

Annual report of the Director of Medical Services / Barbados.

Contributors

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BARBADOS



ANNUAL REPORT

OF THE

DIRECTOR OF MEDICAL SERVICES

FOR THE YEAR

1963 - 64

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FOR THE YEAR

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ANNUAL REPORT OF THE DIRECTOR OF MEDICAL SERVICES FOR THE YEAR
1963-64

Part I. MEMBERSHIP OF COMMITTEES

GENERAL HOSPITAL ADVISORY COMMITTEE

J. Baeza, M.B., Ch.B., - *Chairman*
E. St.E. Thompson, M.D., (Toronto), L.M.C.C., D.O. (Eng.)
Mrs. Merle Arthur
Basil Cole, Esquire
The Hon. Sir Frank Holder, C.M.G., Q.C.
W. C. Goodman, Esquire, M.B.E., Secretary.

VISITING COMMITTEE - MENTAL HOSPITAL

C. B. St. John, C.B.E., M.B., B.S. (Lond.), M.R.C.S., I.R.C.P., D.O.M.S.,
R.C.P.S. (Eng.) - *Chairman*
J. Baeza, M.B., Ch.B.
L. A. Lynch, Esquire
H. Waite, Esquire
Mrs. E. J. Parry
Mrs. Olga Symmonds, J.P.
The Medical Superintendent, Mental Hospital, (*ex officio*)
E.B. M. Hall, Esquire, *Secretary*.

VISITING COMMITTEE - LAZARETTO

The Director of Medical Services - *Chairman*
F. N. Grannum, M.B.E., M.B., Ch.B. (Edin.), D.T.M. & H. (Eng.), M.P.H. (Harvard)
The Rev. K. S. Hassell (*Chaplain*)
Miss Eunice Gibson
Mrs. F. A. Bishop, M.B.E.
Mrs. W. Terajewicz
Mrs. E. Parry
C. B. Allamby, Esquire
C. E. Edwards, Esquire, *Secretary*.

GENERAL NURSING COUNCIL

The Director of Medical Services - *Chairman*
The Matron, General Hospital
The Matron, Mental Hospital
The Matron, Maternity Hospital
The Principal Tutor, Barbados General Hospital
The Supervisor, Public Health Nurses/Midwives
Miss Eunice Gibson
Mrs. Grace Jordan
E. St.E. Thompson, M.D. (Toronto), L.M.C.C., D.O. (Eng.)
Miss G. Bayley, *Secretary*.

BOARD OF MEDICAL ASSESSORS

The Director of Medical Services - *Chairman*
Hon. Sir Grey Massiah, C.B.E., M.A., M.D., C.M.,
C. H. St. John, C.B.E., M.B., B.S. (Lond.), M.R.C.S., I.R.C.P. D.O.M.S.,
R.C.P.S. (Eng.)
B. S. Skinner, M.R.C.S. (Eng.), L.R.C.P. (Lond.), F.A.C.A.

BOARD OF DENTAL ASSESSORS

The Director of Medical Services – *Chairman*

H. N. St. John, M.R.C.S. (Eng.), L.R.C.P. (Lond.), F.R.C.S. (Edin.) D.L.O.

E. W. Storey, D.D.S.

L. K. Nicholls, D.D.S.

PUBLIC HEALTH ADVISORY COMMITTEE

E. B. Carter, O.B.E., M.D., C.M., L.M.S. (N. Scotia) – *Chairman*

F. G. Reader, M.R.C.S., (Eng.), L.R.C.P. (Lond.)

Councillor J. Smith, D.D.S.

Councillor V. W. A. Chase

Councillor St. C. L. Harper

Mrs. G. Jordan

The Director of Medical Services – (*ex officio*)

Part II. STAFF

2. Whole-time members as at 31st March, 1964.

Director of Medical Services (to 30th November, 1963)

M. A. Byer, O.B.E., M.B., Ch.B. (Edin.), M.P.H. (Harvard)

A.V. Wells, O.B.E., (from 1st February, 1964) M.B., Ch.B. (Edin.),

D.T.M. & H. (Edin.), D.F.H. (Edin.)

Senior Medical Officer of Health

E. Cochrane, M.D., Ch.B. (U. Glasgow), D.P.H. (Lond.)

Health Officer (Port)

F. N. Grannum, M.B.E., M.B., Ch.B., (Edin.), D.T.M. & H. (Eng.) M.P.H. (Harvard)

Supervisor, Public Health Nurses/Midwives

Miss A. Walters

Chief Public Health Inspectors

W. A. Abrahams, Esq., M.R.S.H.

S. J. Sealy, Esq., A.R.S.H.

C. E. Haynes, Esq., M.R.S.H.

L. G. Harris, Esq., M.R.S.H.

Assistant Chief Public Health Inspector

E. B. Baird, Esq.

Public Health Inspectors (Port)

K. McD. Walrond, Esq.,

E. T. Scott, Esq.,

V. Barrow, Esq.,

A. O'N. Lewis, Esq.

C. L. Lovell, Esq.,

C. R. Griffith, Esq.,

Vacant

Public Health Inspectors

S. B. Jones, Esq.,

C. O. Whittaker, Esq.,

D. A. Leacock, Esq.

Office Superintendent

E. B. M. Hall, Esq., to 31st January, 1964.

Administrative	}	4
Professional		
Technical		16
Clerical	..	10
Other	..	3

BARBADOS GENERAL HOSPITAL

Medical Superintendent

H. Mc.D. Forde, M.R.C.S., (Eng.), L.R.C.P. (Lond.), M.B., B.S., M.D. (U. Lond.),
D.P.H., R.C.P.S., (Eng.), M.R.C.P. (Edin.), D.T.M. & H. (Eng.)

Senior Surgeon Specialist

A. G. Leacock, C.B.E., M.A., M.B., M.Chir. (U. Camb.), F.R.C.S. (Eng.)

Senior Specialist Radiologist

Miss Edith Smith, M.B., B.S., (U. Punjab), D.M.R.E. (Camb.)

Senior Specialist Physician

A. C. Graham, M.R.C.S. (Eng.), L.R.C.P. (Lond.), M.B., B.S. (U. Lond.) D.C.H.
(Lond.), M.R.C.P. (Lond.)

Senior Anaesthetist

B. S. Skinner, M.R.C.S. (Eng.), L.R.C.P. (Lond.), L.M.C.C., F.A.C.A., D.A.

Senior Ophthalmic Surgeon

H. N. St. John, M.R.C.S., (Eng.), L.R.C.P. (Lond.), D.L.O. (Lond.), F.R.C.S.
(Edin.)

Senior Bacteriologist and Pathologist

W. A. dos Santos, M.B., Ch.B., (Cantab.), M.R.C.S. (Eng.), L.R.C.P. (Lond.),
Dip. Bact., F.C. Path.

Senior Specialist Obstetrician and Gynaecologist (from 1st January, 1964)

G. T. M. Cummins, M.B., Ch.B. (U. Aberd.), M.R.C.O.G.

Bacteriologist and Pathologist

Miss M. M. Bools, M.B., Ch.B., B.A.O.

Anaesthetist

L. C. Luck, L.R.C.P. (Edin.), L.R.C.S. (Edin.), L.R.F.P.S. (Glas.) D.A., F.F.A.

Radiologist

C. B. Vaughan, M.R.C.S. (Eng.), L.R.C.P. (Lond.)

Registrars

(Anaesthetist)

W. S. Snow, L., L.M., R.C.P. (Irel.), L., L.M., R.C.S. (Irel.)

(Surgical)

F. W. Ward, M.B., B.S. (Lond.)

R. Malone, M.B., B.Ch., B.A.O., M.R.C.O.G. (Queen's Belfast)

(Medical)

Vacant

Medical Officers

G. A. O. Alleyne, M.B., B.S., M.R.C.P.

N. E. Procope, M.B., B.S.

A. C. Halliwell, M.R.C.S., L.R.C.P.

M. A. Stoby, L.R.C.P. (Edin.), M.R.C.S. (Eng.)

J. E. Hutson, M.B., Ch.B. (L'pool)

A. R. Edghill, M.B., B.S.

G. R. D. Maynard, M.B., B.S.

(2 vacancies)

House Officers

Dr. R. Gaskin
 Dr. D. L. Bailey
 Dr. M. Clarke
 Dr. B. Brathwaite
 Dr. L. Hardy

Steward and Secretary

W. C. Goodman, Esq., M.B.E.

Matron

Miss E. K. Walters

Assistant Matron

Miss E. M. Skinner

Principal Sister Tutor

Mrs. I. Murray-Aynsley

Sister Tutor

Miss O. Barrett

Departmental Sisters

Miss B. St.Hill
 Miss A. Mayers
 Miss C. Blackman
 Miss E. Husbands

Physiotherapist

Vacant

Radiographers

Miss N. Forde
 Mrs. J. Y. Worrell

Administrative	}	29
Professional		
Technical	..	159
Clerical	..	32
Other	..	261

MENTAL HOSPITAL**Medical Superintendent**

Lt. Col. R. M. Lloyd-Still, O.B.E., M.R.C.S., (Eng.), I.R.C.P. (Lond.)

Assistant Medical Superintendents

W. Terajewicz, M.D. (U. Cracow)
 J. T. Murray-Aynsley, M.R.C.S. (Eng.), L.R.C.P. (Lond.)

Matron

Miss G. Bayley

Tutor

C. Bennett, Esq.

Head Male Nurse

A. E. Lewis, Esq.

Steward

V. Boyce, Esq., to 28th January, 1964.
 E. B. M. Hall, Esq., from 1st February, 1964.

Administrative	}	3
Professional		
Technical		113
Clerical ..		5
Other ..		35

LAZARETTO

Superintendent		
C. E. Edwards, Esq.		
Other ..		17

HEALTH CENTRES

Enmore

Medical Officer of Health

L. Harney, L.M.S.S.A. (Lond.), M.R.C.S. (Eng.), L.R.C.P. (Lond.) M.P.H.
(Harvard)

Laboratory Supervisor
Vacant

Senior Public Health Nurse
Mrs. B. Williams

Radiographer

Miss S. Hanoman

Professional	1
Clerical ..	5
Technical	14
Other ..	4

Speightstown

Medical Officer of Health

C. G. Terrell, O.B.E., M.B., Ch.R. (Edin.), D.T.M. (Lond.)

Senior Public Health Nurse
Miss M. Mayers

Professional	1
Technical	6
Clerical ..	1
Other ..	1

Six Cross Roads

Medical Officer of Health

A. V. Wells, O.B.E., M.B., Ch.B (Edin.), D.T.M. & H (Edin.), D.P.H. (Edin.)

Senior Public Health Nurse
Miss I. Parrett

Professional	1
Technical	7
Clerical ..	1
Other ..	3

MATERNITY HOSPITAL

Matron

Vacant

Clerical ..	1
Technical ..	5
Other ..	11

DISTRICT HOSPITAL, OISTINS

Sister-in-Charge
Miss T. Harper

Technical 10

Other .. 7

3. Part-time members as at 31st March, 1964.

Assistant Health Officer (Port)

G. E. Lorde, L.R.C.P. (Edin.), L.R.C.P. & S. (Glas.)

School Dentists

J. A. Smith, D.D.S.

T. E. H. Talma, D.D.S.

R. S. Greaves, D.D.S.

BARBADOS GENERAL HOSPITAL**Visiting Surgeons**

A. L. Stuart, M.B., Ch.B., D.T.M. & H.

A. S. Cato, M.B. Ch.B. (U. Edin.)

B. L. Massiah, M.S., M.R.C.S., L.R.C.P. (Lond.)

Assistant Visiting Surgeons

W. A. St. John, L.R.C.P., M.R.C.S., L.M.S.S.A. (Lond.)

2 Vacancies

Visiting Ophthalmic Surgeon

A. A. Gibbons, M.B., Ch.B., D.O.M.S., R.C.P.S. (Eng.), D.T.M. (L'pool)

Ear, Nose and Throat Surgeon

A. W. Trieloff, M.D., L.M.C.C. (Can.)

Assistant Ear, Nose and Throat Surgeon

F. G. Reader, M.R.C.S. (Eng.), L.R.C.P. (Lond.)

Dental Surgeon

E. W. Storey, D.D.S.

DISTRICT HOSPITAL, OISTINS**Medical Officers**

E. L. Ward, M.R.C.S., L.R.C.P.

S. A. Kinch, M.D., C.M.

MATERNITY HOSPITAL**Visiting Obstetrician**

F. G. Reader, M.R.C.S. (Eng.), L.R.C.P. (Lond.)

LAZARETTO**Visiting Physician**

T. N. Blades, M.R.C.S. (Eng.), L.R.C.P. (Lond.)

Part III. LEGAL

During the year under review the main pre-occupation of the Department as far as legislation was concerned was the making of Public Health Bye-laws by the three Local Government Councils. Bye-laws made by the Councils must receive Cabinet approval before coming into force.

Part IV. VITAL STATISTICS

The natural increase in population, i.e. the difference between births and deaths, was 4,666. This is the highest figure recorded during the last ten years.

This natural increase was partly offset by the excess of emigrants 70,983 over immigrants 69,282, a difference of 1,701.

The birth rate dropped slightly from 29.6 per 1,000 last year to 29.09 for 1963.

The death rate also shows a slight drop from 9.1 last year to 8.83 for the year 1963.

