

Report of the Medical Officer of Health on the public health and sanitary circumstances of the city and borough of Pietermaritzburg.

Contributors

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CITY OF PIETERMARITZBURG

ANNUAL REPORT
OF THE
MEDICAL OFFICER
OF HEALTH

For the Year Ended

31st December,

1972



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The Worship the Mayor
and Councilors of
City of Pietermaritzburg

CITY OF PIETERMARITZBURG

PUBLIC HEALTH DEPARTMENT

Mr. Mayor, Ladies and Gentlemen.

I have the honor to present the Annual Report on the Public Health and Sanitary Circumstances of the City of Pietermaritzburg, together with a copy of the report submitted to your Public Health Department for the year ended 31st December 1972.

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, 1972

BY

J.P. O'KEEFE M.R.C.S. (Eng.)
L.R.C.P. (Lond.)
D.P.H.

MEDICAL OFFICER OF HEALTH

... about air and other types of environmental pollution - some of the more notorious of these are the cigarette smokers who are only too happy to fog the atmosphere with their cigarette smoke - endangering not only their own health but also that of the people around them. In a report on 'Air Pollution and Lung Cancer' issued by the Royal College of Physicians, London, in 1969, it is stated that "even in heavy traffic (in London) the level of particulate matter (small particles of dust, soot, haemoglobin) found in the atmosphere is only rarely reached that would be expected to cause lung cancer. Noise pollution is another matter that has occupied our attention. Legislation in the Republic of South Africa and it will be realized that the levels of noise and its duration and fluctuation can make for difficulty in defining its permissible limits is a part of law. Action taken by this Department has mostly been on the basis of voluntary co-operation, dispersing down of noise being carried out by the suspect industry or other premises.

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INTRODUCTORYCITY OF PIETERMARITZBURG

PUBLIC HEALTH DEPARTMENT,
P.O. BOX 89,
PIETERMARITZBURG.

To:

His Worship the Mayor
and Councillors of the
City of Pietermaritzburg.

Mr. Mayor, Ladies and Gentlemen,

I have the honour to present the Annual Report on the Public Health and Sanitary Circumstances of the City of Pietermaritzburg, together with a record of the work carried out by your Public Health Department for and during the calendar year of 1972.

It will be noted that the estimated population for 1972 shews at 140 401, an increase of approximately 20 000 over the previous year. This large increase is mainly due to a more accurate figure for Bantu population being obtained in 1972 as compared with 1971. This Bantu increase is shewn in the jump from 31 070 in 1971 to 48 179 in 1972. Birth rates shew a slight rise over the previous year, this being mainly due to the rate per 1 000 population increasing from 19,2 to 21,7 in 1972. Death rates remain statistically unchanged. It is interesting and at the same time alarming to report that 15% of all the deaths caused by cancer occurred in Whites, and of these 3% were cancers of the lung. It may be that one day the population will listen to their medical advisers and take heed of the very clear association between smoking and lung cancer.

There is much distress amongst the community about air and other types of environmental pollution - some of the more vociferous of these are avid cigarette smokers who are only too happy to fog the atmosphere with their cigarette smoke - endangering not only their own health but also that of the people around them. In a report on "Air Pollution and Health" issued by the Royal College of Physicians, London, in 1970, it is stated that "even in heavy traffic (in London) the level of carboxyhaemoglobin (carbon monoxide bound to haemoglobin) found in the blood of those exposed to its fumes (drivers, etc.) rarely reaches that commonly found in cigarette smokers."

Noise pollution is another matter that has occupied our attention recently. There is, at present, no actual legislation in the Republic on noise and it will be realised that the levels of noise and its duration and fluctuation can make for difficulty in defining its permissible limits in a court of law. Action taken by this Department has mostly been on the basis of voluntary curbing or dampening down of noise being carried out by the suspect factory or other premises.

As .../

As all know, there is a National Campaign at present to control the too exuberant growth of our population, and we can be proud in Pietermaritzburg in that we are endeavouring to carry out, through our family planning clinics, the recommendations of Government within the confines of the City. At present the Public Health Department runs seven clinics a week for all race groups. Plans are being actively pursued at the moment to provide for very many more clinics in all group areas and it is hoped to recruit suitably qualified persons to this expanded service within the next year.

While on the subject of clinic facilities within the City, the time is almost ripe to envisage extra child welfare clinics being established in some of our newer suburbs and also in those that are not well served by our existing clinics. Progress in these plans will be slow as so many factors are involved - extra staff, Central Government authorities etc., but with Council's backing, I feel sure that much will be achieved in the next 2-3 years.

The registered number of Pulmonary Tuberculosis cases in the City at the end of 1972 was 3 808 - a slight increase on the 1971 figures. A startling and unexplained decrease from 107 to 7 cases of Non-Pulmonary Tuberculosis in 1972 was noted. Possibly Non-Pulmonary Tuberculosis cases, particularly in the Bantu, were for some reason or another not always notified. The number of pre-school and school children receiving T.B. immunisation by means of B.C.G. vaccine is being stepped up and this will be more evident in 1973 when several extra campaigns in schools and clinics will be undertaken. Such B.C.G. campaigns will be one of the main methods of controlling the spread of the disease in the future as it is difficult to visualise the day when economic progress here will reach such a stage as to provide sufficient and proper housing and sanitation to overcome the debilitating effects of overcrowding and where each family is able to afford sufficient wholesome food to overcome the poor disease resistance of many of our population which stems from malnutrition and undernutrition.

In my report for last year (1971), I mentioned that 32 cases of (Out of Borough) Poliomyelitis were admitted and treated at our Non-European Infectious Disease Hospital. This rural epidemic continued over the first three months of 1972 when a further 56 cases were admitted and treated successfully. All of these were Out of Borough cases.

I am happy to report that no other serious outbreak of infectious disease occurred during the year.

On the 1st August, 1972, the Municipal Abattoir, which has served this City so well for the last few decades, was taken over by the Government Abattoir Commission. The severance of the Abattoir from the Health Department took place with great regret on all sides, but one feels certain that the service that will be provided in future will always remain of a high standard.

There /

There have been shortages of trained staff from time to time during the year - all types of trained qualified personnel are difficult to recruit as they go to "the highest bidder", for which one cannot blame them! But to my present staff, from the most junior upwards, I must record my sincere appreciation of their hard work and loyalty to the Department. I must also thank all other Departments for their friendly co-operation, as well as the Press and South African Broadcasting Corporation for their kind assistance whenever needed.

Lastly, to Your Worship and all Councillors I must express my appreciation of the firm support and backing given in promoting matters of health in the City and in this I must single out the Chairman and members of the Public Health Committee for their interest and for their enthusiasm in dealing with all matters affecting this Department.

I have the honour to be,

Ladies and Gentlemen,

Your obedient servant,

J.P. O'KEEFE

MEDICAL OFFICER OF HEALTH

(3) TUBERCULOSIS	13 - 16
(4) GENERAL DISEASE	16 - 17
(5) PLANTS	17 - 18
(6) BABIES	18
(7) OTHER COMMUNICABLE DISEASES	18 - 19
i) Malaria	18
ii) Bilharzia	18
iii) Enteritis	18
iv) Worms	18
v) Amoebiasis	18
vi) German Measles	18
vii) Chicken pox	18
viii) Whooping Cough	19
ix) Influenza	19
(8) WATER SUPPLY	19
(9) NIGHTSOIL AND DISPOSAL	19
(10) MEAT SUPPLIES	19 - 20
(11) MILK SUPPLIES	20 - 21
(12) OTHER FOOD SUPPLIES	21

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<u>Notifiable Infectious Disease:</u>	
(a) Anthrax	9
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(c) Diphtheria	10 - 11
(d) Scarlet Fever	11
(e) Cerebrospinal Fever (Meningitis)	11
(f) Anterior Poliomyelitis	11 - 12
(g) Encephalitis	12
(h) Enteric Fever	12
(3) <u>TUBERCULOSIS</u>	13 - 16
(4) <u>VENEREAL DISEASE</u>	16 - 17
(5) <u>PLAGUE</u>	17 - 18
(6) <u>RABIES</u>	18
(7) <u>OTHER COMMUNICABLE DISEASES</u>	18 - 19
i) Malaria	18
ii) Bilharzia	18
iii) Enteritis	18
iv) Mumps	18
v) Measles	18
vi) German Measles	19
vii) Chicken pox	19
viii) Whooping Cough	19
ix) Influenza	19
(8) <u>WATER SUPPLY</u>	19
(9) <u>NIGHTSOIL AND DISPOSAL</u>	19
(10) <u>MEAT SUPPLIES</u>	19 - 20
(11) <u>MILK SUPPLIES</u>	20 - 21
(12) <u>OTHER FOOD SUPPLIES</u>	21

CLIMATE AND RATEABLE VALUE

Latitude - 29 Degrees, 36 minutes, 4 seconds South

Longitude - 30 degrees, 22 minutes, 46 seconds East

Altitude - At Market Square - 658,624 m.(2,160 ft.)

TEMPERATURE AND RAINFALL

1972	<u>RAINFALL</u> <u>IN mm.</u> (Measurement in inches bracketed)	<u>ATMOSPHERIC TEMPERATURE</u>						<u>RELATIVE</u> <u>HUMIDITY</u> Av. Daily
		Av. Daily Maximum		Av. Daily Minimum		Av. Daily Mean		
		(Fahrenheit temperatures in brackets)						
		C	F	C	F	C	F	
January	124,2 (4,89)	29,4 (85,0)	17,0 (62,7)	23,2 (73,9)				76,0
February	197,6 (7,78)	27,0 (80,5)	16,2 (61,2)	20,3 (68,4)				75,0
March	90,1 (3,59)	26,3 (79,4)	17,4 (63,3)	20,9 (69,6)				81,1
April	48,0 (1,89)	23,1 (73,6)	13,5 (56,3)	20,3 (68,4)				75,8
May	68,6 (2,70)	21,7 (71,0)	6,0 (42,9)	15,5 (59,7)				76,3
June	24,8 (0,94)	17,0 (62,7)	2,2 (36,0)	10,1 (50,2)				73,0
July	16,7 (0,66)	18,0 (64,3)	3,2 (38,1)	11,5 (52,8)				72,6
August	30,2 (1,19)	21,3 (70,3)	6,7 (44,0)	14,3 (57,9)				70,8
September	13,7 (0,54)	26,5 (79,7)	8,9 (48,0)	17,5 (63,6)				60,0
October	92,2 (3,63)	19,4 (67,0)	8,2 (46,9)	15,2 (59,3)				58,5
November	124,5 (4,90)	25,0 (77,1)	13,2 (55,8)	20,7 (69,2)				70,0
December	62,5 (2,46)	32,9 (91,2)	19,1 (66,4)	26,0 (78,9)				75,8
TOTAL RAINFALL	893,31 (35,17)							

AREA OF MUNICIPALITY : 14265,3227 ha.

Value of Rateable Property : R248 428 325.

Exempted Property : R 83 332 230.

MUNICIPAL RATE : General : Land : 2,4c. in Rand.
Buildings : 0,8c. in Rand.: Water : Rate : 0,1c. in Rand on Land
only.Total Public Health Expenditure, expressed as a percentage of net
maintenance expenditure of Borough : 8,84%.

LEADING VITAL STATISTICS

YEAR ENDING 31ST DECEMBER, 1972

(Rates for 1971 in brackets for comparison)

POPULATION	WHITE	COLOURED	BANTU	ASIAN	ALL RACES
	45 350	9 312	48 179	37 560	140 401
<u>BIRTHS</u> : Registered Rate per 1 000 population	986 21,7 (19,2)	292 30,7 (37,3)	521 10,8 (19,7)	1 303 34,7 (35,4)	3 103 22,2 (24,8)
<u>BIRTHS</u> : Illegitimate Percentage of total births	42 4,4 (4,3)	76 26,7 (20,5)	281 55,5 (31,1)	35 2,7 (1,6)	434 14,0 (9,9)
<u>INFANT MORTALITY</u> : Rate per 1000 births	18 18,3 (19,5)	20 68,5 (24,4)	34 65,3 (58,7)	47 36,2 (37,6)	119 38,4 (34,7)
<u>STILL BIRTHS</u> : Rate per 1 000 births	6 6 (6,0)	6 (20)	20 (71,2)	20 (15,3)	52 (16,8)
<u>DEATHS</u> : Crude rate per 1 000 population (Corrected for outward transfer)	474 10,5 (10,9)	76 8,2 (7,0)	135 2,8 (2,7)	240 6,5 (6,6)	925 6,6 (7,2)
<u>DEATHS</u> : Children 1 - 4 years inc. Rate per 1 000 population	4 0,1 (0,1)	4 (0,3)	20 (0,2)	10 (0,4)	38 0,3 (0,2)
<u>DEATHS</u> : Malignant & other Neoplasms (A44 - A60) Rate per 1 000 population	75 1,7 (2,5)	4 (0,6)	10 (0,1)	14 (0,2)	103 0,7 (1,1)
<u>DEATHS</u> : Circulatory System (A79 - A86) Rate per 1 000 population	181 4,0 (4,1)	15 (1,8)	15 (0,3)	72 (2,3)	283 2,0 (2,4)
<u>DEATHS</u> : Respiratory System (inc. PTB) (A1 & A87 - 97) Rate per 1 000 population	60 1,3 (1,2)	14 (1,8)	24 (0,6)	14 (0,6)	112 0,8 (0,9)

(1) VITAL STATISTICSPOPULATION:

The following estimations of population in the White, Coloured and Asian groups are based on the 1960 and May 1970 Government Census figures for Pietermaritzburg. The Bantu figures have been kindly supplied by the Director of Bantu Administration, as these are considered the most reliable available.

