	566	249	1158	503	1661	30.3%	31.1
All Races	954	256	951	253	1905	509	2414	21.1%	26.4

(B) NON-RESIDENTS

	Male		Female		Persons			Percentage of Illeg. to all Births
	Leg.	Illeg.	Leg.	Illeg.	Leg.	Illeg.	Total	
European	161	1	135	4	296	5	301	1.7%
Native	1	1	0	1	1	2	3	33.3%
Coloured	8	0	6	1	14	1	15	6.7%
Asiatic	15	0	22	0	37	0	37	0
All Non-Eur.	24	1	28	2	52	3	55	5.5%
All Races	185	2	163	6	348	8	356	2.2%

DEATHS

TOTAL DEATHS REGISTERED (RESIDENTS)

	Male		Female		Persons	
	Deaths	Rate per 1,000 Male Population	Deaths	Rate per 1,000 Female Population	Deaths	Death Rate (per 1,000 Population)
European	176	9.5	142	7.1	318	8.3
Native	122	7.2	88	8.5	210	7.7
Coloured	25	11.0	14	6.0	39	8.5
Asiatic	109	9.9	53	5.0	162	7.5
ALL NON-EUR.	256	8.5	155	6.7	411	7.7
ALL RACES	432	8.9	297	6.9	729	8.0

DEATHS: (Pages 5 - 7).

Death rates were higher this year in all races.

The death rate for all races was 8.0 as compared with 6.4 last year.

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

European	:	13.8%	(16% last year)
Native	:	13.3%	(76% last year)
Coloured	:	51.3%	(48% last year)
Asiatic	:	48.8%	(57% last year)
All Non-European	:	61.6%	(67% last year)

These figures once again show how much better the expectation of life is for Europeans than for Non-Europeans. The table on page 7 also indicates that Cardiac and Circulatory System disease far outweighs all other causes of death among Europeans. Among Non-Europeans, Respiratory Diseases was the main cause of death.

DEATHS AND DEATH RATES (PER 1,000 POPULATION) : VARIOUS CAUSES.

ABBREVIATED LIST (6th Decennial Revision of International List).

RESIDENTS ONLY

	European		Native		Coloured		Asiatic		All Non-Europeans		All Races	
B 1 Tuberculosis of Respiratory System	0	0	10	0.4	0	0	2	0.09	12	0.2	12	0.13
B 2 Tuberculosis, other forms	0	0	4	0.15	0	0	0	0	4	0.08	4	0.04
B 3 Syphilis & Sequelae	0	0	1	0.04	0	0	0	0	1	0.02	1	0.01
B 4 Typhoid Fever	1	0.03	0	0	0	0	0	0	0	0	1	0.01
B 5 Cholera	0	0	0	0	0	0	0	0	0	0	0	0
B 6 Dysentery, all forms	0	0	0	0	0	0	0	0	0	0	0	0
B 7 Scarlet Fever & Strep. Sore Throat	0	0	0	0	0	0	0	0	0	0	0	0
B 8 Diphtheria	1	0.03	1	0.04	0	0	0	0	1	0.02	2	0.02
B 9 Whooping Cough	0	0	0	0	0	0	0	0	0	0	0	0
B10 Meningococcal Infections	0	0	0	0	1	0.2	1	0.05	2	0.04	2	0.02
B11 Plague	0	0	0	0	0	0	0	0	0	0	0	0
B12 Acute Poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0
B13 Smallpox	0	0	0	0	0	0	0	0	0	0	0	0
B14 Measles	0	0	4	0.15	0	0	3	0.14	7	0.13	7	0.08
B15 Typhus and other rickettsial diseases	0	0	0	0	0	0	0	0	0	0	0	0
B16 Malaria	0	0	0	0	0	0	0	0	0	0	0	0
B17 Other infective and parasitic diseases	0	0	4	0.15	1	0.2	0	0	5	0.09	5	0.06
B18 Malignant Neoplasms	53	1.4	8	0.3	3	0.7	7	0.3	18	0.3	71	0.8
B19 Benign & unspecified Neoplasms	0	0	1	0.04	0	0	0	0	1	0.02	1	0.01
B20 Diabetes Mellitus	3	0.08	1	0.04	1	0.2	3	0.14	5	0.09	8	0.9
B21 Anaemias	1	0.03	0	0	0	0	1	0.05	1	0.02	2	0.02
B22 Vascr. lesions of C.N.S.	27	0.7	6	0.2	3	0.7	13	0.6	22	0.4	49	0.5
B23 Non Meningococcal Mgts.	1	0.03	2	0.07	0	0	1	0.05	3	0.05	4	0.04
B24 Rheumatic Fever	0	0	0	0	0	0	0	0	0	0	0	0
B25 Chronic Rheumatic Heart Disease	3	0.1	0	0	0	0	3	0.14	3	0.06	6	0.07
B26 Arteriosclerotic and Degtve. heart disease	70	1.8	1	0.04	4	0.9	31	1.4	36	0.7	106	1.2
B27 Other diseases of heart	13	0.3	4	0.15	1	0.2	7	0.3	12	0.2	25	0.3
B28 Hypertension with heart disease	7	0.2	1	0.04	1	0.2	4	0.2	6	0.1	13	0.14
B29 Hypertension without mention of heart	0	0	0	0	0	0	0	0	0	0	0	0
B30 Influenza	0	0	0	0	0	0	0	0	0	0	0	0
B31 Pneumonia	25	0.6	34	1.3	4	0.9	23	1.1	61	1.1	86	0.9
B32 Bronchitis	4	0.1	2	0.07	1	0.2	1	0.05	4	0.08	8	0.09
B33 Ulcer of Stomach and Duodenum	4	0.1	0	0	0	0	2	0.09	2	0.04	6	0.07
B34 Appendicitis	1	0.03	0	0	0	0	0	0	0	0	1	0.01
B35 Intestinal obstruction and hernia	1	0.03	1	0.04	0	0	1	0.05	2	0.04	3	0.03
B36 Gastritis, Enteritis, Exc. of newborn	1	0.03	14	0.5	3	0.7	12	0.6	29	0.5	30	0.3
B37 Cirrhosis of liver	1	0.03	2	0.07	0	0	0	0	2	0.04	3	0.03
B38 Nephritis & Nephrosis	3	0.08	3	0.1	0	0	0	0	3	0.06	6	0.07
B39 Hyperplasia of Prostate	0	0	0	0	0	0	1	0.05	1	0.02	1	0.01
B40 Complicns. of pregnancy, childbirth & puerperium	0	0	0	0	0	0	0	0	0	0	0	0
B41 Congenital Malformns.	1	0.03	3	0.1	0	0	5	0.2	8	0.15	9	0.1
B42 Birth injuries, atelectasis, etc.	2	0.05	0	0	0	0	1	0.05	1	0.02	3	0.03
B43 Infections of newborn	0	0	1	0.04	0	0	0	0	1	0.02	1	0.01
B44 Other diseases of early infancy & immaturity	12	0.3	19	0.7	4	0.9	8	0.4	31	0.6	43	0.5
B45 Senility, without psychosis	6	0.16	1	0.04	2	0.4	0	0	3	0.06	9	0.1
B46 All other diseases	52	1.3	61	2.2	6	1.3	27	1.3	94	1.8	146	1.6
B47 Motor vehicle accidents	9	0.2	4	0.15	2	0.4	1	0.05	7	0.13	16	0.2
B48 All other accidents	9	0.2	9	0.3	2	0.4	2	0.09	13	0.24	22	0.24
B49 Suicide	7	0.18	0	0	0	0	1	0.05	1	0.02	8	0.09
B50 Homicide and war	0	0	8	0.3	0	0	1	0.05	9	0.17	9	0.1
TOTAL	318	8.3	210	7.7	39	8.5	162	7.5	411	7.7	729	8.0

SEASONAL OCCURRENCE OF DEATHS

	European			Native			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
January, 1960	8	12	20	9	8	17	2	2	4	12	2	14	23	12	35
February	5	6	11	21	15	36	1	0	1	12	4	16	34	19	53
March	9	10	19	5	5	10	3	1	4	8	7	15	16	13	29
April	11	12	23	7	6	13	2	2	4	9	4	13	18	12	30
May	22	20	42	11	11	22	4	2	6	2	4	6	17	17	34
June	20	10	30	6	8	14	3	1	4	15	6	21	24	15	39
July	20	16	36	7	2	9	2	2	4	7	6	13	16	10	26
August	17	13	30	19	9	28	0	0	0	10	3	13	29	12	41
September	15	11	26	4	2	6	1	3	4	11	3	14	16	8	24
October	20	15	35	11	7	18	1	0	1	8	8	16	20	15	35
November	14	7	21	6	6	12	4	1	5	8	2	10	18	9	27
December	15	10	25	16	9	25	2	0	2	7	4	11	25	13	38
TOTAL :	176	142	318	122	88	210	25	14	39	109	53	162	256	155	411

DEATHS OF RESIDENTS GIVEN IN AGE GROUPS

	European			Native			Coloured			Asiatic			All Non-Eur.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 yr.	9	9	18	35	34	69	7	3	10	19	15	34	61	52	113
1 - 2 yrs.	1	0	1	13	17	30	1	2	3	9	2	11	23	21	44
2 - 4 yrs.	0	0	0	4	3	7	0	0	0	0	3	3	4	6	10
5 - 14 yrs.	1	1	2	6	1	7	1	0	1	0	2	2	7	3	10
15 - 24 yrs.	7	0	7	9	4	13	1	0	1	1	2	3	11	6	17
25 - 34 yrs.	4	3	7	11	1	12	0	1	1	5	2	7	16	4	20
35 - 44 yrs.	6	3	9	11	5	16	4	0	4	13	6	19	28	11	39
TOTAL 0 - 44 yrs.	28	16	44	89	65	154	14	6	20	47	32	79	150	103	253
45 - 54 yrs.	21	6	27	12	5	17	1	3	4	15	5	20	28	13	41
55 - 64 yrs.	39	21	60	11	7	18	4	1	5	15	5	20	30	13	43
65 - 74 yrs.	45	26	71	8	5	13	1	0	1	16	6	22	25	11	36
75 and Over	43	73	116	2	6	8	5	4	9	16	5	21	23	15	38
TOTAL :	176	142	318	122	88	210	25	14	39	109	53	162	256	155	411

(1) Vital Statistics continued.

SUMMARY OF CAUSES OF DEATH

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

RESIDENTS ONLY

		European	Native	Coloured	Asiatic
01-009	Tuberculosis	0 : 0%	14 : 6.7%	0 : 0%	2 : 1.2%
20-039	Syphilis & other Venereal Diseases	0 : 0%	1 : 0.5%	0 : 0%	0 : 0%
60-096	Diseases attributable to Viruses	0 : 0%	5 : 2.4%	0 : 0%	3 : 1.9%
40-064	Infectious disease of intestinal tract and other bacterial disease	2 : 0.6%	2 : 1%	2 : 5.1%	1 : 0.6%
40-205	Malignant Neoplasms	53 : 8.8%	8 : 3.8%	3 : 7.7%	7 : 4.3%
60	Diabetes	3 : 0.9%	1 : 0.5%	0 : 0%	0 : 0%
30-334	Vascular lesions affecting C.N.S.	27 : 8.5%	6 : 2.9%	3 : 7.7%	13 : 8.0%
00-468	Cardiac Diseases and other diseases of Circulatory System	113: 35.5%	8 : 3.8%	6 : 15.4%	46 : 28.4%
70-527	Respiratory Diseases (non-tuberculous)	30 : 9.4%	42 : 19.6%	5 : 12.8%	25 : 15.4%
43,571 572	Gastro-enteritis and Colitis (age 4 weeks and over)	1 : 0.3%	14 : 20.0%	3 : 7.7%	12 : 7.4%
30-587	Other diseases of Digestive System	10 : 3.1%	5 : 2.4%	0 : 0%	5 : 3.1%
90-594	Nephritis and Nephrosis	3 : 0.9%	3 : 1.4%	0 : 0%	0 : 0%
50-759	Congenital Malformations	1 : 0.3%	3 : 1.4%	0 : 0%	5 : 3.1%
60-776	Certain diseases of early infancy	14 : 4.4%	20 : 9.5%	4 : 10.3%	9 : 5.6%
80-795	Senility and ill defined diseases	26 : 8.2%	36 : 17.1%	7 : 17.9%	18 : 11.1%
00-999	Accidents, violence, poisoning.	25 : 7.9%	21 : 10%	4 : 10.3%	5 : 3.1%
	Other causes	10 : 3.1%	21 : 10%	2 : 5.1%	11 : 6.8%
	TOTAL DEATHS :	318 :	210 :	39 :	162 :

TOTAL NOTIFICATIONS OF INFECTIOUS DISEASE : (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	2 (0.05)	1 (0.04)	0	1 (0.05)	2 (0.04)	4 (0.04)
Pulmonary Tuberculosis	8 (0.2)	92 (3.4)	10 (2.2)	30 (1.4)	132 (2.5)	140 (1.5)
Tuberculosis - Other Forms	0	1 (0.04)	2 (0.4)	2 (0.09)	5 (0.1)	5 (0.06)
Scarlet Fever	49 (1.3)	0	0	0	0	49 (0.5)
Erysipelas	1 (0.03)	2 (0.07)	1 (0.2)	1 (0.05)	4 (0.08)	5 (0.06)
Puerperal Sepsis	3 (0.08)	0	1 (0.2)	3 (0.1)	4 (0.08)	7 (0.08)
Malaria	0	0	0	0	0	0
Diphtheria	9 (0.2)	1 (0.04)	2 (0.4)	3 (0.1)	6 (0.1)	15 (0.2)
Diphtheria Carriers	2 (0.05)	0	0	0	0	2 (0.02)
Cerebrospinal Fever	0	2 (0.07)	1 (0.2)	1 (0.05)	4 (0.08)	4 (0.04)
Anterior Poliomyelitis (Paralytic)	3 (0.08)	1 (0.04)	0	0	1 (0.02)	4 (0.04)
Anterior Poliomyelitis (Non-Paralytic)	2 (0.05)	0	0	0	0	2 (0.02)
Encephalitis	0	0	0	0	0	0
Leprosy	0	1 (0.04)	1 (0.2)	0	2 (0.04)	2 (0.02)
Opthalmia Neonatorum	0	1 (0.04)	0	2 (0.09)	3 (0.06)	3 (0.03)
Gonorrhoeal Ophthalmia	0	0	0	0	0	0
TOTAL :	79 (2.1)	102 (3.8)	18 (3.9)	43 (2.0)	163 (3.1)	242 (2.6)

(2) INFECTIOUS DISEASE

There were 242 notifications of infectious disease as compared with 265 in 1959. (See page 8).

ISOLATION HOSPITAL (EUROPEAN INFECTIOUS DISEASE) (Page 54).

Altogether 156 patients were admitted during the year 1960, 116 Borough and 40 Out-of Borough. Figures for previous years were:-

1959 : 202; 1958 : 184; 1957 : 180; 1956 : 243; 1955 : 147; 1954 : 117; July-December, 1953 : 90; 1951-1952 : 222; 1950-1951 : 204.

Cases of Puerperal Sepsis, Typhoid Fever and Tuberculosis, are provided for usually at Grey's Hospital - the Provincial General Hospital - and King George V - Springfield Hospital for Tuberculosis in Durban. Europeans needing hospitalisation for Venereal Disease are sent by arrangement to Wentworth Hospital, Durban. Cases of Anterior Poliomyelitis are now admitted to the Isolation Hospital for the first 3 weeks (the presumably infectious period) of their illness, and then transferred to the General Hospital or to the Uplands Orthopaedic Home, for further treatment in the case of Europeans, or to the General Hospital Wards or Out-Patient Departments in the case of Non-Europeans.

NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL (Page 54).

Admissions during 1960 totalled 339, 105 Borough and 234 Out-of-Borough cases, a decrease on last year's total of 384. Admissions during previous years have been as follows:-

1959 : 284; 1958 : 400; 1957 : 381; 1956 : 414; 1955 : 331; 1954 : 256; July-December, 1953 : 130; 1951-1952 : 223; 1950-1951 : 304;

AMBULANCE.

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

1) Total number of cases removed : 4,929

2) Infectious cases removed : 835

LABORATORY WORK.

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

Swabs for Diphtheria Bacilli	150
Swabs for Haemolytic Streptococci	225
Smears and swabs for Gonococcus, organisms, etc.	2
Cerebro-spinal Fluids	19
Blood (Vi, Sugar and other examinations)	0
Blood (Counts, Smears)	10
Cough Plates	0
Sputum and Pleural Fluids (T.B. etc.)	0
Stools (Parasites, T.B., S. Typhi, etc.)	14
Urines (Chemical, microscopic, diastatic index, etc.)	11
Milk - for Bacterial Count	74
Milk - Phosphatase Test	112
	617

Laboratory ...../

LABORATORY WORK Cont'd.

Laboratory work done by Municipal Bio-Chemist:

Milk - for Phosphatase Test	75
Water - for Bacteriological Count	45

Work done in Departmental Laboratory:-

No. of Mosquito larvae examined	:	361
No. of Mosquito adults examined	:	0
No. of Snails examined	:	228
No. of Physopsis identified	:	14

NOTIFIABLE INFECTIOUS DISEASE.