The Infant Mortality Rate of 62 per 1,000 live births is a clear indication of the greatly improved environmental conditions under which the children live today, as compared with 139 per 1,000 live births in 1953.

There was a small increase in the Maternal Mortality Rate to 3.26. The rate for last year was 2.33 per 1,000 live births.

The main vital statistical data for the year ending 31st December, 1963 are as follows:

Estimated end of year population	..	..	238,097
Estimated mean population	..	..	236,614
Births registered	..	..	6,883
Birth rate per 1,000 of the population	..	..	28.55
Deaths registered	..	..	2,090
Deaths per 1,000 of the population	..	..	8.83
Infant Mortality Rate	..	..	62
Maternal Mortality Rate per 1,000 live births	..	..	3.26
Still Births registered	..	..	114
*Still Birth rate per 100 total births	..	..	1.63

The following table includes the Maternal Mortality Rates, per 1,000 live births, for the last ten years:

* In previous years the still-birth rate was calculated per 100 live births.

Vital Statistical data over the ten year period 1954-1963:

Year	Mean Population	Natural Increase Population	Birth Rates	Crude Death Rates	No. of live births	Infant Mortality Rate	Maternal Mortality Rate
1954	225,240	5,032	33.63	11.29	7,776	109	2.71
1955	228,330	4,706	33.14	12.60	7,593	134	2.59
1956	229,346	4,652	30.88	10.59	7,082	97	3.39
1957	230,903	4,845	31.69	10.69	7,314	87	2.19
1958	234,520	4,817	30.34	9.80	7,115	82	2.95
1959	238,806	5,026	29.77	8.73	7,110	71	2.25
1960	233,800	5,703	32.44	8.82	7,833	60	2.17
1961	234,300	4,344	29.00	10.40	6,754	84	2.20
1962	235,700	4,767	29.60	9.10	6,881	55	2.33
1963	236,800	4,666	28.55	8.83	6,756	62	3.26

The population on the 31st December, 1963, was computed as follows:-

Estimated population 31st December, 1962 ..	235,132
Excess of births over deaths	4,666
	<u>239,798</u>
Less excess of Emigration over Immigration ..	1,701
Population at 31st December, 1963	<u>238,097</u>

	Males	Females	Persons
Immigration	39,240	30,042	69,282
Emigration	40,685	30,298	70,983
Arrivals by air	—	—	62,369
Departures by air	—	—	65,549

Tables showing the causes of Death in each parish in age-groups are printed in the Appendices.

Part V. HEALTH AUTHORITIES

The Health Authorities established under the Public Health Act 1954 are:

- (a) The Bridgetown City Council;
- (b) The Northern District Council;
- (c) The Southern District Council.

Each Council has a Medical Officer of Health and a Chief Public Health Inspector nominated for the Council by the Central Government who act as advisers on Public Health matters to the Councils.

Part VI. REPORT OF THE CHIEF PUBLIC HEALTH INSPECTOR

W. A. Abrahams, Esq., M.R.S.H.

The Summary of the work done by the Inspection Field Force of the Department during the period April 1, 1963 to March 31, 1964, included the following:

- (i) *Aedes aegypti* Eradication Project.
- (ii) Quarantine and Port Sanitation.
- (iii) Rodent Control.
- (iv) Control of Infectious Diseases.

AEDES ERADICATION PROJECT

It will be remembered that in the report of the previous year it was suggested that "an increase in the number of inspectors would greatly facilitate the chances of ultimate success in the eradication of the *Aedes* mosquito." As a result, a meeting was convened to discuss this and was attended by the Honourable Premier, members of the Cabinet, the Director of Medical Services, the Senior Medical Officer of Health, the Chairmen of the Public Health Committees of the three Local Government Councils and the Government Chief Public Health Inspectors.

The discussions resulted in funds being made available for further increases in staff and for other contingencies which might be required.

Additional inspectors were employed and trained, and the majority were allocated to the main trouble area, St. Michael. For a time the results of the work did not show any great progress and it was felt that there was need for greater efforts, and minor clean up campaigns were instituted in several districts; but by this time the rains had set in and there was a sharp increase in the incidence of mosquito breeding in the Area.

During the course of the year it became apparent that the *Aedes aegypti* mosquito had developed resistance to D.D.T., and on the advice of the W.H.O. experts, it was decided to change to Dieldrin.

With the advent of the dry season, the incidence of breeding fell, but it still remained higher than desirable, particularly in the St. Michael area.

QUARANTINE AND PORT SANITATION

Daily inspections of the areas in the vicinity of Carlisle Bay and the Bridgetown Port are carried out. Inspection of water receptacles on board surface craft berthed in Carlisle Bay forms part of the duties of the Port Inspector and Buildings erected within the precincts of the areas of Carlisle Bay and the Bridgetown Harbour are checked for possible mosquito and Rodent infestation.

Five hundred and one (501) motor vessels, schooners, etc., entered and were berthed in Carlisle Bay during the period under review, the majority coming from neighbouring West Indian Islands. All vessels were inspected before being allowed to berth in the Carenage. No mosquitoes were found during operations on these vessels, but residual spraying was carried out on thirteen.

RODENT CONTROL

Rodent control is carried out almost entirely by poisoning, the substances used being Racumin or "1080". During the period under review 56,992 baits were laid in warehouses, business places and private residences, and 6,870 rats and 1,522 mice were found poisoned.

CONTROL OF INFECTIOUS DISEASES

All cases of infectious diseases notified were investigated by the Chief Public Health Inspector of the District in which the patient resided. The following notifications were received:

Infected Disease	City	Northern District	Southern District
Tuberculosis	55	12	20
Poliomyelitis	30	18	31
Leptospirosis	12	13	13
Diphtheria	3	—	5
Leprosy	1	—	—
Enteric Fever	12	1	7
Total	113	44	76

THE PUBLIC HEALTH LABORATORY - HEALTH CENTRE, ENMORE

During the year a total of forty-three thousand two hundred and six (43,206) tests were performed. From this total twenty-seven thousand, five hundred and fifty-eight (27,558) were serological tests for syphilis. Of a total of twenty thousand seven hundred and eight (20,708) qualitative V.D.R.L. tests done, there were seventeen thousand one hundred and thirty-eight (17,138) which gave a negative result, two thousand and fifty-five (2,055) which gave a reactive result and one thousand five hundred and fifteen (1,515) which gave a weakly reactive result. These gave percentages of 82.6 negative, 9.9 reactive and 7.5 weakly reactive. As usual the Kolmer-Wasserman was done on all blood specimens which gave a weakly reactive result and on all emigrants intending to go to Canada. Late in September the Kolmer-Wasserman test was replaced by the Reiter Protein Complement Fixation Test. The latter is more specific in detection of syphilis because a strain of the *Treponema spirochaete* is used in preparation of the antigen. Since the test entails a small volume technique, it is thus economical on expensive reagents such as the complement and the antigen. In using a small volume technique, evaporation would have to be reduced to a minimum for maintenance of accuracy, hence a section of the laboratory had to be air-conditioned. Results of the test are reliable because of their assessment by comparison with a pattern produced by sera of pre-determined reactivity. Statistics have shown that results of this test compare favourably with those of the *Treponema Pallidum* Immobilisation (T.P.I.) test.

There were seven hundred and sixty-eight (768) specimens of spinal fluid submitted for exclusion of syphilis. Ten (10) of these were positive by Complement Fixation Test and seven (7) positive by V.D.R.I. test.

Direct examination of serum from sores on a total of fifty-one (51) patients did not show any *Treponema pallidum* by darkfield examination.

There was a total of one hundred and thirty-six (136) throat swabs submitted for exclusion of *C. diphtheria*. The majority of these were from contacts and only one (1) gave a positive isolate.

Examination of faeces from six hundred and ninety-three (693) prospective emigrants did not reveal carriers of any of the organisms of the *Salmonella* or *Shigella* groups. One hundred and sixteen (116) of these samples were positive for ova, the majority of these were ova of *Trichiuris Trichiura*.

Three hundred and fifty-eight (358) sensitivities were performed on cultures from patients with *M. tuberculosis*. The routine range of drugs set up was P.A.S. Streptomycin and I.N.H. The other drugs Ethionamide, Cycloserine and Viomycin were included when indicated by the Medical Officer.

Six hundred and forty (640) water samples were submitted from the pumping stations and from various sources in distribution at Seawell Airport. Samples were generally satisfactory, but those from Bowmanston and from College Springs showed some fluctuation in their quality. Unchlorinated samples from Bowmanston showed 10 coliforms per 100 ml. in early February dropping to between two and nil later in the month. There was a sharp rise in April when unchlorinated samples showed numerous coliforms. There were similar rises in June when the chlorinated samples also showed numerous colonies. Fluctuation in unchlorinated samples continued in July and August to a maximum of only 25 colonies. During this entire period chlorinated samples were satisfactory. There were again steep rises to numerous colonies per 100 ml. during September and October when chlorinated samples were also unsatisfactory. The count dropped in November to about 20 colonies and by December samples were satisfactory.

Hampton pumping station showed low counts of two (2) to five (5) coliforms in January, April and October.

College Springs showed a rise in August to about eight (8) coliforms and reached approximately one hundred (100) in October. Subsequent samples were all satisfactory.

Newcastle Springs showed approximately ten (10) coliforms/100 ml. in July but was satisfactory on all previous and subsequent occasions.

Routine samples from Belle, Golden Ridge, Ashton Hall, Hanson, Haymans and Sweet Vale were satisfactory on all occasions.

Mrs. G. Sealy proceeded to Trinidad on 5th January for a period of 2 months. This was a WHO fellowship granted specifically for familiarisation with the Reiter Protein Complement Fixation test which was started later in the year in our laboratory. During the two months Mrs. Sealy took the opportunity to have a look at other sections of the laboratory. During her absence Mrs. G. Wellington acted as Senior Technician.

Mr. C. Best returned from the United Kingdom on the 1st September, after completion of a three year Government Training Course in Medical Laboratory Technology. During the course special emphasis was laid on Bacteriology and Haematology, the two subjects which it was thought would fit best into the general scheme of things in the Public Health Laboratory. Mr. Best resumed duties as acting Laboratory Supervisor, and Mrs. Sealy continued to act as Senior Technician.

Mr. C. Hewitt, who was acting in one of the Junior Technicians' post resigned in September to start his studies at University of the West Indies.

The petition for a second Laboratory Attendant, on a full-time basis was granted in October. Mr. D. Mottley, who formerly did the job part-time, assumed these duties.

Attached are the details of tests performed throughout the year.

ENMORE HEALTH CENTRE - (Concluded)

<i>Haematology:</i>					<i>Positive</i>	<i>Negative</i>	<i>Total</i>
Haemoglobins ..	..	..	..	..	-	-	1,509
R.B.C.	..	..	..	..	-	-	31
W.B.C.	..	..	..	..	.	-	110
Differentials ..	..	..	..	..	-	-	83
E.S.R.	..	..	..	..	-	-	57
Packed Cell Volume ..	..	..	..	..	-	-	23
M.C.H.C.	..	..	..	..	-	-	8
Morphology ..	..	..	..	..	-	-	24
Sickling ..	..	..	..	..	-	-	8
							<u>1,853</u>

TOTAL ENMORE HEALTH CENTRE 10,214

SIX CROSS ROADS HEALTH CENTRE

					<i>Positive</i>	<i>Negative</i>	<i>Total</i>
<i>Bacteriology:</i>							
G.C. Smears ..	..	..	..	..	1	77	78
G.C. Cultures ..	..	..	..	..	1	75	76
Other Cultures ..	..	..	..	..	-	-	152
Throat Swabs for C. diphtheria ..	..	..	..	..	-	72	72
Routine Sensitivities ..	..	..	..	..	-	-	5
<i>Parasitology:</i>							
Vaginal Swabs for Trichomonas ..	..	..	..	..	36	41	77
Faeces for ova ..	..	..	..	..	-	2	2
<i>Urinalysis:</i>							
Albumin ..	..	..	..	..	-	-	1,047
Sugar ..	..	..	..	..	-	-	1,046
<i>Haematology:</i>							
Haemoglobin ..	..	..	..	..	-	-	303
Morphology ..	..	..	..	..	-	-	132
							<u>2,990</u>
TOTAL SIX CROSS ROADS HEALTH CENTRE ..							<u>2,990</u>

Part VII. INSTITUTIONS AND HEALTH CENTRES

THE GENERAL HOSPITAL

Dr. H. McD. Forde, Medical Superintendent

W. C. Goodman, Esq., M.B.E. - Steward and Secretary

Miss E. Walters, Matron

Miss E. Maxwell, Medical Records Officer

During the report period the staff complement of the Records Department remained at eleven (11), the same as in the previous year. There was, however, a change in the break down of the permanent and temporary employees - three (3) officers who had been temporary were appointed, an officer was transferred from the Registry to the Department and another officer was also appointed. These officers together with the Records Officer and the female clerk mentioned in last year's report brought the total of permanent employees to seven (7), while four (4) continued to be engaged in a temporary capacity.