	White	Coloured	Bantu	Asian	All Races
Male	21 780	4 598	24 724	18 780	69 882
Female	23 570	4 714	23 455	18 780	70 519
PERSONS	45 350	9 312	48 179	37 560	140 401

TOTAL BIRTHS REGISTERED(RESIDENTS)

	M a l e			F e m a l e			T o t a l		
	Legit.	Illeg.	Total	Legit.	Illeg.	Total	Legit.	Illeg.	Total
White	474	18	492	470	24	494	944	42	986
Coloured	102	44	146	114	32	146	216	76	292
Bantu	110	146	256	130	135	265	240	281	521
Asian	656	16	672	612	19	631	1268	35	1303
TOTAL	1342	224	1566	1326	212	1536	2668	434	3102

	Percentage of Illeg. to All Births	Birth Rate per 1 000 Population
White	4,2%	21,8
Coloured	28,1%	31,4
Bantu	54,0%	10,8
Asian	2,7%	34,7
ALL RACES	14,0%	22,2

DEATHSTOTAL 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)
White	240	11,0	234	10,0	474	10,5
Coloured	39	8,5	37	7,8	76	8,2
Bantu	75	3,0	60	2,1	135	2,8
Asian	133	6,8	107	5,8	240	6,4
ALL RACES	487	6,9	438	6,1	925	6,6

Due to a change in procedure of the registration of births and deaths by the Department of Health, from January 1st, residential details of those registered were difficult to obtain in the first 3 months of the year, and therefore statistics over this period may not be accurate. All Bantu statistics (and those under the "All Race" category) must be considered unreliable.

DEATHS: (Pages 5-7)

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

White	:	11,8%	(10,5% last year)
Coloured	:	54,1%	(37,1% last year)
Bantu	:	60,7%	(65,9% last year)
Asian	:	38,9%	(46,6% last year)

These figures once again show how much better the expectation of life is for Whites than for Non-Whites. The table on page 7 also indicates that Cardiac disease far outweighs all other individual causes of death amongst Whites, Coloureds and Asians.

SEASONAL OCCURRENCE OF ALL DEATHS

	WHITE			COLOURED			BANTU			ASIAN			ALL RACES		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
	JANUARY	9	28	37	3	1	4	2	1	3	2	2	4	16	32
FEBRUARY	19	23	42	4	5	9	6	3	9	13	10	23	42	41	83
MARCH	15	13	28	8	4	12	5	7	12	17	7	24	45	31	76
APRIL	13	12	25	2	1	3	5	6	11	9	9	18	29	28	57
MAY	31	24	55	5	7	12	7	3	10	7	6	13	50	40	90
JUNE	22	14	36	-	4	4	11	9	20	19	13	32	52	40	92
JULY	28	24	52	3	2	5	6	12	18	11	6	17	48	44	92
AUGUST	20	27	47	3	3	6	5	5	10	8	17	25	36	52	88
SEPTEMBER	31	16	47	-	1	1	13	6	19	8	11	19	52	34	86
OCTOBER	22	15	37	3	1	4	7	3	10	10	12	22	42	31	73
NOVEMBER	15	13	28	2	3	5	6	2	8	10	2	12	33	20	53
DECEMBER	15	25	40	6	5	11	2	3	5	19	12	31	42	45	87
TOTAL	240	234	474	39	37	76	75	60	135	133	107	240	487	438	925

DEATHS OF RESIDENTS IN AGE GROUPS

	WHITE			COLOURED			BANTU			ASIAN			ALL RACES		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
	Under 1 Year	11	7	18	9	11	20	19	15	34	24	23	47	63	56
1 - 2 Years	2	2	4	4	-	4	9	5	14	4	1	5	19	8	27
3 - 4 Years	-	-	-	-	-	-	2	4	6	2	3	5	4	7	11
5 - 14 Years	3	-	3	-	1	1	-	2	2	-	1	1	3	4	7
15 - 24 Years	3	-	3	2	-	2	2	4	6	5	2	7	12	6	18
25 - 34 Years	5	6	11	3	3	6	6	3	9	7	2	9	21	14	35
35 to 44 Years	12	5	17	5	3	8	7	4	11	12	8	20	36	20	56
Total : 0 - 44 Years	36	20	56	23	18	41	45	37	82	54	40	94	158	115	273
45 - 54 Years	18	13	31	3	3	6	7	3	10	16	20	36	44	39	83
55 - 64 Years	50	26	76	4	4	8	13	8	21	24	13	37	91	51	142
65 - 74 Years	72	61	133	6	7	13	5	7	12	24	26	50	107	101	208
75 Years and over	64	114	178	3	5	8	5	5	10	15	8	23	87	132	219
TOTAL	240	234	474	39	37	76	75	60	135	133	107	240	487	438	925

VITAL STATISTICSSUMMARY OF CAUSES OF DEATH.

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

RESIDENTS ONLY

	WHITE	COLOURED	BANTU	ASIAN
A1 - A5 Tuberculosis	1 : 0,2%	1 : 1,3%	4 : 2,9%	1 : 0,4%
A44 - A49 & A51 - A57 Malignant and other neoplasms excluding lung	61 : 12,8%	3 : 3,9%	6 : 4,4%	11 : 4,6%
A50 Cancer of Lung (Primary)	14 : 3,0%	1 : 1,3%	1 : 0,7%	3 : 1,3%
A81 Arteriosclerotic and degenerative heart disease	126 : 26,3%	10 : 13,2%	11 : 8,1%	50 : 20,8%
A79 & A80, A82 & A83 Other heart diseases	55 : 11,6%	5 : 6,6%	3 : 2,2%	16 : 6,6%
A88 - A93 Influenza, pneumonia and bronchitis	49 : 10,4%	13 : 17,1%	22 : 16,3%	29 : 12,8%
A104 Gastro-enteritis and Colitis except of new born	1 : 0,2%	1 : 1,3%	11 : 8,1%	14 : 5,8%
A105 Cirrhosis of Liver	10 : 2,1%	1 : 1,3%	5 : 3,7%	0 : -
A127-A129 Congenital malfor- mations	2 : 0,9%	2 : 2,6%	1 : 0,7%	0 : -
A130-A135 Diseases of early infancy, including gastro-enteritis and hypo-proteinaemia	13 : 2,7%	9 : 12,1%	12 : 9,0%	28 : 12,4%
A136-A137 Senility	14 : 2,8%	3 : 3,9%	20 : 14,8%	10 : 4,2%
AE138 Motor vehicle accidents	6 : 1,3%	0 : -	0 : -	0 : -
AE148 Suicide	2 : 0,9%	0 : -	0 : -	0 : -
All other accidents	5 : 1,0%	2 : 2,6%	2 : 1,4%	1 : 0,4%
Residue	115 : 26,3%	25 : 32,9%	37 : 20,7%	77 : 32,1%
	474	76	135	240

TOTAL NOTIFICATIONS OF INFECTIOUS DISEASE
INCIDENCE PER 1 000 POPULATION, RESIDENTS ONLY

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

	WHITE	COLOURED	BANTU	ASIAN	TOTAL
Pulmonary Tuberculosis	5 (0,14)	12 (2,3)	119 (3,9)	48 (1,08)	184 (1,5)
Tuberculosis, other forms	2 (0,05)	1 (0,11)	2 (0,05)	3 (0,09)	8 (0,05)
Infective Hepatitis	32 (0,71)	2 (0,22)	0	0	34 (0,2)
Viral Hepatitis	5 (0,11)	0	0	0	5 (0,03)
Typhoid Fever	0	0	7 (0,15)	1 (0,03)	8 (0,09)
Paratyphoid	1	0	0	0	1 (0,01)
Scarlet Fever	5 (0,11)	0	0	0	5 (0,03)
Meningococcal Meningitis	3 (0,07)	2 (0,22)	2 (0,05)	1 (0,03)	8 (0,08)
Viral Meningitis	4 (0,09)	0	0	0	4 (0,04)
Other Meningitis	2 (0,22)	0	0	0	2 (0,02)
Diphtheria	1 (0,02)	0	0	0	1 (0,01)
Encephalitis	11 (0,23)	0	0	0	11 (0,09)
Anterior Poliomyelitis	0	0	1 (0,02)	0	1 (0,01)
Chickenpox with comp.	1 (0,11)	0	0	0	1 (0,01)
Mumps with comp.	3 (0,07)	0	0	0	3 (0,02)
TOTAL	75 (1,66)	17 (1,9)	13 (2,7)	53 (1,4)	276 (2,0)

(2) INFECTIOUS DISEASE:

There were 279 notifications of infectious disease, an increase on the total of 269 recorded last year. Infective Hepatitis again showed a marked increase, from 27 to 34 cases.

NON-WHITE INFECTIOUS DISEASE HOSPITAL (Page 44)

Admissions during 1972 totalled 364, 87 Borough and 277 Out-of-Borough cases, a decrease on the previous year's total of 396. Admissions during previous years have been as follows: 1970 - 373, 1969 - 497, 1968 - 430, 1967 - 384, 1966 - 432, 1965 - 340, 1964 - 401, 1963 - 518, 1962 - 413, 1961 - 299.

AMBULANCE

The following figures have been furnished by the courtesy of the Chief Fire Officer:-

1) Total number of cases removed	:	7 977
2) Infectious cases removed	:	927

LABORATORY WORK

Laboratory work done by the Pathologist.

Throat Swabs	127
Smears, Swabs, Pus for Gonococcus, organisms, etc.	15
Blood	14
Sputum and Pleural Fluids (T.B. organisms, sensitivity)	7
Stools (Parasites, T.B., S. Typhi, etc.)	29
Urines (Chemical, Microscopic, etc.)	42
Milk - for Total Bacterial and Coliform Count	165
Exfoliative Cytology	930
Others	-
	<hr/>
	1329
	<hr/>

Laboratory work done by the Municipal Bio-Chemist.

Milk - Phosphatase Tests	202
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Work done in Departmental Laboratory.

No. of Mosquito larvae examined	:	202
No. of Mosquito adults examined	:	-
No. of Snails examined	:	503
No. of Physopsis identified	:	191

NOTIFIABLE INFECTIOUS DISEASE

(a) ANTHRAX. No cases notified.

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

VACCINATION:

Most Bantu registering at the Municipal Pass Office are vaccinated when he/she is medically examined unless done recently. (See Page 24)

In addition.../

(b) VACCINATION: Continued.

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, and the vaccination carried out by the General Practitioners, returns of which are no longer received by this Department. It should be noted that the Public Health Department cannot issue an International Certificate of Vaccination.

The number of primary vaccinations carried out by this Department at its Clinics during this period was 3842. (White 932; Coloured 397; Bantu 629; Asian 1884).

Re-vaccinations totalled 2810. (White 546; Coloured 97; Bantu 1593; Asian 574).

(c) DIPHTHERIA.

Only one case of Diphtheria was notified this year, compared with three last year. (This refers to Borough case only).

The immunisation history in 20 known positive cases (confirmed by Virulence tests) admitted to our hospital during 1972 was as follows:

Immunised	Non-Immunised or No Information
Total cases : 1	Total Cases : 19 No information: 9 (all Bantu) Non-immunised : 10 (Bantu) Deaths : 6 (Bantu)

The six positive cases (Bantu) confirmed by Virulence test, and about whom there was no information as to whether he/she had been immunised or not, died.

5227 Immunisation courses against Diphtheria were completed at the Infant Clinic sessions (White 997, Coloured 342, Bantu 2154, Asian 1741), again a good increase on last year's figure of 3654.

The percentages of children completing the immunisation course was as follows:

White : 97,0 Col.:88,5 Bantu : 70,0 Asian : 96,0.

The total number of Booster doses given was 3983.
(White : 1484 Col. : 537 Bantu : 303 Asian : 1659.)

The total number of immunising injections given was 21 231.
(White : 4562 Col. : 1644 Bantu : 8018 Asian : 7007.)

The following table gives the Total Births, the Notifications and Deaths from Diphtheria, and the number of Children Immunised (Completed courses) by the Public Health Department since 1963:

DIPHTHERIA Continued.

	WHITE				COLOURED				BANTU				ASIAN			
	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths	Births	Immunised	Notifications	Deaths
1963	786	1342	7	2	187	320	6	-	615	327	10	-	750	912	6	1
1964	780	1168	1	-	262	347	-	-	700	486	3	2	902	1265	2	-
1965	734	602	1	-	229	209	1	-	815	256	2	-	688	1000	1	-
1966	680	756	-	-	205	241	-	-	983	376	4	-	777	956	1	-
1967	807	610	*4	1	294	207	5	-	1000	503	7	-	1252	907	5	2
1968	992	648	-3	-	353	188	-	-	892	430	3	-	1277	996	10	3
1969	1068	824	-1	-	298	266	3	-	707	414	2	2	1511	1170	4	-
1970	901	707	-	-	336	310	2	-	481	522	1	2	1157	1172	-	-
1971	858	932	-	-	528	737	3	2	328	342	-	-	1279	1643	-	-
1972	986	990	1	-	292	342	-	-	521	2154	-	4	1303	1884	-	-

* Includes 1 Diphtheria Ulcer
 - Includes 1 Carrier

Bantu Diphtheria admissions to our Non-White Infectious Disease Hospital totalled 91 (89 Out-of-Borough). There were no Coloured or Asian admissions.

(d) SCARLET FEVER:

Five cases (all White) were notified, as compared with 3 last year, and the disease continued to be mild.

(e) CEREBRO-SPINAL FEVER (Meningitis):

14 Cases (9 White, 2 Coloured, 2 Bantu and 1 Asian) were notified during the year as compared with 6 last year.

(f) ANTERIOR POLIOMYELITIS:

Only one case, a Bantu, was notified this year, a similar figure to last year.