(a) ANTHRAX. No cases notified.

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

VACCINATION.

Every Native registering at the Municipal Pass Office is vaccinated when he is medically examined. (See page 23).

In addition, 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.

Successful Vaccinations (under 2)	148
Successful Vaccinations (over 2)	33
Insusceptible to Vaccination (under 2)	5
Insusceptible to Vaccination (over 2)	3
Exempted from Vaccination	0

The number of vaccinations carried out by this Department at its Clinics during this period was 2406 (Eur. 668; Nat. 339; Col. 286; As. 1113).

(c) DIPHTHERIA.

The total number of cases notified in 1960 was 17 (including 2 "carriers"), as compared with 33 last year, and 1 European and 1 Native died from this disease. Both the deaths occurred in non-immunised children.

The immunisation history in 14 known cases (confirmed by Virulence tests) admitted to our hospitals during 1960 was as follows:-

Immunised	Non-Immunised
Total cases : 2 (2 Eur.; 0 Non-Eur.)	Total cases : 12 (6 Eur.; 6 Non-Eur.)
Deaths : Nil	Deaths : 1 (1 Non-Eur.)

2,322 Immunisation courses against Diphtheria were completed at the Infant Clinic Sessions, a small increase on last year's figure of 2,254. (Eur. 596, Nat. 197; Col. 243; As. 1,296.

Race ...../

DIPHTHERIA Cont'd.

Race	Pre-Inoculation Schick Tests	No. Positive	Post-Inoculation Schick Tests	No. Positive
European	16	4	19	5
Native	-	-	-	-
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 1946:-

DIPHTHERIA

YEAR	EUROPEANS				NATIVES				COLOUREDS				ASIATICS			
	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths
ly, 1946- June, 1947	697	275	14	-	315	81	13	2	149	192	-	-	711	138	13	2
1947- " 1948	704	275	10	1	303	118	4	1	133	120	5	2	704	261	14	2
1948- " 1949	703	672	43	4	279	134	7	2	116	125	2	1	670	393	10	3
1949- " 1950	669	520	21	4	263	102	34	6	109	106	6	1	669	391	5	-
1950- " 1951	636	272	13	-	272	88	41	3	165	140	7	1	840	366	8	1
1951- " 1952	682	262	12	1	326	67	2	1	163	152	2	-	717	435	-	-
1952- " 1953	702	221	16	2	248	53	5	-	187	74	1	-	639	369	4	-
n., 1954- Dec., 1954	1019	660	14	-	914	154	8	2	265	252	-	-	1200	698	8	2
n., - Dec., 1955	664	610	*17	1	1114	347	6	1	174	203	2	-	686	1333	9	1
- " 1956	685	398	°22	2	1101	257	6	1	170	156	1	-	790	632	2	-
- " 1957	701	371	19	1	874	123	-7	1	179	177	-	-	788	838	3	1
- " 1958	798	367	9	-	669	172	-11	5	217	143	°5	-	779	678	5	2
- " 1959	777	753	"26	3	630	258	2	2	206	265	-	-	837	978	5	2
- " 1960	753	596	°11	1	703	197	1	1	210	243	2	-	748	1296	3	-

* Includes 8 carriers.
" Includes 6 carriers.
° Includes 2 carriers.
\- Includes 1 carrier.

No figures are available of the number of persons immunised by private practitioners, but many European children are being immunised by private practitioners.

(d) SCARLET FEVER.

49 Cases were notified as compared with 53 cases last year. The disease continued to be mild.

(e) CEREBRO-SPINAL MENINGITIS. ...../

(e) CEREBRO-SPINAL MENINGITIS.

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

(f) ANTERIOR POLIOMYELITIS.

Only 6 Cases (5 Eur. and 1 Nat.) were notified this year, as compared with 4 last year. There were no deaths amongst these cases. 2 Of the European cases were non-paretic.

As vaccine was freely available, it was possible to offer the vaccine to the numerous adults up to the age of 40 who applied to the Department, as well as to children. Oral vaccine was also issued in November to persons between the ages of 3 months and 30 years. This vaccine was a Type I vaccine only.

Reactions to the vaccines were few in number and in no case became serious. During 1960 this Department administered the following Anti-Poliomyelitis inoculations:-

	First Inoculations	Second Inoculations	Third Inoculations	Fourth Inoculations	Total
Europeans	1,148	1,225	950	1,015	4,338
Natives	93	73	37	-	203
Coloureds	400	277	222	161	1,060
Asiatics	1,347	891	443	162	2,843
TOTAL :	2,988	2,466	1,652	1,338	8,444

ORAL POLIOMYELITIS VACCINATION.

Europeans	: 9,160
Natives	: 2,434
Coloureds	: 2,143
Asiatics	: 5,534
Total	: 19,271

The annual incidence of Poliomyelitis in Pietermaritzburg is shown in the following table of notifications:-

1941 - 0;	1942 - 12;	1943 - 2;	1944 - 15;	1945 - 7;
1946 - 0;	1947 - 2;	1948 - 32;	1949 - 4;	1950 - 1;
1951 - 11;	1952 - 3;	1953 - 3;	1954 - 25;	1955 - 20;
1956 - 51;	1957 - 20;	1958 - 4;	1959 - 4;	1960 - 6:

Poliomyelitis cases are treated in the Municipal Isolation Hospitals for a period of three weeks and then transferred to the Provincial Hospitals or to the Uplands Orthopaedic Home for further orthopaedic treatment when required.

(g) ENCEPHALITIS.

No cases of Infective Encephalitis were notified (as compared with 7 last year). 2 Borough cases of Measles Encephalitis were admitted to the Isolation Hospital.

(h) ENTERIC FEVER.

4 Cases were notified, 2 European, 1 Native and 1 Asiatic, as compared with 10 cases last year.

50 Persons/.....

(h) ENTERIC FEVER. (Cont'd.)

50 Persons were immunised (18 Europeans, 16 Natives, 10 Coloureds, 6 Asiatics), contacts of patients suffering from Typhoid Fever. (See also page 21, section (10) Milk Supplies). In addition, employees of the City Engineer's Department at the Sewerage Farm and in the Water Section are immunised yearly. (17 Europeans, 53 Natives).

(3) TUBERCULOSIS. (Pages 38-39).

Notifications of Pulmonary Tuberculosis totalled 140, a small increase on last year's total of 133, 8 of these being of Europeans. Notifications of Non-Pulmonary Tuberculosis totalled 5 (all Non-European), as compared with 7 last year.

61 Borough cases (44 Natives, 5 Coloureds and 12 Asiatics) were admitted to our Non-European Infectious Diseases Hospital.

Responsibility was accepted for the treatment of Pietermaritzburg cases of Pulmonary Tuberculosis at other hospitals as follows:-

Grey's Hospital	: Eur. 1; Col. 3.
King George V / Springfield Hosp.	: Eur. 9; Nat. 5; As. 4.
Edendale Non-European Hospital.	: Nat. 19; As. 6.
S.A.N.T.A. Doris Goodwin Centre	: Nat. 12.
F.O.S.A., Durban	: As. 1.
Other Hospitals	: Eur. 1; Nat. 5; As. 1.

The Natal Anti-Tuberculosis Association rendered assistance to 49 families in Pietermaritzburg (2 European, 33 Native, 11 Coloured and 3 Asiatic).

The following tables illustrate the trend in notifications and deaths from this disease over the period 1934-1960:-

PULMONARY TUBERCULOSIS

YEAR	NOTIFICATIONS						DEATHS					
	Eur.	Nat.	Col.	As.	All Non-Eur.	Total	Eur.	Nat.	Col.	As.	All Non-Eur.	Total
y,1934-June,1935	7	35	12	31	78	85	4	25	7	8	40	44
1935- " 1936	17	38	15	32	85	102	2	14	3	12	29	31
1936- " 1937	8	40	8	20	68	76	4	18	7	17	42	46
1937- " 1938	17	40	15	14	69	86	7	29	7	7	43	50
1938- " 1939	15	40	15	10	65	80	5	19	6	8	33	38
1939- " 1940	7	23	7	17	47	54	4	15	7	9	31	35
1940- " 1941	7	13	11	7	31	38	3	19	1	6	29	32
1941 " 1942	8	22	6	18	46	54	5	9	1	15	25	30
1942- " 1943	8	29	2	27	58	66	5	13	2	16	31	36
1943- " 1944	5	23	3	24	50	55	3	14	4	14	32	35
1944- " 1945	13	52	5	30	87	100	3	14	4	11	29	32
1945- " 1946	12	60	10	24	94	106	10	24	6	12	42	52
1946- " 1947	10	51	13	25	89	99	11	31	6	11	48	59
1947- " 1948	*23	49	9	32	90	113	9	23	4	18	45	54
1948- " 1949	18	68	8	22	98	116	8	44	4	11	59	67
1949- " 1950	17	62	9	17	88	105	3	27	3	10	40	43
1950- " 1951	18	58	9	38	105	123	2	20	3	9	32	34
1951- " 1952	17	64	15	33	112	129	1	30	6	13	49	50
1952- " 1953	18	65	21	46	132	150	3	11	5	3	19	22
.,1954-Dec.,1954	20	44	5	12	61	81	3	6	2	5	13	16
., - Dec.,1955	14	75	9	31	115	129	0	11	2	2	15	15
- " 1956	8	86	14	11	111	119	0	3	0	4	7	7
- " 1957	11	84	11	23	118	129	2	14	1	2	17	19
- " 1958	13	83	10	24	117	130	2	11	0	8	19	21
- " 1959	9	97	6	21	124	133	1	9	0	2	11	12
- " 1960	8	92	10	30	132	140	0	10	0	2	12	12

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

NON-PULMONARY TUBERCULOSIS ...../

(3) TUBERCULOSIS Cont'd.

NON-PULMONARY TUBERCULOSIS

	NOTIFICATIONS						DEATHS					
	Eur.	Nat.	Col.	As.	All Non-Eur.	Total	Eur.	Nat.	Col.	As.	All Non-Eur.	Total
ly,1934-June,1935	1	4	0	3	7	8	2	6	0	1	7	9
" 1935- " 1936	3	3	1	6	10	13	1	2	0	2	4	5
" 1936- " 1937	2	8	0	5	13	15	1	4	0	3	7	8
" 1937- " 1938	5	10	3	6	19	24	3	1	2	3	6	9
" 1938- " 1939	1	3	0	3	6	7	0	2	0	2	4	4
" 1939- " 1940	2	3	1	3	7	9	1	2	1	0	3	4
" 1940- " 1941	3	2	0	3	5	8	2	1	0	0	1	3
" 1941- " 1942	2	7	2	7	16	18	1	3	1	3	7	8
" 1942- " 1943	1	3	4	2	9	10	1	1	1	3	5	6
" 1943- " 1944	1	4	0	3	7	8	0	5	1	3	9	9
" 1944- " 1945	2	6	1	8	15	17	0	3	2	5	10	10
" 1945- " 1946	1	5	3	3	11	12	1	4	1	3	8	9
" 1946- " 1947	1	8	3	2	13	14	0	11	3	3	17	17
" 1947- " 1948	*5	9	1	4	14	19	1	8	1	2	11	12
" 1948- " 1949	0	7	0	7	14	14	1	7	1	2	10	11
" 1949- " 1950	0	12	2	10	24	24	1	3	1	2	6	7
" 1950- " 1951	1	10	3	12	25	26	0	6	1	2	9	9
" 1951- " 1952	0	7	1	9	17	17	1	2	0	1	3	4
" 1952- " 1953	1	6	0	4	10	11	0	7	1	1	9	9
n.,1954-Dec.,1954	1	7	0	5	12	13	0	2	0	3	5	5
n. -Dec.,1955	1	4	1	3	8	9	1	3	0	0	3	4
" - " 1956	0	1	0	1	2	2	1	0	0	0	0	1
" - " 1957	4	2	1	1	4	8	0	2	1	1	4	4
" - " 1958	1	4	1	2	7	8	0	4	0	1	5	5
" - " 1959	0	3	1	3	7	7	1	3	0	1	4	5
" - " 1960	0	1	2	2	5	5	0	4	0	0	4	4

* Includes 1 case also notified as Pulmonary Tuberculosis.

There was a very slight improvement in the European notifications of this disease this year, but the Non-European total rose again due mainly to an increase in the Asiatic notifications. The total of deaths was the same as last year. Approximately 26% of the total expenditure by this Department was under the head "Anti-Tuberculosis Measures".

MINIATURE MASS RADIOGRAPHY.

In 1954 the City Council installed a 70 mm. Miniature X-Ray set (a fixed unit) in the Public Health Department.

The following table indicates the type of patient coming to or being referred to the unit for a Miniature X-Ray:- (See page 45 for detailed breakdown of these figures).

	European	N-European	Total
Referred ex Native Pass Office med. exam.	-	14,059	14,059
Referred for Pre-employment X-Ray	99	289	388
Referred by Employers	54	950	1,004
Referred by Doctors	242	1,082	1,324
Referred by Health Visitor	201	584	785
Applied Voluntarily for Miniature X-Ray	293	332	625
Follow-up X-Rays of cases attending Municipal Clinics or in T.B. or other Hospitals	52	941	993
Total Persons X-Rayed	941	18,237	19,178

The .../

(3) TUBERCULOSIS Cont'd.

The final results of investigations carried out on cases suspected to be suffering from Pulmonary Tuberculosis as a result of the Miniature X-Ray revealed the following:-

	European	Non-European	Total
Active cases of Pulmonary T.B.	3	124	127
Arrested cases of Pulmonary T.B.	4	43	47

With the Miniature X-Ray plant available, contact examination at the T.B. Clinic has been reduced considerably, as a routine Miniature X-Ray of all contacts is now taken and only when abnormalities are noted are the contacts referred for closer investigation at the Clinic. Routine follow-up X-Rays of T.B. Patients at the Clinics and our hospitals are to a large extent being done by this Miniature plant with an occasional large plate for confirmation.

All Natives passing through the Municipal Registration Medical Examination have a Miniature X-Ray as a routine. This year's figures show that 187 out of a total of 14,059 Natives (i.e. 13%) were referred from the Pass Office for further investigation at the T.B. Clinic.

THE TUBERCULOSIS CLINIC (Page 44).

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

During the year there were 2,279 attendances at the Clinic (including 1,103 Out-of-Borough cases), as compared with last year's total of 2,570. All contacts are now referred first of all to the Miniature X-Ray Clinic or Mantoux tested in the case of children and only brought to clinic if found to be abnormal, whilst patients for Streptomycin injections only occasionally attend the clinic sessions as well, being supervised from the Streptomycin Clinic.

An increasing number of notifications of infants under the age of 2 has been noted and most of these cases came from the Native Womens' Hostel in the City and from the Sobantu Village.

NOTIFICATION OF INFANTS WITH PRIMARY TUBERCULOSIS:-

	European	Native	Coloured	Asiatic
1957	3	18	-	-
1958	-	19	2	3
1959	-	16	-	2

B.C.G. immunisation of these infants appeared to be the most practical method of providing protection and was commenced at the Sobantu Village during the year on newly born infants, infants up to the age of 2 who attended our Infant Welfare Clinics, and on contact cases. 620 Mantoux tests were carried out and 307 inoculations of B.C.G. were given.

Out-patient continuation treatment with injections of Streptomycin and/or Oral I.N.H. and/or P.A.S. has been used for patients discharged from hospital. Patients for whom no bed can be found in hospital are also started on treatment until beds become available, and some cases are maintained on Out-Patient treatment alone.

During the year 10 European, 54 Native, 8 Coloured and 21 Asiatic patients received regular Streptomycin injections at the 4 special clinic sessions (2 in town and 2 at the Sobantu Village) held per week for this purpose. (See page 44). 4 European patients and 1 Coloured patient were given Streptomycin at home.

3,104 Visits were made to tuberculotics and contacts in their homes, (Borough cases only), as compared with last year's total of 3,030.

The following ...../

THE TUBERCULOSIS CLINIC Cont'd.

The following notified cases were on our Tuberculosis Register as at 31st December, 1960. (1959 figures in brackets for comparison):-

	Eur.	Nat.	Col.	As.	All N-Eur.	Total
Pulm. T.B.	118 (109)	591 (500)	80 (70)	238 (206)	909 (776)	1027 (885)
N-Pulm. T.B.	7 (7)	24 (21)	8 (6)	34 (33)	66 (60)	73 (67)

The Pietermaritzburg Tuberculosis Hospital : (Non-European only).

Admissions totalled 120, 61 Borough cases (44 Native, 5 Coloured and 12 Asiatic) and 59 Out-of-Borough cases (50 Native, 6 Coloured and 3 Asiatic).

1950-1951	Annual Admission Rate per Bed	1.7 patients
1951-1952	" " " " "	1.5 "
1952-1953	" " " " " (including temporary beds) ..	1.7 "
1954	" " " " " " ..	2.1 "
1955	" " " " " " ..	2.6 "
1956	" " " " " " ..	3.3 "
1957	" " " " " " ..	3.4 "
1958	" " " " " " ..	2.9 "
1959	" " " " " " ..	2.5 "
1960	" " " " " " ..	1.8 "

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

(4) VENEREAL DISEASE (Pages 49-53).