As a result of an act of the Legislature passed on 12. 11. 62 - Civil Establishment Order, ten (10) posts of Medical Secretaries were created and the post of female clerk abolished. The staffing position at 31st March, 1964, was therefore as follows:-

Permanent Staff:

(a) Records Officer	1
(b) Medical Secretaries	6

Temporary Staff:

Temporary Medical Secretaries	4
Total	11

Resignations:

The following resignations took place during the year:-

Miss D. Rock, temporary Medical Secretary with effect from 17th June, 1963, Miss Ivor Alleyne, temporary Medical Secretary with effect from 14th December, 1963, and Miss A. Elder, temporary Medical Secretary with effect from 1st March, 1964.

IN-PATIENT SERVICE

The statistical data which have been set out in Table "A" describe the use which has been made of the available beds.

The number of patients admitted and discharged has increased by 6.1% and 6.5% respectively. The average number of daily admissions and discharges has also increased by two (2) patients, and the average duration of stay is 13 days. This period's average daily number of occupied beds shows an increase of 35 over the 1962-63 average.

TABLE "A"
Statistical Analysis of In-patients

	1962-63	1963-64	Percentage
Total Fixed Bed Complement	453	453	
Average Daily No. of occupied beds & Cots	376	411	
No. of In-patients at beginning of annual period	394	402	
No. of In-patients at end of annual period	402	387	
No. of In-patients admitted during annual period	10,305	10,942	Incr: 6.1
No. of In-patients under treatment during annual period	10,699	11,344	
No. of In-patients discharged during annual period including Hospital deaths	10,341	11,019	Incr: 6.5
Average No. of patients resident daily	376	411	
Daily average admissions	28	30	
Daily average discharges	28	30	

N.B. This average includes patients admitted in excess of the fixed bed complement of 453.

In-patient Waiting List

The total number on the waiting list at the end of the period amounted to 2,188 patients as compared with 2,152 patients at the end of the previous year: an increase of 1.6 per cent. Cases admitted directly from the waiting list totalled 683 as compared with the previous year's number 610.

TABLE "B"

Division	At 31. 3. 63		At 31. 3. 64		Totals	
	Male	Female	Male	Female	31. 3. 63	31. 3. 64
General Medicine	—	—	—	—	—	—
Paediatrics ..	160	66	170	61	226	231
General Surgery	421	696	459	422	1,117	881
Gynaecology ..	—	448	—	697	448	697
E.N.T.	115	224	136	184	339	320
Ophthalmology ..	3	19	21	38	22	59
Totals ..	699	1,453	786	1,402	2,152	2,188

Admissions and Discharges in their various Specialities

The figures in this table show the cases admitted and discharged in their various specialities for the period under review. The General Surgery and Ophthalmology divisions show a decrease, while there has been an increase in the cases admitted to the other specialities.

TABLE "C"

Division	Available Beds, Cots and Bassinets		No. of Cases Admitted		No. of Cases Discharged	
	1962-63	1963-64	1962-63	1963-64	1962-63	1963-64
General Medicine	106	106	2,532	2,710	2,272	2,351
Tuberculosis ..	40	40	36	58	74	89
Paediatrics ..	38	38	1,096	1,397	1,000	1,277
General Surgery	143	133	3,617	3,481	3,367	3,371
Ophthalmology	27	27	435	428	420	429
Orthopaedics ..	30	30	429	454	460	459
Police Ward ..	4	4	-	-	-	-
E.N.T. ..	-	-	224	249	247	239
Gynaecology as from 1/10/63 ..	-	10	1,013	1,130	992	1,075
Obstetrics ..	9	9	829	931	836	927
Nursery ..	10	10	94	104	45	66
Pay Wards "A", "F" "D", Ter. B., Ter. C.	46	46	+	+	+	+
Totals	453	453	10,305	10,942	9,713	10,283

N.B. + The number of cases admitted was 1,388; discharged 1,425 as compared with 1,273 admitted; 1,276 discharged for the previous year.

Including Ear, Nose and Throat.

The Table "D" below, shows a further breakdown and sex classification of the number of cases admitted for the period under review:

TABLE "D"

Sex Classification

Division	Male Patients		Female Patients	
	1962-63	1963-64	1962-63	1963-64
General Medicine ..	1,278	1,327	1,254	1,383
Paediatrics	642	774	454	623
Skin	-	-	-	-
T. B. Ward	26	35	10	23
General Surgery ..	1,722	1,662	1,895	1,819
Orthopaedic	297	327	132	127
E.N.T.	66	80	158	169
Ophthalmology ..	221	233	214	195
Gynaecology	-	-	1,013	1,130
Obstetrics	-	-	829	931
Nursery	56	54	38	50
Totals ..	4,308	4,492	5,997	6,450

Hospital Deaths

The total number of deaths for the year has increased by 17.0 per cent with a Mortality Rate of 6.7 as compared with 6.6 in the previous period. The average days stay of 13, however, remains the same as the previous period 1962-63.

TABLE "E"

Classification of Hospital Deaths

Division	1962-63	1963-64	%
General Medicine	285	302	Incr: 5.9
Paediatrics	81	144	Incr: 77.7
Skin	—	—	—
T.B. Ward	6	4	Decr: 33.3
General Surgery	152	160	Incr: 5.2
Orthopaedic	6	15	Incr: 150.0
E.N.T.	—	2	—
Ophthalmology	—	—	—
Gynaecology	1	7	Incr: 600.0
Maternal	8	5	Decr: 37.5
Nursery	37	46	Incr: 24.3
Neo-Natal	52	51	Decr: 1.9
Casualty	17	19	Incr: 11.8
Total	645	755	Incr: 17.0

Deaths Associated with Anaesthesia

These deaths are small in number for the period under review and show a decrease of 80.0 per cent.

TABLE "F"

	1962-63	1963-64	%
Deaths associated with Anaesthesia	5	1	Decr: 80.0

Deaths within 24 hours of Admission

For the period under review there has been an increase in the number of deaths within 24 hours of admission and of this number 96 were Coroner's inquests.

TABLE "G"

	1962-63	1963-64	%
Deaths within 24 hours of admission	112	135	Incr: 20.5

Perinatal Mortality

A combination of the totals of stillbirths and neonatal deaths shows that the perinatal mortality for the period under review has increased by 16.0 per cent. The still-birth rate shows an increase of 28.7 per cent, while the neonatal deaths show a slight decrease of 1.9 per cent.

TABLE "H"
Perinatal Deaths

					1962-63	1963-64	%
Still-births	..	..	..	..	73	94	Incr: 28.7
Neo-natal	..	..	..	..	52	51	Decr: 1.9
Total	..	..	..	..	125	145	Incr: 16.0

Casualty and General Practitioners' Service

The Medical, Surgical and General Practitioners' services have treated more patients for this period than in the corresponding period 1962-63. The New Cases seen and treated were 15,948; Old Cases 119,099, giving a total of 135,047 for the period under review. The figures given in Table "I" below show a decrease of 13.8 per cent in new cases but there is no indication of any significant fall in the demand for treatment as the number of attendances in Casualty still continue to increase. This is indicated by the increase of 5.8 per cent in the number of old attendances.

TABLE "I"
Casualty Service

Divisions	New Cases			Old Attendances		
	1962-63	1963-64	Percentage	1962-63	1963-64	Percentage
Medical & Surgical	12,796	15,929	Incr: 24.4	89,152	106,655	Incr: 19.6
Paediatrics ..	5,334	*	—	11,153	*	—
Diabetes ..	30	19	Decr: 36.6	12,237	12,444	Incr: 1.6
Totals	18,160	15,948	Decr: 13.8	112,542	119,099	Incr: 5.8

* From April, 1963, the Paediatric cases have been transferred from the Casualty and General Practitioners' service to the Clinical service. In spite of this, however, the day to day problem of providing treatment for the overflow of casualty patients still continues.

OUT-PATIENTS

There was an increase in the number of new cases treated and old attendances, over those for the corresponding period 1962-63. A total of 5,499 new cases and 22,224 old attendances have been recorded for the period under review. These figures in Table "J" show an increase of 9.9 per cent, and 17.2 per cent respectively over the period 1962-63.

TABLE "J"
Summary of Clinical Cases

Divisions	New Cases			Old Attendances		
	1962-63 Period	1963-64 Period	Percentage	1962-63 Period	1963-64 Period	Percentage
Medicine ..	537	927	Incr: 72.6	5,984	8,578	Incr: 43.3
Surgery ..	4,464	4,319	Decr: 3.2	12,972	13,214	Incr: 1.8
Obst. and Gynae. (started in Oct. 1963) ..	—	253	—	—	432	—
Total ..	5,001	5,499	Incr: 9.9	18,956	22,224	Incr: 17.2

Other analyses of the figures for the various specialities as shown in Tables "K" and "L" indicate where the increases and decreases in new cases and attendances have taken place.

Division of Medicine

Attendances were 8,578 as compared with 5,984 in the previous period, an increase of 43.3 per cent. New patients were 927, an increase of 72.6 on the previous total of 537.

TABLE "K"
Clinical Service

Division of Medicine	New Cases			Old Attendances		
	1962-63 Period	1963-64 Period	Percentage	1962-63 Period	1963-64 Period	Percentage
General Medicine	537	841	Incr: 56.6	5,984	7,429	Incr: 24.1
Dermatology ..	—	—	—	—	—	—
Paediatrics ..	—	86	—	—	1,149	—
Totals	537	927	Incr: 72.6	5,984	8,578	Incr: 43.3

Division of Surgery

Attendances were 13,214 as compared with 12,972 in the previous period, an increase of 1.8 per cent. New patients were 4,319, a decrease of 3.2 per cent on the previous total of 4,464.

TABLE "L"
Clinical Service

Division of Surgery	New Cases			Old Attendances		
	1962-63 Period	1963-64 Period	Percentage	1962-63 Period	1963-64 Period	Percentage
General Surgery	2,017	1,944	Decr: 3.6	5,114	4,504	Decr: 11.9
Orthopaedic ..	289	339	Incr: 17.3	1,240	1,533	Incr: 23.6
E.N.T.	633	581	Decr: 8.2	294	371	Incr: 26.1
Ophthalmology ..	907	801	Decr: 11.6	3,857	3,741	Decr: 3.0
Dental	545	610	Incr: 11.9	1,764	1,843	Incr: 4.4
Ulcer (Leg) ..	73	44	Decr: 39.7	703	1,222	Incr: 73.8
Totals	4,464	4,319	Decr: 3.2	12,972	13,214	Incr: 1.8

Division of Obstetrics & Gynaecology

During the period 1963-64 (as from October 1963) 57 new cases, and 227 old attendances were recorded. The figures of attendances and births are given in the following tables:-

TABLE "M"
Ante-Natal and Post-Natal Clinics

				Ante-Natal 1963-64 Period	Post-Natal 1963-64 Period
No. of new cases	..	..	..	57	—
No. of old cases	..	..	..	148	79
Total Attendances	..	..		205	79

TABLE "N"
Classification of Births

Division	1962-63	1963-64	Percentage
Live Births	652	753	Incr: 15.4
B. B. A.	22	24	Incr: 9.0
Still Births	73	94	Incr: 28.7
Twin Births	13	22	Incr: 69.2
Triple Births	—	1	—

Gynaecological Clinic

During the period 1963-64 (as from October 1963) 196 new cases, and 205 old attendances were recorded.

TABLE "O"
Gynaecological Clinic

	Period - 1963-64					
No. of new cases	..	..	..	..	..	196
No. of old cases	..	..	..	..	..	205
Total Attendances	..	..	..	..	..	401

Waiting List of Out-Patient Department

At the first of April, 1964, a total of 177 patients were on the active list of cases waiting to be seen in the clinics, and of this total 64 were male and 113 were female patients. The period of waiting was:— under one month — 159 patients; and between one and two months — 18 patients. Table "P" below shows a comparison of the various clinical specialities and the relative number of cases that have been waiting to be seen in the clinics.

TABLE "P"
Waiting List - Out-Patient Department

Speciality	Male	Female	Total	Under 1 Month	1 - 2 Months
Medical	7	17	24	24	—
Diabetic	—	—	—	—	—
Skin	—	—	—	—	—
Paediatric	—	—	—	—	—
General Surgery	29	41	70	63	7
Ophthalmology	9	13	22	22	—
E. N. T.	1	2	3	3	—
Orthopaedic	6	—	6	6	—
Gynaecology	—	2	2	2	—
Dental	12	29	41	30	11
Ulcer (Leg)	—	1	1	1	—
Ante-Natal	—	—	8	8	—
Post-Natal	—	—	—	—	—
Totals	64	113	177	159	18

Operations

The total number of hospital operations (Major, Minor and Eye) has increased by 2.0 per cent. The previous year's total was: Major and Minor 5,647 as compared with

5,806. Eye - 262 as compared with 223. The average daily number of operations (In-Patients) was 14 as compared with 13 for the previous year, (Out-Patients) 3 as compared with 2.

TABLE "Q"
Operating Theatres

	1962-63	1963-64	Percentage
In-Patient (including Eyes) ..	4,968	4,986	Incr: 0.3
Out-Patient	941	1,043	Incr: 10.8
Total	5,909	6,029	Incr: 2.0

Physiotherapy

The total number of treatments and attendances is 261 for the period under review as compared with 302 for the previous year. The number of new treatments has decreased by 81.1 per cent while the old attendances show an increase of 145.5 per cent.