Oral Poliomyelitis Vaccine (Sabin) was offered to eligible age groups in all races as laid down by the State Health Department.

The vaccine is now given at the regular immunisation clinics held throughout the year. During 1972, this Department administered the following doses of the Oral Vaccine (Sabin Types I, II and III):

1. POLIOMYELITIS/

(f) ANTERIOR POLIOMYELITIS: Continued.1. POLIOMYELITIS IMMUNISATION

RACE	AGE GROUPS AND FEEDS														
	Under 1 year			1-4 years			5-9 years			10-19 years			Over 19 years		
	1st Feed	2nd Feed	3rd Feed	1st Feed	2nd Feed	3rd Feed	1st Feed	2nd Feed	3rd Feed	1st Feed	2nd Feed	3rd Feed	1st Feed	2nd Feed	3rd Feed
WHITE	952	932	942	67	52	40	52	41	30	25	21	17	77	84	51
COL.	337	322	307	42	27	20	18	11	17	-	1	1	-	-	-
BANTU	901	632	632	243	156	213	1356	967	963	2429	707	997	129	122	108
ASIAN	1783	1640	1679	98	110	38	63	125	35	221	84	-	37	117	-
TOTAL	3973	3674	3560	450	345	311	1489	1144	1045	2478	813	1015	243	323	159

2. POLIOMYELITIS ORAL IMMUNISATION
BOOSTER DOSES

WHITE	:	3144
COLOURED	:	729
BANTU	:	429
ASIAN	:	3419

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

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;	1961 - 1;	1962 - 0;
1963 - 2;	1964 - 1;	1965 - 1;	1966 - 0;	1967 - 0;	1968 - 2;
1969 - 9;	1970 - 2;	1971 - 1;	1972 - 1.		

Non-White Poliomyelitis cases are treated in the Non-European Infectious Diseases Hospital for a period of three weeks and then transferred to the Other Hospitals or Kwa Hlegabantu for further orthopaedic treatment when required. After the closing of the White Isolation Hospital, these cases are being treated in the isolation wards of Grey's Hospital, when necessary.

(g) ENCEPHALITIS:

11 Cases of Infective Encephalitis were notified compared with 9 last year.

(h) ENTERIC FEVER:

9 Cases were notified (1 White, 7 Bantu and 1 Asian), two more than last year's total.

22 White, 3 Coloured and 13 Bantu employees of the City Engineer's Department Water Works were immunised. 45 Whites, 4 Coloureds, 721 Bantu and 280 Asians were immunised in addition to the above.

See also page 20, Section (11) Milk Supplies.

(3) TUBERCULOSIS (Page 36)

Notifications of Pulmonary Tuberculosis totalled 184, again a slight decrease on last year's total of 187, 5 of these being of Whites. Notifications of Non-Pulmonary Tuberculosis totalled 8 (2 Whites, 1 Coloured, 2 Bantu and 1 Asian), as compared with last year's total of 6.

78 Borough cases (5 Coloured, 45 Bantu and 28 Asian) were admitted to our Infectious Disease Hospital.

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

King George V /Springfield Hospital : White 4, Coloured 2.
S.A.N.T.A. Doris Goodwin Centre : Bantu 15.

The Natal Anti-Tuberculosis Association rendered assistance to a number of families in Pietermaritzburg.

The following tables illustrate the trend in notifications and deaths from this disease over the period 1945 - 1972:

PULMONARY TUBERCULOSIS

	NOTIFICATIONS					DEATHS				
	White	Col.	Bantu	As.	Total	White	Col.	Bantu	As.	Total
July 1945-June 1946	12	10	60	24	106	10	6	24	12	52
" 1946- " 1947	10	13	51	25	99	11	6	31	11	59
" 1947- " 1948	23	9	49	32	113	9	4	23	18	54
" 1948- " 1949	18	8	68	22	116	8	4	44	11	67
" 1949- " 1950	17	9	62	17	105	3	3	27	10	43
" 1950- " 1951	18	9	58	38	123	2	3	20	9	34
" 1951- " 1952	17	15	64	33	129	1	6	30	13	50
" 1952- " 1953	18	21	65	46	150	3	5	11	3	22
Jan. 1954-Dec. 1954	20	5	44	12	81	3	2	6	5	16
1955	14	9	75	31	129	0	2	11	2	15
1956	8	14	86	11	119	0	0	3	4	7
1957	11	11	84	23	129	2	1	14	2	19
1958	13	10	83	24	130	2	0	11	8	21
1959	9	6	97	21	133	1	0	9	2	12
1960	8	10	92	30	140	0	0	10	2	12
1961	4	3	80	23	110	1	2	6	1	10
1962	12	18	107	30	167	1	1	3	2	7
1963	3	14	80	21	118	1	0	2	0	3
1964	11	18	90	22	141	1	0	4	1	6
1965	5	13	72	36	126	0	0	5	3	8
1966	8	6	107	23	144	1	1	3	2	7
1967	5	24	129	48	206	0	1	3	0	4
1968	9	20	111	30	170	1	3	6	0	10
1969	8	13	132	37	190	2	1	3	3	9
1970	14	13	117	45	189	0	1	5	0	6
1971	6	21	121	39	187	1	3	3	0	7
1972	5	12	119	48	184	1	1	4	2	8

NON-PULMONARY .../

(3) TUBERCULOSIS Continued.NON-PULMONARY TUBERCULOSIS

	NOTIFICATIONS					DEATHS				
	White	Col.	Bantu	As.	Total	White	Col.	Bantu	As.	Total
July 1945-June 1946	1	3	5	3	12	1	1	4	3	9
" 1946- " 1947	1	3	8	2	14	0	3	11	3	17
" 1947- " 1948	5	1	9	4	19	1	1	8	2	12
" 1948- " 1949	0	0	7	7	14	1	1	7	2	11
" 1949- " 1950	0	2	12	10	24	1	1	3	2	7
" 1950- " 1951	1	3	10	12	26	0	1	6	2	9
" 1951- " 1952	0	1	7	9	17	1	0	2	1	4
" 1952- " 1953	1	0	6	4	11	0	1	7	1	9
Jan. 1954-Dec. 1954	1	0	7	5	13	0	0	2	3	5
1955	1	1	4	3	9	1	0	3	0	4
1956	0	0	1	1	2	1	0	0	0	1
1957	4	1	2	1	8	0	1	2	1	4
1958	1	1	4	2	8	0	0	4	1	5
1959	0	1	3	3	7	1	0	3	1	5
1960	0	2	1	2	5	0	0	4	0	4
1961	0	0	3	4	7	0	0	1	1	2
1962	0	1	2	2	5	0	0	0	0	0
1963	2	0	2	1	5	1	0	1	1	3
1964	0	1	7	4	12	0	0	3	0	3
1965	1	0	5	2	8	0	0	2	0	2
1966	0	0	4	4	8	0	0	1	1	2
1967	2	0	4	2	8	0	0	0	1	1
1968	1	1	3	1	6	0	0	0	0	0
1969	2	0	1	6	9	0	0	1	1	2
1970	0	3	1	7	11	0	2	4	0	6
1971	0	0	3	3	6	0	0	0	0	0
1972	2	1	2	3	8	0	0	2	0	2

MINIATURE MASS RADIOGRAPHY:

This table indicates the type of patient who attended the units this year for a Miniature X-Ray: (See page 37 for detailed breakdown).

	WHITE	NON-WHITE	TOTAL
Referred ex Bantu Pass Office med. exam.	-	20 267	20 267
Referred for Pre-employment X-Ray	259	884	1 143
Referred by Employers	349	2 620	2 969
Referred by Private Doctors	99	930	1 029
Referred by Health Department	453	1 644	2 097
Referred under Pneumoconiosis Act	5	333	338
<u>Follow-up X-Rays</u> of cases attending Municipal Clinics or in T.B. or other Hospitals	41	2 269	2 310
Total Persons X-Rayed	1 206	28 947	30 153

MINIATURE MASS RADIOGRAPHY Continued.

All Bantu passing through the Municipal Registration Medical examination have a Miniature X-Ray as a routine. This year's figures show that 1 116 out of a total of 20 267 Bantu were referred from the Pass Office for further investigation at the Chest Clinic.

The total of X-Rays taken was very slightly less than last year's total of 30 357. A total of 1 546 cases (including Pass Office) were referred for further investigation for lung disease as a result of Miniature X-Ray findings.

The examination of contacts of active cases of Pulmonary Tuberculosis has been eased immensely by having them Mini-X-Rayed and Heaf tested when necessary.

10 713 Visits were made to Tuberculosis patients and contacts in their homes compared with last year's total of 10 447 visits.

THE TUBERCULOSIS CLINIC (Page 36)

Staff: Medical Officer (Part-time), two White and two Bantu Health Visitors and 2 Bantu Health Assistants. The Health Visitors and Assistants are employed full-time.

During the year there were 12 321 attendances at the Clinic, a big increase on last year's total of 10 447. All contacts are now referred first of all to the Miniature X-Ray Clinic or are Heaf tested in the case of children and only brought to the T.B. Clinic if found to be abnormal.

B.C.G. Immunisation was continued at the Sobantu Village during the year on newly born infants, on infants up to the age of 2 who attended our Infant Welfare Clinics, and on contact cases. All tuberculosis tests are now carried out by the Heaf gun method and read after 7 days. B.C.G. inoculation is also carried out by the 20 needle Heaf gun method, administered twice.

'Heaf' Tuberculin Tests.

	(1) First Tests				(2) Following B.C.G. Administration			
	White	Col.	Bantu	Asian	White	Col.	Bantu	Asian
Positive	53	33	1611	288	7	2	20	20
Negative	136	65	303	316	1	-	1	-
Doubtful	-	-	-	-	-	-	-	-
Not Read	30	18	107	81	3	-	1	1
Total	219	116	2021	685	11	2	22	21

B.C.G. Inoculations : White : 114
 Coloured : 35
 Bantu : 128
 Asian : 226

 TOTAL : 503

Out-Patient .. /

THE TUBERCULOSIS CLINIC Continued.

Out-Patient continuation treatment with oral anti-tuberculosis drugs 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. Most local cases are able to commence treatment with a period of hospitalisation and although the Streptomycin Clinic was discontinued, a limited number of patients still receive Streptomycin injections, (5 patients- (1 White, 2 Coloured and 2 Asian) received a total of 96 injections.)

10 713 Visits were made to T.B. patients and contacts in their homes (Borough cases only) as compared with last year's total of 10 447. (See page

The following notified cases were on our Tuberculosis register as at 31st December, 1972 (1971 figures in brackets for comparison):

	<u>White</u>	<u>Col.</u>	<u>Bantu</u>	<u>Asian</u>	<u>Total</u>
Pul. T.B.	145 (150)	136 (147)	2927 (2309)	600 (391)	3808 (3002)
Non-P.T.B.	2 (10)	1 (2)	1 (56)	3 (14)	7 (107)

The Pietermaritzburg Tuberculosis Hospital (Non-European)

Admissions totalled 191; 78 Borough cases (5 Coloured, 45 Bantu and 28 Asian) and 113 Out-of-Borough cases (1 Coloured, 102 Bantu and 10 Asian) as compared with 90 Borough and 112 Out-of-Borough cases last year.

Again, there has been no difficulty in securing the admissions of Whites to King George V Hospital for Tuberculosis in Durban. There are no Pulmonary Tuberculosis beds available in Pietermaritzburg.

(4) VENEREAL DISEASE (Pages 40-43)

- (a) & (b) Europeans may attend by appointment and one Clinic Session is held for each other race and sex. These are conducted by the Medical Officer of Health, the Deputy Medical Officer of Health and Clinical Medical Officer. These Clinics are held at the Municipal Clinic in Boom Street for Non-Whites. Separate Clinic Sessions are held for all races and sexes. One White Health Visitor (half-time), 3 Bantu Health Visitors and 2 Bantu Health Assistants assist at the Clinics. Two Bantu Health Assistants devote their full-time to Venereal Diseases.
- (c) An important aspect of the Venereal Disease work is the follow-up of cases and the seeking out of defaulters at their places of work and in their homes. A group of Venereal Disease sufferers who are difficult to treat adequately are those who serve on long distance buses and other heavy transport who are here for one treatment today and are never seen or heard of again. Close co-operation between employers of such labour and ourselves would help overcome this problem.
- (d) This Local Authority does not conduct White and Coloured Ante-Natal Clinics ... in Pietermaritzburg. The Medical Superintendent, Grey's Hospital, advises that the results of routine VDRL Tests at the Ante-Natal Clinics are as follows:

WHITE /

(4) VENEREAL DISEASE Continued.

	WHITE		COLOURED		ASIAN	
	VDRL's done	% pos.	VDRL's done	% pos.	VDRL's done	% pos.
1966	467	0,9%	328	4,9%	1288	1,6%
1967	514	0,8%	352	6,0%	1313	1,6%
1968	377	4,2%	313	9,0%	1388	5,8%
1969	322	3,7%	321	11,8%	1402	5,4%
1970	291	2,0%	-	5,0%	1615	2,6%
1971	266	1,1%	369	2,8%	1564	1,3%
1972	220	1,4%	361	3,3%	1614	1,4%

An Asian Ante-Natal Clinic is conducted by the Grey's Hospital Staff at the Council's Northdale Infant Welfare Clinic Building. Bantu Ante-Natal Clinics were transferred to Edendale Hospital in 1953. A small Ante-Natal Clinic is held in the Sobantu Village for the Bantu who are to be confined at home by the Municipal Midwife, and the results of the tests carried out at the Clinic are as follows:

No. of Tests : 106. VDRL Positive : 11 (9,6%)

(e) This year there was again an increase in Clinic Attendances, there being 9351 attendances during the year, as compared with last year's total of 8422. Home Visits were paid to cases of Venereal Disease during the year as compared with the 1971 total of 1518.