(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 Public Health Department for Europeans and at the Municipal Clinic in East Street for Non-Europeans. Separate Clinic Sessions are 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 (half-time only), 1 Native Nurse, and 2 Native Health Assistants, assist at the Clinics. Two Native Health Assistants devote their full time to Venereal Diseases.

(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.

(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:-

Europeans ...../

VENEREAL DISEASE Cont'd.

	European		Native		Coloured		Asiatic	
	No. of Tests	% Positive	No. of Tests	% Positive	No. of Tests	% Positive	No. of Tests	% Positive
ly, 1950 - June, 1951	41	0	4,351	10.5%	218	8.5%	855	2.1%
" 1951 - " 1952	58	0	5,019	13.6%	279	5.7%	862	3.2%
" 1952 - " 1953	164	1.8%	5,556	10.5%	201	1.0%	872	2.8%
" 1953 - Dec., 1954	81	1.2%	922	11.6%	95	2.1%	640	4.3%
n., 1955 - " 1955	221	1.4%	-	-	230	7%	1,065	2.2%
" 1956 - " 1956	289	-	-	-	267	3.7%	1,073	1.8%
" 1957 - " 1957	298	1.4%	-	-	245	6.1%	1,125	2.1%
" 1958 - " 1958	300	1.3%	-	-	304	5.6%	1,207	2.3%
" 1959 - " 1959	291	2.8%	-	-	156	9.6%	725	5%
" 1960 - " 1960	346	5.8%	-	-	286	9.1%	1,111	4.8%

* Figures for 1953 - 1954 incomplete, owing to closing down of Mayor's Walk Hospital in Pietermaritzburg, and its transfer to Edendale. Native Ante-Natal Clinics have been transferred to Edendale Hospital and are no longer held in Pietermaritzburg.

A small Ante-Natal Clinic is held in the Sobantu Village for Natives who are to be confined at home by the Municipal Midwife, and the Ante-Natal figures for that clinic are as follows:-

No. of Tests : 107. WRs. Positive : 12 (11.2%)

(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
50-51	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
51-52	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
52-53	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
54	2.1	-	0.3	-	3.8	3.6	2.8	2.6	3.8	2.2	-	10.2	3.0	2.4	-	9.3
55	2.1	5	0	0	3.1	3.9	2	2.3	3.3	4.3	1.3	4.7	2.7	1.1	1	3.5
56	2.5	3.3	0	0	3.7	4.4	2	2.6	3.7	4.4	1	2.7	2.3	2.6	-	-
57	3.5	8.5	0	0	3.8	4.2	2.3	2.4	1.7	4.0	1	4	3.0	5.0	1	4.4
58	2.3	4.1	0	0	3.2	4.7	2.5	2.6	2.5	6.0	1.1	3.8	2.7	4.7	-	1.6
59	2.3	3.4	0	0	3.0	4.0	1.7	2.7	1.9	3.4	1	1	2.1	4.7	1	3.5
60	3.8	3.0	0	2	2.8	3.4	1.3	1.8	1.8	4.0	1.8	1.8	3.1	2.9	2	2.6

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

(g) There was a decrease in Clinic Attendances for 1960, there being 2,704 attendances during the year, as compared with last year's total of 3,210. 464 Home Visits were paid to cases of Venereal Disease, as compared with the 1959 total of 412 during the year.

EPIDEMIC HOSPITAL (Non-European V.D.)

Admissions to this hospital totalled 456, a small decrease on last year's total of 460, but indicating the decrease in this disease that has been taking place in recent years, e.g. 1,312 in 1951-2, 561 in 1954, and 358 in 1955. The daily average of in-patients totalled 7, as compared with 8 last year, and 20 in 1954.

The ...../

VENEREAL DISEASE Cont'd.

The re-admissions for this period numbered 41, i.e. 9% of admissions as compared with 5.7%, 13.8%, 13.4%, 9.3% and 6.8% the preceding five years. An analysis of patients' 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	4	0	4
2) Patients thought themselves cured after only a few follow-up injections	2	0	2
3) Irregular follow-up treatment only	1	0	1
4) Patients stated no facilities for further treatment available near their homes	0	0	0
5) Patients unable to pay transport to obtain treatment	0	0	0
6) Patients unable to pay doctor for further treatment	0	0	0
7) Patients stated employers would not allow them to attend for further treatment or that could not leave work	0	0	0
8) Patients re-admitted suffering from forms of V.D. other than that originally admitted for	1	5	6
9) Relapsed though attended clinic fairly regularly	3	2	5
10) Reinfected after discharge	11	12	23
11) Goaled and received no further treatment ...	0	0	0

(4) PLAGUE

No cases of Plague occurred during the year. Regular inspecting 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. A single Departmental Rodent Officer devotes all his time to anti-rodent measures, rodent-proofing, trapping and poisoning (with Zinc Phosphide) and also with "Sorexa". Cyanogas pumping is also employed.

There are 3 Grain Stores in the City; all are now rodent-proofed. There are 2 mills in the City - additional rodent-proofing measures were required in both.

Trapping operations by Rodent Inspector: 11. Rodents trapped 21
Poisoning " " " " : 161. Rodents Poisoned:
(Bodies recovered) 52
(Amount of Poison meal used).. 110lbs.
Gassing operations by Rodent Inspector : 17. Bodies recovered 49
16 Dwellings completed rodent-proofing - 45 inspected
85 Business premises, shops and stores rodent-proofed - 163 inspected.
Stables - 5 inspected ; 1 Rodent-proofed.

New buildings in course of erection supervised for rodent-proofing : 42.
Vacant Lands gassed : 4.
Premises inspected prior to demolition : 18.
Premises gassed prior to demolition : 11.
Premises poisoned prior to demolition : 9.

(6) OTHER ...../

(6) OTHER COMMUNICABLE DISEASES:

(I) MALARIA

Control by spotting of larvae and spraying of selected breeding spots has again been carried out in the Borough. No malarial mosquito vectors were discovered inside the Borough and no new infections of malaria occurred within the Borough. 3 Imported cases of malaria (from Rhodesia) were notified.

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

(II) BILHARZIA

Regular surveys were carried out for the identification of snails. Copper Sulphate was used for the treatment of streams where Physopsis Africana were identified with a resultant rapid and considerable reduction in the number of snails found, treatment being repeated at 2 monthly intervals. No cases of Bilharzia were reported this year.

Snails examined	:	228
Physopsis Africana identified	:	14.

Warning notice boards have been erected at the various spots used as bathing spots.

(III) ENTERITIS in infants under the age of one year accounted for 21 deaths, (10 Native, 2 Coloured and 9 Indian), as compared with 31 last year.

(IV) MUMPS

This disease was only moderately prevalent in European children during the year, 14 cases being admitted to the (European) Isolation Hospital. Complicating encephalitis was seen in 1 case admitted to the Isolation Hospital.

(V) MEASLES

This disease was fairly prevalent in school children this year, 32 European and 18 Non-European Borough cases being admitted to the Isolation Hospitals. 4 Native and 3 Asiatic deaths from this disease were recorded. One (European) case of Measles Encephalitis was admitted to Hospital.

(VI) GERMAN MEASLES was only moderately prevalent this year.

(VII) CHICKEN POX

This disease was only moderately prevalent, 12 European and 9 Non-European cases being admitted to the Isolation Hospitals. One case was complicated by Encephalitis.

(VIII) WHOOPING COUGH

This disease was not very prevalent during the year, and no deaths were reported. Immunisation was carried out at the Infant Welfare Clinics, using a combined Whooping Cough and Diphtheria Vaccine. (See page 22-23). 15 Cases (all Natives) were admitted to our Infectious Diseases Hospitals from outside the City, and 2 European and 2 Native cases were admitted from the City area.

(7) WATER ...../

(7) WATER SUPPLY. (See page 58)

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 Aluminium Sulphate Lime, before filtration. After filtration, the water is treated with Chloramine before being distributed to the six service reservoirs. New covered service reservoirs at Hathorns Hill and Bisley of approximately 5 million gallons capacity each have recently been completed.

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 and immunised against Typhoid Fever at the same time. 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. It has been found that the Pietermaritzburg water supply contains no fluorine.

The water supply had proved inadequate for the expanding needs of the City, and restrictions had been imposed on the use of water. Metering was introduced and has substantially reduced the total consumption of water in the City. Consumption dropped by 21% on the introduction of this measure. It was also decided to raise the walls of the impounding dam at Henley by 23 feet so as to approximately treble the capacity of this dam and this work has now been completed, increasing the total storage capacity of the dam to 1,420 million gallons and providing an assured daily yield of 8 million gallons. The present use in Pietermaritzburg is about 5.5 million gals per day.

(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. The City Council acquired adjoining land, in order to extend the area available for sewage disposal, and a modern filtration plant was completed in 1956.

(9) MEAT SUPPLIES (See pages 61-63).

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. 178 Inspections of butchers' shops and 8 inspections of Butchers' carts were made by the Department's Health Inspectors. A list of meat, fish and fowl condemned after inspection is shown on pages 59-60.

The Abattoir Manager reports that during the year, 94,652 animals were slaughtered, a increase on the 1959 total of 92,775. Slaughtering at the Abattoir is carried out by this Department.

All blood and 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 not to continue with its plans for its own By-Products Plant. The rest of the scheme for expansion of the Abattoir has been continued. The construction of Non-European change-rooms, and the provision of new Railway Siding facilities has been completed. The siding is working satisfactorily. The lairage accommodation has already been improved by the provision of asbestos roofing and 7 additional dual purpose (sheep/pig) kraals and 6 additional cattle kraals have been completed.

New cold storage accommodation was completed and the extensions of the hanging and slaughtering halls have also been completed. A new administration block providing change rooms for the European Staff and offices for the

Abattoir ...../

(9) MEAT SUPPLIES Cont'd.

Abattoir Staff, the Meat Board Staff, the Graders and the Agents was commenced during the year. Health Inspectors from the Department have had to help out by carrying out Meat inspection duties at the Abattoir owing to absence of Abattoir staff. A qualified European Slaughterman supervises the work of the Native Slaughter Gang.

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 last 10 years:-

	CATTLE			CALVES			PIGS		
	Slaughtered	% Infected	% Condemned	Slaughtered	% Infected	% Condemned	Slaughtered	% Infected	% Condemned
1950-51	8,364	8.72	1.21	3,113	5.30	1.28	6,445	2.17	1.69
1951-52	10,740	8.69	0.94	2,428	5.02	1.35	4,148	3.18	2.60
1952-53	11,438	7.03	0.62	2,345	4.64	1.02	2,470	1.65	1.21
1953-54	11,578	9.21	1.5	2,554	3.13	1.33	3,154	1.04	0.91
1954-55	99,271	9.35	1.4	1,643	3.59	1.82	3,385	1.35	1.21
1956	13,626	8.66	1.4	1,814	4.35	1.92	3,715	1.02	0.88
1957	13,217	7.23	0.98	1,990	4.02	1.7	4,050	0.83	0.69
1958	15,227	5.54	1.13	2,510	5.30	2.35	4,858	0.98	0.84
1959	16,627	8.68	1.11	2,767	3.25	1.55	5,280	1.79	1.60
1960	17,165	8.3	1.6	3,410	3.7	1.6	5,833	1.9	1.7

(10) MILK SUPPLIES

The milk supply has been carefully controlled throughout the year. It was derived from 43 producer-distributors, 12 in the Borough, and 31 Out-of-Borough, and 80 producers, 3 Borough and 77 Out-of-Borough, who send their milk to one pasteurisation plant in the Borough, from where it is distributed after pasteurisation. All these dairymen are registered with this Department and their premises are inspected regularly. Approximately 74% of the milk sold in Pietermaritzburg was pasteurised.

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

During the year the routine Vi-testing of dairy employees was continued. Specimens, which are taken at the dairies or at the Health Department, are sent by pullman transport to the Durban Government Laboratory for examination, thus reaching the laboratory the same day as taken.

797 Vi-tests were done on dairy employees, 9 of these being check retested, but finally not found to be positive. 482 Dairy personnel (446 Natives, 8 Coloured and 28 Asiatics) were immunised against Typhoid Fever, 837 inoculations being given.

(11) OTHER FOOD SUPPLIES (Pages 57-60)

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 59-60). 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 64. Careful attention is paid to storage conditions, particularly to rodent-proofing, and there is a considerable improvement in this connection. 314 Inspections of the Borough Market and 2,589 inspections of other premises manufacturing or handling food were made. (Pages 65-66).

Food ...../

(11) OTHER FOOD SUPPLIES Cont'd.

Food and Drugs Act. (Pages 57-58).

Under the Food, Drugs and Disinfectants Act, 76 samples were taken, and the results of the analyses were as follows:-

Milk: 35 Samples: 1 Sample not in accordance with requirements in regard to Fat, and 3 samples (including the one also deficient in Fat) not in accordance with Solids-not-Fat requirement.

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

Cream: 6 Samples: All in accordance with standards laid down.

Mince Meat: 23 Samples: 21 Samples in accordance with standards laid down; 2 samples contained preservative.

Sausage: 8 Samples: All in accordance with standards laid down.

Boerewors: 1 Sample: In accordance with standards laid down. (deficient in Fat)

In the case of one of the defective Milk Samples prosecution resulted in a fine of £2. Prosecution in the case of the adulterated mince meat samples resulted in a fine of £2 in each case. A letter was written to the dairyman in the case of the samples of milk defective in Solids-not-Fat.

Outbreaks of Food Poisoning.

3 Outbreaks of food poisoning were reported. One occurred in a boarding school. Out of 84 boarders and 13 staff 49 children and 3 staff members became ill with the usual gastro-intestinal symptoms. None of the suspected food could be obtained for examination. Haemolylic Coagulase positive Staph. Aureus and a Paracolon group organism were isolated from stools. A second outbreak involved 5 adults, but the suspected foods showed Haemolylic Streptococci and Haemolylic Staphylocci, while the stools showed Proteus B. In the third outbreak one person was involved. The suspected food (Biltong) showed Streph. Albus and B. Subtilis, but only B. Proteus was recovered from the patients stools.

(12) MATERNITY AND CHILD WELFARE (Page 56).

The European Infantile Mortality Rate of 23.9 showed a small increase on last year's figure of 20.6.

The Coloured Infantile Mortality Rate of 47.6 was nearly double last year's figure of 24.3.

The Native Infantile Mortality Rate was 98.2, a considerable improvement on last year's figure of 147.6.

The Asiatic Infantile Mortality Rate was 45.5 as compared with 40.6 last year.

The main causes and age groupings of Infantile Mortality in the different races are shown on pages 36-37.

In Europeans prematurity was again the main cause accounting for over 50% of the Infantile deaths. Prematurity, Diarrhoea and Enteritis and Broncho-Pneumonia were the chief causes of Non-European Infantile Mortality.

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 56.

Diphtheria and Poliomyelitis immunisation was continued as one of the important activities of the Infant Welfare Clinics. 2332 Children were immunised against Diphtheria (European 596; Native 197; Coloured 243; Asiatic 1296), as compared with 2254 last year.

Of ...../

(12) MATERNITY AND CHILD WELFARE Cont'd.

Of the total given above 203 European, 72 Native, and 70 Coloured infants were immunised against Whooping Cough at the same time as against Diphtheria. Asiatics were generally not given the combined vaccine on account of the difficulty experience in persuading them to attend for the full course of 3 injections. (See page 11).

Child Welfare Clinic attendances have been as follows:-

	European	Native	Coloured	Asiatic
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
1954	6,577	4,674	1,743	4,872
1955	5,926	7,023	1,984	6,012
1956	7,034	7,764	1,984	6,514
1957	6,884	6,928	2,245	6,870
1958	7,798	7,408	2,052	7,673
1959	8,946	8,864	2,701	8,544
1960	8,406	9,592	2,601	9,756

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

Successful Vaccinations (under 2 years)	:	148
" " (over 2 years)	:	33
Insusceptible to Vaccination (under 2 years)	:	5
" " " (over 2 years)	:	3
Vaccinations Postponed	:	-

Vaccinations carried out by this Department at the Infant Clinic sessions totalled:-

Eur. 668; Nat. 339; Col. 286; Asiatic : 1113; Total : 2406

Maternal Mortality.

No deaths were recorded from this cause.

The Midwifery Training School at Grey's Hospital provides midwifery services for Europeans, Coloureds and Asiatics in the wards of Grey's Hospital, and district Midwifery Services in Pietermaritzburg for Europeans, Coloureds and Asiatics. In addition, Ante-Natal Clinic Services for these races are provided. The Native Maternity Wards and Ante-Natal Services have been transferred to the new Edendale Hospital. Native District Midwifery is carried out by the Municipal Native Midwife in the Sobantu Village.

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

Borough Cases:

(a) Ante-Natal Clinic Attendances

Europeans	:	2,241
Coloureds	:	1,912
Asiatics	:	2,411
TOTAL		6,564

(b) District Midwifery Visits:

Europeans	:	996
Coloureds	:	1,551
Asiatics	:	6,297
TOTAL		8,844

(c) District Confinements.

Europeans, 33; Coloureds, 67; Asiatics, 312: Total, 412.

The Municipal Native Midwife conducted 86 confinements and paid 1,500 visits in connection with confinement cases (555 Ante-Natal and 945 Post-Natal).