TABLE "R"
Physiotherapy

	New Treatment			Old Attendances		
	1962-63	1963-64	Percentage	1962-63	1963-64	Percentage
In-Patient	82	27	Decr: 67.0	34	13	Decr: 61.7
Out-Patient	130	13	Decr: 90.0	56	208	Incr: 271.4
Totals	212	40	Decr: 81.1	90	221	Incr: 145.5

This report will reveal that there has been noticeable increase in the number of old and new cases attending the various Out-Patient Clinics, but there has been a decrease in the new cases seeking Casualty and General Practitioners service. Once again it is felt that the increase in the clinical cases is the result of more and more persons becoming conscious of the health facilities available.

THE MENTAL HOSPITAL

Dr. R. M. Lloyd-Still, O.B.E., Medical Superintendent

POPULATION

The total number of patients in residence on 31st December, 1963, was 731 (316 males and 415 females) as against 749 (307 males and 442 females) on 31st December, 1962.

The average number in residence during the year was 736 (306 males and 430 females) as against 758 - 303 males and 455 females in 1962. The highest number recorded during the year was 755 on 27th January as against 774 on 10th June, 1962, and the lowest was 706 on 21st July, 1963, as against 733 on 2nd September, 1962.

Admissions

There were 695 admissions (346 males and 349 females): 38 - 5.5% were certified, 165 - 23.7% voluntary, 381 - 54.8% temporary and 111 - 16% sent from the Courts under observation. In 1962 there were 631 admissions (295 males and 336 females) 37 - 5.9% were certified, 142 - 22.5% voluntary, 384 - 61% temporary and 60 - 9.6% sent from the Courts under observation.

Discharges

641 patients (300 males and 341 females) were sent out during the year as against 612 (293 males and 319 females) in 1962. 182 were permanently discharged, 197 discharged after a trial period, 65 who afterwards returned from trial and 89 returned to the Courts for discharge. 173 were still on trial at the end of the year. 17 of the 111 patients who were sent from the Courts were certified and 5 were under observation at the end of the year.

Deaths

72 patients (29 males and 43 females) died as against 47 (15 males and 32 females) in 1962.

The main causes of death were as follows:-

1963		1962	
Myocardial degeneration &		Myocardial degeneration & Arterio-	
Arterio-Sclerosis	36	Sclerosis ..	21
Cerebral Haemorrhage	5	Cerebral Haemorrhage ..	3
Dementia Paralytica	3	Dementia Paralytica ..	3

Health

The general health of the patients continues to be satisfactory. Routine X-Rays are continuing to be carried out at Enmore Health Centre. No new cases of Pulmonary Tuberculosis were discovered.

The number of deaths, most of which occurred amongst the elderly population was higher than the previous year. The average age was 62 - the same as in 1962.

The number of deaths for the last ten (10) years was as follows:-

1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
35	44	52	49	53	46	53	56	47	72

STAFF

Mr. V. C. Boyce, who held the post of Steward/Secretary with effect from 1st August, 1957, was granted 58 days leave with effect from 1st December, 1963, and terminated his appointment with effect from 28th January, 1964. He gave the Hospital six (6) years of efficient service. Mr. E. B. M. Hall, Office Superintendent, Director of Medical Services was appointed to act with effect from 1st December, 1963.

Mr. A. E. Lewis, Head Male Nurse, who was on study leave in the United Kingdom, obtained the R.M.N. and S.R.N. Certificates and resumed duties on 11th March, 1963.

Mrs. Norma Roach, R.N., M.N., attended a residential course at U.W.I. in the Principles and Practice of Social Work with effect from 21st January, to 18th May, 1963.

Miss Elaine Carter, Stenographer, was seconded to act as Secretary, Ministry of Trade, Industry and Labour, with effect from 22nd October, 1963, to 12th November, 1963.

Mrs. Coral Skinner, Housekeeper, was seconded to the post of Housekeeper, Erdiston College, with effect from 22nd June to 27th December, 1963.

Appointments

The following appointments were made during the year:—

Mr. Cyril Taitt, Nurse, was appointed to the post of Charge Nurse with effect from 1st April, 1963.

Mr. Simeon Payne, Nurse, was appointed to the post of Charge Nurse with effect from 1st April, 1963.

Miss Dorrie Pilgrim, Sister, was appointed to the Post of Senior Sister with effect from 1st September, 1963.

Miss Gwendolyn Moore, Charge Nurse, was appointed to the Post of Sister with effect from 1st September.

Retirements

Miss Mythriel Maloney, Senior Sister, was granted 66 days pre-retirement leave with effect from 18th June, and retired with effect from 20th August. She gave thirty years long and faithful service to the hospital and was subsequently awarded the Imperial Service Medal.

Resignations

During the year the following resigned:

<i>Permanent Staff</i>	<i>Temporary Staff</i>
3 Female Nurses	2 Female Nurses
2 Male Nurses	1 Male Nurse
2 Cooks	

ACCOMMODATION

For the accommodation of patients there were 35 dormitories holding 380 beds and 417 single rooms — 321 males and 476 females — total accommodation 797.

TREATMENT

In addition to general psychotherapy and the therapeutic effect of the open door hospital and occupational therapy, tranquillizing drugs have been used with good effect but chlorpromazine and stelazine remain the sheet anchor and also for patients out on trial or discharged, which with maintenance doses prevents subsequent relapses. Electro-Convulsive Therapy still has its great usefulness, particularly in depressive disorders, but is used on a very much reduced scale. Modified Insulin for relapse cases and for treating alcoholics is still used, but this also is on a reduced scale.

There were three (3) deaths from Neuro-Syphilis during the year.

Deaths from Neuro-Syphilis during the last 12 years were as follows:—

1952	..	..	9
1953	..	..	7
1954	..	..	4
1955	..	..	4
1956	..	..	3
1957	..	..	—
1958	..	..	2
1959	..	..	3
1960	..	..	2
1961	..	..	2
1962	..	..	3
1963	..	..	3

The following table shows the results of Serological Tests for Syphilis:

V.D.R.L. TESTS

	Male			Female		
	No.	No. Pos.	% Pos.	No.	No. Pos.	% Pos.
Plood ..	276	54	19.6	309	42	13.6
C.S.F. ..	27	2	7.4	15	4	26.7

Occupational Therapy

The Occupational Therapy Department continues to function, its main features being handicraft, music, dancing, art classes and bingo. The patients continue to show much appreciation of this.

Recreation

During the year Cinema Shows, Police Band Concerts, and Concerts by other Visiting Artistes were staged regularly and have contributed greatly to the contented attitude of the patients.

Sports day was again held this year; the patients and staff participated.

Ward parties were again held and provided much amusement to patients.

The number of weekend leaves continued to increase and more patients were sent to the Annual Industrial Exhibition.

Buildings

A small apartment was renovated and converted into a Canteen for the patients. It is being operated by the British Red Cross Society (Barbados). The usual maintenance and upkeep of buildings was carried out.

Visitors: Official

His Excellency the Governor,
Honourable A. DaC. Edwards, Minister of Social Services,
Dr. M. A. Byer, Director of Medical Services.

Unofficial

Mrs. Phyllis Allfrey,
Boris Stein, Social Worker, Verdun Protestant Hospital,
Mr. Paul Angles, Psychiatric Social Worker, Children's Psychiatric
Clinic, Royal Victoria Hospital, Canada,
Miss Janet Thomas, W.H.O. Nursing Advisor,
Mr. Ernest C. Shortliffe, Executive Director, Presbyterian Hospital,
Pittsburgh,
Mr. Louis Lynch, President of Lions Club.

REMARKS

The Red Cross Canteen was opened in August by Mr. DaCosta Edwards in the presence of Lady Stow and others. This is much appreciated by the patients and has fulfilled a long felt need.

Intermediate and Final Examinations for the Mental Nursing Certificate of Barbados were held in July, 1963. Results were as follows:—

<i>Final Examination:</i>	20 passed	1 failed	2 did not sit
<i>Intermediate:</i>	6 passed	2 failed	—

The number of admissions continue to increase as also the number of discharges. The total last year 695, almost equals the total average population of the hospital — this average population continues to decrease and is considerably lower than it was fifteen (15) years ago. This shows an interesting yearly "turnover" and indicates that the stigma is being further reduced and that the community recognise that early admission is necessary. The average stay of new patients is small (about 6 weeks). There has been an unfortunate increase in the number of remand admissions. (This has almost doubled) 16.6% in 1963 against 9.6% for 1962. This form of admission is being abused, many cases of drunkenness, abusive language to police or causing a disturbance on the highway, need not have been sent to the Mental Hospital at all — they are usually returned to the Courts for discharge after one week's observation. Also once they have been sent to the Mental Hospital on any pretext, whenever they do anything strange or anti-social they are immediately graded as mental patients and sent in again.

I wish to thank all those who have particularly assisted me loyally and I much regret the departure of Mr. V. Boyce, Steward, who found it necessary to resign from the Service.

THE MATERNITY HOSPITAL

Miss C. Blackman - Acting Matron

STATISTICS

Admissions	..	..	..	..	752
Discharges	..	..	..	..	713
Deliveries	..	..	..	..	642
Multiple Pregnancies	..	..	..	..	6 set of twins
Premature Births	..	..	..	..	40
Baby Clinic Attendances	..	..	..	..	801
Post-Natal Attendances	..	..	..	..	420
Ante-Natal Attendances	..	..	..	..	5,680 (Old)
Ante-Natal Attendances	..	..	..	..	699 (New)
Dental Benefits Issued	..	..	..	..	176
Transfers to Barbados General Hospital	..	..	..	..	11

Reasons for transfers to B. G. H. - Adults

- 1 Caesarean Section
- 1 Transverse Lie
- 2 Ante Partum Haemorrhage
- 2 Post Partum Haemorrhage
- 1 Disproportion
- 1 Retained Placenta
- 1 Obstructed Labour
- 1 Uterine Inertia
- 1 Oliguria and Haematuria

Deaths

Infants	..	..	..	..	9
---------	----	----	----	----	---

Causes of Deaths

- 5 Prematurity
- 4 Asphyxia Neonatorum

Stillbirths	..	..	..	..	..	12
-------------	----	----	----	----	----	----

Causes of Stillbirths

- 6 Pre-eclamptic Toxaemia
- 3 Cause unknown
- 3 Unhealthy Placenta

V.D.R.L. Tests

Positive	..	..	..	55	755
Negative	..	..	..	700	

Cord Bloods

Positive	..	..	..	18	712
Negative	..	..	..	694	

THE LEPER HOSPITAL

Mr. C. E. Edwards - Superintendent

There were seven (7) male and four (4) female patients in the hospital on the 1st January, 1963, and at the end of the year the numbers were unchanged.

The following statistics are of interest:

Number of patients in residence on 1st January, 1963	11
New admissions	1
Re-admissions on compassionate grounds	-
Discharges	1
Re-discharges	-
Deaths	-
In residence on 31st December, 1943	55
In residence on 31st December, 1953	28
In residence on 31st December, 1963	11

During the year 39 former inmates presented themselves at regular intervals for medical examination. They remained in good physical condition.

The staff which numbers seventeen (17) was granted leave in accordance with the Leave Regulations, 1952.

Mr. C. E. Edwards continued in the post of Superintendent throughout the year.

The duties of Medical Officer were carried out by Dr. T. N. Blades from the beginning of the year until the 24th June when he departed for the United Kingdom on 90 days' vacation leave. During his leave of absence the duties were carried out by Dr. Peter Branch. Dr. Blades resumed duties on the 22nd September and continued in the post during the remainder of the year.

Throughout the year the duties of Chaplain were carried out by the Revd. Father K. F. Hassell.

The Matron, Miss V. E. Sealy, returned to the Island from her studies in the United Kingdom and was appointed to the post of staff nurse at the General Hospital with effect from the 16th April; during her absence the duties of Matron were carried out by Attendant, Mrs. E. R. Jules.

Mr. C. H. Riley continued in the post of Steward and Clerk from 1st January to the 31st October. He was appointed to the post of Steward, General Hospital, with effect from the 1st November.

During the months of November and December the duties of Steward and Clerk were carried out by Mr. A. C. Francis, Long Grade Clerk attached to the Office of the Director of Medical Services.

During the period under review a post of Attendant and that of Carter became vacant due to the retirement from the Public Service of the incumbents. These posts were filled by temporary appointments.

For the Financial Year 1963-64 expenditure exclusive of Personal Emoluments was as follows:-

Provisions and fuel	\$8,302.03
Clothing and uniform	1,164.86
Cleaning, water and light	1,314.11
Furniture and bedding	312.30
Medicine and dressings	1,765.90

Incidentals	752.24
Medical Boards	5.04
Stationery	39.95
Dental Treatment	144.00
Inmate labour	1,371.82
Casual labour	3,595.36
Recreation and handicrafts ..	151.80
Travelling allowance	148.12

The average daily cost per head for general maintenance was \$2.04½ and Provisions averaged \$1.52¼ each per day.

Of the sum of \$12,658 provided under the Estimates of the Department of Social Welfare for the after-care of patients discharged from Lazaretto, a total of \$12,624.75 was expended.

Inmate labour was used for the following:

Sweeping and cleaning yards, washing in the Laundry, sewing, picking fibre and making mattresses, weeding lawns and gutters, and attending to the helpless. The average number so employed was 6.

During the year 7 pairs of trousers for the patients were made at the Prisons Department.