(f) A total of 20 venereal disease patients was admitted to the Non-European Infectious Diseases Hospital for in-patient treatment during the year. There were 12 males and 8 females, all Bantu.

(5) PLAGUE:

No cases of Plague occurred during the year. Regular inspections of new shops and warehouses in the course of erection have been carried out and rodent proofing supervised. In all, 2953 inspections were made by the Department Rodent Officer who devotes all his time to anti-rodent measures, rodent proofing, trapping and poisoning. Cyanogas operations are undertaken when there is evidence of rodent infestation on vacant ground.

Details of the Rodent Inspector's work were:

Number of:

Dwellings dealt with	437
Dwellings rat-proofed	15
Grain Stores inspected	1
Warehouses inspected	14
Warehouses rat-proofed	6
Factories (food manufacturing) inspected	3
Factories (food manufacturing) rat-proofed	1
Factories (non-food) inspected	45
Factories (non-food) rat-proofed	20
Hotels and food handling premises inspected	258
Hotels and food handling premises rat-proofed	47
Other business premises inspected	321
Other business premises rat-proofed	81
Stables inspected	1
Mills inspected	1
Mills rat-proofed	1

Buildings /

(5) PLAGUE Continued.

Number of:

Buildings supervised during erection	248
Buildings supervised prior to demolition	104
Buildings gassed/poisoned prior to demolition	1
Vacant land gassed	4
Vacant land dealt with	333
Trapping Operations	3
Gassing Operations	9
Rats gassed	38
Poisoning operations	144
Rats found poisoned	59
Refuse and rubble inspections	662
Other inspections	41
Refuse bin inspections	55

A total of 197 letters and notices were sent by the Rodent Inspector.

(6) RABIES

We have received no notification of rabies in Pietermaritzburg and District during the year under review. No humal cases were treated.

(7) OTHER COMMUNICABLE DISEASES(1) MALARIA:

In view of the sharp outbreaks of Malaria in the Eastern Lowveld during the year, a very careful watch has been kept in the Borough on the mosquito population. Two White cases of Malaria have occurred within the Borough and both infections appear to have been picked up extra-territorially. In Pietermaritzburg, no large foci of anopheline breeding were discovered.

(11) BILHARZIA:

Intensified surveys were carried out for the identification of snails. Copper sulphate was used for the treatment of streams and dams where Physopsis Africana were identified with a resultant rapid and considerable reduction in the number of snails found, treatment being repeated at regular intervals.

Snails examined	:	503
Physopsis Africana identified	:	191

No new infections with Bilharzia were reported to this Department during the year.

(111) ENTERITIS: in infants between the age of 4 weeks and one year accounted for 20 deaths, compared with 14 last year.

(1V) MUMPS:

There were no admissions to the Non-European Infectious Diseases Hospital. There were 3 deaths in Whites, due to complications of the disease.

(V) MEASLES (including Complications):

This disease was not prevalent this year, 19 Non-White cases being admitted to the Non-European Infectious Disease Hospital. 2 Deaths (1 Col. and 1 Bantu) were recorded from this disease in Borough cases.

(VI)/

(7) OTHER COMMUNICABLE DISEASES Continued

(VI) GERMAN MEASLES:

There were no admissions to the Non-European Infectious Disease Hospital this year.

(VII) CHICKEN POX:

Although there were no Non-White admissions, there was one White death from Chicken Pox with complications.

(VIII) WHOOPING COUGH:

This disease was not 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). 2 Bantu were admitted to our Infectious Disease Hospital.

(IX) INFLUENZA:

The incidence of influenza appeared to be lower in 1972 than in previous years, although there was a sharp outburst in May and June. There was one White death in the City.

(8) WATER SUPPLY (See page 47)

Water supplies, which are under the control of the City Engineer, remained satisfactory throughout the year.

The City Engineer states that there has been no major change in the supply of raw water to the City nor in the manner of purification and distribution during the year. Expansion of the City has necessitated the bringing into service of two service reservoir for Stage II of Imbali Township, together with the necessary reticulation. Similar extensions were also carried out at Northdale and Hayfields suburbs.

The Laboratory at Signal Hill Water Purification Works tested 1412 water samples during the year, all of which were satisfactory.

The annual daily consumption of water for the 1972/73 year was 39,75 mega l.

(9) NIGHTSOIL 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 to the sewerage farm about 5 km. from the centre of the City.

(10) MEAT SUPPLIES:

Regular inspections of Butchers' shops were made by the Department's Health Inspectors, in addition to many inspections made by the Abattoir Staff. A list of meat, fish and fowl condemned after inspection is shown on page 48.

During the seven-month period January 1st to July 31st, 93 842 animals were slaughtered, a substantial pro-rata decrease of last year's 210 670. Control of the Abattoir was carried out by this Department until July 31st.

Re-inspections/

(10) MEAT SUPPLIES Continued.

Reinspections of meat imported into the City totalled 2696 carcasses over the seven months, reflecting a major change in meat marketing procedure. For the whole of 1971, only 2513 imported carcasses were inspected and 1682 in 1970.

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

CYSTICERCUS BOVIS AND CELLULOSAE ("Measles")

The following table shows the number of carcasses infected with "Measles" during the last 10 years:

	CATTLE			CALVES			PIGS		
	Slaugh- htered	% In- fect- ed	% Totally Condem- ned	Slaugh- htered	% In- fect- ed	% Totally Condem- ned	Slaugh- htered	% In- fect- ed	% Totally Condem- ned
1963	18 020	8,1	1,3	3 882	5,6	1,8	6 081	1,6	1,3
1964	20 814	8,0	1,2	4 066	5,5	3,9	6 659	2,0	1,6
1965	21 858	7,1	1,0	3 699	6,3	1,8	7 881	1,0	0,8
1966	23 969	6,01	0,9	3 860	4,5	1,3	9 335	0,9	0,7
1967	23 736	6,42	1,0	3 955	5,03	1,57	11 071	0,73	0,58
1968	24 360	6,4	0,8	4 115	5,15	1,5	11 783	0,75	0,56
1969	24 927	6,8	1,1	3 917	5,5	1,6	12 378	0,6	0,5
1970	27 478	4,90	0,45	2 574	13,29	3,22	14 142	0,55	0,40
1971	29 333	5,39	0,49	2 685	14,12	3,5	13 096	0,66	0,40
Part									
1972	18 033	4,92	0,42	1 447	13,68	4,63	7 167	0,79	0,16

BY-PRODUCTS

All blood, condemned meat and offal was processed in our By-Products Plant as usual for the period under review.

The extensions to the auction/hanging hall and the offal block, together with the roadway along the latter, were completed. The larger and improved facilities proved a great asset. The complete overhaul of all existing plant, together with the inclusion of certain new additional equipment, was also completed, with a distinct improvement in operation.

With regard to blood and condemned meat and offal, the estimated total weight for processing was 250 447 kg., producing an income from sales of R19 880, 68.

(11) MILK SUPPLIES

The milk supply has again been carefully controlled throughout the year. It was derived from 11 producer-distributors, one of whom was in the Borough. Further, there are 218 producers, 76 of whom send their milk to the one pasteurisation plant in the Borough (N.C.D.). The other 157 send milk to Pinetown for pasteurisation, whence it is returned to the Creamline depot in Pietermaritzburg for distribution. A new distributor of pasteurised milk from Hillcrest began supplying milk into the Borough from 1st July, 1972.

All these dairymen are registered with this Department and their premises are inspected regularly. Approximately 84% - a similar proportion to last year - of the milk sold in Pietermaritzburg was pasteurised.

(11) MILK SUPPLIES Continued.

There are 5 suppliers of cream, one of whom is in the Borough.

During the year, there were no amendments in the Borough to the By-Laws concerning milk.

(12) OTHER FOOD SUPPLIES (Page 46-48)

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. (Page 48). Condemned foodstuffs are removed to the refuse tips, made unusable and disposed of by dumping and earth-covering.

Details of all licence applications dealt with by the Department are reflected in the Table on page 53. Careful attention is paid to storage conditions particularly to rodent-proofing. Regular inspections of the Borough Market and of other premises manufacturing or handling food were made. (Pages 54/56)

Food and Drugs Act (Page 46)

Under the Food, Drugs and Disinfectants Act, 119 samples were taken and the results of the analyses were as follows:

Milk: 43 Samples, of which 42 were in accordance with requirements of Act No. 13 of 1929.

Ice Cream: 12 Samples - all in accordance with standards laid down.

Cream: 8 Samples - all in accordance with standards laid down.

Milk Shakes: 4 Samples - all in accordance with required standards.

Mince Meat: 31 Samples - all in accordance with required standards.

Sausages and Boerewors: 18 Samples. All complied.

Polony: 3 Samples. All complied.

Food Poisoning: No episodes were reported.

(13) MATERNITY AND CHILD WELFARE: (Page 45)

The Infant Mortality Rate for 1972 varies in respect of the different race groups. Figures, per 1 000 population, for the four races were : White 18,3 (19,5); Coloured 68,5 (24,4); Bantu 65,3 (58,7) and Asian 36,2 (37,6). Figures in brackets reflect last year's rate.

The main causes and age groupings of Infant Mortality in the different races are shown on pages 31-32.

Amongst Whites, Prematurity was the main cause of Infant Mortality, with Prematurity and Gastro-Enteritis and diseases of the chest, the chief causes among Non-Whites.

This Department continued to supply milk to necessitous infants up to the age of 2 years and also to a small number of children below the age of 5. See page 12.

Combined/

(13) MATERNITY AND CHILD WELFARE Continued.

Combined Diphtheria, Tetanus and Whooping Cough immunisation and Poliomyelitis Immunisation was continued as one of the important activities of the Infant Clinics. 5 227 Children were immunised against Diphtheria (White 997, Coloured 342, Bantu 2 154, Asian 1 741), as compared with 3 654 last year.

Of the total given above 976 Whites, 332 Coloureds, 728 Bantu and 1 721 Asian infants were immunised against Whooping Cough and Tetanus at the same time as against Diphtheria. See pages 10-11

The total of Booster and "Unfinished Courses of" injections given was 3 983. (White 1 484; Coloured 537; Bantu 303; Asian 1 659).

Oral immunisation against Poliomyelitis (with "Sabin" Vaccine) was completed in 5 090 persons. (White 1 080; Coloured 345; Bantu 2 913; Asian 1 752). (See page 12)

Child Welfare Clinic Attendances have been as follows:

	<u>White</u>	<u>Coloured</u>	<u>Bantu</u>	<u>Asian</u>	<u>Total</u>
1963	8 466	2 188	12 445	10 564	33 663
1964	8 482	2 949	12 307	12 029	35 767
1965	8 317	2 906	8 655	12 278	33 136
1966	8 920	3 028	11 400	15 051	38 399
1967	9 773	3 147	14 908	17 275	45 103
1968	9 892	3 943	16 963	17 554	48 352
1969	10 549	3 260	15 457	19 557	48 823
1970	10 429	4 306	17 755	18 575	51 063
1971	11 160	4 758	17 340	20 521	53 779
1972	11 184	4 200	17 580	20 863	53 825

Vaccination: See page 10

Maternal Mortality:

No deaths were recorded.

The Midwifery Training School at Grey's Hospital (the Provincial Hospital) provides midwifery services for Whites, Coloureds and Asians in the wards of Grey's Hospital, and District Midwifery Services in Pietermaritzburg for Whites, Coloureds and Asians. In addition, Ante-Natal Clinic Services for these races are provided.

A weekly Ante-Natal Clinic session has been commenced by Grey's Hospital staff in the Northdale Municipal Infant Welfare Clinic building. This facility has been granted to the Province free of charge by the City Council.

The Bantu Maternity Wards and Ante-Natal Services at Imbali are provided at the General Hospital at Edendale. Bantu District Midwifery is carried out in the Sobantu Village by a Municipal Bantu Midwife.

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

(a) Ante-Natal Clinic Attendances:

Whites	:	1 604	
Coloureds	:	1 853	
Asians	:	8 175	
TOTAL	:	<u>12 261</u>	(15 798 last year)

(b) .../

(13) MATERNITY AND CHILD WELFARE Continued.

(b) Total Number of District Midwifery Visits:

Whites	:	672	
Coloureds	:	1 663	
Asians	:	8 175	
TOTAL		<u>10 510</u>	(11 698 last year)

The Municipal Bantu Midwives conducted 44 confinements, 769 visits in connection with confinements, and 550 Ante-Natal visits, all at Sobantu Village, where an Ante-Natal Clinic was also held at the Dispensary. 48 Abnormal cases were sent to hospital.

	No. of New Patients	Ante-Natal Attendances	VDRL's Taken	VDRL's Positive	RH Positive	RH Negative
Sobantu Village	100	484	106	11	92	6

(See also P. for VDRL results in Hospital Ante-Natal Clinics)

The Midwifery District service previously conducted by this Department at Imbali has been discontinued. Pietermaritzburg is a "Prescribed Area" under Section 39(b) of the Medical and Pharmacy Act No. 13 of 1938.

(14) EXFOLIATIVE CYTOLOGY SERVICE:

This Department continued to provide an Exfoliative Cytology Service for women of all races in the Borough. This service is only possible through the full co-operation of the State Health Laboratory in the City who carry out the cytological examinations, and those general practitioners of the City who avail themselves of the service.

In the year under review, a total of 930 slides were reported on. (Asian 100, Bantu 184, Coloured 39, White 607).

(15) BY-LAW NOTICES AND PROSECUTIONS (Pages 54-56)

5 964 Notices and formal letters were served regarding breaches of the Borough By-Laws. 106 Prosecutions were initiated in the Magistrate's Court, as detailed on page 57. The total of inspections carried out this year was 41 346 as compared with 43 624 last year.