In ...../

Maternal Mortality Cont'd.

In addition, an Ante-Natal Clinic was held at the Sobantu Village Dispensary for these patients:-

No. of New Patients	Ante-Natal Attendances	W.R.'s taken	W.R.'s Positive	Rh Positive	Rh Negative
131	349	107	12	97	10

6 Patients were sent to hospital for confinement because of abnormalities of Labour.

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 7 confinements. 2 Midwives' bag inspections were made.

(13) BY-LAW NOTICES AND PROSECUTIONS (Pages 65-67).

3,357 Notices and formal letters were served regarding breaches of the Borough By-Laws. 29 Prosecutions were initiated in the Magistrate's Court, as detailed on page 65. The total of inspections carried out this year was 19,110 as compared with 18,136 last year. Health Inspectors were also diverted to the Abattoir to assist with Meat Inspection duties because of shortage of staff.

(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: 58 Complaints were received and dealt with.

Medical Examination of Natives:

Number Examined	Referred to TB Clinic after Min. X-Ray (See p.48)	Rejected V.D.	Rejected Other Causes	Vaccinated
Male : 19,581	187	51	5 (4 Scabies)	
Female : 32	-	2	-	
TOTAL : 19,613	187	53 (0.3%)	5 -	19,195

The number of Native female domestic servants coming forward for voluntary examination remains extremely low. Every person appearing at the Pass Office who does not possess evidence of recent successful vaccination, is vaccinated (a single insertion only). A Miniature X-Ray is taken of every Native attending the Medical Examination sessions, unless they have been recently X-Rayed.

Sobantu (Native) Village Dispensary.

The 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.

Number ...../

Sobantu (Native) Village Dispensary. Cont'd.

Number of New Patients attending Dispensary	:	2,689
Re-attendances at Dispensary	:	450
Home Visits	:	1,736
Surgical Dressings	:	6,807

The Council's trained Native District Nurse carried out a total of 4,318 Home Nursing Visits, 707 New Cases being registered this year.

Health Propaganda:

Our Envelopes all carry Diphtheria immunisation slogens. Considerable publicity was obtained through the press when the first Oral Poliomyelitis Vaccine Campaign was conducted.

(15) STAFF

The Staff of the Department at 31st December, 1960, was as follows:-

ADMINISTRATIVE AND OFFICE

Medical Officer of Health	:	M. Maister, B.A, M.B., Ch.D., D.P.H.
Asst. Medical Officer of Health	:	K. J. Aitken, M.B., Ch.B., D.P.H.
Clinical Medical Officer	:	N. L. Becker, M.B., Ch.B., D.P.H.
Chief Clerk	:	E. Bastow
Clerk	:	E. D. Gafney
Junior Clerk	:	Miss N. Wilkinson
Senior Woman Clerical Asst. ...	:	Miss E. M. Hughes
Junior Woman Clerical Assts. ..	:	Mrs. D. Cox
		Miss Y. W. Gafney
		Miss H. Bodkin

INSPECTORATE

Chief Health Inspector	:	C. F. Wyatt, Cert. R.S.I., Meat & Other Foods Cert. R.S.I., Tropical Hygiene Cert. R.S.I.
Health Inspectors	:	D. C. Johnston, Cert. R.S.I., Tropical Hygiene Cert. R.S.I.
	:	C. L. O. Iversen, Cert. R.S.I., Meat & Other Foods Cert. R.S.I., Trop. Hygiene Cert. R.S.I.
	:	S. Tulleken, Cert. R.S.I., Meat & Other Foods Cert. R.S.I., Tropical Hygiene Cert. R.S.I.
	:	D. S. Wark, Cert. R.S.I.
	:	B. C. J. van der Merwe, Cert. R.S.I.
	:	J. A. Lourens, Cert. R.S.I.
Malaria Officer	:	R. F. Fryer.
Rodent Officer	:	G. Fairfield.

Handyman & Transport Officer.
1 Indian Fumigation Assistant.

/ HEALTH VISITING .....

(15) STAFF Cont'd.

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.
	:	Mrs. M. Campbell, Health Visitor's Cert. R.S.I.; Mothercraft Cert., Fever Cert.
	:	Mrs. I. Ellis, Health Visitor's Cert. R.S.I.; Reg. Mental Nurse, S.A.N.C.
	:	Mrs. D. Evans, Health Visitor's Cert. R.S.I.
Clinic Sister	:	Mrs. B.A. Mitchell, Health Visitor's Cert. R.S.I.
Clinic Clerks	:	Mrs. A. C. Ferguson.
	:	Mrs. E. Lehman
Native Health Visitor	:	Miss Ngema, Health Visitor's Cert. R.S.I.

NATIVE NURSING AND HEALTH ASSISTANT STAFF

Native Nurse (Sobantu Village Dispensary	:	Nurse Sophia Masongoa, Health Visitor's Cert. R.S.I.
District Native Nurse	:	Nurse Lulu Ngubane, S.A.N.C. Cert. (General & Midwifery)
District Native Midwife	:	Nurse Georgina Yeni, S.A.N.C. Cert. (General & Midwifery)
Native Health Assistants	:	G. Rodolo, S. Makoena and M. Hlongwane.

ISOLATION HOSPITAL

Matron	:	A. E. Konstam (Acting)
Sisters	:	J. V. Bowers, T.F. Walker, K. B. Pechey.
Night Sister	:	K. E. Koen.
Probationer Nurses	:	M. Piek, A. S. du Toit.
1 Housekeeper	:	Mrs. C. Crawley
14 Domestic Servants		
1 Native Night Watchman		

NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL

Matron	:	C. le Steers.
Male Nurse	:	K. R. Whitton
1 Housekeeper	:	Mrs. A. Roberts
Native Staff Nurses	:	10
Native Probationer Nurses	:	8
Native Domestic Staff	:	27
Native Night Watchman	:	1

EPIDEMIC HOSPITAL

Male Nurse	:	K. Whitton.
Native Staff Nurse	:	Position Vacant.
Native Orderlies	:	2
Night Watchman	:	1
Native Cook	:	1

ABATTOIR

Manager	:	R. M. Brock, 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.
	:	H. C. Claasen, Cert. R.S.I.; Meat & Other Foods Cert. R.S.I.
Clerk	:	W. L. J. Powell
Stockyard Foreman	:	N. J. Kriel
Slaughterman	:	P. D. Bearpark.

* * * * * * * * *

REPORT B.

(1) HOUSING.

The City Council completed 245 dwellings for Asiatics at Northdale, and commenced a Coloured "Economic" Housing Scheme of 50 houses (3 bedroom type) at Woodlands.

Powers under the Borough By-Laws have been exercised sparingly in dealing with insanitary dwellings, owing to the acute housing shortage. 29 dwellings were condemned for demolition under Public Health By-Law 17. (19 of these being demolished by the end of the period under review), and 48 dwellings were voluntarily demolished mostly to make way for new buildings. The availability of new dwellings at Northdale has permitted a step up in Departmental activity in securing demolitions of slum dwellings.

Plans.

All plans of new buildings are submitted by the City Engineer to this Department for our observations.

	Approved Outright	Approved Subject to Alterations	Disapproved	Referred for additional information	Total Submitted
1960	500	84	31	74	689

New Buildings.

The City Engineer reports that 120 dwellings and 137 flats (8 blocks) were completed for Europeans, 9 flats (1 block), and 23 dwellings were built for Non-Europeans (4 Coloureds, 18 Asiatics, and 1 Native). These dwellings were provided by Private Enterprise.

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

The Pietermaritzburg Sobantu Village, situated about 3 miles from the centre of Town now contains 1,091 occupied houses and various public buildings, with an estimated population of 9,000. Water is supplied by communal standpipes from the Corporation Water Supply, and sanitation is by the pail system, separate from 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.

Although there is still room available at the Sobantu Village, the Government will not permit the extension of this scheme and the Economic Houses constructed 4 years ago are the last houses to be built at this Village. All the houses at the Sobantu Village have been built by Native labour, under European supervision. The Council has under consideration a scheme for a new Native Village at Slangspruit.

There are three Corporation Hostels for single Natives. For Males there is a newly extended East Street Hostel (and annexes) now housing 2,300 Natives, and the Ortman Road Hostel with a capacity of 102. The Women's Hostel in Church Street houses 430 women, and an additional Women's Hostel housing 200 Natives has been established at Oribi to serve the Government Village mainly. These Hostels are under the control of the Department of Bantu Administration, 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. 576 Temporary Licences were granted during the year to house unexempted Natives under the Natives (Urban Areas) Act, pending the provision of more accommodation.

The ...../

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

The Council has also provided the following Native Compounds:-

Wattles Department : 4 (Cement-block) buildings for males (housing 80 Native males);and
3 (Cement-block) buildings for females (seasonal labour, housing 60 Native females).

City Engineer's Department - Sewage Farm : 2 (brick) buildings housing 53 Native males.

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 one compound housing sewage farm workers. This compound consists of 26 houses and 6 rooms, well constructed in brick, and houses Asiatic Labourers, together with their wives and families, totalling 308 persons.

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 following estimates of housing needs based on recent surveys of the housing needs of the City have been supplied by the Estates Manager:-

A. Coloured Housing.

(1) Economic Housing:

Size of House Required	:	No. required
One bedroom type	:	5
Two bedroom type	:	42
Three bedroom type	:	62
		109

Income Groups:

R.40 - 60	:	33
R.60 - 80	:	16
R.80 - 100	:	19
R.100 - 120	:	8
Over R.120	:	33
		109

(2) Requirements to meet Group Areas action:

Economic Houses:

Income Groups :	R.40 - 60	:	3
	R.60 - 80	:	4
	R.80 - 100	:	7
	Over R100	:	41
			55

(3) Sub-Economic Housing: ...../

(A) Coloured Housing. Cont'd.

(3) Sub-economic Housing:

(a) No. of Houses required : 35.

(b) No. required to meet Group Areas Requirements : 16.

(B) Asiatic Housing:

(This estimate includes the Municipal Area, and the Local Health Commission areas of Plessislaer, Edendale, Mount Partridge and Ockert's Kraal as the City will require to provide under the Group Areas requirements for these areas.)

(1) Existing Housing Shortage:

No. of families requiring accommodation:

Sub-economic	:	302	(40%)
Economic	:	437	(40%)
Total	:	739	

(a) Distribution of families in Income Groups:

R40 - 60	60 - 80	80 -100	over R100	Total
304	98	27	8	437
69.6%	22.4%	6.2%	1.8%	

(b) Size of House Required:

2 Bedroomed House	3 Bedroomed House	Total
121	316	437

(2) Housing requirement due to implementation of Group Areas Act, (by expiry dates).

Income distribution of affected families:

	R0 - 40	R40 - 60	R60 - 80	R80 -100	Over R100	Total
1961	16	10	14	8	38	86
1965	95	165	201	85	54	82
1967	2	2	2	11	39	56

The ..../

3. Asiatic Housing. Cont'd.

The estimated housing needs for the Native population (figures supplied by the Director, Department of Bantu Administration) are as follows:-

Married Quarters	:	1,000 Houses.
Single Quarters	:	3,000 Houses.

New Council Housing Schemes:

A scheme for 245 'economic' and 'sub-economic' houses for Asiatics was completed during the year at Northdale.

Further, Housing Schemes for sub-economic and 'economic' houses for Asiatics, and a 'economic' scheme for Coloureds in Northdale and Woodlands respectively are being considered by the City Council.

* * * * * * *

DEATHS

The detailed International List of Causes of Death as adapted for use in the Union of South Africa (6th 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.												
02. Pulmonary Tuberculosis	0	0	0	4	6	10	0	0	0	1	1	2
10. Tuberculosis Meninges & C.N.S.	0	0	0	0	0	0	0	0	0	0	0	0
11. Tuberculosis of intestines, peritoneum & mesenteric glands	0	0	0	0	1	1	0	0	0	0	0	0
12. Tuberculosis of bones & joints	0	0	0	1	0	1	0	0	0	0	0	0
18. T.B. of other organs	0	0	0	1	0	1	0	0	0	0	0	0
19. Disseminated Tuberculosis	0	0	0	1	0	1	0	0	0	0	0	0
20. Congenital Syphilis	0	0	0	0	1	1	0	0	0	0	0	0
23. Other Cardiovascular Syphilis	0	0	0	1	0	1	0	0	0	0	0	0
25. General Paralysis of Insane	0	0	0	0	0	0	0	0	0	0	0	0
40. Typhoid Fever	1	0	1	0	0	0	0	0	0	0	0	0
46. Amoebiasis	0	0	0	1	0	1	0	0	0	0	0	0
53. Septicaemia and pyaemia.	0	0	0	0	0	0	0	1	1	0	0	0
55. Diphtheria	0	1	1	1	0	1	0	0	0	0	0	0
57. Meningococcal Infections	0	0	0	0	0	0	1	0	1	1	0	1
61. Tetanus	0	0	0	0	0	0	0	0	0	0	0	0
82. Acute Infectious Encephalitis	0	0	0	0	0	0	0	0	0	0	0	0
85. Measles	0	0	0	1	3	4	0	0	0	2	1	3
92. Infectious Hepatitis	0	0	0	0	1	1	0	0	0	0	0	0
22. Other protozoal diseases	0	0	0	0	1	1	0	0	0	0	0	0
TOTAL : GROUP I	1	1	2	11	13	24	1	1	2	4	2	6
) NEOPLASMS.												
Malignant Neoplasm of:-												
40. Lip	1	0	1	0	0	0	0	0	0	0	0	0
41. Tongue	1	0	1	1	0	1	1	0	1	0	0	0
44. Other parts of mouth/unspecified	0	0	0	0	0	0	0	0	0	0	1	1
50. Oesophagus	0	1	1	1	0	1	0	0	0	0	0	0
51, Stomach	2	2	4	0	0	0	0	0	0	1	0	1
52. Small intestine including duodenum	0	0	0	1	0	1	0	0	0	0	0	0
53. Large intestine, excluding rectum	5	4	9	0	0	0	0	0	0	1	0	1
54. Rectum	0	1	1	0	0	0	0	0	0	1	0	1
55. Biliary passages and liver	0	0	0	1	0	1	0	0	0	0	0	0
56. Liver (secondary and unspecified)	0	0	0	1	0	1	0	0	0	0	0	0
57. Pancreas	2	3	5	0	0	0	0	0	0	0	0	0
59. Unspecified digestive organs.	0	2	2	0	0	0	0	0	0	0	0	0
61. Larynx	1	0	1	0	0	0	0	0	0	0	0	0
62. Trachea, bronchus and lung - primary	2	0	2	0	0	0	1	0	1	0	0	0
63. " " " " - unspec.	5	0	5	0	0	0	0	0	0	0	0	0
70. Breast	0	2	2	0	0	0	0	1	1	0	2	2
71. Cervix Uteri	0	0	0	0	0	0	0	0	0	0	0	0
72. Corpus uteri	0	1	1	0	0	0	0	0	0	0	0	0
75. Ovary, Fallopian tube & broad ligt.	0	1	1	0	0	0	0	0	0	0	0	0
77. Prostate	2	0	2	0	0	0	0	0	0	0	0	0
81. Bladder & other urinary organs	3	0	3	0	0	0	0	0	0	0	0	0
92. Eye	1	0	1	0	0	0	0	0	0	0	0	0
94. Thyroid Gland	1	0	1	0	1	1	0	0	0	0	0	0
96. Bone	1	0	1	0	0	0	0	0	0	0	0	0
99. Other & unspecified sites	1	1	2	1	0	1	0	0	0	0	0	0
200. Lymphosarcoma and reticulosarcoma	1	0	1	0	0	0	0	0	0	0	0	0
201. Hodgkins disease	0	1	1	0	0	0	0	0	0	0	0	0
204. Leukaemia and Aleukaemia	5	0	5	1	0	1	0	0	0	1	0	1
237. Brain & Nervous system - unspec. nature	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GROUP II	34	19	53	8	1	9	2	1	3	4	3	7
Total C/Forward	35	20	55	19	14	33	3	2	5	8	5	13