Garments washed during the period under review numbered 5,413 while those repaired numbered 378.

The Visiting and After-care Committee functioned throughout the year with very good results.

In conclusion, I wish to record my most grateful thanks to all members of the Hospital Staff for their help and co-operation during the year.

DISTRICT HOSPITAL - OISTINS

Miss T. Harper - Sister-in-Charge

The following tables summarise the work done at the District Hospital, Oistins, during the year:

Attendances at Medical Out-Patients' Clinic - Oistins

January	67
February	67
March	98
April	62
May	115
June	161
July	138
August	99
September	72
October	210
November	246
December	63
	1,398

DISTRICT HOSPITAL - OISTINS

Month	Referred by Antenatal Clinics							Transfers				Deaths											
	Admissions	Deliveries	Discharges	Bookings	Non Bookings	Non Clinics	Number of Clinics		Oistins	Six + Roads	St. George	St. John	Enmore Health Centre	Referred by doctors	Referred by Self	Home Visits	Barbados General Hospital	Mental Hospital	Infirmaries	Neo-natal	Still births	Miscarriages	Twin delivery
							Post Natal	No. of Attend-ances															
January ..	48	50	47	50	—	8	4	35	23	12	4	1	—	8	—	—	—	—	—	1	1	—	1
February ..	46	41	49	49	—	9	4	37	22	13	3	2	—	9	—	19	—	—	—	1	—	—	—
March ..	57	48	50	48	—	15	4	36	18	17	6	1	—	15	—	13	1	—	1C	—	—	1	—
April ..	58	49	58	49	—	14	5	48	19	15	3	6	1	13	1	24	3	—	—	—	—	—	—
May ..	57	55	49	54	1	10	4	42	21	18	7	1	—	9	1	19	—	—	—	2	1	—	—
June ..	58	54	56	53	1	18	4	43	26	10	2	2	—	17	1	20	—	—	—	—	—	—	—
July ..	58	53	61	52	1	14	4	62	24	15	3	2	—	14	—	23	—	—	—	1	—	—	—
August ..	54	46	50	46	—	18	4	49	21	10	2	—	—	18	—	12	—	—	—	—	—	—	—
September ..	61	54	62	54	—	12	4	42	29	10	6	3	1	12	—	24	1	1	—	—	—	—	—
October ..	58	46	58	46	—	9	5	55	23	24	—	2	—	9	—	21	—	—	1C	—	—	—	—
November ..	53	53	46	51	2	13	4	46	21	14	4	1	—	15	—	26	—	—	—	2	—	—	1
December ..	54	52	61	51	1	10	5	45	18	20	3	1	2	10	—	6	—	—	—	—	1	—	—
Totals ..	662	601	647	603	6	150	51	540	265	178	43	22	4	149	3	207	5	1	2	7	6	1	2

C - Christ Church
G - St. George
Maternal deaths - Nil

HEALTH CENTRE, ST. MICHAEL

Dr. L. Harney, Medical Officer of Health

The main happening of the year was an outbreak of Poliomyelitis which necessitated a disruption in the work of the centre. From 27th May to 15th June (3 weeks) the routine clinics were closed because the staff had other duties in connection with the Polio outbreak. These duties were vaccination of the school children at the schools and vaccination of the general public – with special emphasis on the under 6 age group – at designated places, including the Health Centre.

Extra staff had to be engaged in order to cope with the work. Thanks are due to the Local Council nurses who gave invaluable assistance with the vaccination campaign. The Red Cross, The Child Care Committee and many individuals also gave of their services willingly.

STAFF

Mr. C. McL. Best, Laboratory Technician, returned from study leave and resumed duty in September. Mr. Best gained the Associateship of the Institute of Medical Laboratory Technology.

Mrs. B. Williams, Senior Public Health Nurse, attended a ten-hour in-service training course in Job Relations.

Miss L. Jackman, Junior Public Health Nurse, worked as Liaison Officer with WHO Nursing Personnel on the Public Health Course for District Nurses from September to November.

Miss E. Seale, Staff Nurse, attended the Public Health Course for District Nurses from September to November.

VENEREAL DISEASE CLINIC

The total attendances were twenty-two thousand, eight hundred and ninety (22,890).

Gonorrhoea

				<i>Male</i>	<i>Female</i>	<i>Total</i>
New Cases	..	..	..	1,607	597	2,204
Total Attendances	..	..	..	2,712	1,213	3,925

This disease is still rampant and there is no suggestion of control. It is disheartening to see how many persons return in a short while with a repeat attack. While the staffing situation remains as it is, it is not possible to give each individual the time – and thus the teaching – he needs.

Syphilis

				<i>Male</i>	<i>Female</i>	<i>Total</i>
New V.D.R.L. tests	..	..	..	2,871	2,648	5,519
New V.D.R.L. tests positive	..	..	..	240	233	473
Percent. New V.D.R.L. tests positive				8.4	8.8	8.6
Repeat V.D.R.L. tests on positive	..	..	..	888	918	1,806
Number of old V.D.R.L. tests now negative				288	322	610
Percentage converted to negative	..	..	..	32.4	35.1	33.8
Other V.D. Attendances	..	..	..	412	214	626
Other (i.e. repeat) attendances	..	..	..	5,464	5,550	11,014

ANTE-NATAL CLINIC

The total attendances for the year were 1,458. New cases numbered 297 an increase of 30 from 1962.

Of the 297 new attendances, 22.5 percent were primiparae. The highest number of mothers was in the age group 26 - 30 (23.2 percent), closely followed by age groups 21 - 25 and 16 - 20 both of which accounted for 22.9 percent of the total.

New Cases

Showing Age Distribution

Age Group	No. of mothers	Percentage
11 - 15	10	3.3
16 - 20	68	22.9
21 - 25	68	22.9
26 - 30	69	23.2
31 - 35	42	14.1
36 - 40	27	9.4
41 - 45	13	4.3
Total	297	

NEW CASES

(Showing for each age the number of mothers and parity)

Age of Mother	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Over 12th	Total
14	4	-	-	-	-	-	-	-	-	-	-	-	-	4
15	6	-	-	-	-	-	-	-	-	-	-	-	-	6
16	12	2	-	-	-	-	-	-	-	-	-	-	-	14
17	11	2	1	-	-	-	-	-	-	-	-	-	-	14
18	6	2	-	-	-	-	-	-	-	-	-	-	-	8
19	7	5	6	1	-	-	-	-	-	-	-	-	-	19
20	2	6	5	-	-	-	-	-	-	-	-	-	-	13
21	1	8	4	-	-	-	-	-	-	-	-	-	-	13
22	4	1	5	1	1	-	-	-	-	-	-	-	-	12
23	4	3	2	1	1	4	-	-	-	-	-	-	-	15
24	3	2	2	3	3	-	-	-	-	-	-	-	-	13
25	1	3	-	2	3	2	1	3	-	-	-	-	-	15
26	1	2	-	8	1	2	2	-	-	-	-	-	-	16
27	1	1	1	2	2	1	-	1	1	1	-	-	-	11
28	-	1	3	1	2	2	3	1	-	1	-	-	-	14
29	-	1	-	-	4	2	1	1	1	-	-	-	-	10
30	1	-	1	1	3	2	4	2	3	1	-	-	-	18

New Cases - Continued

(Showing for each age the number of mothers and parity)

Age of Mother	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Over 12th	Total
31	2	3	-	1	1	1	1	-	-	-	-	-	-	9
32	-	-	1	2	-	-	2	-	1	-	1	-	-	7
33	-	1	1	-	3	4	2	1	1	1	-	-	-	14
34	-	1	-	1	-	-	-	2	1	1	-	-	-	6
35	-	1	-	-	1	-	-	1	-	1	1	-	1	6
36	-	-	-	-	1	1	2	1	1	1	1	-	-	8
37	-	-	-	3	-	-	-	-	2	1	-	-	-	6
38	-	-	-	1	1	-	-	1	2	1	-	-	-	6
39	-	-	-	-	-	2	-	-	-	-	1	-	-	3
40	-	-	-	-	1	-	1	-	1	1	-	-	-	4
40+	1	-	1	-	2	-	1	-	2	1	3	1	1	13
Total	67	45	33	28	30	23	20	14	16	11	7	1	2	297

CHILD HEALTH CLINIC

Total attendances were 4,668 and new cases numbered 672.

The age at first attendance for the majority (40.3) was between five and eight weeks.

In April, a change over was made from Salk Polio Vaccine to Oral Vaccine. This is the Sabin Trivalent type.

Immunizations

Smallpox Vaccinations 232
 Triple Antigen 310 - had 3 injections
 (Diphtheria, Whooping Cough, Tetanus) (i.e. complete)
 186 - had 2 injections
 203 - had 1 injection
 65 - booster doses
 Polio 133 - had 3 doses (i.e. complete)
 109 - had 2 doses.
 149 - had 1 dose

CHILD WELFARE CLINIC

New Cases

Showing age at first attendance

Age Group	Number	Percentage
0 - 4 weeks ..	144	21.4
5 - 8 weeks ..	271	40.3
9 - 12 weeks ..	125	18.6
13 - 16 weeks ..	52	7.7
17 - 20 weeks ..	39	6.2
21 - 24 weeks ..	26	3.8
25 - 28 weeks ..	6	0.8
29 - 32 weeks ..	5	0.7
33 - 36 weeks ..	1	0.1
9 months ..	3	0.4
Total ..	672	

Inoculations

The total number of inoculations given was 43,700 distributed as follows:-

Smallpox	..	..	..	3,561 (Primary 802)
				(Revaccinations 2,759)
T.A.B.	..	..	..	1,443
Polio	..	..	..	38,412
Tetanus Toxoid	..	..	..	145
Diphtheria	..	..	..	9
Yellow Fever	..	..	..	130
				<u>43,700</u>

The large number of Polio vaccinations was due to the Polio outbreak referred to above. The number recorded here is the number of vaccinations which were given at the Health Centre. The total number for the parish of St. Michael was eighty-one thousand, eight hundred and eighteen (81,818). On one day (11th June) all the workers were concentrated in St. Michael and gave 15,000 vaccinations.

The total number included second and third doses. Nurses revisited the schools and gave second and third doses, but a very small percentage of the general public returned to Enmore for repeat doses because by the time these were due, the outbreak had abated.

DENTAL CLINIC

Attendances were:

School children	..	2,414
Ante-natal patients	..	150
		<u>2,564</u>

There are 3 sessions per week which are not enough to cope with the number of school children needing attention. At one time during the year the crowds were so great, with so many children having to be turned back without attention that some schools had to be requested not to send any more until the backlog had received attention.

The number of attendances is less than last year - this is because these clinics were closed for over two months of the year during the polio outbreak.

At the moment extractions only are being done and under present conditions, there can be no hope of doing conservative dentistry.

EYE CLINIC

Total attendances were 617.

This service is for school children only. At present there is a delay of 22 months before being able to see the Ophthalmologist.

T.B. CLINIC

Total attendances were 1,457.

X-RAY DEPARTMENT

The total number of persons X-rayed was 7,636.

Miniature films	..	6,101
Large films	..	1,535
Total	..	<u>7,636</u>

Of this total, 3,670 were emigrants and 86 were follow-up persons from R.C.G. tests.

B.C.G. Programme

The following table summarizes the work done in 1963:

		School children	Others	Total
No. tested	.. ..	9,298	1,442	10,740
No. Positive	.. ..	1,212	625	1,837
Percentage Positive	.. ..	13	52.9	17.5
No. vaccinated	.. ..	7,040	694	7,734
No. Negative not vaccinated		57	7	64
No. not read	.. ..	989	116	1,105

Home Visits

These numbered 354.

PUBLIC HEALTH LABORATORY & SANITATION DEPARTMENT

The reports of these two sections are submitted separately.

Visitors

Visitors to the Health Centre during the year included the following:-

Dr. Miall of M.R.C., London

Dr. Standard of U.W.I., Jamaica

Dr. Garcia of W.H.O.

Professor Rosenheim of London University

Dr. Iush of M.R.C., London

Dr. Lewthwaite of Department of Technical Co-operation, London

Dr. Frothingham of Harvard University

Dr. Leedom of U.S. Public Health Service who came in connection with the Polio outbreak.

Conclusions

The total attendances for the year were 88,286. This is more than the previous year (which was 65,848) and is due to the large number of Polio vaccinations given. Every clinic, with one exception, had numbers slightly less than last year but this can be accounted for by the fact that all routine clinic work was stopped for 3 weeks during the Polio outbreak as stated above.