(16) OTHER MATTERS OF HEALTH AND SANITATION:

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

Complaints from Burgesses: 726 Complaints were received and dealt with. Most of these complaints dealt with untidiness of empty plots, rubbish dumping, rodent nuisance and fly infestations.

Medical Examination of Bantu:/

(16) OTHER MATTERS OF HEALTH AND SANITATION

Continued

Medical Examination of Bantu:

Number Examined	Referred to T.B. Clinic after Min. X-Ray (see p. 37)	Rejected V.D.	Rejected Other Causes	Vaccinated
Male : 24 276	925	153	8	21 210
Female : 6 299	189	169	-	5 001
Total : 30 573	1 114	322	8	26 211

The medical examination of Bantu female domestic servants is now carried out on all females applying for registration. 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 all Bantu attending the Medical Examination sessions, unless they have been X-Rayed within the preceding 6 months.

Sobantu Village Dispensary:

A general outpatient clinic is held three mornings a week at Sobantu Village. This has proved very popular and it may be necessary in the future to expand the service.

A full-time Bantu nurse, who lives in the Village, assists at the Clinic, does the necessary dressings and follow-up treatment, and visits patients in their homes.

There were 3 891 new cases during the year, as against 3 287 in 1971.

(17) STAFF:

The Staff of the Department at 31st December, 1972, was as follows:

ADMINISTRATIVE AND OFFICE

Medical Officer of Health	: J.P. O'Keefe, M.R.C.S., L.R.C.P., D.P.H.
Deputy Medical Officer of Health	: N.T.W. Pover, L.M.S.S.A., L.R.C.S., L.R.F.P.S., D.P.H.
Clinical Medical Officer	: P.H. Maier, M.D. (Holland)
Chief Clerk	: D.C. McLaurin
Section Clerk	: G.H. Wolmarans
Administrative Assistants	: J.H.F. Bridges : D. Goodwin : P. du Toit : R.F. Bowyer : D.V. White : M.H. Nixon
Senior Woman Clerical Assistants	: Miss Y.W. Gafney : Mrs. J. Reid
Women Clerical Assistants	: Mrs. R.M. Rowney : Miss K.A. Hughes : (1 Vacant Post)

INSPECTORATE

Chief Health Inspector	: A.M. King, Cert. R.S.I., Meat & Other Foods Cert. R.S.I.
Deputy Chief Health Inspector	: D.C. Johnston, Cert. R.S.I., Tropical Hygiene Cert. R.S.I., Meat & Other Foods Cert. R.S.I.
Senior Health Inspector (Dairies)	: C.L.O. Iversen, Cert. R.S.I., Meat & Other Foods Cert. R.S.I., Tropical Hygiene Cert. R.S.I.
Senior Health Inspector	: R.D.W. Dutton, Cert. R.S.I., Meat & Other Foods Cert. R.S.I., Tropical Hygiene Cert. R.S.I., Adv. Knowledge of H.I.
Dairy / Health Inspector	: R.M. Hibbert, National Diploma for Health Inspectors.
Health Inspectors	: S. Tulleken, Cert. R.S.I., Meat & Other Foods Cert. R.S.I., Tropi- cal Hygiene Cert. : J.E. Butler, Cert. R.S.I., Meat & Other Foods Cert. R.S.I., Tropi- cal Hygiene Cert. : R. Conradie, Cert. R.S.I., Meat & Other Foods Cert. R.S.I. : H.D. Ryder, National Diploma for Health Inspectors.
Asian Health Inspectors	: T. Naidoo, National Diploma for Health Inspectors. : (3 Vacant Posts)
Bantu Health Inspectors	: R. Mntungwa, Cert. R.S.I., National Diploma for Health Inspec- tors. : S.L. Dlamini, National Diploma for Health Inspectors.
Malaria Officer	: R.F. Fryer
Rodent Officer	: G. Fairfield.

(17) STAFF Continued.HEALTH VISITING STAFF

Senior Health Visitor	: Miss E.E. Holcomb, Health Visitor's Cert. R.S.I., Mothercraft Cert.
Health Visitors	: 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.
	: Mrs. B.A. Mitchell, Health Visitor's Cert. R.S.H.
	: Mrs. J.A.M. Bassage, Health Visitor's Cert. R.S.H.
	: Miss D.A. Cheesman, Health Visitor's Cert. R.S.H.
	: Mrs. D.V. Seeton, Health Visitor's Cert. R.S.I.
Clinic Sister	: Mrs. U. White.
Clinic Clerks	: Mrs. A.M. Bang : Miss K.B. Magee : Mrs. J.M. O'Connor
Bantu Health Visitors	: Mrs. B.S. Shange, Health Visitor's Cert. R.S.H.
	: Miss N. Manaka, Health Visitor's Cert. R.S.H.
	: Mrs. M.J. Mapena, Health Visitor's Cert. R.S.H.
Asian Health Visitors	: Mrs. S. Badrudeen, Health Visitor's Cert. R.S.H.
	: (1 Vacant Post)
Bantu Clinic Clerk	: Mrs. M. Nzimande
Asian Clinic Clerk	: Mrs. A. Pillay

BANTU NURSING AND HEALTH ASSISTANT STAFF

Bantu Nurse (Sobantu Village Dispensary)	: Nurse Sophia Masongoa, Health Visitor's Cert. R.S.I.
District Bantu Nurse	: Nurse L. Ngubane, S.A.N.C. Cert. (General and Midwifery)
District Bantu Midwife (Sobantu Village)	: Nurse I. Ngcobo, S.A.N.C. Cert. (General and Midwifery)
Bantu Health Assistants	: H. Lange, P. Matlapeng, E. Ngcobo, M.E. Khumalo.

FAMILY PLANNING

Clinic Clerk	: Mrs. M.M. Cillie
Health Educator/Clerks (Bantu)	: A.A.M. Nzimande : G. Dladla
Health Educator/Clerks (Asian)	: (Vacant)

NON-EUROPEAN .. /

(17) STAFF Continued.NON-EUROPEAN INFECTIOUS DISEASES HOSPITAL

Matron : Miss J.M.F. McKenzie
 Male Nurse : (Vacant)
 Housekeeper : Mrs. A. Roberts
 Bantu Sisters : 2
 Bantu Staff Nurses : 11
 Bantu Enrolled Auxilliary Nurses : 2
 Bantu Nurse Aides : 7
 Bantu Orderly : 1

ABATTOIR (ON SECONDMENT)

Manager : R.M. Brock, Cert. R.S.I., Meat & Other
 Foods Cert. R.S.I.
 Senior Meat Inspector : F.W.J. Wessels, Cert. R.S.I., Meat &
 Other Foods Cert. R.S.I.
 Tropical Hygiene Cert.
 R.S.I.
 : J.H. Heyns, Cert. R.S.I., Meat & Other
 Foods Cert. R.S.I.
 : D.R. McDonald, Cert. R.S.I., Meat &
 Other Foods Cert. R.S.I.,
 Tropical Hygiene Cert.
 R.S.I.
 : J.J. van Staden, Cert. R.S.I., Meat &
 Other Foods Cert.
 R.S.I.
 Administrative Assistant : A.K. Imray
 Woman Clerical Assistant : Miss I.M. Horstman
 Slaughterman Supervisor : P.D. Bearpark
 Refrigeration Maintenance Mechanic : (Vacant)
 By-Products Plant / Maintenance
 Supervisor : N. Truter

PASS OFFICE EXAMINATION AND MINIATURE X-RAY
 CLINIC

Senior Clerk / Radiographer : P.E.G. Gibson
 Clerk / Radiographer : G. Humby
 Bantu Clerks : 2

REPORT B.1) HOUSING:

The City Council completed 159 dwellings for Whites during the year, all at the Grange.

Only two dwellings were condemned for demolition under Public Health By-Law 17, and 35 dwellings were demolished voluntarily, to make way for new construction in most cases. No closing orders were made, and the full By-Laws have been exercised in dealing with insanitary 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 and not yet dealt with	Total Submitted
1972	571	891	281	25	1768

New Buildings : (Private Enterprise):

The City Engineer reports that 239 dwellings and 80 flats were completed for Whites. For Coloureds the figure was 7 flats and for Asians 106 dwellings and 7 flats were constructed. These were all provided by private enterprise and reflect a decrease in all types of housing.

2) HOUSING OF COLOURED, BANTU OR ASIAN LOCATIONS OR BARRACKS:

The Pietermaritzburg Sobantu Village, situated about 5 Km. from the centre of the City, still contains 1091 occupied houses and various public buildings, with an estimated population of 11,083. Water is supplied partly by individual house reticulation and partly by communal standpipes from the Corporation Water Supply. Sanitation is by water-borne sewerage, separate for each house except for a low-lying section of the Village (377 houses) which is still served by the pail system. Communal ablution blocks with provision for hot baths and laundries are provided.

Although there is still room for expansion available at the Sobantu Village, the Government will not permit the extension of this scheme and the Economic Houses constructed 14 years ago were the last houses to be built at this Village.

Stage I of the new Council Bantu Housing Scheme at Imbali, comprising 1567 houses and 432 hostel units (3456 males housed) has now been completed. The total population is estimated at approximately 15,000 and work on Stage II of the Imbali Scheme has now begun, but no houses have been completed to date.

There are now three Corporation Hostels in the City for single Bantu. for males, the East Street Hostel (and annexes) houses 1800. The Womens Hostel in Church Street houses 250 women. These hostels are under the control of the Department of Bantu Administration, European Superintendents being employed. In addition, the Imbali mens hostel accommodates 3456. (These figures reflect the status at 31st December, 1972).

(2) HOUSING OF COLOURED, BANTU OR ASIAN LOCATIONS OR BARRACKS. Continued.Asian Housing:

The Corporation owns one compound, housing sewerage farm workers. This compound consists of 26 houses and 6 rooms, well constructed in brick, and houses Asian Labourers, together with their wives and families, totalling more than 300 persons.

The Council has appointed a Woman Housing Manager, trained under the Octavia Hill Scheme, who operates under the Estates Manager in the Estates Department.

(3) UNAUTHORISED DWELLINGS.

Several unauthorised shack developments have been found during the year, the largest one housing approximately 100 persons of Bantu, Asian and Coloured grouping in an assortment of tin shanties, mud huts, old vehicle bodies, etc. Sanitation was conspicuous by its absence and a piped water supply lacking. Arrangements for the rehousing of these people were being undertaken at the close of the year.

(4) REMARKS AND RECOMMENDATIONS ON HOUSING MATTERS:

The waiting list for Municipal Housing, as at 31st December, 1972, is:

Whites	:	346
Coloureds	:	555
Asians	:	2 540

Bantu Housing

The housing needs for the Bantu population as estimated by the Director, Department of Bantu Administration, are as follows:

Married Quarters	:	2500 houses
Single Quarters	:	3000 persons

Approximately 16,3% of Bantu residents live in licensed employers' premises.

The waiting lists of applications for housing for the other race groups kept in the Estates Department indicate that there is still urgent need for more municipal housing for both economic and sub-economic groups.

Council Housing Schemes

A. The City Council has now completed the following schemes for Whites:

Willow Gardens Flats	: Scheme IV	: 30 Flats.
Sanctuary Road	:	26 Houses.
Grange	:	now completed and occupied : 519.

B. Construction has begun on two Asian schemes and at the end of the year, 422 of the proposed 2159 economic and 498 sub-economic houses had been completed and let.

C. New Coloured Housing projects (K.2 and K.3 in the Bishopstowe area) were given Government and Council approval during the year. This suburb is to be known as Eastwood and will consist of a 100 Hectare development at first, housing about 8,000 Coloureds followed later by developing the adjoining 220 hectares with sufficient housing for a further 15,000 Coloureds.

It is satisfying to note that Council has approved of the principle of community buildings, including a clinic, being established in the initial construction stages of these projects.