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	35	20	55	19	14	33	3	2	5	8	5	13
II) ALLERGIC ENDOCRINE SYSTEM. METABOLIC AND NUTRITIONAL DISEASES.												
41. Asthma	2	1	3	0	1	1	0	1	1	2	1	3
52. Thyrotoxicosis	0	1	1	0	0	0	0	0	0	0	0	0
60. Diabetes Mellitus	1	2	3	1	0	1	0	0	0	0	0	0
70. Disorders of pancreatic internal secretion other than Diabetes Mell.	0	0	0	0	0	0	0	0	0	0	0	0
74. Dis. of adrenal glands	0	0	0	0	0	0	0	0	0	1	0	1
77. Polyglandular dysf. & other dis. of endocrine glands	0	0	0	0	0	0	0	0	0	0	0	0
81. Pellagra	0	0	0	1	0	1	0	0	0	0	0	0
86. Other Avitaminoses & nutritional deficiency states	0	0	0	4	10	14	0	1	1	0	0	0
TAL : GROUP III	3	4	7	6	11	17	0	2	2	3	1	4
IV) DISEASES OF THE BLOOD.												
91. Iron deficiency anaemias	0	1	1	0	0	0	0	0	0	0	0	0
92. Other Anaemias, specified type	0	0	0	0	0	0	0	0	0	0	0	0
93. Anaemia, unspecified type	0	0	0	0	0	0	0	0	0	1	0	1
95. Haemophilia	0	0	0	0	0	0	0	0	0	0	0	0
96. Purpura & other haemorrhagic condns.	0	0	0	0	0	0	0	0	0	0	0	0
99. Other dis. of blood & blood form. org.	1	0	1	0	0	0	0	0	0	0	0	0
TAL : GROUP IV	1	1	2	0	0	0	0	0	0	1	0	1
V) MENTAL, PSYCHONEUROTIC & PERSONALITY DISORDERS.												
4. Senile Psychosis	0	0	0	0	0	0	0	0	0	0	0	0
TAL : GROUP V	0	0	0	0	0	0	0	0	0	0	0	0
I) DISEASES OF THE NERVOUS SYSTEM												
0. Subarachnoid haemorrhage	0	0	0	0	0	0	0	0	0	0	0	0
1. Cerebral haemorrhage	5	14	19	1	3	4	1	1	2	8	5	13
2. Cerebral embolism & thrombosis	2	6	8	2	0	2	1	0	1	0	0	0
0. Meningitis	1	0	1	2	0	2	0	0	0	0	1	1
5. Multiple Sclerosis	0	1	1	0	0	0	0	0	0	0	0	0
2. Other cerebral paralysis	0	0	0	0	0	0	0	0	0	0	0	0
3. Epilepsy	0	0	0	0	0	0	0	0	0	0	1	1
5. Other diseases of brain	0	0	0	0	0	0	0	0	0	0	0	0
8. Other diseases of peripheral nerves except autonomic	0	0	0	0	0	0	0	0	0	0	0	0
TAL : GROUP VI	8	21	29	5	3	8	2	1	3	8	7	15
I) DISEASES OF THE CIRCULATORY SYSTEM.												
0. Diseases of Mitral Valve	0	0	0	0	0	0	0	0	0	0	0	0
4. Other endocarditis spec. rheumatic	0	1	1	0	0	0	0	0	0	1	2	3
5. Other myocarditis - rheumatic	0	2	2	0	0	0	0	0	0	0	0	0
6. Other heart dis. spec. rheumatic	0	0	0	0	0	0	0	0	0	0	0	0
0. Arteriosclerotic heart dis. inc. Coronary Thrombosis	40	18	58	0	0	0	3	1	4	19	4	23
1. Chronic endocarditis not spec. rheum.	0	0	0	0	0	0	0	0	0	0	0	0
2. Other myocardial degeneration	5	7	12	1	0	1	0	0	0	6	2	8
1. Acute myocarditis - not rheumatic	2	0	2	0	0	0	0	0	0	0	0	0
3. Functional dis. of heart	0	1	1	0	0	0	0	0	0	0	0	0
4. Other & unspecified dis. of heart	6	4	10	4	0	4	0	1	1	3	4	7
0. Ess. Benign Hyperten. with heart dis.	1	0	1	0	0	0	0	0	0	0	0	0
1. Ess. mal. hyperten. with heart dis.	1	2	3	0	1	1	0	0	0	1	0	1
3. Other & unspec. hyperten. " "	2	2	4	0	0	0	0	1	1	3	0	3
5. Ess. Malig. Hyperten. without mention of heart	0	1	1	0	0	0	0	0	0	1	0	1
7. Other hypertensive disease without mention of heart	0	0	0	0	0	0	0	0	0	0	0	0
0. General arteriosclerosis	4	3	7	0	0	0	0	0	0	0	0	0
1. Aortic an. - non-syph. - & diss. an.	4	0	4	0	1	1	0	0	0	0	0	0
2. Other aneurysm exc. of heart & aorta	1	0	1	0	0	0	0	0	0	0	0	0
4. Arterial embolism and thrombosis	1	0	1	0	0	0	0	0	0	0	0	0
5. Pulmonary embolism & infarction	1	4	5	0	1	1	0	0	0	0	0	0
TAL : GROUP VII	68	45	113	5	3	8	3	3	6	34	12	46
Total C/Forward	115	91	206	35	31	66	8	8	16	54	25	79

DEATHS Cont'd

	EUROPEAN RESIDENTS			NATIVE RESIDENTS			COLOURED RESIDENTS			ASIATIC RESIDENTS		
	M	F	P	M	F	P	M	F	P	M	F	P
Total B/Forward	115	91	206	35	31	66	8	8	16	54	25	79
III DISEASES OF THE RESPIRATORY SYSTEM												
75. Acute upper respiratory infection of unspecified sites	0	0	0	0	0	0	0	0	0	0	0	0
80. Influenza with pneumonia	0	0	0	0	0	0	0	0	0	0	0	0
83. Influenza with nervous manifest.	0	0	0	0	0	0	0	0	0	0	0	0
90. Lobar pneumonia	5	2	7	9	0	9	1	0	1	6	0	6
91. Broncho-pneumonia	5	5	10	12	11	23	1	1	2	5	11	16
93, Pneumonia other & unspecified	2	2	4	0	1	1	0	0	0	0	0	0
00. Acute Bronchitis	0	1	1	0	0	0	0	0	0	0	0	0
02. Chronic Bronchitis	2	1	3	0	0	0	0	1	1	1	0	1
18. Empyema	0	1	1	1	0	1	0	0	0	0	0	0
21. Abscess of lung	0	0	0	1	1	2	0	0	0	0	0	0
22. Pulm. congestion and hypostasis	1	1	2	2	0	2	1	0	1	1	1	2
25. Other Chronic interstitial Pneumonia	0	1	1	1	0	1	0	0	0	0	0	0
26. Bronchiectasis	0	0	0	0	0	0	0	0	0	0	0	0
27. Other dis. of lung & pleural cavity	0	1	1	2	0	2	0	0	0	0	0	0
TOTAL : GROUP VIII	15	15	30	28	14	42	3	2	5	13	12	25
IX) DISEASES OF THE DIGESTIVE SYSTEM												
40. Ulcer of the stomach	2	1	3	0	0	0	0	0	0	2	0	2
41. Ulcer of duodenum	1	0	1	0	0	0	0	0	0	0	0	0
44. Disorders of function of stomach	0	0	0	0	0	0	0	0	0	0	0	0
45. Other dis. of stomach & duodenum	0	1	1	0	0	0	0	0	0	0	0	0
50. Acute appendicitis.	1	0	1	0	0	0	0	0	0	0	0	0
70. Intest. obstruction - no hernia	0	1	1	0	1	1	0	0	0	1	0	1
71. Gastro-enteritis (over 4 weeks)	0	1	1	4	10	14	3	0	3	9	3	12
76. Peritonitis	1	0	1	0	0	0	0	0	0	0	0	0
78. Other diseases of intestines & peritoneum	0	0	0	0	0	0	0	0	0	0	0	0
80. Acute & subacute yellow atrophy of liver	0	0	0	0	0	0	0	0	0	0	0	0
81. Cirrhosis of liver	0	1	1	2	0	2	0	0	0	0	0	0
83. Other diseases of liver.	0	0	0	2	0	2	0	0	0	0	0	0
84. Cholelithiasis	0	0	0	0	0	0	0	0	0	0	0	0
87. Dis. of Pancreas	1	0	1	0	0	0	0	0	0	2	0	2
TOTAL : GROUP IX	6	5	11	8	11	19	3	0	3	14	3	17
X) DISEASES OF THE GENITO-URINARY SYSTEM												
90. Acute Nephritis	0	0	0	1	0	1	0	0	0	0	0	0
92. Chronic nephritis	1	2	3	0	1	1	0	0	0	0	0	0
93. Nephritis not spec. as acute/chronic	0	0	0	1	0	1	0	0	0	0	0	0
94. Other renal sclerosis	0	0	0	0	0	0	0	0	0	0	0	0
00. Infections of kidney	0	0	0	0	0	0	0	0	0	1	0	1
01. Hydronephrosis	0	1	1	0	0	0	0	0	0	0	0	0
10. Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	1	0	1
30. Infect. dis. of uterus, vagina and vulva	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : GROUP X	1	3	4	2	1	3	0	0	0	2	1	3
Total C/Forward	137	114	251	73	57	130	14	10	24	83	41	124

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	114	251	73	57	130	14	10	24	83	41	124
XI) DELIVERIES & COMPLICATIONS OF PREGNANCY, CHILDBIRTH & PUERPERIUM												
651. Abortion with sepsis	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP XI	0	0	0	0	0	0	0	0	0	0	0	0
XII) DISEASES OF SKIN AND CELLULAR TISSUE												
692. Other cellulitis and abscess	0	0	0	0	0	0	0	0	0	0	0	0
760. to 716. Other dis. of skin	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL : GROUP XII	0	0	0	0	0	0	0	0	0	0	0	0
XIII) DISEASES OF THE BONES												
730. Osteomyelitis & periostitis	0	0	0	0	0	0	0	0	0	0	0	0
744. Other dis. of muscle, tendon & fascia	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL : GROUP XIII	0	0	0	0	0	0	0	0	0	1	0	1
XIV) CONGENITAL MALFORMATIONS												
751. Spina bifida and meningocele.	0	0	0	0	0	0	0	0	0	0	1	1
752. Congenital hydrocephalus.	0	0	0	0	0	0	0	0	0	0	1	1
753. Other congenital malformations of nervous system and sense organs.	0	0	0	1	0	1	0	0	0	0	0	0
754. Congenital malformation of circulatory system	1	0	1	1	0	1	0	0	0	0	0	0
756. Congenital malformations of digestive system.	0	0	0	0	1	1	0	0	0	0	0	0
757. Congenital malformations of genito-urinary system.	0	0	0	0	0	0	0	0	0	0	1	1
759. Other and unspecified congenital malformations.	0	0	0	0	0	0	0	0	0	0	2	2
TOTAL : GROUP XIV	1	0	1	2	1	3	0	0	0	0	5	5
XV) CERTAIN DISEASES OF EARLY INFANCY												
760. Intracranial & spinal injury at birth.	1	0	1	0	0	0	0	0	0	0	0	0
762. Postnatal asphyxia & atelectasis	0	1	1	0	0	0	0	0	0	1	0	1
764. Diarrhoea of newborn	0	0	0	1	0	1	0	0	0	0	0	0
770. Haemolytic dis. of newborn	1	2	3	1	0	1	0	0	0	0	0	0
773. Ill-defined diseases peculiar to early infancy	0	0	0	0	0	0	0	0	0	0	0	0
774. Immaturity with other subsidiary condition	0	0	0	0	0	0	0	0	0	1	0	1
775. Immaturity subsidiary to some other cause	0	0	0	0	0	0	0	0	0	0	0	0
776. Immaturity - unqualified	4	6	10	11	7	18	2	2	4	6	1	7
TOTAL : GROUP XV	5	9	14	13	7	20	2	2	4	8	1	9
XVI) SYMPTOMS, SENILITY & ILL-DEFINED CONDITIONS												
782. Symptons referable to cardiovasc. & lymphatic systems	3	1	4	1	0	1	0	1	1	4	3	7
783. Symptoms referable to respiratory system	0	0	0	0	0	0	0	0	0	0	0	0
786. Symptoms referable to genito-urinary system	0	0	0	0	0	0	0	0	0	0	0	0
788. Other general symptoms	0	0	0	0	0	0	0	0	0	0	0	0
792. Uraemia - unqualified	4	5	9	0	1	1	0	0	0	2	0	2
794. Senility - without psychosis	1	5	6	0	1	1	2	0	2	0	0	0
795. Ill-defined & unknown causes	3	4	7	17	16	33	3	1	4	7	2	9
TOTAL : GROUP XVI	11	15	26	18	18	36	5	2	7	13	5	18
TOTAL	155	138	293	108	83	189	21	14	35	105	52	157

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	155	138	293	106	83	189	21	14	35	105	52	157
XVII) ACCIDENTS, POISONING & VIOLENCE.												
E 801. Railway accident - involving passenger	0	0	0	0	0	0	0	0	0	0	0	0
E 802. Railway accident - involving other persons	0	0	0	1	1	2	0	0	0	0	0	0
E 810. Motor vehicle traffic accident - collision with railway train	0	0	0	1	0	1	0	0	0	0	0	0
E 812. Motor vehicle traffic accident to pedestrian	3	0	3	0	1	1	2	0	2	0	0	0
E 813. Motor vehicle acc. to pedal cyclist	0	0	0	1	0	1	0	0	0	1	0	1
E 815. Motor vehicle acc. to rider of motor cycle in collision	1	0	1	0	0	0	0	0	0	0	0	0
E 816. Other motor vehicle traffic accident - 2 or more vehicles	1	0	1	0	0	0	0	0	0	0	0	0
E 820. Motor vehicle accident - boarding and alighting	0	0	0	0	0	0	0	0	0	0	0	0
E 822. Motor vehicle accident -overturning	1	0	1	0	0	0	0	0	0	0	0	0
E 823. Motor vehicle accident - running off roadway	1	1	2	0	0	0	0	0	0	0	0	0
E 825. Motor vehicle accidents - unspec.	0	1	1	0	0	0	0	0	0	0	0	0
E 831. Motor veh. non-traffic acc. to pedal cyclist	0	0	0	1	0	1	0	0	0	0	0	0
E 835. Motor vehic. non-traffic nature - other/unspec.	0	0	0	0	0	0	0	0	0	1	0	1
E 840. Street car accident to pedestrian	0	0	0	1	0	1	0	0	0	0	0	0
E 871. Accidental poisoning -barbiturates	0	0	0	0	0	0	0	0	0	0	0	0
E 874. Accidental poisoning - other analgaesic & soporific drugs	0	0	0	0	0	0	0	0	0	0	0	0
E 880. Accidental poisoning by alcohol	0	0	0	1	0	1	0	0	0	0	0	0
E 892. Accidental poisoning - other carbon monoxide gas	0	0	0	0	0	0	0	0	0	0	0	0
E 902. Other falls - from one level to another	0	0	0	0	0	0	0	0	0	0	0	0
E 913. Accident caused by cutting and piercing instruments	0	0	0	0	0	0	1	0	1	0	0	0
E 914. Accident caused by electric current	2	0	2	0	0	0	0	0	0	0	0	0
E 916. Accident caused by fire/explosion of combust. material	0	0	0	0	2	2	0	0	0	0	0	0
E 917. Accident caused by hot substance, corrosive liquid and steam	0	0	0	1	0	1	0	0	0	1	0	1
E 919. Accident caused by firearm	1	0	1	1	0	1	0	0	0	0	0	0
E 925. Accidtl. mechanical suffocation	0	0	0	0	0	0	1	0	1	0	0	0
E 929. Accidental drowning & submersion	1	0	1	0	0	0	0	0	0	0	0	0
E 936. Other and unspec. accidents	1	0	1	1	0	1	0	0	0	0	0	0
E 950. Therapeutic misadventure in surgical treatment	1	0	1	0	0	0	0	0	0	0	0	0
E 954. Therapeutic misadventure in anaesthesia	1	0	1	0	0	0	0	0	0	0	0	0
E 956. Late complication of surgical operation	1	1	2	0	0	0	0	0	0	0	0	0
E 962. Late effect of other accidental injury	0	0	0	0	0	0	0	0	0	0	0	0
E 970. Suicide by analgesic and soporific substances	0	0	0	0	0	0	0	0	0	0	1	1
E 971. Suicide - poisoning by solid/liquid substances	1	1	2	0	0	0	0	0	0	0	0	0
E 974. Suicide by hanging	0	0	0	0	0	0	0	0	0	0	0	0
E 975. Suicide by drowning	0	0	0	0	0	0	0	0	0	0	0	0
E 976. Suicide by firearms	5	0	5	0	0	0	0	0	0	0	0	0
E 979. Suicide by other & unspec. means	0	0	0	0	0	0	0	0	0	0	0	0
E 982. Assault by cutting or piercing instruments	0	0	0	7	1	8	0	0	0	0	0	0
E 983. Assault by other means	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL : GROUP E XVII	21	4	25	16	5	21	4	0	4	4	1	5
TOTAL	176	142	318	122	88	210	25	14	39	109	53	162