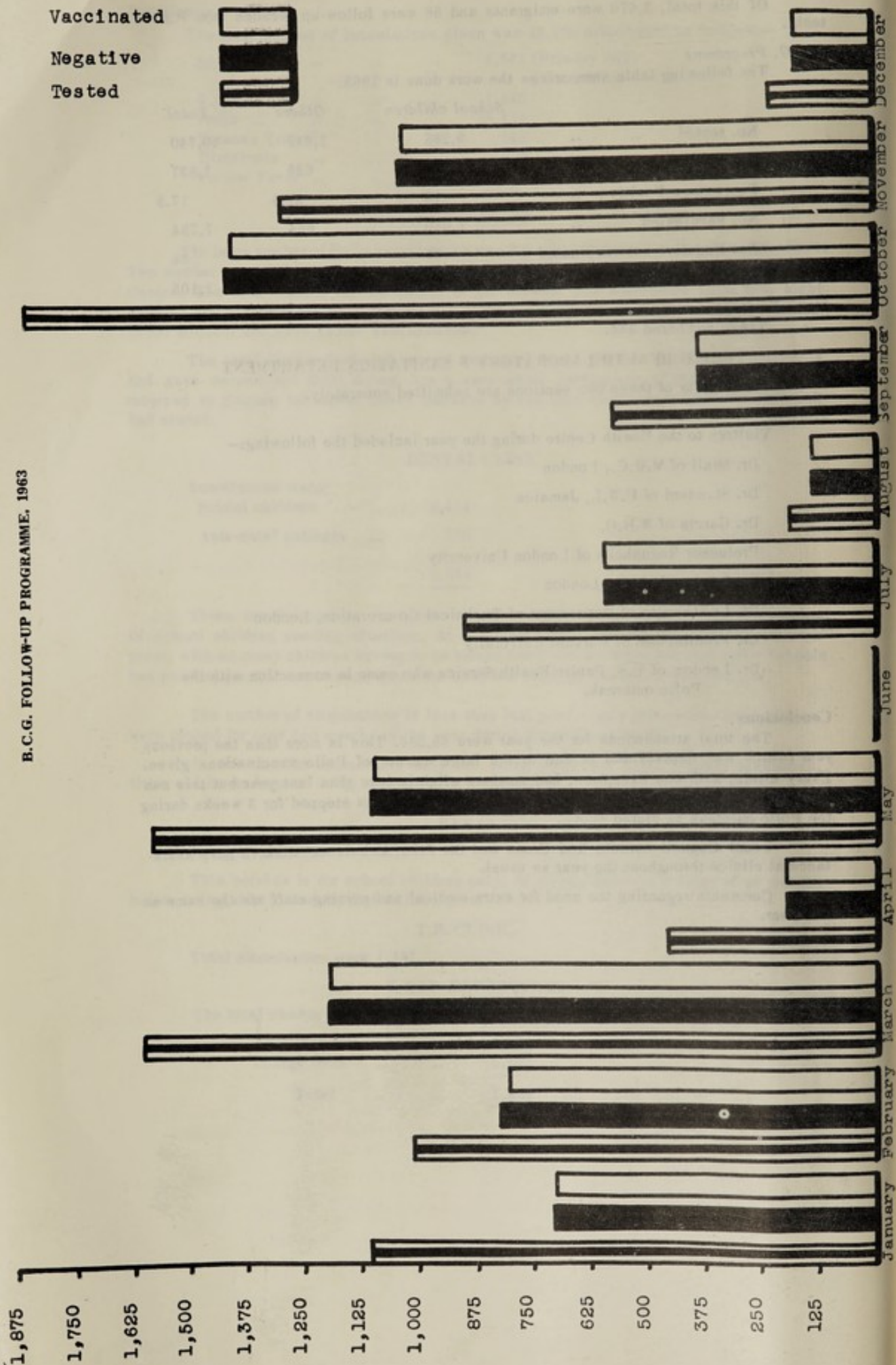
Local Council nurses, Red Cross and St. John Ambulance workers gave assistance at clinics throughout the year as usual.

Comments regarding the need for extra medical and nursing staff are the same as last year.

Vaccinated

Negative

Tested



B.C.G. FOLLOW-UP PROGRAMME, 1963

HEALTH CENTRE, SPEIGHTSTOWN

Dr. C. G. Terrell, O.B.E., E.D., Medical Officer of Health

Routine work proceeded normally at the Health Centre and out station clinics for the first four months of this year, but from towards the end of April it was seriously interrupted by an outbreak of Poliomyelitis which claimed a priority of time and effort and made it difficult to fully maintain the regular services of the Health Centre for a period of about six months, and imposed a considerable strain on the staff.

Despite this, every effort was made to ensure that all essential work continued, and although the statistical schedule shows a reduction in total figures under some of the headings compared with 1962, other totals actually record an increase, and it is satisfactory that routine work stood up quite well under rather difficult conditions.

VENEREAL DISEASES

The number of V.D.R.L. tests for the year was 1,509 compared with 1,846 in 1962 and the number would certainly have been higher but for the polio campaign.

The number of positive reactors was 282 compared with 354 in 1962, and this works out on a percentage basis at 18.68 for 1963 and compares with 19.2 for 1962, 17.9 for 1961 and 25.6 for 1960.

The number of new syphilis cases treated in 1963 was 87 compared with 81 in 1962.

Figures for Gonorrhoea for the year are 119 compared with 127 in 1962.

I can once more record that the majority of the male infected contacts appear to reside in the Bridgetown-St. Michael area.

MATERNAL AND CHILD HEALTH CLINICS

Attendances during the year at both these clinics have been satisfactory and interest well maintained.

Figures for the ante-natal clinic at 947 compare with 1,000 in 1962, but figures for the child welfare clinic show a considerable increase at 4,560 compared with 3,611 in 1962. This increase is partly accounted for by a larger number of infants receiving polio immunisation, but the triple antigen figures are also better.

DENTAL CLINIC

Dr. R. Greaves has continued in charge of the clinics which are normally held on Tuesdays and Thursdays and mostly attended by school children except during the holidays. Attendances at this clinic fell to 2,025 as against 2,767 in 1962.

EYE CLINIC

These fortnightly clinics with Mr. H. N. St. John in charge functioned up to the month of July, and from that time have been entirely discontinued, and the number attending this year was 218 only, compared with 462 in 1962.

Even when these clinics are held regularly throughout the year they are quite inadequate to cope with the large numbers on the register awaiting examination.

Applications are still being received and the register shows that they are nearly two years in arrears.

It would appear that the establishment of an adequate eye clinic service to cope with the considerable number of school children requiring help is badly needed.

DIABETIC CLINIC

There were 62 names on the 1963 register. As previously recorded, attendances by the diabetic patients are, for the most part, erratic and unsatisfactory, and hardly any of them keep to their instructions for regular attendance to avail themselves of the facilities for sugar tests and for their insulin injections.

A special diabetic clinic is held every Tuesday, when an accurate urine analysis check up is done for all diabetic patients attending by a Senior Laboratory Technician from Enmore Health Centre.

Despite this, owing to their irregular attendances for treatment, it is very difficult to estimate accurately the dose of Protamine Zinc Insulin required for each patient, and this often has to be varied in the light of their actual and prospective attendances.

The number of attendances for insulin treatment was 3,886 which shows an increase over the figure of 3,884 for 1962, but is nothing like the total it should have been if all the patients had returned for the full treatments prescribed.

FAMILY PLANNING

Attendances by women seeking help over Family Planning again fell to 248 in 1963 compared with 328 in 1962 and 589 in 1961.

The reason for the fewer attendances – as explained in my 1962 report, is due to the regular Friday afternoon clinic having been discontinued following a smaller allocation by Government in 1962 for expenditure under this heading. There is reason to believe that some who might have attended here have done so at Enmore Family Planning Centre. Now that the Government's Grant has been restored, and if there is sufficient demand, it may be advisable to re-establish the clinic at Speightstown.

Country Clinics

Out-station clinics have been held regularly throughout the year at Belleplaine, Hillaby and Chimborazo, and the attendances and activities separately recorded in the monthly reports.

The Golden Egg Lodge building at Chimborazo where the clinics are held is unfortunately rather unsuitable and uncomfortable for the purpose, but apparently no other building is available.

Vaccinations, Inoculations and Immunizations

The figure for 1963 is 21,287 which compares with 18,889 in 1962 when the vaccination campaign against smallpox was undertaken.

The total covers protection given against Smallpox, Typhoid, Paratyphoid, Tetanus and Diphtheria and by far the largest proportion must be attributed to oral vaccine immunizations against Poliomyelitis and more details of this campaign are recorded later.

The valuable work of protecting babies and young children against Diphtheria, Tetanus and Whooping Cough with Triple Antigen vaccine continued throughout the year and figures for 1963 show an increase at 1,153 compared with 1,093 in 1962.

A special effort was made to extend and complete immunization against Poliomyelitis for all attending the Child Welfare clinics, and the figure shows a considerable increase from 683 in 1962 to 2,289 in 1963. This figure concerns the Child Welfare Clinic and is distinct from that recorded in the general Anti-Poliomyelitis Campaign.

Home Visits

Considering disorganisation resulting from the Poliomyelitis Campaign, I think that the figure of 824, which shows only a small fall from the figure of 911 in 1962 is satisfactory.

PUBLIC HEALTH COMMITTEE NORTHERN DISTRICT COUNCIL

I have again attended all these committee meetings during the year and done my best to advise and help over Public Health matters and to raise standards. Any suggestions I have made have been well received and supported at the meetings, but it is disappointing to find that few of them are implemented.

At times it is rather difficult to discern any marked improvement since the introduction of the Local Government system over the old vestry system as far as certain aspects of Public Health are concerned.

Poliomyelitis

Towards the end of April there was an outbreak of Poliomyelitis in St. Michael which within a month or two had spread throughout the island.

The total number of cases was 79 with 4 deaths and by far the greater number infected were in the younger age group.

Although the number of cases at 79 was not excessive, it is certain that but for the very energetic measures taken to protect the population against further spread of the disease, the number would have been far greater.

By the early part of May it had spread to the Northern District, with the first case at Hillaby, St. Andrew, followed by one at Farmers Tenantry, St. Thomas, and then Shermans in St. Lucy—others later. There was no possible connecting link of infection between these cases, but this appears to be typical of the curious way in which this disease is disseminated by the wild Poliomyelitis Virus which was responsible.

For the purpose of immunization Trivalent Oral Poliomyelitis vaccine was used throughout the campaign. Three doses as far as possible given at six weekly intervals. The campaign was in full swing early in May with large numbers of the general public applying daily for their dose of vaccine at the Health Centre and outlying clinics, and this service was made available to them until November, when by that time, apart from the children attending the Child Welfare Clinics, 9,010 doses had been administered to individuals in this category.

In planning the campaign it was decided that the schools should be one of the first objectives, and their first round started on May 20.

There are 56 schools in the six northern district parishes and three full rounds of all the schools were completed between May 20 and the end of October. The average number of children was 12,539 for each round and a total number of 37,616 doses of vaccine was given during this school campaign.

In the early part of June the number of certified cases of Poliomyelitis—especially among young children was definitely on the increase, and it was decided to carry the campaign more into outlying areas in the parishes. With this in view, two centres in schools in each of the six parishes were set up for two days and the local population notified as much as possible.

This however was a failure and only 1,060 availed themselves of it.

A more ambitious and better organised project with more centres in each of the parishes was arranged for June 13 and it was advertised by the newspapers, Rediffusion and on the day of the project, by loud speakers from two cars which toured the areas.

This proved very successful and 17,606 persons of all ages were given their prophylactic dose of vaccine, and I think this made a significant contribution towards checking undue spread of the disease.

A very special effort was made all through the campaign to concentrate on the younger and more susceptible age group, and ensure as far as possible that they were protected.

This was done at the Health Centre and out station clinics and home visits—also at the special projects, and surprisingly, nearly two thousand under six years of age were found and protected during the rounds of the schools.

With Dr. Byer's help a fairly accurate estimate of the total population in the age group under one year to six years of age was arrived at—a total of 8,218.

I kept a separate and careful record of all these children who were given prophylactic treatment and the total figure was 7,640 which works out at 92.36 of the population in this age group and I thought this figure was very satisfactory.

By October the outbreak had completely subsided and we were able to return to normal routine work again.

Before concluding these notes on the Poliomyelitis Campaign I would like to refer to Dr. Leedom's visit here from U.S.A. towards the end of May for two or three weeks. Dr. Leedom is a W.H.O. Specialist in Virus Diseases. While he was here he took blood specimens and rectal swabs from a number of young children in different parts of the island in order to confirm the type of virus.

His interest in our problems and his advice and help were much appreciated.

STAFF

Medical Officer of Health

Dr. C. G. Terrell remained in charge of the Health Centre during the year.

Senior Public Health Nurse

Nurse M. Mayers proceeded on 5½ months leave out of the island from the end of February until July, and during her absence Nurse U. Clarke acted as Senior Public Health Nurse, and bore the brunt of the Poliomyelitis Campaign. She reverted to Junior Public Health Nurse duties on Nurse Mayers' return.

Stenographer

Mrs. P. Edwards who had held this post since July 1957 was transferred to Town and Country Planning Office in November of last year and Miss M. Trotman was appointed in her place.

Chief Public Health Inspector

Mr. L. G. Harris held this appointment until September when he was transferred to Enmore Health Centre to supervise the Aedes Eradication Campaign.

Mr. E. Baird was appointed in his place and took up his duties on December 2.

Dr. M. A. Byer, Director of Medical Services

It was with regret that we learned of Dr. Byer's resignation as Director of Medical Services from September 1st, and a farewell party was arranged which took place at Speightstown Health Centre on August 31.

This function was shared by the three Health Centres, and it was particularly appropriate that it should have taken place at Speightstown Health Centre where Dr. Byer held the post of Medical Officer of Health from the time of his first appointment in Barbados in 1953 until his appointment as Director of Medical Services in 1956 and he was responsible for all the pioneer work in opening up this Health Centre.