INFANT MORTALITY RATES
(Deaths per 1000 births)

	WHITE	COLOURED	BANTU	ASIAN	ALL RACES
During first 24 hours	10 : 9,9	6 : 20,4	1 : 1,9	16 : 12,3	33 : 10,7
2 - 7th Day	1 : 1,0	3 : 10,2	7 : 13,4	4 : 3,1	15 : 4,8
1 Week - 1 Month	5 : 4,5	3 : 10,2	3 : 5,8	11 : 8,5	22 : 7,1
1 Month - 2 Months	1 : 1,0	2 : 6,8	4 : 7,7	4 : 3,1	11 : 3,5
3 Months - 5 Months	0 : 0	1 : 3,4	5 : 9,6	3 : 2,3	9 : 2,9
6 Months - 8 Months	1 : 1,0	1 : 3,4	12 : 23,1	5 : 3,8	19 : 6,1
9 Months - 11 Months	0 : 0	4 : 13,6	2 : 3,8	4 : 3,1	10 : 3,2
INFANT MORTALITY RATE	18 : 19,2	20 : 68,0	34 : 65,4	47 : 36,1	119 : 38,4

Percentage of deaths of all ages during first year of life-

White : 3,8%
 Coloured : 26,3%
 Bantu : 25,2%
 Asian : 19,2%
 All Races : 12,9%

INFANT MORTALITY	WHITE						COLOURED			BANTU			ASIAN			ALL RACES		
	M		F		P		M	F	P	M	F	P	M	F	P	M	F	P
First 24 Hours	6	4	10	3	3	6	1	0	1	11	5	16	21	5	16	21	12	33
2nd - 7th Day	1	-	1	2	1	3	2	5	7	8	20	28	7	4	7	8	15	
TOTAL : - 1 Week	7	4	11	5	4	9	3	5	8	20	28	38	12	20	28	20	48	
1 Week - 1 Month	4	1	5	1	2	3	2	1	3	11	10	16	10	11	10	12	22	
TOTAL : - 1 Month	11	5	16	6	6	12	5	6	11	31	38	70	23	31	38	32	70	
1 Month - 2 Months	0	1	1	0	2	2	3	1	4	4	5	11	6	4	5	6	11	
3 Months - 5 Months	0	0	0	0	1	1	3	2	5	5	10	19	4	3	5	4	9	
6 Months - 8 Months	0	1	1	1	-	1	7	5	12	12	20	32	9	5	10	9	19	
9 Months - 11 Months	0	0	0	2	2	4	1	1	2	2	4	5	5	4	5	5	10	
TOTAL : 1 - 11 Months	0	2	2	3	5	8	14	9	23	23	25	49	24	16	25	24	49	
GRAND TOTAL	11	7	18	9	11	20	19	15	34	47	63	119	56	47	63	56	119	

YRS	0 - 5Y	5Y - 1Y	1Y - 5Y	5Y - 10Y	10Y - 15Y	15Y - 20Y	20Y - 25Y	25Y - 30Y	30Y - 35Y	35Y - 40Y	40Y - 45Y	45Y - 50Y	50Y - 55Y	55Y - 60Y	60Y - 65Y	65Y - 70Y	70Y - 75Y	75Y - 80Y	80Y - 85Y	85Y - 90Y	90Y - 95Y	95Y - 100Y	
1972																							
1971																							
1970																							

(CODE FOR V. 11 - V. 10)

STATISTICS OF CANADA

DISEASES OF THE CIRCULATORY SYSTEM

(CODE NOS. A.79 - 86)

RESIDENTS : DEATHS IN AGE GROUPS

	WHITE			COLOURED			BANTU			ASIAN			ALL RACES		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
Under 25 Years	1	0	1				0	1	1	1	1	2	2	2	4
25 - 34 Years	2	3	5				0	1	1	2	5	8	11	6	17
35 - 44 Years	4	1	5	1	1	2	1	1	1	2	9	16	21	11	32
45 - 54 Years	10	3	13	1	0	1	1	1	2	3	13	20	37	19	56
55 - 64 Years	23	8	31	0	2	2	1	2	3	9	43	72	147	136	283
65 - 74 Years	30	30	60	4	2	6	0	2	2	9	43	72	147	136	283
75 Years and Over	20	46	66	1	3	4	4	0	4	5	30	51	147	136	283
	90	91	181	7	8	15	7	8	15	43	147	136	283	283	283

PERCENTAGE (CLASS IN NUMBER OF AGE GROUP)

(NOTE: V'S - P'S)

DEATHS PER 100,000 POPULATION

DEATHS DUE TO RESPIRATORY INFECTIONS
(CODE A.87 - A.97)
RESIDENTS (GIVEN IN MONTHS OF THE YEAR)

	WHITE			COLOURED			BANTU			ASIAN			ALL RACES			
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P	
January, 1972	2	1	3				1	0	1					3	1	4
February	1	2	3	1	0	1	1	2	3	2	1	3	5	5	10	
March	4	0	4	3	1	4	0	1	1	0	1	1	7	3	10	
April	0	1	1							1	1	2	1	2	3	
May	4	4	8	0	1	1							4	5	9	
June	2	0	2	0	1	1	3	1	4	3	3	6	8	5	13	
July	6	5	11	1	0	1	1	1	2	4	3	7	12	9	21	
August	3	6	9	1	0	1	2	2	4	1	1	2	7	9	16	
September	7	1	8	0	1	1	3	0	3	1	3	4	11	5	16	
October	2	3	5	1	0	1	4	0	4				7	3	10	
November	1	2	3				1	1	2	1	0	1	3	3	6	
December	1	2	3	2	1	3				2	1	3	5	4	9	
TOTAL	33	27	60	9	5	14	16	8	24	15	14	29	73	54	127	

RESIDENTS : DEATHS IN VFR 080056
(CODE A.87 - A.97)
DEATHS DUE TO RESPIRATORY INFECTIONS

DEATHS DUE TO RESPIRATORY INFECTIONS
(CODE A87 - A97)

RESIDENTS (GIVEN IN AGE GROUPS)

	WHITE			COLOURED			BANITU			ASIAN			ALL RACES		
	M	F	P	M	F	P	M	F	P	M	F	P	M	F	P
	UNDER 1 YEAR	-	2	2	1	4	5	3	3	6	4	4	8	8	13
1 - 2 YEARS	1	1	2	3	-	3	4	1	5	2	1	3	10	3	13
3 - 4 YEARS	-	1	1	-	-	-	-	1	1	1	2	3	1	4	5
5 - 14 YEARS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 - 24 YEARS	-	-	-	-	-	-	-	1	1	-	1	1	-	2	2
25 - 34 YEARS	-	-	-	-	-	-	-	1	1	1	1	2	1	2	3
35 - 44 YEARS	-	-	-	2	1	3	3	-	3	-	-	-	5	1	6
TOTAL: 0-44 YEARS	1	4	5	6	5	11	10	7	17	8	9	17	25	25	50
45 - 54 YEARS	2	1	3	1	-	1	2	-	2	1	-	1	6	1	7
55 - 64 YEARS	7	4	11	1	-	1	3	-	3	3	-	3	14	4	18
65 - 74 YEARS	11	3	14	1	-	1	1	-	1	2	3	5	15	6	21
75 YEARS AND OVER	12	15	27	-	-	-	-	1	1	1	2	3	13	31	30
TOTAL	33	27	60	9	5	14	16	8	24	15	14	29	73	54	127

RESULTS OF FOLLOW-UP OF SUSPECTED CASES DETECTED BY MINIATURE X-RAY
(excluding Pass Office and Private Doctors Cases)

	EUROPEAN				COLOURED				BANTU				ASIAN				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	2	-	-	3	-	-	-	33	14	6	9	17	4	1	1	55	20	7	10
B. P.T.B. Inactive	1	3	-	3	2	3	-	70	12	7	-	-	18	4	-	91	22	7	-	
C. Other Lung Conditions	3	2	-	4	2	-	-	-	-	-	-	-	-	-	-	7	4	-	-	
D. Cardiac Conditions	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	-	-	-	
E. Nil Abnormal	14	8	1	3	2	2	-	32	8	2	2	68	18	2	1	117	36	5	4	
F. Other Conditions noted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
G. Did not re-attend	-	-	-	1	-	-	-	16	5	3	2	12	4	-	-	28	9	3	3	
TOTAL	20	15	1	12	7	1	151	39	18	13	117	30	3	2	300	91	22	17		

Number of Suspects	P.T.B. (Active or Inactive)	=	212	(49,3%)
"	did not re-attend	=	43	(10,0%)
"	Nil abnormal	=	162	(37,6%)
"	Other conditions	=	13	(3,1%)
			<u>430</u>	

PASS OFFICE ANALYSIS.

	Borough		O/Borough		Total
	Male	Female	Male	Female	
Total X-Rayed	3 436	1 699	12 353	2 779	20 267
Suspect P.T.B.	226 (6,6%)	65 (3,8%)	699 (5,7%)	126 (4,7%)	1 116 (5,5%)

FOLLOW-UP RESULTS.

	Borough		O/Borough		Total
	Male	Female	Male	Female	
1a. P.T.B. Active	32	13	45	15	105
1b. P.T.B. Inactive	94	28	517	71	710
2. Other Lung Conditions	-	-	-	-	-
3. Cardiac Conditions	-	-	-	-	-
4. Spinal or Thoracic Cage	-	-	-	-	-
5. N.A.D.	86	22	107	36	251
6. Other Conditions noted	-	-	-	-	-
7. Did not re-attend	14	2	30	4	50
TOTALS	226	65	699	126	1 116

VENEREAL DISEASE
CLINIC ATTENDANCES (NEW CASES) FOR THE YEAR

	White						Coloured						Bantu						Asian						All Races																																						
	Bor.			O/B.			Bor.			O/B.			Bor.			O/B.			Bor.			O/B.			Bor.			O/B.			Bor.			O/B.																													
	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M																														
	2			1			9			2			1			1			129			13			66			33			3			3			1			143			15			67			35			260											
1. Seroneg. Primary Syphilis	2			1			9			2			1			1			129			13			66			33			3			3			1			143			15			67			35			260											
2. Seropos. Primary Syphilis	5			2			1			1			52			18			56			67			3			1			59			22			58			67			206																				
3. Secondary Syphilis	5			3			9			2			160			29			156			110			3			2			171			40			156			110			477																				
4. Tertiary Syphilis (Clinical)																1																		1									1																				
5. Endosyphilis (Serological)	2			1			1			2			1			5			1			14			5			1			2			13			1			17			33																				
6. Neurosyphilis																																																															
7. Cong. Syphilis under 1 Year													2			3			1			1												2			3			1			6																				
8. Cong. Syphilis over 1 Year																						1															1						1																				
9. Gonorrhoea	1			4			8			4			4			3			425			48			210			91			9			1			442			53			216			98			809														
10. G.C. Vulvo-Vaginitis													1									1									1						1						2																				
11. G.C. Ophthalmia													4									4												4									8																				
12. Ulcus Molle													1			2						2									1			2						3																							
13. Lymph. Venereum													7									3									7						3						10																				
14. Gran. Venereum													43			8			46			11			1			1			45			9			46			11			111																				
15. Venereal Warts	1																																																														
16. Phagedaena																																																															
17. Suspected V.D.	5			1			5			1			182			190			48			6			4			198			21			195			49			463																							
18. Leprosy MIXED INFECTIONS													72			14			26												74			15			77			27			193																				
TOTAL	18			4			1			6			30			18			11			5			1079			155			812			402			22			11			6			3			1149			188			830			416			2583		

V.D. CLINIC DEFAULTER INVESTIGATIONS

	WHITE		COLOURED		BANTU		ASIAN		
	M	F	M	F	M	F	M	F	
UNABLE TO TRACE	-	-	2	2	40	27	3	2	
RETURNED TO CLINIC	-	2	1	6	369	100	3	3	
DID NOT RETURN	-	-	1	4	1	7	-	1	
TOTAL OF DEFAULTERS	-	2	4	12	410	134	6	6	
NO. OF VISITS	-	2	5	14	473	148	8	12	
<u>RETURNED TO CLINIC</u>									
A. <u>At Request of Health Visitor or Bantu Health Assistant</u>									
1) Following personal visits	21	-	1	-	3	352	115	-	6
2) Following letters	22	-	-	-	3	-	-	-	3
3) Following telephone calls	23	-	-	-	-	-	-	-	-
4) Following accidental encounter	24	-	-	-	-	12	2	-	-
<u>REASONS FOR DEFAULTING</u>									
No reason	41	-	-	1	-	195	68	2	1
Unable to pay transport	42	-	-	-	1	-	-	-	-
Left City	43	-	1	2	2	17	20	-	-
Hours of work prevent attend.	44	-	-	-	-	12	-	-	-
<u>Clinic Hours unsuitable</u>	45	-	-	-	-	-	-	-	-
Prefer morning clinic	A	-	-	-	-	-	-	-	-
Prefer afternoon clinic	B	-	-	-	-	-	-	-	-
Prefer evening clinic	C	-	-	-	-	-	-	-	-
Prefer Saturday morning clinic	D	-	-	-	-	-	-	-	-
Thought him/herself cured	46	-	1	-	3	268	70	2	2
Races not separated enough at clinic	47	-	-	-	-	-	-	-	-
Clinic not private enough	48	-	-	-	-	-	-	-	-
Reaction to Injections	49	-	-	-	1	-	-	-	-
Illness	50	-	1	-	1	10	3	-	2
Other reasons	51	-	-	-	1	24	11	-	1
No. of Cases on Clinic Register	10	8	67	31	3215	1080	65	46	

VENEREAL DISEASE HOME VISITS (Child Welfare)

	WHITE		COLOURED		BANTU		ASIAN		TOTAL		Persons
	M	F	M	F	M	F	M	F	M	F	
1972	2	2	8	5	843	404	6	6	859	416	1275

VENEREAL DISEASE Continued

ANTE-NATAL TREATMENT OF SYPHILIS AT V.D. CLINICS
YEAR ENDING 31ST DECEMBER, 1972

	P R E G N A N C Y																
	1 - 3 Months				4 - 6 Months				7 - 9 Months								
	White		Bantu		Asian		White		Col.		Bantu		Asian				
	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			2	2	2	2	1	1	2	7	11	1	1	2	13	29	2
No. of Positive or Doubtful Reactors			2	1	2	1	1	1	1	3	6	1	1		12	24	2
No. of those who had previously received treatment						1				2	2		1		5	4	1
No. undergoing a First Course of treatment during pregnancy			2	2	1		1	1	1	5	13	1	1	1	12	39	1
No. undergoing a 2nd or 3rd Course of treatment during Pregnancy					1	1			1	2	2				8	3	1
TOTAL			6	5	6	4	3	3	4	19	34	3	4	4	50	99	7

ADMISSIONS TO NON-EUROPEAN INFECTIOUS
DISEASES HOSPITAL

	Borough Cases				Out-of-Borough Cases				Total Cases Borough and Out-of-Borough
	C	B	A	Total	C	B	A	Total	
Kwashiorkor	-	-	-	-	-	1	-	1	1
Diphtheria	-	2	-	2	-	89	-	89	91
Measles with Complications	3	2	-	5	-	14	-	14	19
Whooping Cough with Complications	-	-	-	-	-	2	-	2	2
Meningitis and Encephalitis	-	-	-	-	-	4	-	4	4
Pulmonary Tuberculosis	5	45	28	78	1	102	10	113	191
Poliomyelitis	-	2	-	2	2	52	-	54	56
TOTAL	8	51	28	87	3	264	10	277	364

White cases are admitted and treated in a Special Block at Grey's Hospital.