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
02. Pulmonary Tuberculosis	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
20. Congenital Syphilis	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
57. Meningococcal Infections	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
35. Measles	0	0	0	1	1	2	0	0	0	1	1	2	2	2	4
92. Infectious Hepatitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36. Other avitaminoses and nutritional def. states	0	0	0	1	3	4	0	0	0	0	0	0	1	3	4
92. Other anaemias of spec. types	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96. Purpura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32. Cerebral Embolism and Thrombosis	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
40. Meningitis, exc. meningococcal and tuberculous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34. Other & unspec. dis. of heart	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75. Acute upper resp. infec. of multiple or unspec. sites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90. Lobar Pneumonia	0	0	0	4	0	4	0	0	0	0	0	0	4	0	4
91. Broncho Pneumonia	1	0	1	8	6	14	0	1	1	1	5	6	9	12	21
93. Pneumonia, other & unspec.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01. Bronchitis, unqualified	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
71. Gastro-enteritis and colitis, age 4 weeks and over	0	0	0	3	7	10	2	0	2	7	2	9	12	9	21
78. Other dis. of intest. and peritoneum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92. Chronic Nephritis	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
16. Other dis. of skin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51. Spina bifida and meningocele	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
52. Cong. Hydrocephalus	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
54. Congenital malforms. of circulatory system	1	0	1	1	0	1	0	0	0	0	0	0	1	0	1
56. Cong. Malf. digest. syst.	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
57. Cong. Malf. Genito Ury. system	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
59. Unspec. Cong. Malformns.	0	0	0	0	0	0	0	0	0	0	2	2	0	2	2
60. Intracranial & spinal injury at birth	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
62. Postnatal asphyxia and atelectasis	0	1	1	0	0	0	0	0	0	1	0	1	1	0	1
64. Diarrhoea of new born	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
70. Haemolytic dis. of new born	1	2	3	1	0	1	0	0	0	0	0	0	1	0	1
73. Ill defined dis. peculiar to early infancy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74. Immaturity with other subsidiary condition	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
75. Immaturity subsidiary to some other cause	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76. Immaturity, unqualified	4	6	10	10	6	16	2	2	4	6	1	7	18	9	27
82. Symptoms referable to cardiovasc. & lymphatic systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83. Symptoms referable to respiratory system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95. Ill defined and unknown causes	0	0	0	3	7	10	1	0	1	2	1	3	6	8	14
25. Acc. mechl. suffocn.	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
50. Therapeutic misadventure in surgical treatment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	9	9	18	35	34	69	7	3	10	19	15	34	61	52	113

INFANTILE MORTALITY

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
During 1st 24 hours	4	6	10	4	5	9	0	1	1	2	1	3	6	7	13
2nd - 7th day	3	3	6	3	3	6	1	1	2	4	4	8	8	8	16
1 Week - 1 Month	0	0	0	7	1	8	0	1	1	3	2	5	10	4	14
TOTAL : 1 Month	7	9	16	14	9	23	1	3	4	9	7	16	24	19	43
1 Month - 2 Months	0	0	0	8	5	13	2	0	2	2	1	3	12	6	18
3 Months - 5 Months	0	0	0	7	10	17	1	0	1	2	2	4	10	12	22
6 Months - 8 Months	1	0	1	2	3	5	3	0	3	5	4	9	10	7	17
9 Months - 11 Months	1	0	1	4	7	11	0	0	0	1	1	2	5	8	13
TOTAL : 1 - 11 Months	2	0	2	21	25	46	6	0	6	10	8	18	37	33	70
GRAND TOTAL	9	9	18	35	34	69	7	3	10	19	15	34	61	52	113

INFANTILE MORTALITY RATES
(Deaths per 1,000 Births)

	EUROPEAN	NATIVE	COLOURED	ASIATIC
During 1st 24 hours	10 : 13.3	9 : 12.8	1 : 4.8	3 : 4.0
2nd - 7th day	6 : 8.0	6 : 8.5	2 : 9.5	8 : 10.7
1 Week - 1 Month	0 : 0	8 : 11.4	1 : 4.8	5 : 6.7
1 Month - 2 Months	0 : 0	13 : 18.5	2 : 9.5	3 : 4.0
3 Months - 5 Months	0 : 0	17 : 24.2	1 : 4.8	4 : 5.3
6 Months - 8 Months	1 : 1.3	5 : 7.1	3 : 14.3	9 : 12.0
9 Months - 11 Months	1 : 1.3	11 : 15.6	0 : 0	2 : 2.7
Infantile Mortality Rate	18 : 23.9	69 : 98.2	10 : 47.6	34 : 45.5

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

European	: 5.7%
Native	: 32.9%
Coloured	: 25.6%
Asiatic	: 21.0%
All Non-European	: 27.5%
All Races	: 18.0%

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

	EUROPEAN		NATIVE		COLOURED		ASIATIC		ALL NON-EUR.	
	No.	%	No.	%	No.	%	No.	%	No.	%
Tuberculosis (all forms)	0	0	2	2.9	0	0	0	0	2	1.8
Syphilis	0	0	1	1.4	0	0	0	0	1	0.9
Diphtheria	0	0	0	0	0	0	0	0	0	0
Whooping Cough	0	0	0	0	0	0	0	0	0	0
Cerebro-Spinal Fever	0	0	0	0	0	0	0	0	0	0
Measles	0	0	2	2.9	0	0	2	5.9	4	3.5
Malnutrition	0	0	4	5.8	0	0	0	0	4	3.5
Bronchitis & Pneumonia	1	5.6	19	27.5	1	10	6	17.6	26	23.0
Gastro-Enteritis	0	0	10	14.5	2	20	9	26.5	21	15.6
Malformations	1	5.6	2	2.9	0	0	5	14.7	7	6.2
Injury at Birth	1	5.6	0	0	0	0	0	0	0	0
Asphyxia - Atelectasis	1	5.6	0	0	0	0	1	2.9	1	0.9
Prematurity	10	55.6	16	23.2	4	40	8	23.5	28	24.8
Ill defined causes	0	0	10	14.5	1	10	3	8.8	14	12.9
Other specified causes	4	2.2	3	4.3	2	20	0	0	5	4.4
	18		69		10		34		113	

RESPIRATORY SYSTEM TUBERCULOSIS

(Code No. 001 - 008)

DEATHS 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
January	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
February	0	0	0	1	1	2	0	0	0	0	0	0	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	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	2	2	0	0	0	1	0	1	1	2	3
July	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
November	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
December	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
TOTAL :	0	0	0	4	6	10	0	0	0	1	1	2	5	7	12

DEATH RATES (PER 1,000 POPULATION)

European	:	0
Native	:	0.37
Coloured	:	0
Asiatic	:	0.09
All Non-Europeans	:	0.23
All Persons	:	0.13

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	1	1	2	0	0	0	0	0	0	1	1	2
1 - 2 years	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
2 - 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 24 years	0	0	0	0	3	3	0	0	0	0	1	1	0	4	4
25 - 34 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 54 years	0	0	0	2	1	3	0	0	0	0	0	0	2	1	3
55 - 64 years	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
65 - 74 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL :	0	0	0	4	6	10	0	0	0	1	1	2	5	7	12

TUBERCULOSIS, OTHER FORMS

(Code No. 010 - 019)

DEATHS 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
nuary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
bruary	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
rch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ril	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
y	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ly	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gust	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
ptember	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tober	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
vember	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cember	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAL :	0	0	0	3	1	4	0	0	0	0	0	0	3	1	4

DEATH RATE PER 1,000 POPULATION

European	:	0
Native	:	0.15
Coloured	:	0
Asiatic	:	0
All Non-European	:	0.08
ALL PERSONS	:	0.04

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
- 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 2 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
- 4 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 34 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
- 44 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 54 years	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
- 64 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 74 years	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAL :	0	0	0	3	1	4	0	0	0	0	0	0	3	1	4

MALIGNANT AND OTHER NEOPLASMS

(Code No. 140 - 239)

DEATHS IN AGE GROUPS

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 1 year	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	0	0	1	0	1	0	0	0	0	0	0	1	0	1
15 - 24 years	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34 years	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
35 - 44 years	1	0	1	4	0	4	1	0	1	0	2	2	5	2	7
45 - 54 years	5	3	8	2	0	2	0	0	0	1	0	1	3	0	3
55 - 64 years	9	4	13	1	1	2	1	0	1	0	0	0	2	1	3
65 - 74 years	8	3	11	0	0	0	0	0	0	2	1	3	2	1	3
75 and Over	9	9	18	0	0	0	0	0	0	1	0	1	1	0	1
TOTAL :	34	19	53	8	1	9	2	1	3	4	3	7	14	5	19

DEATH RATE PER 1,000 POPULATION

European	:	1.4
Native	:	0.3
Coloured	:	0.7
Asiatic	:	0.3
All Non-European	:	0.4
ALL PERSONS	:	0.8

FORMS OF MALIGNANT AND OTHER NEOPLASMS CAUSING DEATH.

Age Groups	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
Malignant Neoplasm of -																
140 Lip	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
141 Tongue	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0
144 Other part of mouth/ unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
150 Oesophagus	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
151 Stomach	0	0	0	0	0	0	0	0	2	2	0	0	0	0	1	0
152 Small intestine (inc. duodenum)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
153 Large intestine (exc. rectum)	0	0	0	0	0	0	0	0	2	1	0	0	3	3	1	0
154 Rectum	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
155 Biliary passages and liver	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
156 Liver (sec. & unspec.)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
157 Pancreas	0	0	0	0	0	0	0	0	1	0	0	0	1	3	0	0
159 Unspec. digest. org.	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
161 Larynx	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
162 Trachea, bronchus & lung - primary	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
163 Trachea, bronchus & lung - secondary	0	0	0	0	0	0	0	0	4	0	1	0	1	0	0	0
170 Breast	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
171 Cervix uteri	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
172 Corpus uteri	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
175 Ovary, Fallopian tube and broad ligt.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
177 Prostate	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
181 Bladder and other urinary organs	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0
192 Eye	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
194 Thyroid Gland	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
196 Bone	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
199 Other & unspec. sites	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0
200 Lymphosarcoma and reticulosarcoma	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Hodgkin's disease	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
204 Leukaemia & aleukaemia	1	0	0	0	0	0	0	0	1	0	2	0	3	0	0	0
237 Unspec. nature brain & parts-ner. system	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	0	1	0	1	0	5	3	15	7	5	1	16	12	3	1

DISEASES OF THE CIRCULATORY SYSTEM

(Code Nos. 400 - 468)

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	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	0	0	0	0	0	0	0	0	0	1	1	0	1	1
5 - 24 years	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
5 - 34 years	1	0	1	1	0	1	0	0	0	1	1	2	2	1	3
5 - 44 years	2	0	2	1	0	1	1	0	1	5	0	5	7	0	7
5 - 54 years	6	0	6	1	1	2	1	0	1	9	4	13	11	5	16
5 - 64 years	18	6	24	0	1	1	0	1	1	7	2	9	7	4	11
5 - 74 years	24	11	35	2	1	3	0	0	0	5	2	7	7	3	10
5 and Over	17	27	44	0	0	0	1	2	3	7	2	9	8	4	12
TOTAL :	68	45	113	5	3	8	3	3	6	34	12	46	42	18	60

DEATH RATE (PER 1,000 POPULATION)

European	:	2.9
Native	:	0.3
Coloured	:	1.3
Asiatic	:	2.1
All Non-European	:	1.1
ALL PERSONS	:	1.9

DEATHS DUE TO PNEUMONIA AND BRONCHITIS
(Code Nos. 490 - 502)

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
January	0	0	0	5	3	8	0	0	0	1	1	2	6	4	10
February	0	1	1	4	1	5	0	0	0	0	0	0	4	1	5
March	0	0	0	2	2	4	1	0	1	0	3	3	3	5	8
April	3	2	5	1	1	2	0	1	1	1	3	4	2	5	7
May	0	1	1	3	2	5	0	0	0	0	0	0	3	2	5
June	0	1	1	0	0	0	0	0	0	2	0	2	2	0	2
July	2	1	3	0	0	0	0	0	0	0	3	3	0	3	3
August	2	1	3	4	2	6	0	0	0	2	0	2	6	2	8
September	2	1	3	0	0	0	0	1	1	3	0	3	3	1	4
October	3	2	5	0	0	0	0	0	0	2	0	2	2	0	2
November	1	0	1	1	1	2	0	0	0	0	0	0	1	1	2
December	1	1	2	1	1	2	1	0	1	1	1	2	3	2	5
TOTAL :	14	11	25	21	13	34	2	2	4	12	11	23	35	26	61

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	1	0	1	12	7	19	1	1	2	1	5	6	14	13	27
1 - 2 years	0	0	0	2	4	6	0	0	0	3	1	4	5	5	10
2 - 4 years	0	0	0	1	0	1	0	0	0	0	2	2	1	2	3
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	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44 years	0	1	1	2	0	2	0	0	0	3	0	3	5	0	5
45 - 54 years	2	0	2	2	0	2	0	0	0	1	0	1	3	0	3
55 - 64 years	2	0	2	1	1	2	1	0	1	0	0	0	2	1	3
65 - 74 years	2	3	5	1	1	2	0	0	0	2	2	4	3	3	6
75 and Over	7	7	14	0	0	0	0	1	1	2	1	3	2	2	4
TOTAL :	14	11	25	21	13	34	2	2	4	12	11	23	35	26	61

Bronchitis	2	2	4	1	1	2	0	1	1	1	0	1	2	2	4
Pneumonia	12	9	21	20	12	32	2	1	3	11	11	22	33	24	57
TOTAL :	14	11	25	21	13	34	2	2	4	12	11	23	35	26	61

DEATH RATES PER 1,000 POPULATION

BRONCHITIS : Code Nos. 500 - 502.

European	: 0.1
Native	: 0.07
Coloured	: 0.2
Asiatic	: 0.05
All Non-European	: 0.08
ALL PERSONS	: 0.09

PNEUMONIA : Code Nos. 490 - 493.

European	: 0.5
Native	: 1.2
Coloured	: 0.7
Asiatic	: 1.0
All Non-European	: 1.1
ALL PERSONS	: 0.9

DEATHS DUE TO GASTRO-ENTERITIS AND COLITIS

(Age 4 weeks and over)
(Code No. 571)

	EUROPEAN			NATIVE			COLOURED			ASIATIC			ALL NON-EUR.		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
January	0	0	0	0	1	1	0	0	0	3	0	3	3	1	4
February	0	0	0	2	3	5	0	0	0	2	1	3	4	4	8
March	0	0	0	1	0	1	0	0	0	2	0	2	3	0	3
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	2	2	0	0	0	2	1	3	2	3	5
November	0	0	0	0	2	2	1	0	1	0	0	0	1	2	3
December	0	0	0	1	2	3	1	0	1	0	1	1	2	3	5
TOTAL :	0	1	1	4	10	14	3	0	3	9	3	12	16	13	29

DISTRICTS OF RESIDENCE OF CASES OF ENTERIC FEVER AND TUBERCULOSIS

	Notifications of Enteric Fever	Deaths from Tuberculosis
P.M. Burg Central	2	6
Zwartkop Valley	-	-
Wembley	1	-
Scottsville (in water supply area)	1	-
Scottsville (outside water supply area)	-	-
Mountain Rise	-	1
Pentrich (in water supply area)	-	-
Pentrich (outside water supply area)	-	-
Chase and Town Bush Valleys	-	1
Sobantu Village	-	4
Hathorn's Hill	-	1
Asiatic Housing Scheme	-	-
Raisethorpe	-	3
Unable to trace residence	-	-
TOTAL :	4	16

TUBERCULOSIS CLINIC

	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	25	22	1	2	78	44	222	62	16	12	2	-	44	39	8	2	163	117	233	66
Total Attendances	64	55	8	7	363	202	814	215	74	50	5	4	244	124	41	9	745	431	868	235
Sputa Examined	12	9	-	3	89	27	111	15	17	10	3	-	48	24	3	1	166	70	117	19
Sputa Positive	3	-	-	-	19	1	7	3	3	-	-	-	6	-	-	1	31	1	7	4
X-Ray Examinations	28	28	5	4	97	53	153	36	23	15	4	4	36	31	7	4	184	127	169	48
X-Ray Positive	15	11	4	1	55	40	86	25	17	11	2	1	24	21	4	2	111	83	96	29
Positive Diagnosis made	4	2	-	-	38	28	84	22	8	5	1	-	12	17	2	1	62	52	87	23
Adm. to Durban Hospitals and to Non-Eur. Inf. Dis. Hosp. from Clinic	3	1	-	-	13	6	18	4	3	2	-	-	6	4	-	1	21	12	18	5
Contacts Examined	18	15	-	-	31	25	19	4	6	6	-	-	13	17	-	-	68	63	19	4

	EUROPEAN	NATIVE	COLOURED	ASIATIC	TOTAL
Streptomycin Injecs. given	233	1,216	296	789	2,534
Home Visits to Tuberlotics and their contacts (Borough cases only)	729	1,392	319	664	3,104

MINIATURE X-RAY CLINIC ATTENDANCES

REASON FOR X-RAY		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
Ref. by Pass Office Med. Examination	Routine					7984		6075										7984		6075	
	Suspect																				
Pre-employment X-ray	Private Firms					47	2	3		30				204		3		281	2	6	
	Mun. Supern. Fund	81	16	2														81	16	2	
Ref. by Employers	Routine	30	10	4	2	427	147	86	28	54	6			44	2	1		555	165	91	30
	Suspect	1								2				1	1			4	1		
	Contact	5	1		1	67	10	5	2	38				29				139	11	5	3
Ref. by Doctors	Routine				4			1	3						1				1	1	7
	Suspect	113	94	18	13	96	38	329	205	25	18	5	2	195	98	42	24	429	248	394	244
	Contact																				
Voluntary Attendance	Routine	127	120	19		54	13	85	14	11	5	2	1	76	46	19	3	268	184	125	18
	Suspect	1	2															1	2		
	Contact	6	11	4	3	1				1					1			8	12	4	3
Referred by Health Visitor	Routine																				
	Suspect					15	2											15	2		
	Contact	84	112	1	4	146	76	22	27	24	30			122	103	6	11	376	321	29	42
Follow-up X-ray	ex Hosp.	3	5			121	43	10	7	9	4	1		14	5	1		147	57	12	7
	ex Clinic	23	13	2	6	208	130	110	56	32	13	1	1	113	50	7	5	376	206	120	68
TOTALS :		474	384	50	33	9166	461	6726	342	226	76	9	4	798	307	79	43	10664	1228	6864	422

GRAND TOTAL : 19,178

RESULTS OF MINIATURE X-RAYS

(Excluding Follow-up X-Rays of Hospital and Clinic Cases.)