STATISTICAL SCHEDULE

Month	Patient Attendances	New Syphilis	V.D.R.L. Tests	Positive V.D.R.L. Tests	Conor-rhoea Cases	Chan-croid Cases	New Ante-Natals	New Infants	Vaccina-tions & Inocula-tions	Insulin Treat-ment	L.T.P.P. Immu-nisa-tions	Polio Injec-tions	Home Visits
January ..	1,649	3	152	24	10	-	24	42	64	297	144	278	128
February ..	1,551	4	116	25	5	-	17	44	66	264	194	233	63
March ..	1,697	4	125	28	8	-	16	45	53	314	141	155	130
April ..	1,428	5	94	19	5	-	14	41	70	342	143	200	117
May ..	3,258	2	94	13	6	-	21	37	1,665	393	102	306	25
June ..	5,899	2	25	5	11	-	15	42	4,120	369	89	392	-
July ..	6,535	11	200	33	18	-	27	42	1,944	376	-	220	-
August ..	1,423	32	186	45	16	-	23	36	690	380	13	125	149
September ..	1,284	3	117	25	7	-	15	20	143	335	80	121	44
October ..	1,772	10	170	33	13	-	29	24	11,381	381	80	109	2
November ..	1,440	7	139	20	11	-	28	35	1,059	250	103	86	109
Decem ber ..	1,021	4	91	12	9	-	14	26	32	185	64	64	57
Total ..	26,957	87	1,509	282	119	-	243	434	21,287	3,886	1,153	2,289	824

TABLE I

Infant Clinic

(To show number of occasions on which mothers attended before delivery)

Number of Attendances	1	2	3	4	5	6	7	8	9	10	11	12
Mothers	39	36	40	28	24	23	16	5	2	4	1	2

TABLE II

(To show age group to which expectant mothers belong)

Age Group	10-14	15-19	20-24	25-29	30-34	35-39	40-45	45
Mothers	3	47	58	34	45	30	6	1

TABLE III

(The result of the V.D.R.L. Tests done for mothers attending Ante-natal Clinic)

<i>Negative</i>	<i>Positive</i>	<i>Test not done</i>
209	12	Nil

TABLE IV

Outcome of the Pregnancies

Live Births		Twins	Abortions	Miscarriages	Still Births
<i>Male</i> 112	<i>Female</i> 99	2	2	3	5

TABLE V
Immunizations

	Completed	Started but not yet completed	Not yet started
<i>Polio</i>			
2 years and over ..	461	433	128
	194	124	—
<i>Triple Antigen</i>			
2 years and over ..	261	247	144
	11	16	—

TABLE VI

(To show the age/weight of infants at first attendance)

Weight in lbs.	Age (in months) at 1st attendance								
	1	2	3	4	5	6	7	7+	2 years
4	—	—	—	—	—	—	—	—	—
5	4	—	1	—	—	—	—	—	—
6	3	—	—	—	—	—	—	—	—
7	8	1	—	—	—	—	—	—	—
8	8	7	4	—	—	—	—	—	—
9	28	14	1	1	1	—	—	—	—
10	14	20	4	4	—	—	1	—	—
11	11	25	8	3	—	2	—	1	—
12	6	30	20	1	—	—	2	4	—
13	—	14	14	6	1	—	—	1	—
14	—	6	13	4	3	2	1	1	—
15	—	1	10	5	5	—	3	2	—
16	—	1	4	3	4	2	3	2	1
17	—	2	3	2	2	—	5	4	1
18+	—	—	1	2	3	1	1	25	1

HEALTH CENTRE, SIX CROSS ROADS

Dr. A. V. Wells, O.B.E., Medical Officer of Health

GENERAL

The most notable event during the year was the outbreak of poliomyelitis, resulting in 30 cases being notified in the Southern District. A mass immunisation campaign was instituted. Details of the numbers immunised will be found later in this Report.

STAFF

Dr. A. V. Wells continued throughout the year as Medical Officer of Health. Miss M. I. Barrett continued as Senior Public Health Nurse, and Mr. C. E. Haynes as Chief Public Health Inspector.

Dr. C. L. Hutson carried out the duties of part-time Visiting Physician to the Six Cross Roads Health Centre where he ran the Venereal Diseases and Diabetic Clinics.

Mr. H. N. St. John held fortnightly Ophthalmic clinics up to 18th July, after which the clinics were discontinued.

Dr. L. B. Bannister continued running the St. Augustine Clinic.

Drs. J. Smith and T. E. Talma were responsible for the Dental Clinics which were held twice weekly at the Six Cross Roads Health Centre during the school terms.

Miss L. Beckles, Staff Nurse, attended a course in Public Health Orientation, organised by W.H.O. in Barbados from 23rd September to 23rd November.

Mrs. H. Millington, Public Health Nurse, gained experience in record keeping, by visiting the Records Office, General Hospital, between February and April.

Miss I. Barrett, while on vacation leave in the United Kingdom, attended the Summer School in Health Education, North Wales from 13th to 23rd August.

CLINICS

Throughout the year clinics were held at the following stations as indicated:

Six Cross Roads, St. Philip	— daily
Gall Hill, St. John	— Monday mornings
St. Augustine, St. George	— Wednesday afternoons
Oistins, Christ Church	— Tuesday, Wednesday and Thursday mornings
Glebe, St. George	— Friday afternoons.

SERVICES

The following services were offered throughout the year at the various stations in the District:

(i) Health Education

As in previous years Health Education was an important part of the services offered. Individual and group instruction was given by the Nurses in all aspects of Public Health, and the Public Health Inspector and other members of the staff gave talks on matters of Public Health interest to community groups. Health Education films were shown from time to time.

(ii) Ante-Natal

Clinics were held twice weekly at Oistins, weekly at Six Cross Roads and fortnightly at the other stations.

All expectant mothers were given a routine blood test for syphilis and, where necessary, were treated. Regular checks were made on their

weight, blood pressure and urine, and they were given individual and group instructions on the hygiene of pregnancy and on infant care. Normal cases were encouraged to make use of the available delivery services in the District, and in particular of the Oistins District Hospital. Mild toxæmias were admitted, in the first instance, to the District Hospital; more serious cases were sent to the General Hospital.

Table I gives the number of new cases, the total attendances and the average attendance per case at each station for the year. The 1962 totals are included for purposes of comparison. It is gratifying to note an increase in the number of new cases and in the average attendance per case.

TABLE I

	Six + Roads	Gall Hill	St. Augustine	Glebe	Oistins	Total 1963	Total 1962
New Cases ..	263	76	36	110	286	771	724
Attendances ..	1,634	330	108	439	2,196	4,707	3,530
Average attendance per case ..	6.2	4.3	3	3.9	7.6	6.2	4.9

The age distribution of the new cases is shown in Table II.

TABLE II

Ante-natal Cases by Age Group

Stations	Under 15	15-19	20-24	25-29	30-34	35-39	40+	Total
Six + Roads	7	80	74	46	34	17	5	263
Gall Hill ..	1	27	16	10	12	8	2	76
St. Augustine ..	—	12	8	5	4	2	5	36
Glebe	2	34	31	15	14	12	2	110
Oistins ..	2	98	66	50	36	28	6	286
Total 1963 ..	12	251	195	126	100	67	20	771
Total 1962 ..	9	197	184	139	94	72	29	724

Table III shows the results of blood tests by age group. It will be noted that the percentage positivity fell from 10.4 in 1962 to 8.3 in 1963.

TABLE III
Ante-natal Cases with Positive S.T.S. by Age Group

Age Group	Six + Roads	Call Hill	St. Au- gustine	Glebe	Oistins	Total 1963	Total 1962
Under 15	7	1	-	2	2	12	9
No. Positive ..	-	-	-	-	-	-	-
% Positive ..	-	-	-	-	-	-	-
15 - 19	80	27	12	34	98	251	197
No. Positive ..	4	-	1	1	5	11	8
% Positive ..	5	-	8.3	2.9	5.1	4.3	4.1
20 - 24	74	16	8	31	66	195	184
No. Positive ..	-	-	-	-	3	3	19
% Positive ..	-	-	-	-	4.5	1.5	10.3
25 - 29	46	10	5	15	50	126	139
No. Positive ..	5	1	-	-	4	10	13
% Positive ..	10.8	10	-	-	8	7.9	9.4
30 - 34	34	12	4	14	36	100	94
No. Positive ..	4	7	1	2	7	21	12
% Positive ..	11.7	58.3	25	14.2	19.4	21	12.8
35 - 39	17	8	2	12	28	67	72
No. Positive ..	3	1	-	2	8	14	16
% Positive ..	17.6	12.5	-	16.6	28.5	20.8	22.2
40 +	5	2	5	2	6	20	29
No. Positive ..	1	-	-	2	2	5	7
% Positive ..	20	-	-	-	33.3	25	24.1
Total No. ..	263	76	36	110	286	771	724
No. Positive ..	17	9	2	7	29	64	75
% Positive ..	6.4	11.8	5.5	6.3	10.1	8.3	10.4

Table IV gives the parity of the cases seen at the Ante-natal Clinics:

TABLE IV
Parity of Ante-Natal Cases

No. of Pregnancy:	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	Total
<i>Clinics:</i>															
Six + Roads	61	42	41	29	21	18	17	14	7	7	3	1	2	-	263
Gall Hill ..	19	8	12	11	5	5	4	4	2	2	2	-	1	1	76
St. Augustine	11	6	3	4	2	4	1	2	2	-	1	-	-	-	36
Glebe ..	36	14	13	11	6	13	5	6	2	1	3	-	-	-	110
Oistins ..	70	54	45	26	26	16	27	6	9	3	3	-	-	-	285
Total: 1963	197	124	114	81	60	56	54	32	22	13	12	1	3	1	770
Total: 1962	137	128	118	81	68	56	38	26	21	15	16	11	2	7	724

(iii) *Child Health*

There were 1,018 new cases registered at the Clinics during the year as compared with 954 during 1962, while total attendances numbered 8,306 as against 7,407 in the previous year. Figures are shown in Table V.

TABLE V
Child Health Attendances

	Six + Roads	Gall Hill	St. Augus- tine	Glebe	Oistins	Total 1963	Total 1962
New Cases ..	301	147	86	140	344	1,018	954
Attendances ..	2,530	1,111	798	953	2,914	8,306	7,407

Table VI shows the age at first attendance of the new cases:

TABLE VI
Age at first Attendance

Clinics	Age in months								Total 1963
	0-1	1+	2+	3-5	6-8	9-11	12-14	15+	
Six + Roads	60	65	71	67	21	8	7	2	301
Gall Hill ..	15	32	47	33	12	4	3	1	147
St. Augustine	7	6	15	32	21	2	2	1	86
Glebe ..	3	17	32	54	29	5	-	-	140
Oistins ..	30	148	52	62	37	4	7	4	344
Total ..	115	268	217	248	120	23	19	8	1,018

(iv) Immunisations

Routine immunisations at Child Health Clinics consisted of administration of triple (D.P.T.) poliomyelitis and smallpox vaccines. Prior to May Salk Poliomyelitis Vaccine was used, but from May onwards oral trivalent vaccine was employed.

Table VII shows the routine immunisations carried out at the Child Health Clinics.

TABLE VII
Immunisations

Clinic	D. T. P.				Polio			Smallpox
	1st	2nd	3rd	Booster	1st	2nd	3rd	
Six + Roads	211	157	119	51	434	275	178	123
Gall Hill ..	88	67	46	13	227	110	76	47
St. Augustine ..	75	70	46	13	139	80	51	49
Glebe	70	56	40	17	161	79	74	63
Oistins	208	128	107	38	330	184	160	172
Total	652	478	358	132	1,291	728	539	454

In the second quarter of the year an outbreak of poliomyelitis occurred and mass immunisation with oral vaccine was offered. During the outbreak other immunisations were suspended.

The number of polio immunisations carried out during the Mass Campaign in the Southern District is shown in Table VIII.

TABLE VIII
Mass Polio Immunisations

Parishes	No. of Schools	No. of school children vaccinated	No. of General Public vaccinated
St. Philip ..	16	9,766	2,919
St. John ..	9	5,186	1,113
St. George ..	11	7,093	767
Christ Church ..	23	12,134	4,369
Total ..	59	34,179	9,168

In addition 35 primary and 109 smallpox revaccinations were carried out on adults, the majority being for travel purposes.

*(v) Venereal Disease Services**(a) Screening for Syphilis*

During the year 2,276 blood samples from new cases and 363 from repeat cases were examined for evidence of syphilis. Of the new cases 142 or 6.2% were found to be positive; while of the latter 100 or 27.5% had reverted to negative. Details are shown in Table IX.

TABLE IX
Blood Tests for Syphilis

Clinic	New cases			Repeat Cases		
	No.	No. Pos.	% Pos.	No.	No. Neg.	% Neg.
Six + Roads	810	38	4.7	102	36	35.2
Gall Hill ..	368	19	5.1	85	22	25.8
St. Augustine	163	6	3.6	25	7	28.0
Glebe ..	292	21	7.1	49	4	8.9
Oistins ..	643	58	9.1	102	31	30.3
Total: 1963	2,276	142	6.2	363	100	27.5
Total: 1962	2,642	251	9.5	506	110	21.7

It should be noted that the figures in Table IX include those shown in Table III.

Table X gives the diagnosis of the 142 new positive cases.