INFANT WELFARE1. INFANT CLINICS

		White	Coloured	Bantu	Asian
<u>NEW CASES</u> :	Under 1 Year	1046	304	911	1365
	Over 1 Year	16	3	24	27
TOTAL :		1062	307	935	1392
<u>ATTENDANCES</u>	Under 1 Year	10367	3194	11691	17857
	Over 1 Year	817	1006	5889	3004
TOTAL		11184	4200	17580	20861

2. HOME VISITS

	White	Coloured	Bantu	Asian	Total
Ante-Natal	6	14	51	400	471
First Visits - (Notified Births)	1440	539	243	955	3177
Re-Visits - Under 1 year	784	613	1310	2120	4827
Re-Visits - Over 1 year	859	1618	1682	4849	9008
Infectious Disease (Non-T.B.)	42	1	17	32	92
Protected Infants	6	1	54	34	95
Pediculosis & Scabies Visits	4	226	1	66	297
Infant Mortality Visits	14	6	8	16	44
Other Home Visits	306	271	306	250	1133
TOTAL	3461	3289	3672	8722	19144

3. MILK DISTRIBUTED (KGS.) :

	White	Coloured	Bantu	Asian	Total
Nespray	190,96	190,06	966,6	996,54	2267,76
Milk Powder	74,39	191,42	3729,44	1808,01	5804,16

FOODSTUFFS# SAMPLES TAKEN AND SUBMITTED FOR ANALYSIS1. MILK AND CREAM(a) Bacteriological Examination - Plate Counts:

Samples with less than 50,000 bacteria per c.c.	:	120	(inc. 12 Pasteurised)
Samples with between 50,000 and 200,000 bacteria per c.c.	:	45	(inc. 2 Pasteurised)
Samples with more than 200,000 bacteria per c.c.	:	26	(inc. 2 Pasteurised)
		<hr/>	
		201	(inc. 16 Pasteurised)
		<hr/>	

(b) Bacteriological Examination - Faecal B. Coli:

Samples with Faecal B. Coli absent	:	238
Samples with Faecal B. Coli present 1/10 c.c.	:	5
Samples with Faecal B. Coli present 1/100 c.c.	:	1
Samples with Faecal B. Coli present in less than 1/100 c.c.	:	-
		<hr/>
		244
		<hr/>

(c) Chemical Examination (By Government Analyst):

Samples complying with Act 13/1929	:	50
Samples with Solids-not-Fat over 8% and under 8.5%	:	1
Samples with Solids-not-Fat below 8%	:	-
Samples with Butter Fat under 3%	:	-
		<hr/>
		51
		<hr/>

(d) Phosphatase Testing of Pasteurised Milk:

Samples sufficiently heat treated	:	542
Samples not sufficiently heat treated	:	6

		<hr/>
TOTAL		548
		<hr/>

FOODSTUFFS CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION

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

<u>FRUIT, FRESH:</u>	Apples, Bananas, Grape Fruit, Grapes, Lemons, Oranges, Peaches, Spanspek, Tomatoes	- 1 453	bags, pockets, trays, boxes & portions.
<u>VEGETABLES, FRESH:</u>	Beans, Brussel Sprouts, Carrots, Cabbages, Peas, Potatoes, Lettuce, Peppers, Radishes, Squash	- 1 200	bags, pockets, trays & boxes.
<u>TINNED, JARRED AND BOTTLED FOODS:</u>	Fruit, Vegetables, Meat, Fish, Dairy Products, Pets Food, Pastes, Flavouring and condiments	- 7 461	containers
<u>PRESERVED, PREPARED AND FROZEN FOODS:</u>	Bacon, Cold Meats, Chicken, Fish	- 1 058	units.
<u>PACKAGED FOODS:</u>	Nuts, Dried Fruit, Icing Sugar, Jellies, Milk Powder, Spaghetti, Soup, Sweets, Pudding	- 488	Packages.
<u>DAIRY PRODUCTS:</u>	Butter, Ice Cream, Yoghurt, Cheese or portions	- 1 069	Containers
<u>MISCELLANEOUS FOODS:</u>	Including yeast, bread and dessicated coconut	- 454	Units or portions.

ABATTOIR (Period 1st January to 31st July).

1. ANIMALS SLAUGHTERED:

Year	Cattle	Calves	Sheep	Goats	Pigs	Total	Estimated Total Weight of Condemnations
1968	24 360	4 115	126 472	200	11 783	166 930	343 939 kgs.
1969	24 927	3 917	147 330	553	12 378	189 105	447 396 kgs.
1970	27 478	2 574	166 246	440	14 142	210 880	436 554 kgs.
1971	29 333	2 685	164 895	659	13 096	210 668	491 282 kgs.
1972	18 033	1 447	66 998	197	7 167	93 842	250 447 kgs.

2. RE-EXAMINATION OF MEAT INTRODUCED INTO CITY FROM OTHER CENTRES:

	1968	1969	1970	1971	1972
Beef Carcasses	1 394	579	332	552	271
Beef Quarters	-	-	30	356	-
Sheep, Lamb & Goat Carcasses	3 190	787	1 297	1 561	2 299
Pig Carcasses	260	6	23	44	126
	<u>4 844</u>	<u>1 372</u>	<u>1 682</u>	<u>2 513</u>	<u>2 696</u>
Total Annual Revenue	R763,16	R253,00	R234,00	R593,61	R655,08

3. SUMMARY OF MEAT CONDEMNED:

	CARCASES	ESTIMATED WEIGHT
<u>CATTLE:</u> Complete Carcasses	253	50 242 kg. (Actual)
Portions of Carcasses, Offal, etc.		115 230 kg. (Estim.)
<u>CALVES:</u> Complete Carcasses	164	3 664 kg. (Actual)
Portions of Carcasses, Offal, etc.		2 650 kg. (Estim.)
<u>SHEEP, LAMBS & GOATS:</u> Complete Carcasses .	276	3 648 kg. (Actual)
Portions, Offal etc.		67 890 kg. (Estim.)
<u>PIGS:</u> Complete Carcasses	75	3 731 kg. (Actual)
Portions of Carcasses, Offal, etc.		3 392 kg. (Estim.)
		<u>250 447 kgs.</u>

4. BY-PRODUCTS PLANT:

Condemned Material - Carcasses, Portions & Offal:	250 447 kg.
General Abattoir Scraps, etc. :	110 403 kg.
Scraps from Offal Contractor	30 693 kg.
TOTAL :	<u>391 543 kgs.</u>

BY-PRODUCTS RECOVERED:

	<u>INCOME FROM SALES</u>
98 150 Kgs. Carcase Meal (25,1% return)	R 9 129,44
53 824 Kgs. Tallow (13,7% return)	R 6 829,19
47 200 Kgs. Blood Meal (15,6% return)	R 3 922,05
	<u>R19 880,68</u>

ABATTOIR Continued

5. CARCASES TOTALLY CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION

<u>DISEASE OR CONDITION</u>	<u>CATTLE</u>	<u>CALVES</u>	<u>SHEEP</u>	<u>GOATS</u>	<u>PIGS</u>
Abscessation (Dermal-Generalised)	-	-	-	-	1
Abscessation & Necrosis (Muscular)	-	-	-	-	1
Anaemia (Acute)	1	3	4	-	-
Black-Jack Penetration	-	-	21	-	-
Bruising	39	0	37	-	1
Bruising & Abscessation	2	-	-	-	1
Bruising & Emaciation	4	-	1	-	-
Bruising & Fever	14	-	-	-	-
Bruising & Fractures	-	-	-	-	1
Bruising & Icterus	3	-	1	-	-
Bruising & Lacerations	-	-	-	-	3
Bruising & Mastitis	2	-	-	-	-
Bruising & Necrosis (Muscular)	1	-	-	-	-
Bruising & Peritonitis	2	-	-	-	-
Bruising & Peritonitis (Septic)	2	-	-	-	-
Bruising & Pleurisy	1	-	-	-	-
Caseous Lymphadenitis	-	-	23	-	-
Cysticercus Bovis	55	56	-	-	-
C. Bovis & Abscessation	1	-	-	-	-
C. Bovis & Anaemia	1	-	-	-	-
C. Bovis & Bruising	11	-	-	-	-
C. Bovis & Emaciation	2	2	-	-	-
C. Bovis & Oedema	1	-	-	-	-
C. Bovis & Pneumonia	1	8	-	-	-
B. Bovis & Pyaemia	2	-	-	-	-
C. Bovis & Sarcosporidiosis	1	-	-	-	-
Cysticercus Cellulosae	-	-	-	-	44
C. Cellulosae & Sarcosporidiosis	-	-	-	-	1
Emaciation	13	11	47	-	-
Emaciation & Mastitis	2	-	-	-	-
Emaciation & Peritonitis	1	-	-	-	-
Emaciation & Pneumonia	-	1	-	-	-
Enteritis (Acute)	-	1	-	-	-
Fever (Undefined)	1	2	14	-	-
Fever & Abscessation	-	-	-	-	1
Fever & Fractures	1	-	-	-	-
Gangrene	2	1	2	-	3
Haemorrhages (Intramuscular)	-	-	51	-	1
Icterus	10	-	5	-	-
Immaturity	-	21	1	-	-
Mastitis (Septic)	2	-	-	-	-
Mastitis & Peritonitis	1	-	-	-	-
Metritis (Septic)	-	-	2	-	-
Moribund	-	-	28	-	-
Nephritis (Acute)	-	-	-	1	-
Nephritis (Septic)	-	-	1	-	-
Neuro Fibroma & Peritonitis	1	-	-	-	-
Oedema	4	1	7	-	-
Oedema & Nephritis (Acute)	1	-	-	-	-
Pericarditis (Septic)	4	-	1	-	-
Pericarditis (Gangrenous)	1	-	-	-	-
Peritonitis (Acute)	1	-	-	-	-
Peritonitis (Gangrenous)	1	-	-	-	-
Peritonitis (Septic)	2	1	1	-	-
Peritonitis (Acute) & Pleurisy	1	-	-	-	-
Total carried forward	195	108	247	1	58

ABATTOIR Continued.

5. CARCASES TOTALLY CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION Continued.

<u>DISEASE OR CONDITION</u>	<u>CATTLE</u>	<u>CALVES</u>	<u>SHEEP</u>	<u>GOATS</u>	<u>PIGS</u>
Total Carried Forward	195	108	247	1	58
Pleurisy (Gangrenous)	-	-	-	-	1
Pleurisy (Septic)	-	1	2	-	-
Pleurisy & Fever	2	-	-	-	-
Pleurisy & Mastitis	1	-	-	-	-
Pneumonia	-	6	-	-	-
Pneumonia (Gangrenous)	1	-	-	-	-
Pneumonia (Septic)	7	28	9	5	1
Pneumonia (Septic) & Abscessation	-	-	-	-	3
Pneumonia (Septic) & C. Bovis	-	1	-	-	-
Pyæmia	10	-	1	-	1
Pyæmia (Umbilical)	-	6	-	-	-
Sarcosporidiosis	5	-	-	-	3
Sarcoma	1	-	-	-	-
Scirrhus Cord & Uraemia	-	-	-	-	3
Septicaemia	8	14	8	-	2
Tuberculosis	14	-	-	-	2
Tuberculosis & Bruising	1	-	-	-	-
Tuberculosis & C. Bovis	1	-	-	-	-
Tuberculosis & Emaciation	4	-	-	-	-
Tuberculosis & Peritonitis	1	-	-	-	-
Toxaemia	3	-	1	-	-
Uraemia	-	-	1	-	-
Uraemia & Nephritis (Acute)	1	-	1	-	-
Urticaria & Necrosis (Muscular)	-	-	-	-	1
TOTAL	255	164	270	6	75

ABATTOIR Continued

6. OFFAL AND CONDEMNED PORTIONS AS UNFIT FOR HUMAN CONSUMPTION.

	CATTLE	CALVES	SHEEP, LA-MBS, GOATS	PIGS
Heads	1212	-	-	-
Head with Tongue	-	296	281	12
Tongues	1116	-	-	-
Livers	4734	10	14245	289
Lungs (Pair)	1813	-	-	-
Lungs with Heart	-	38	-	268
Hearts	383	-	-	-
Plucks (Livers, Lungs & Hearts)	-	315	9206	681
Stomachs (Rumen)	269	295	291	107
Stomachs (Reticulum, etc.)	1085	295	291	-
Intestines	1092	296	26684	161
Tails	276	-	-	-
Spleens	1297	295	9206	107
Kidneys	2307	260	560	110
Portions (Hoofs, Fat, Skirts, etc.)	6990 Kg.	335 Kg.	251 Kg.	-
Loose Bruising, Abscessations, etc.	31218 Kg.	91 Kg.	1820 Kg.	844 Kg.