	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
1. Suspected P. Tuberculosis	17	11	-	2	163	24	150	54	13	4	-	-	50	16	6	5	243	55	156	61
2. Other lung conditions	2	1	1	-	8	1	11	18	2	1	-	-	6	7	3	1	18	10	15	19
3. Cardiac conditions	-	-	-	-	-	-	4	1	-	1	-	-	-	-	-	-	-	1	4	1
4. Spinal or Thoracic cage	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	1	1	1	-
5. Nil abnormal detected	424	352	47	25	8658	262	6456	204	170	53	7	3	611	229	62	32	9863	896	6572	264
6. Other conditions noted	5	1	-	-	8	1	4	2	-	-	-	-	3	-	-	-	16	2	4	2
TOTALS :	448	366	48	27	8837	288	6626	279	185	59	7	3	671	252	71	38	10141	965	6752	347

European : 889 All Non-European : 17,316 All Persons : 18,205

FOLLOW-UP RESULTS OF SUSPECTED CASES DETECTED BY MINIATURE X-RAY

(excluding Pass Office Cases).

	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
A. P.T.B. Active	2	-	-	1	21	5	12	5	2	1	-	-	19	4	1	1	44	10	13	7
B. P.T.B. Inactive	1	2	-	1	5	1	12	2	1	-	-	-	3	1	1	-	10	4	13	3
C. Other Lung Conditions	2	3	-	-	2	-	-	-	1	-	-	-	1	3	-	-	6	6	-	-
D. Cardiac Conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E. Nil Abnormal	5	4	-	-	11	8	15	14	4	1	-	-	8	4	-	-	28	17	15	14
F. Other Conditions noted	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
G. Did not re-attend	7	2	-	-	13	10	32	33	5	2	-	-	19	4	4	4	44	18	36	37
TOTAL	17	11	-	2	55	24	71	54	13	4	-	-	50	16	6	5	135	55	77	61

PASS OFFICE ANALYSIS

	Borough	Out-of-Borough	Total
Total X-Rayed	7,984	6,075	14,059
Suspect P.T.B.	108	79	187

FOLLOW-UP RESULTS

	Borough	Out-of-Borough	Total
1A. P.T.B. Active	25	28	53
1B. P.T.B. Inactive	11	6	17
2. Other Lung Conditions	-	2	2
3. Cardiac Condition	1	4	5
4. Spinal or Thoracic Cage	-	-	-
5. N.A.D.	28	14	42
6. Other Conditions Noted	1	-	1
7. Did not Re-attend	42	25	67
TOTAL	108	79	187

VENEREAL DISEASE

CLINIC ATTENDANCES FOR THE YEAR ENDING 31st DECEMBER, 1960.

(for key) (see page) (52)	NEW CASES																TOTAL ATTENDANCES															
	EUROPEAN				NATIVE				COLOURED				ASIATIC				EUROPEAN				NATIVE				COLOURED				ASIATIC			
	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	-	-	-	26	6	13	1	1	-	-	-	-	-	-	-	10	-	-	-	70	13	23	5	2	-	-	-	8	-	-	-
2	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	2	8	1	-	-	-	-	20	-	-	-
3	1	-	-	-	28	19	31	21	-	-	1	-	2	-	-	-	7	-	-	-	90	52	69	87	-	2	2	-	6	-	-	-
4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
5	-	1	-	-	26	64	6	65	-	19	-	4	4	19	1	9	7	30	-	2	149	323	23	252	-	109	-	11	10	147	3	50
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
7	-	-	-	-	3	5	-	3	1	-	-	-	-	-	-	1	-	-	-	-	6	7	-	8	2	1	-	-	-	-	-	2
8	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	2	3	1	2	-	2	-	-	-	1	2	-
9	5	-	-	-	102	51	38	49	5	2	3	-	15	4	4	-	8	-	-	-	321	163	87	131	20	8	5	-	33	25	6	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
15	-	-	-	-	3	3	8	2	-	-	-	-	-	-	-	-	-	-	-	-	9	3	16	9	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	1	-	-	-	27	25	8	25	2	3	-	-	2	1	1	-	1	-	-	-	61	46	12	46	3	5	-	-	8	1	4	-
18	-	-	-	-	6	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	8	-	-	-	-	2	-	-	1	-	-	-
Total	8	1	-	-	227	173	104	167	9	25	4	4	25	24	6	10	34	30	-	2	742	612	239	542	27	129	7	11	87	174	16	52

19 Disch. on Probn.	1	2	-	-	42	32	18	36	-	4	1	-	-	4	-	2
20 Disch. Finally	4	1	-	-	86	49	32	44	3	3	-	-	7	14	2	3

V.D. CLINIC DEFAULTER INVESTIGATIONS

	EUROPEAN		NATIVE		COLOURED		ASIATIC	
	M	F	M	F	M	F	M	F
NABLE TO TRACE	1	-	25	26	-	-	-	-
ETURNED TO CLINIC	-	3	92	75	1	3	4	4
ID NOT RETURN	-	-	33	40	-	-	-	-
OTAL OF DEFAULTERS	1	3	150	141	1	3	4	4
O. OF VISITS	-	3	184	183	-	3	4	4
ETURNED TO CLINIC								
At Request of Health Visitor or Native Health Assistant								
1) Following personal visits	1	3	117	122	-	3	4	4
2) Following letters	-	-	-	-	-	-	-	-
3) Following telephone calls	-	-	-	-	-	-	-	-
4) Traced through Pass Office Records	-	-	-	-	-	-	-	-
5) Following accidental encounter	-	-	5	10	-	-	-	-
Supplementary Visits by Health Visitor (in case of Native Health Assistants).								
1) Employer telephoned	-	-	-	-	-	-	-	-
2) Employer visited	-	-	30	32	-	-	-	-
3) Defaulters visited	-	3	-	-	1	3	-	-
EASONS FOR DEFAULTING								
No reason	-	3	21	10	-	-	1	2
Unable to pay transport	-	-	-	-	-	-	-	-
Left City	-	-	13	28	-	-	1	-
Illness	1	2	5	20	-	1	-	-
Hours of work prevent attendance:	-	-	46	19	-	-	-	-
Prefer morning Clinic	-	-	-	-	-	-	-	-
Prefer afternoon Clinic	-	-	-	-	-	-	-	-
Prefer evening Clinic	-	-	2	-	-	-	-	-
Prefer Saturday morning Clinic	-	-	1	-	-	-	-	-
Thought him / herself cured	-	-	23	18	-	1	2	-
Races not separated enough at Clinic	-	-	-	-	-	-	-	-
Clinic not private enough	-	-	-	-	-	-	-	-
Reaction to Injections	-	1	-	-	-	-	-	-
Other reasons	-	-	45	32	-	1	-	1

V.D. HOSPITAL RETURNS	NATIVES				COLOUREDS				ASIATICS			
	New Cases				New Cases				New Cases			
	Bor.		O/B.		Bor.		O/B.		Bor.		O/B.	
	M	F	M	F	M	F	M	F	M	F	M	F
1. Seroneg. Prim. Syphilis	48	6	83	5	3		1		1			
2. Seropos. Prim. Syphilis	1	1	2									
3. Secondary Syphilis	21	26	51	82	1		1					
4. Tertiary Syph. (Clinical)												
5. Endosyphilis (Serological)	1											
6. Neurosyphilis												
7. Cong. Syph. under 1 year		1	3	2								
8. Cong. Syph. over 1 year												
9. Gonorrhoea	20	11	29	16	3				1		1	
10. G.C. Vulvo-vaginitis												
11. G.C. Ophthalmia												
12. Ulcus Molle				1								
13. Lymph. Venereum												
14. Gran. Venereum												
15. Venereal Warts	5	2	14	8					1			
16. Phagedaena			1	1								
17. Suspected V.D.	6	2	16	11	1							

	NAT.	MALE	FEMALE	COL.	MALE	FEMALE	AS.	MALE	FEMALE
No. admitted during year	Bor.	90	46	Bor.	5	-	Bor.	2	-
	O/B.	180	121	O/B.	2	-	O/B.	1	-
No. discharged finally cured	Bor.	5	2	Bor.	1	-	Bor.	-	-
	O/B.	14	11	O/B.	-	-	O/B.	-	-
No. discharged on Probation	Bor.	88	49	Bor.	4	-	Bor.	3	-
	O/B.	164	112	O/B.	3	-	O/B.	1	-
No. suffering from 2 or more Venereal Diseases	Bor.	12	4	Bor.	3	-	Bor.	1	-
	O/B.	13	5	O/B.	-	-	O/B.	-	-

VENEREAL DISEASE Continued.

KEY TO VENEREAL DISEASE CLINIC AND HOSPITAL RETURNS

1. Seronegative Primary Syphilis.
2. Seropositive Primary Syphilis.
3. Secondary Syphilis.
4. Tertiary Syphilis (clinical).
5. Latent Syphilis (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. Chancroid.
13. Lymphogranuloma Venereum.
14. Granuloma Inguinale.
15. Venereal Warts.
16. Non-specific Urethritis.
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 : 5. FEMALE : 2. TOTAL : 7.

VENEREAL DISEASE HOME VISITS

	European	Native	Coloured	Asiatic	Total
	M : F	M : F	M : F	M : F	M : F : PERSONS
1960	- : -	228 : 215	- : -	13 : 8	241 : 223 : 464

VENEREAL DISEASE Cont'd.

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

YEAR ENDING 31st DECEMBER, 1960.

	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	1	1	1	3	3		2	4	2		10	5	7		13	7			48	62	7	2	12	1
No. of Positive or Doubtful Reactors	1	1	1	3	3		2	4	2		10	5	7		12	7			46	56	5	2	10	1
No. of those who had previously received treatment	1			1			1				1				4				2	8	3		3	
No. undergoing a First Course of treatment during pregnancy	1	1	1	3	3		2	4	2		9	5	7		13	7			48	56	6	2	12	1
No. undergoing a 2nd or 3rd Course of treatment during pregnancy																							1	

ADMISSIONS TO ISOLATION HOSPITAL (EUROPEAN) AND NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL

	Borough Cases					Out-of-Borough Cases					Total Cases Borough and Out-of-Borough
	E	N	C	A	Total	E	N	C	A	Total	
Scarlet Fever	21	-	-	-	21	3	-	-	-	3	24
Measles	32	8	10	-	50	7	43	-	-	50	100
Diphtheria	17	6	2	2	27	8	82	3	4	97	124
Mumps	14	-	-	-	14	-	-	-	-	-	14
Whooping Cough	2	2	-	-	4	-	15	-	-	15	19
Chicken Pox	11	5	-	-	16	1	4	-	-	5	21
C.S. Fever	1	-	-	2	3	4	1	1	0	6	9
German Measles	10	-	-	-	10	-	1	-	-	1	11
T.B. Meningitis	-	-	1	-	1	-	1	1	1	3	4
Erysipelas	-	1	-	-	1	-	-	-	-	-	1
Pulmonary Tuberculosis	-	44	5	12	61	-	50	6	3	59	120
Poliomyelitis	4	2	1	-	7	15	15	-	-	30	37
Encephalitis	4	-	-	-	4	-	-	-	-	-	4
Boarder with Mother	-	-	-	-	-	-	-	-	1	1	1
Generalised Vaccinia	-	-	-	-	-	-	1	-	-	1	1
Bacillary Dysentery	-	1	-	-	1	-	-	-	-	-	1
Gastro-Enteritis	-	-	-	-	-	1	-	-	-	1	1
Inf. Jaundice	-	-	-	-	-	1	-	-	-	1	1
Influenza	-	1	-	-	1	-	-	-	-	-	1
Whooping Cough and Measles	-	-	-	-	-	-	1	-	-	1	1
TOTAL :	116	70	19	16	221	40	214	11	9	274	495

ISOLATION HOSPITAL AND NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL

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

BOROUGH CASES

In 2 cases (Bantu) diagnosis Chicken Pox altered to Measles.
In 3 cases (2 Eur., 1 Nat.) diagnosis Diphtheria altered to Tracheitis or Laryngitis or Tonsillitis.
In 2 cases (Eur.) diagnosis Diphtheria altered to Diphtheria Carrier.
In 2 cases (Nat.) diagnosis Diphtheria altered to Influenza.
In 3 cases (2 Eur., 1 Nat.) diagnosis Encephalitis altered to Virus Flu.
In 1 case (Eur.) diagnosis Measles altered to Acute Osteitis.
In 1 case (Eur.) diagnosis Measles altered to Allergic Rash.
In 3 cases (Eur.) diagnosis Measles altered to German Measles.
In 1 case (Eur.) diagnosis Meningitis altered to Nephritis.
In 1 case (Eur.) diagnosis Mumps altered to Parolid Abscess.
In 1 case (Eur.) diagnosis Poliomyelitis altered to Injury Right Hip.
In 1 case (Eur.) diagnosis Poliomyelitis altered to Encephalitis.
In 1 case (Col.) diagnosis Poliomyelitis altered to N.A.D.
In 1 case (Bantu) diagnosis Poliomyelitis altered to Malnutrition and Hypotonia.
In 1 case (Eur.) diagnosis Scarlet Fever altered to Broncho-Pneumonia.
In 1 case (Eur.) diagnosis Scarlet Fever altered to Anaphylactic Rash.
In 1 case (Eur.) diagnosis Whooping Cough altered to N.A.D.
In 2 cases (Eur.) diagnosis Whooping Cough altered to Influenza.

OUT-OF-BOROUGH CASES

In 1 case (Nat.) diagnosis Diphtheria altered to Bronchitis.
In 3 cases (2 Nat., 1 As.) diagnosis Diphtheria altered to not Diphtheria.
In 3 cases (Nat.) diagnosis Diphtheria altered to Thrush or Vincent's Angina or Stomatitis.
In 2 cases (Eur.) diagnosis Diphtheria altered to Measles.
In 4 cases (3 Eur., 1 Nat.) diagnosis Diphtheria altered to Tonsillitis.
In 1 case (Eur.) diagnosis Infect Jaundice altered to Drug discolouration.
In 1 case (Eur.) diagnosis Meningitis altered to Poliomyelitis.
In 1 case (Col.) diagnosis Meningitis altered to Mental Abnormality.
In 1 case (Nat.) diagnosis Poliomyelitis altered to Septicaemia.
In 1 case (Nat.) diagnosis Poliomyelitis altered to Bronchitis.
In 1 case (Nat.) diagnosis Poliomyelitis altered to Transverse Myelitis.
In 2 cases (Nat.) diagnosis Poliomyelitis altered to N.A.D.
In 1 case (Nat.) diagnosis Poliomyelitis altered to Hysteria.
In 1 case (Eur.) diagnosis Poliomyelitis altered to Rheumatic Fever.
In 1 case (Eur.) diagnosis Poliomyelitis altered to Infected Hip.
In 1 case (Nat.) diagnosis Poliomyelitis altered to Primary Tuberculosis.
In 1 case (Eur.) diagnosis Measles altered to Toxic Dermatitis.
In 1 case (Eur.) diagnosis Measles altered to German Measles.
In 1 case (Eur.) diagnosis Measles altered to Abscess of Buttock.
In 1 case (Nat.) diagnosis Whooping Cough altered to Pulmonary Tuberculosis.

INFANT WELFARE

1. INFANT CLINICS

	European	Native	Coloured	Asiatic
NEW CASES:				
Under 1 Year	559	765	180	705
Over 1 Year	-	27	3	8
TOTAL:	559	792	183	713
ATTENDANCES:				
Under 1 Year	7,739	7,219	2,105	8,360
Over 1 Year	667	2,373	496	1,396
TOTAL:	8,406	9,592	2,601	9,756
Number on Register	1,005	1,177	434	1,319
Average Attendance per person	8.4	8.1	6.0	7.4

2. HOME VISITS

	European	Native	Coloured	Asiatic	Total
Ante-Natal	-	104	7	63	174
First Visits-(Notified Births)	649	359	169	644	1,821
Re-visits - under 1 year	610	1,328	576	470	2,984
Re-visits - over 1 year	456	2,000	1,050	2,600	6,106
Infectious Disease (Non-T.B.)	135	15	2	7	159
Protected Infants	-	-	-	-	-
Pediculosis & Scabies Visits	0	0	0	0	0
Infantile Mortality Visits	23	33	2	18	76
Other Home Visits	29	97	1	0	127
TOTAL:	1,902	3,936	1,807	3,802	11,447

3. MILK DISTRIBUTED

	European	Native	Coloured	Asiatic	Total
Fresh - Pints	2,357	13,993	2,885	10,092	29,297
Dried - lbs.	26	4,702	403	2,803	7,934

FOODSTUFFS

SAMPLES TAKEN AND SUBMITTED FOR ANALYSIS

1. MILK

(a) Bacteriological Examination - Breed Counts:

Samples with less than 30,000 bacteria per c.c.	:	29 (inc. 1 Pasteurised)
Samples with between 30,000 and 200,000 bacteria per c.c.	:	26
Samples with more than 200,000 bacteria per c.c.	:	13
TOTAL	:	68 (inc. 1 Pasteurised)

(b) Bacteriological Examination - Plate Counts:

Samples with less than 30,000 bacteria per c.c.	:	34 (inc. 3 Pasteurised)
Samples with between 30,000 and 200,000 bacteria per c.c.	:	25
Samples with more than 200,000 bacteria per c.c.	:	11
TOTAL	:	70 (inc. 3 Pasteurised)

(c) Bacteriological Examination - Faecal B. Coli:

Samples with Faecal B. Coli absent	:	50 (inc. 4 Pasteurised)
Samples with Faecal B. Coli present 1/10 c.c.	:	49
Samples with Faecal B. Coli present 1/100 c.c.	:	43
Samples with Faecal B. Coli present in less than 1/100 c.c.	:	38
TOTAL	:	180 (incl. 4 Pasteurised)

(d) Chemical Examination (By Government Analyst).

Samples with Solids-Not-Fat 8.5% and over	:	32
Samples with Solids-Not-Fat over 8% and under 8.5%	:	3
Samples with Solids-Not-Fat below 8%	:	0
TOTAL		35

Samples with Butter Fat 3% and over	:	34
Samples with Butter Fat under 3%	:	1
TOTAL	:	35

(e) Phosphatase Testing of Pasteurised Milk:

Samples sufficiently heat treated	:	349
Samples not sufficiently heat treated	:	9
TOTAL	:	358

2. 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			Boreholes			Rain Water Tanks			Other Water Supplies (Springs)			Municipal Swimming Baths			Other Swimming Baths		
	Incubation Period		Differential Test (faecal) 48 hrs.	Incubation Period		Differential Test (faecal) 48 hrs.	Incubation Period		Differential Test (faecal) 48 hrs.	Incubation Period		Differential Test (faecal) 48 hrs.	Incubation Period		Differential Test (faecal) 48 hrs.	Incubation Period		Differential Test (faecal) 48 hrs.
	24 hrs.	48 hrs.		24 hrs.	48 hrs.		24 hrs.	48 hrs.		24 hrs.	48 hrs.		24 hrs.	48 hrs.		24 hrs.	48 hrs.	
Class I (Highly Sat. 0)	162	105	-	6	6	-	3	3	-	1	-	-	1	1		1		
Class II (Satis. 1 - 2)	43	64	1	4	2	-				-	1	-					1	
Class III (Suspicious 3-10)	13	41	-	2	3	-												
Class IV (Unsat. (over 10)	-	8	-	2	3	1												

FOODSTUFFS CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION

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

Albacore	30 tins
Asparagus	1 tin
Apricots	3 tins; 7 boxes & 61 trays
Almonds	8 ozs.
Apples	12 cases.
Apples - Pie	15 ozs.
Anchovies	9 tins
Beetroot	38 tins; 26 lots.
Biltong	1 lb. 1 oz.
Beans - Green	58 tins; 5 boxes; 6 bags
Beans - Baked	85 tins
Cheese	2 pkts.
Chickens	6 x lb. tins
Chillies	30 pockets
Curry Powder	46 oz.
Cherries	33 tins
Chocolate	9 tins; 1 bottle
Coffee extract	1 tin
Currants	1 lb.
Cream	½ lb.
Cereals	4 pkts.
Cabbages	45 bags; 53 lots
Dates	1 lb.
Ducks	2
Essence	1 bottle
Eggs	244
Fowls	46
Fish - Fresh	115 lbs.
Fish Paste	4 oz.
Fish tinned	331 tins; 7 pkts.
Fruit tinned	66 tins
Fruit Juices	38 tins; 2 bottles.
Flour	1 lb.
Farfel	6 pkts.
Grape - Fruit	2 tins
Gherkins	1 tin
Giblets	9 pkts.
Honey	4 bottles
Ham	1½ lbs.
Icing Sugar	1 tube; 1 lb.
Jam	135 tins
Jelly	29 tins; 1 lb.
Kippers	4 tins
Lettuce	5 crates
Lemons	44 pockets.
Meat - Fresh	501 lbs.
Meat - Paste	1 bottle

/Meat-tinned .....

FOODSTUFFS CONDEMNED Continued.

Meat - tinned	14 tins
Milk - condensed	42 tins
Maltabella	2 pkts.
Meat Extract	1 tin
Meal	5 lbs.
Mealie Rice	5 lbs.
Mushrooms	12 oz.
Matzos	1 pkt.
Mangoes	8 trays
Marrows	23 pockets
Marmalade	44 tins
Mayonnaise	6 bottles; ¾ lb.
Ovaltine	1 tin
Oil - salad	1 bottle
Oranges	37 pkts.
Oats	21 pkts.
Onions	12 bottles
Pears	4 cases
Potatoes	147 pockets.
Peaches	47 trays; 15 boxes
Pearl Barley	2 lbs.
Peas	15 tins; 30 pockets
	1 lb.
Peas (split)	482 pkts.
Peanuts	1 tin
Pickles	9 bottles
Peanut Butter	4 bottles
Pineapples	55 tins
Rice	2 bags; 4½ ozs.
Sweet corn	19 tins
Spaghetti	1 tin
Stuffing	1 lb.
Salt	5 lbs.
Sandwich and assorted spreads	½ lb.
Sausages	5 tins; 10 pkts; 6lbs.
Sugar	1,400 lbs.
Sweet corix	1 pkt.
Soups	2 pkts; 2 tins
Sauerkraut	1 tin
Turnips	3 crates
Tartaric Acid	7 pkts.
Tomato Puree	1 lb.
Tomato Paste	45 tins
Tomatoes	36 boxes; 50 trays
Tomato Juice	3 tins
Unlabelled Tins	68 tins
Vegetable - tinned	1 tin
Vegetable Soup	1 tin
Watermelons	708
Wheat (Rolled)	10 lbs.
Xmas Puddings	2 cases
Yeast	5 pkts; 2 lbs.

ABATTOIR

1. ANIMALS SLAUGHTERED:

Cattle	:	17,165
Calves	:	3,410
Sheep	:	68,131
Pigs	:	5,833
Goats	:	113
TOTAL		94,652

2. ANIMALS EXAMINED AFTER SLAUGHTER IN OTHER ABATTOIRS:

Quarters of Beef	:	2,163
Carcases Mutton	:	1,678
Portions & Offal	:	1,452 lbs.

3. INCIDENCE OF CERTAIN DISEASES:

	Carcases Examined	% Infected	Carcases Condemned	% Condemned
CATTLE - "Measles" (Cysticercus Bovis)	17,165	8.3%	271	1.6%
CALVES - "Measles" (Cysticercus Bovis)	3,410	3.7%	56	1.6%
PIGS - "Measles" (Cysticercus Cellulosae)	5,833	1.9%	101	1.7%
CATTLE - Tuberculosis	17,165	0.16%	10	0.06%
PIGS - Tuberculosis	5,833	2.5%	10	0.17%

4. SUMMARY OF MEAT CONDEMNED:

	Carcases	Approx. Weight
BEEF:	400	160,000 lbs.
BEEF: Portions of Carcases, Organs, etc.	-	215,750 lbs.
VEAL:	9	3,640 "
VEAL: Portions of Carcases, Organs, etc.	-	1,490 "
PORK:	141	4,230 "
PORK: Organs, etc.	-	8,990 "
SHEEP & GOATS:	62	2,180 "
SHEEP & GOATS: Organs, etc.	-	174,000 "
		570,280 "

ABATTOIR Continued

CARCASES TOTALLY CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION.

Disease or Condition	Bovines	Calves	Sheep	Goats	Pigs.
Abscesses.	-	-	2	-	-
Anaemia.	2	-	-	-	-
Bruising.	32	-	-	-	-
Bruising & Emphysema.	1	-	-	-	-
Bruising & Fever.	4	-	-	-	-
Cysticercus Bovis.	271	56	-	-	-
Cysticercus Cellulosae.	-	-	-	-	101
C.Cellulosae & Tuberculosis	-	-	-	-	2
C.Cellulosae & Sarcocysts.	-	-	-	-	1
Caseous Lymphadenitis.	-	-	14	-	-
Emaciation.	14	2	11	-	-
Emaciation & Bruising.	1	-	-	-	-
Emaciation & Gangrene.	1	-	-	-	-
Emaciation & Oedema.	3	3	10	1	-
Fever.	6	-	4	-	1
Gangrene.	3	-	1	-	1
Generalised Inflammation.	1	-	-	-	-
Icterus.	4	3	2	-	-
Immaturity.	-	10	-	-	-
Intramuscular Haemorrhages.	-	-	1	-	-
Metritis.	-	-	2	-	-
Moribund.	-	1	7	-	-
Neuro Fibroma.	12	-	-	-	-
Oedema.	6	-	1	-	-
Peritonitis (Acute).	2	-	4	-	-
Peritonitis & Pleurisy	2	-	-	-	-
Pericarditis (Septic).	1	-	-	-	1
Peritonitis (Septic).	2	-	-	-	2
Pneumonia (Septic).	5	4	1	-	-
Pleurisy. (Septic).	1	-	-	-	-
Pyaemia.	9	-	-	-	2
Pyaemia. (Umbilical).	-	8	-	-	-
Pneumonia & Oedema.	-	1	-	-	-
Sarcoma.	-	-	1	-	-
Sarcocysts.	1	-	-	-	16
Septic Mastitis.	6	-	-	-	-
Toxaemia.	-	1	-	-	-
Tuberculosis.	10	-	-	-	10
Underdevelopment.	-	2	-	-	4
	400	91	61	1	141

LOCALISED INFECTIONS:

9 Cattle Heads condemned due to LOCALISED Tuberculosis infection.
9 " Tongues " " " " " "
9 " Lungs with " " " " " "
Hearts " " " " " "
139 Pig Heads " " " " " "
139 " Tongues " " " " " "
139 " Lungs with Hearts " " " " " "

54 Cattle Heads condemned due to LOCALISED Actinomycotic Lesions.
30 " Tongues " " " " " "

VISCERA AND PORTIONS OF CARCASES CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION.

	Bovines	Calves	Sheep & Goats	Pigs.
Heads	1686	129	65	280
Hearts	753	145	8158	1074
Intestines	1584	129	36990	292
Kidneys	1895	210	180	320
Livers	6080	178	30072	1373
Lungs (Pairs)	2103	171	8157	1692
Spleens	1594	129	8157	153
Tails	482	-	-	-
Tongues	748	145	65	280
Tripes	1613	129	80	280
Portions (lbs) Estimated Weights	7952	40	200	300

LICENCE APPLICATIONS

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

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Applications Received	3	163	22	28	18	318	375	55	26	358	325	195	28	1	-	13
Applications Approved	3	159	20	25	15	306	338	43	21	346	216	178	25	1	-	13
Applications Approved Subject to Requirements	-	-	1	1	2	4	19	4	3	-	5	6	1	-	-	-
Applications Disapproved	-	4	1	2	1	10	21	7	2	22	3	15	5	-	-	-
Applications Withdrawn	-	1	-	-	-	-	1	1	1	2	1	-	-	-	-	-

Key to Table:-
1. Apothecary.
2. Boarding Houses, Butchers, Building Contractors.
3. Cobbler and Contractor.
4. Depot, Dressmakers, Dry Cleaners and Dealers.
5. Entertainment and Eating Houses.
6. Fresh Produce, Fumigator and Flats.
7. General Dealer, Garage.
8. Hairdresser and Hawker.
9. Laundry.
10. Manufacturer, Mineral Water Dealer and Milk Purveyor.
11. Pedlar, and Patent Prop. Medicines.
12. Refreshment Room.
13. Storage and Speculator.
14. Tailors.
15. Undertakers.
16. Warehouses.

(2) Applications dealt with under Urban Areas Act.

Applications Received	332
Applications Returned "Not in Order"	25
Applications Returned with requirements	31
Applications Approved for Temporary Licence	1
Applications Withdrawn	-

SANITATION

Total of Inspections (General) carried out	19,110
Total of Rodent Inspections	1,950
Total of Notices and letters served re Contravention of By-Laws	3,357

INSPECTIONS (GENERAL) GIVEN IN DETAIL

1.	Public Markets	314
2.	Butchers' Shops	178
3.	Dealers and General Dealers (Food)	1,099
4.	Dealers and General Dealers (No Food)	189
5.	Fish and Poultry Shops	129
6.	Food Sampling	495
7.	Condemnation of Foodstuffs	24
8.	Bakehouses	47
9.	Milkshops (Purveyors of Milk)	61
10.	Ice Cream (Distributors and Manufacturers of)	16
11.	Tea Shops, Cafes, Restaurants and Eating Houses	481
12.	Residential Hotels, Boarding Houses	178
13.	Aerated Water Manufacturers	3
14.	Other places where food is manufactured	61
15.	Hawkers' Premises	88
16.	Hawkers' Carts	52
17.	Butchers' Carts and Carriers	8
18.	Milk Delivery Carts and Ice Cream Carts	6
19.	Milk Depots and Pasteurising Plants	248
20.	Bakers' Carts	3
21.	Theatres and Bioscopes	36
22.	Smoke Nuisance	162
23.	Common Lodging Houses	959
24.	Barracks	211
25.	Native Quarters	533
26a.	Structural Defects in Premises	935
26b.	Defective Washing Areas	70
26c.	Defective Sanitary Fittings	145
27.	Other House Inspections	659
	c/forward	7,390

SANITATION Cont'd.

	b/forward	7,390
28a.	Undrained Premises	98
28b.	Defective Storm and Waste Water Drains	215
29.	Hairdressers	42
30.	Laundries	117
31.	Schools	25
32.	Factories and Workshops	238
33.	Builders Yards	163
34.	Wood and Coal Yards	41
35.	Courts, Lanes and Alleys	182
36.	Vacant Ground	282
37.	Piggeries	5
38.	Horse Stables	78
39.	Cowkeepers Premises	78
40.	Dairy Stables and Dairies	909
41.	Hide and Skin Merchants' Premises	45
42.	Poultry Keepers	474
43.	Infectious Diseases Visits	15
44.	Malaria and Mosquito Inspections, etc.	1,065
45.	Malaria-Permanent Works, Drains, Tree Planting, etc.	146
46.	Public Sanitary Conveniences	32
47.	Sanitary Conveniences	176
48.	Septic Tanks, French Drains, etc.	35
49.	Pail Privies	175
50.	Pit Privies	273
51.	Refuse and Refuse Bins	539
52.	Refuse Tips	160
53.	Other Visits	1,101
54.	Premises Fumigated for Vermin	25
55.	Other Visits in Connection with Fumigation	7
56.	Disinfections	8
57.	Disinfection of Bedding and Clothing	21
	c/forward	14,160

SANITATION Cont'd.

	b/forward ...	14,160
58.	Rodent Inspections by Rodent Inspector	1,950
	(a) Rodent trapping operations -)	
	(b) Rodent gassing operations 9)	
	(c) Rodent poisoning operations 303)	
	(d) Inspections of New Buildings for Rodent Proofing 107)	
	(e) Other Rodent Inspections by Rodent Inspector 1,531)	
59.	Other Rodent Inspections by Health Inspectors	34
60.	Interviews and Complaints	361

REPORTS FOR TRANSMISSION TO OTHER MUNICIPAL DEPARTMENTS

(1) CITY ENGINEER'S DEPARTMENT.

61.	Blocked Sewers, etc.	68
62.	Street Drains	82
63.	Defective Water Fittings	36
64.	Defective Surface and Waste Water Drains	100
65.	Other Defects	31
66.	Unauthorised Structures	145
67.	Sites, etc. re Plans	814
68.	Water Sampling	16

(2) MUNICIPAL BANTU ADMINISTRATION DEPARTMENT.

69.	Licensing and Other Inspections of Premises under Urban Areas Act	297

(3) LICENSING DEPARTMENT.

70.	Inspection of Premises re Licence Applications	912

(4) GENERAL.

71.	Other transportation trips	104
	TOTAL :	19,110

PROSECUTIONS

Total number of Prosecutions instituted	29
Under Public Health By-Laws (either separately or in conjunction with contraventions of House Drainage; Building; and Sanitary By-Laws)	17
Under Dairy By-Laws	5
Under Food, Drugs & Disinfectants Act	3
Under By-Laws relating to Preparation, Storage & Sale of Foodstuffs	2
Under Sanitary By-Laws	0
Under Building By-Laws	1
Under Public Health Act	0
Under Abattoir By-Laws	1
Under House Drainage By-Laws	0
Under General By-Laws	0
TOTAL	29

Total number in which accused found guilty and penalty imposed	17
Total number found not guilty, complied with, acquitted or withdrawn	12
TOTAL	29

CONDEMNED PREMISES

Rooms and Buildings Condemned and/or Demolished

(a) Under Public Health By-Law No. 17: (Demolition Orders)	29
(Of these premises 19 were demolished during the year, 2 converted to use as open shed, and 8 structures not yet demolished)	
(b) Under Building By-Laws re dilapidated buildings	0
(c) Under Slums Act	0
(d) Voluntary Demolitions	48
TOTAL	77

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