7. TABLES OF CERTAIN INFECTION AND INFESTATIONS.

A. CYSTICERCUS BOVIS (Beef Measles)

In Cattle	1969	1970	1971	1972
No. Slaughtered	24927	27478	29333	18033
Total Infested	1704 6,84%	1347 4,9%	1581 5,39%	888 4,92%
Total Condemned	277 1,12%	122 0,45%	144 0,49%	76 0,42%
Detained for Freezing	1427 5,72%	1225 4,45%	1437 4,90%	812 4,5%

In Calves

No. Slaughtered	3917	2574	2685	1447
Total Infested	214 5,46%	342 13,29%	379 14,12%	148 13,68%
Total Condemned	63 1,61%	83 3,22%	94 3,50%	67 4,63%
Detained for Freezing	151 3,85%	259 10,07%	285 10,61%	131 9,05%

B. CYSTICERCUS CELLULOSAE (Pig Measles)

No. Slaughtered	12378	14142	13096	7167
Total Infested	76 0,61%	78 0,55%	87 0,66%	59 0,79%
Total Condemned	61 0,49%	57 0,40%	53 0,40%	45 0,63%
Detained for Freezing	15 0,12%	21 0,15%	34 0,26%	12 0,16%

C. TUBERCULOSIS

In Cattle

No. Slaughtered	24927	27478	29333	18033
Total Infected	92 0,37%	100 0,36%	104 0,35%	43 0,24%
Total Condemned	37 0,15%	58 0,21%	79 0,27%	21 0,12%
Localised Infections	55 0,22%	42 0,15%	25 0,08%	22 0,03%

In Pigs

No. Slaughtered	12378	14142	13096	7167
Total Infected	35 0,28%	33 0,23%	13 0,10%	4 0,06%
Total Condemned	2 0,01%	3 0,02%	2 0,02%	2 0,03%
Localised Infections	33 0,27%	30 0,21%	11 0,08%	2 0,03%

In Calves - No cases of Tuberculosis in Calves were encountered during the four year period under review.

D. NOTIFIABLE DISEASES: The only notifiable disease encountered during the year was Tuberculosis and a monthly schedule, indicating the locality of the infection, severity, and the owners name and address, etc. was submitted to the State Veterinary Department together with a similar schedule in regard to infestation by C. Bovis. Material for the Veterinary Department's Trichinosis survey has also been collected on a daily basis.

LICENCE APPLICATIONS

(1) Applications Dealt with under Licences (Control) and Municipal Licence 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	263	253	317	74	292	552	1499	269	58	241	357	46	250	194	4	463
Applications Approved	198	152	270	49	201	491	997	170	49	190	298	42	198	138	4	387
Applications Approved Subject to Requirements	62	99	47	24	89	57	498	91	9	49	51	4	49	54	0	72
Applications Disapproved	1	2	0	1	2	4	4	8	0	2	6	0	2	1	0	3
Applications Withdrawn	0	0	0	0	0	0	0	0	0	0	2	0	1	1	0	1

Key to Table:

1. Apothecary, Patent & Prop. Medicines.
2. Boarding Houses, Flats.
3. Repair Shop, Tailor, Fumigator.
4. Hairdresser, Dressmaker.
5. Refreshment Room, Entertainment House, Eating House.
6. Fresh Produce, Mineral Water Dealer.
7. General Dealer.
8. Pedlar, Hawker.
9. Laundry, Dry Cleaner, Receiving Depot.
10. Manufacturer.
11. Building Contractor, Contractor, Speculator.
12. Butcher.
13. Milk Purveyor.
14. Garage.
15. Undertaker.
16. Warehouse, Storage of Mineral Oil & Spirits.

(2) Applications Dealt with under Urban Areas Act:

- Applications Received 36
- Applications Returned "Not in Order" 4
- Applications Returned with Requirements .. 2
- Applications Approved 29
- Applications Withdrawn 1

S A N I T A T I O N

Total of Inspections (General) carried out	41 346
Total of Rodent Inspections	3 691
Total of Notices and Letters served re Contravention of By-Laws ...	5 964

Inspections (General) Given in Detail

1. Public Markets	459
2. Butcher's Shops	303
3. Dealers and General Dealers (Food)	1 465
4. Dealers and General Dealers (No Food)	814
5. Fish and Poultry Shops	22
6. Food Sampling	1 021
7. Condemnation of Foodstuffs	81
8. Bakehouses	57
9. Milkshops (Purveyors of Milk)	253
10. Ice Cream (Distributors and Manufacturers of)	12
11. Tea Shops, Cafes, Restaurants and Eating Houses	1 314
12. Residential Hotels, Boarding Houses	212
13. Aerated Water Manufacturers	10
14. Other places where food is manufactured	16
15. Hawker's Premises	298
16. Hawker's Carts	103
17. Butcher's Carts and Carriers	11
18. Milk Delivery Carts and Ice Cream Carts	68
19. Milk Depot and Pasteurising Plants	239
20. Baker's Carts	63
21. Theatres and Cinemas	27
22. Smoke Nuisances	1 462
23. Common Lodging Houses	89
24. Barracks	9
25. Bantu Quarters	127
26a. Structural Defects in Premises	736
26b. Defective Washing Areas	87
26c. Defective Sanitary Fittings	101
26d. Undrained Premises	117
26e. Defective and Waste Water Drains	232
26f. Overcrowded Premises	89
27. Dwelling Houses and Flats	6 690
28. Swimming Bath Inspections	93
29. Hairdressers	24
Carried Forward	<u>16 704</u>

<u>SANITATION</u>	Continued	Brought Forward	16 704
30.	Laundries		82
31.	Schools		58
32.	Factories and Workshops		817
33.	Builder's Yards		9
34.	Depots and Warehouses		43
35.	Wood and Coal Yards		2
36.	Condemnation of Premises		283
37.	Vacant Lands		1 898
38.	Piggeries		5
39.	Horse Stables		23
40.	Cowkeepers Premises		275
41.	Dairy Stables and Dairies		566
42.	Hide and Skin Merchants		7
43.	Poultry Keepers and Pigeon Lofts		485
44.	Visits in connection with Infectious Disease		135
45.	Malaria and Mosquito Inspections, etc.		773
46.	Malaria - Permanent Works, Drains, Tree Planting, etc.		98
47.	Public Sanitary Conveniences		47
48.	Sanitary Conveniences		654
49.	Septic Tanks, French Drains, etc.		18
50.	Pail Privies		107
51.	Pit Privies		56
52.	Refuse and Refuse Bins		3 323
53.	Refuse Tips		5
54.	Other Visits		1 580
55.	Fly Nuisances		291
56.	Visits in connection with Fumigation		2
57.	Disinfectants		2
58.	Attendances in Court		87
59.	Rodent Inspections by Rodent Inspector		2 975
60.	Other Rodent Inspections by Health Inspectors		716
61.	Deratisation Certificates		5
62.	Interviews and Complaints		3 416
<u>REPORTS FOR TRANSMISSION TO OTHER MUNICIPAL DEPARTMENTS:</u>			
<u>(1) CITY ENGINEER'S DEPARTMENT</u>			
63.	Blocked Sewers, etc.		70
64.	Street Drains		35
65.	Defective Water Fittings		29
Carried Forward			35 681

SANITATION Continued.

Brought Forward 35 681

66.	Defective Surface Waste Water Drains	51
67.	Other Defects	10
68.	Unauthorised Structures	220
69.	Sites, etc. re plans	2 116
70.	Water Sampling	32

(2) MUNICIPAL DEPARTMENT OF BANTU ADMINISTRATION

71.	Licensing and other Inspections of Premises under Urban Areas Act ...	53
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(3) LICENSING DEPARTMENT

72.	Inspections of Premises re Licence Applications	3 071
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(4) GENERAL

73.	Other transporation trips	112
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TOTAL 41 346

CITY OF PIETERMARITZBURG.

FAMILY PLANNING CLINICS.

Details for period April 1st to December 31st 1972. It should be noted that prior to 1st April, 1972 Family Planning Clinics were not a Municipal responsibility.

	White	Col.	Bantu	Asian
A. Number of <u>new patients</u> (i.e. those attending for first time) who presented themselves during the abovementioned period	155	143	1167	551
B. <u>Total number of Attendances</u>	1084	1011	10517	4204
C. <u>TABLETS</u> Number of individual patients to whom oral contraceptives were issued during this period	1034	996	9901	4124
D. <u>INTRA-UTERINE DEVICES</u>				
1. Number of intra-uterine devices <u>inserted</u> during this period.....	10	6	68	22
2. Number <u>removed</u> during this period on account of abnormal symptoms or planned pregnancy	4	3	38	24
E. <u>OTHER CONTRACEPTIVES</u> Number of patients to whom other contraceptives were issued				
(i) Caps				1
(ii) Condoms				
(iii) Cream	66	26	-	139
(iv) Depo-provera	8	9	5	26

-2-

Ref.	Causes of Death	WHITE				COLOURED				BANTU				ASIAN				TOTALS	
		Tot.		1971		Tot.		1971		Tot.		1971		Tot.		1971		Tot.	1971
		M	F	M	F	M	F	M	F	M	F	M	F	M	F				
A127	Spina bifida and meningocele	1	1														1	1	
A128	Cong. malformations of circulatory system			1	2	3	2										2	5	
A129	All other congenital malformations	1	1	3			1	1									2	3	
A130	Birth injuries																1	2	
A131	Postnatal asphyxia & atelectasis	1	1	1	1	2	2			1	2	3					6	4	
A132	Infections of the newborn				1	1	2					1					3	2	
A133	Haemolytic disease of the newborn												1					1	
A134	All other defined diseases of early infancy	1	1														4		
A135	Ill-defined diseases peculiar to early infancy, & immaturity	7	4	8	3	4	1	4	5	9	21	24					45	38	
A137	Unqualified ill-defined & unknown causes of morbidity & mortality																	7	
AE138	Motor vehicle accidents			1														1	
TOTALS		11	7	18	9	20	8	19	15	34	47	50	63	56	119	106			

REVISIONS TO THE 1971 MORTALITY TABLES
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Ref.	Cause of Death	WHITE				COLOURED				BANTU				ASIAN				TOTALS		
		Tot.		1971		Tot.		1971		Tot.		1971		Tot.		1971		Tot.	1971	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
A53	Malignant neoplasm of other & unspecified parts of uterus	4	4															6	4	
A54	Malignant neoplasm of prostate																		1	5
A55	Malignant neoplasm of skin	1	2															1	2	
A56	Malignant neoplasm of bone & connective tissue																		1	1
A57	Malignant neoplasm of all other & unspecified sites	12	19	25	1													16	30	
A58	Leukaemia & aleukaemia	2	4	1														2	1	
A59	Lymphosarcoma & other neoplasms of lymphatic & haematopoietic syst.	2	3	2														3	2	
A60	Benign neoplasms and neoplasms of unspecified nature	1	4	2															2	5
A63	Diabetes mellitus																		2	2
A64	Avitaminosis & other deficiency states																		23	5
A65	Anaemias	1	1															5	3	
A66	Allergic disorders; all other endocrine, metabolic & blood dis.																		8	2
A67	Psychoses	1	3	6														6	15	
A70	Vascular lesions affecting central nervous system	2	3	2														4	10	
A71	Non-meningococcal meningitis	2	1															1	3	
A73	Epilepsy	2	56	52														47	86	
A78	All other diseases of nervous system & sense organs	1	1															2	2	
A80	Chronic rheumatic heart disease	1	5	3														1	8	

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-4-

Ref.	Cause of Death	WHITE				COLOURED				BANTU				ASIAN				TOTALS	
		Tot.		1971		Tot.		1971		Tot.		1971		Tot.		1971		Tot.	1971
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
AL10	Infections of kidney			1											1			1	2
AL11	Calculi of urinary system			2												1			3
AL14	Other diseases of genito-urinary sys.			1														2	1
AL19	Abortion with sepsis	1														1			1
AL26	All other diseases of skin & musculoskeletal system		1															1	1
AL27	Spina bifida and meningocele		1															1	1
AL28	Cong. malformations of circulatory syst.				2													2	2
AL29	All other congenital malformations	1		3														2	3
AL30	Birth injuries																	1	1
AL31	Postnatal asphyxia & atelectasis	1		1														2	2
AL32	Infections of newborn																	1	1
AL34	All other defined diseases of early infancy	1		1														2	2
AL35	Ill-defined diseases peculiar to early infancy, & immaturity																	1	3
AL36	unqualified Senility without mention of psychosis	7	4	9	3	1	2	5	5	10	5	13	8	21	24	19	47	39	6
AL37	Ill-defined & unknown causes of morbidity and mortality	5	6	3	3	5	2	3	3	17	1	2	7	2	9	7	16	6	6
AE138	Motor vehicle accdts.		3	13														14	35
AE139	Other transport acts.	4	2	12														2	17
AE140	Accidental poisoning			3														1	3
AE141	Accidental falls	1		2														1	2
AE142	Accident caused by machinery		1	1														1	2
AE143	Accident caused by fire & explosion combustible material	1																1	1

5...7

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Ref.	Cause of Death	WHITE				COLOURED				BANTU				ASIAN				TOTALS	
		Tot.		1971		Tot.		1971		Tot.		1971		Tot.		1971		Tot.	1971
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
AE144	Accident caused by hot substance, corrosive liquid, steam and radiation					1													
AE145	Accident caused by firearm									1									1
AE146	Accidental drowning and submersion								1										1
AE147	All other accidental causes	1								1									1
AE148	Suicide and self-inflicted injury		2																
AE149	Homicide and injury purposely inflicted by other persons (not in war)	2		2	1					1									5
	Stillbirths	2	4	4	2	6				10	20								2
	TOTALS	240	234	474	487	76	76	135	85	133	107	240	234	487	38	925	868		

No.	Name of Work	VILLAGE			TOWNSHIP			COUNTY			STATE		
		M	F	T	M	F	T	M	F	T	M	F	T
4170	...	1											
4171	...	1											
4172	...	1											
4173	...	1											
4174	...	1											
4175	...	1											
4176	...	1											
4177	...	1											
4178	...	1											
4179	...	1											
4180	...	1											
4181	...	1											
4182	...	1											
4183	...	1											
4184	...	1											
4185	...	1											
4186	...	1											
4187	...	1											
4188	...	1											
4189	...	1											
4190	...	1											
4191	...	1											
4192	...	1											
4193	...	1											
4194	...	1											
4195	...	1											
4196	...	1											
4197	...	1											
4198	...	1											
4199	...	1											
4200	...	1											