TABLE X

Sex	Prim-ary	Second-ary	Early Latent	Late Latent	Cardio-vascular	Neuro	Con-geni-tal	Pend-ing	Total
Male ..	1	1	7	14	1	2	11	8	45
Female ..	—	2	21	55	2	1	6	10	97
Total	1	3	28	69	3	3	17	18	142

(b) Gonorrhoea

During the course of the year 30 new cases of gonorrhoea were treated; of these 27 were males and 3 females.

(vi) School Health Services:

(a) Eye Testing

The Ophthalmic Surgeon Specialist paid fortnightly visits to the Six Cross Roads Health Centre up to the middle of July. No visits were paid thereafter. The number of children seen was 319 as compared with 607 during the previous year.

(b) Dental Services

Each of the two Dental Surgeons paid weekly visits to the Six Cross Roads Health Centre. At these clinics expectant mothers as well as school children received attention. The number of cases treated in 1962 and 1963 are shown in Table XI.

TABLE XI
Attendances at Dental Clinics

				1963	1962
School children	..	..	..	868	1,094
Antenatal	..	..	..	408	476
Total	..	..		1,276	1,570

The fall in the number of dental patients is due to the fact that clinics were suspended during the outbreak of poliomyelitis.

(vii) Laboratory

The laboratory work is directed and supervised by the Public Health Laboratory Service, and details of the work done will be found in the Laboratory Report.

(viii) Home Visiting

Owing to the pre-occupation of the Nursing Staff with the poliomyelitis vaccination campaign, it was not possible for as much Home Visiting to be undertaken as in the previous year. Details for 1962 and 1963 are shown in Table XII.

TABLE XII
Home Visits

Year	Six + roads	Gall Hill	St. Augustine	Glebe	Oistins	Total
1963	184	108	49	58	332	731
1962	230	140	101	109	506	1,086

(ix) Family Planning

Advice on Family Planning was given, when required, throughout the year. The number of new cases advised was 237 as compared with 359 in 1962.

CHIEF PUBLIC HEALTH INSPECTOR

The following is a summary of the work carried out during the year by the Chief Public Health Inspector:

(i) Environmental Hygiene

During the year 37 Primary Schools were inspected; special attention was paid to the state of repair of the buildings and the general sanitary arrangements. Reports were forwarded to the Department of Education, and the Public Works Department was notified of any defects which could be remedied immediately.

The Engineering Unit of the Medical Department assisted greatly in the improvement of Latrine accommodation in the Area, although much more improvement is needed in this direction. With the assistance of the Public Health Inspectors of the Council, 402 units were installed in the various parishes as follows:

Christ Church	..	229
St. George	.. ..	79
St. Philip	.. ..	51
St. John	.. ..	27
St. Michael (South)	..	16
		402

(ii) *Scavenging*

On the whole, householders are making more demands on this service as can be seen by the amount of refuse being placed alongside the roads. Sometimes the refuse remains there for days. It would appear that the number of scavenging trucks being used is inadequate. The disposal of refuse is causing much concern; refuse dumps are usually located in built up areas and refuse is indiscriminately dumped on these sites without any proper control; as there is no material for covering, nuisances are created. This is especially evident in the parish of Christ Church.

(iii) *Aedes Aegypti Eradication Programme*

The programme continued throughout the year but with indifferent success. This can be attributed to several factors, namely:

- (a) the absence of proper legislation;
- (b) the non-co-operation of some householders;
- (c) the unsatisfactory disposal of tins, bottles, etc;
- (d) the long cycle of treatment and inspection which is usually between three and four months. The number of houses found breeding in the area was as follows:

Christ Church	..	162
St. Michael (South)	..	110
St. Philip	.. ..	50
St. George	.. ..	40

The parish of St. John was negative throughout the year. During the latter part of the year the whole programme was reorganised after which some improvement was observed.

(iv) *Notifiable Diseases*

Seventy-four notifications of infectious diseases were received as follows:

Poliomyelitis	.. ..	30
Pulmonary Tuberculosis		19
Leptospirosis	.. ..	12
Diphtheria	.. ..	7
Enteric Fever	.. ..	6
		74

Visits were paid to the houses where these cases occurred and the appropriate preventive measures were taken and advice given to the occupants.

T.A.B. inoculations were given to the people living in the area where Enteric cases occurred. A Poliomyelitis Immunisation Campaign was carried out throughout the area.

(v) Water Samples

Water samples for bacteriological examination were taken regularly throughout the year from Seawell Airport, Reservoirs and Pumping Stations in the area.

The number of samples tested was 211; of these 25 proved suspicious on first examination, but on repeat examination all were found to be satisfactory.

(vi) Nuisances

Several complaints of nuisances were reported. These included such things as mosquitoes, flies, refuse disposal and offensive odours. All of these complaints were investigated and appropriate advice given. When necessary these matters were drawn to the attention of the Public Health Inspectors of the Southern District Council.

SOUTHERN DISTRICT COUNCIL

All meetings of the Public Health Committee were attended by the Medical Officer of Health and the Chief Public Health Inspector. At these meetings draft Bye-laws made under the Public Health Act were approved, and various matters of Public Health interest were discussed.

It is a pleasure to record, again, the close co-operation which at all times was extended by the Committee to the Health Officers of the Central Government.

Visitors

The following were among those who visited the Six Cross Roads Health Centre during the year:

Sir Eric and Lady Emmington, House of Commons, England.

Cecil G. Sheps, Professors of Medical & Hospital Administration, University of Pittsburgh.

E. Frothingham, Harvard School of Public Health.

K. D. Rogers, University of Pittsburgh.

Public Health Inspectors from St. Lucia, St. Vincent and St. Kitts.

THANKS

Throughout the year work went smoothly; this was due to the keenness, efficiency and co-operation of all members of the staff, to whom sincere thanks are due.

LOCAL GOVERNMENT INSTITUTIONS

Routine annual inspections were made at each of the Infirmaries.

The medical care of the poor in the parishes was efficiently carried out by the District Medical Officers.

NURSING SERVICES

The General Nursing Council functioned throughout the year.

No. admitted to Register (general nurses)	..	26
---	----	----

No. admitted to Roll (Midwives)	..	22
---------------------------------	----	----

Of the nurses 10 were trained at the Barbados General Hospital and of the midwives 13 were trained at the Maternity Hospital. The others received their training abroad.

The Barbados Nurses' Association operates an employment bureau and administers a Government Grant of \$5,960 under the supervision of the Director of Medical Services.

Part VIII. GENERAL AND COMMUNICABLE DISEASES

Figures in this part of the Report and the statistical tables in the Appendices refer to the calendar year 1963.

GENERAL DISEASES

		1962		1963	
		Deaths	% of total deaths	Deaths	% of total deaths
Diseases of Circulatory System	..	530	25.05	436	20.86
Diseases of Nervous System	.. ..	341	16.12	360	17.22
Neoplasms	.. ..	236	11.15	240	11.48
Diseases of Early Infancy	.. ..	225	10.63	254	12.15
Diseases of Respiratory System	..	183	8.65	163	7.80
Senility and Ill-defined Conditions	..	120	5.67	109	5.22
Allergic, Endocrine System, etc.	..	102	4.82	123	5.89
Diseases of Digestive System	.. ..	93	4.39	117	5.60

More detailed information is given in the Appendices to the Report and special attention is drawn to the eight major causes of death as classified under the Intermediate International List of Causes of Death. These Statistics are shown for 1959-63.

COMMUNICABLE DISEASES

Enteric Fever: Twelve cases were reported as compared with six in 1962. Of these one died.

Parish	No. of Cases	
	1962	1963
St. Michael ..	2	6
Christ Church ..	1	1
St. Philip ..	1	—
St. John	—	3
St. George ..	—	1
St. Joseph ..	—	—
St. Andrew ..	1	—
St. Thomas ..	—	—
St. James ..	1	1
St. Peter ..	—	—
St. Lucy ..	—	—
	6	12

Tuberculosis

Year	Whole Island		St. Michael		
	Cases notified	Deaths	Cases notified	% of whole	Deaths
1962 ..	74	17	52	70.3	12
1963 ..	72	11	48	66.7	10

Diphtheria

There were 10 cases with 2 deaths reported.

Venereal Disease

Deaths from Syphilis now account for only 1.29% of total deaths. There were 27 deaths from Syphilis during the year. Two occurred within the first year of life.

Leprosy

There was one case. No deaths were reported.

Tetanus

Sixteen deaths were reported; 8 were infants under one year.

Cerebro-spinal Meningitis

There were no cases nor deaths reported.

Poliomyelitis

A fairly extensive outbreak of paralytic poliomyelitis occurred in the early part of the year under review. There were 79 cases with 4 deaths. A small scale investigation showed that the majority of cases were due to Type 1 virus. A mass immunisation campaign, in which some 169,000 doses of oral vaccine were administered, was instituted to control the outbreak.

Leptospirosis

Forty-two cases were reported. There were 10 deaths.

Malaria

The Colony remained free from Malaria.

Whooping Cough

Five deaths were reported of which 3 were infants under one year.

Details of the incidence of communicable diseases by parishes are available in Appendix II. The parish of St. Michael may be considered as Urban and the remainder Rural.

Part IX. QUARANTINE

No quarantinable diseases were reported during the year.

The ports for the most part remained free of *Aedes aegypti* Mosquitoes throughout the year.

Within the port area of the City of Bridgetown routine Rat Control measures were carried out throughout the year.

Part X. GENERAL SANITATION

The three Local Government Councils continue to be responsible for the sanitation of their respective Areas. They made several Bye-laws in accordance with the provisions of the Public Health Act 1954. These were submitted to Central Government for Cabinet approval.

Part XI FOOD

SUPPLIES AND NUTRITION

The general nutrition of the adolescent and adult population is reasonably good. There is, however a fair amount of malnutrition, particularly in the lower socio-economic groups, among young infants and young children. Deaths in the age group 0-4 years number about one quarter of all deaths, and most of these are attributable to malnutrition, gastro-enteritis or broncho-pneumonia.

Part XII. SCHOOL NUTRITION PROGRAMME

The pilot scheme of providing a well balanced mid-day meal at three schools continued throughout the year and operated successfully. It is proposed to extend the scheme to more schools in the near future.

Part XIII. SCHOOL HEALTH SERVICES

Eight thousand, five hundred and thirty-eight (8,538) children received dental care, and 655 were treated for visual defects, 529 of whom were provided with spectacles; 117 children had their spectacles repaired and 9 had replacements.

Part XIV. HEALTH EDUCATION

Throughout the year education in health matters was offered as one of the routine services at the Health Centres. In addition a film on eradication of the *Aedes aegypti* mosquito, entitled "Danger on Wings", was produced by the Visual Aids Section of the Education Department. This film has been shown throughout the island by the Mobile Cinema Unit, and always had an excellent reception.

Part XV. W.H.O. PERSONNEL

Dr. P. I. Boyd was appointed PAHO/WHO Area Representative and took up residence in Barbados in April, 1963. To Dr. Boyd, Mr. James Allen, Mr. Carlton Gilkes and Miss Norah Cunningham, the resident W.H.O. staff and to all the other members of the Organisation, the Department wishes to record its grateful thanks for assistance and advice.

Part XVI. CONFERENCES

The following attended the Conference of the Standing Advisory Committee for Medical Research in the British Caribbean which was held in Trinidad from 27th to 30th April:

Dr. M. A. Byer, O.B.E., Director of Medical Services.

Dr. W. Terajewicz, Assistant Superintendent, Mental Hospital.

Dr. A. W. Trieloff, Ear, Nose and Throat Surgeon, Barbados General Hospital.

Part XVII. FINANCE

The following financial statement of expenditure and revenue is for the year 1963-64:

Director of Medical Services	\$ 199,591
General Hospital	2,240,271
Mental Hospital	670,850
Lazaretto	45,750
District Hospital Services	42,262
Health Centres	303,430
Maternity Hospital	49,737

<i>Grants:</i>	Barbados Nurses' Association	..	\$5,960
<i>Revenue:</i>	Total Medical Departments	..	\$135,839.46

Part XVIII. CONCLUSION

Dr. M. A. Byer, O.B.E., retired from the post of Director of Medical Services in October. The Department and the whole island owe Dr. Byer a deep debt of gratitude for his unswerving devotion to duty and for the vast contribution which he made towards raising the standards of Public Health, during his tenure of office, first as Medical Officer of Health and subsequently as Director of Medical Services.

Deep appreciation must be expressed to all members of the Department, in all its varied branches, for loyal and willing work and co-operation throughout the year.

A. V. WELLS
Director of Medical Services.

APPENDIX I

Dr. F. N. Grannum, M.B.E., M.B., Ch.B. (Edin.), D.T.M. & H. (Eng.) M.P. (Harvard)

Dr. F. N. Grannum continued to carry out the duties of Health Officer (Port).

Dr. J. E. Walcott carried out the duties of Assistant Health Officer (Port) until 31st August, 1963, Dr. G. M. Lorde being appointed to the post with effect from 1st September, 1963.

SHIPPING

During the year 1963, 1,764 ships were admitted to the Port of Bridgetown representing a total net tonnage of 3,803,440 tons.

This tonnage was apportioned as follows:

Total Merchant Shipping - 1,697 - 3,702,988 tons

Others - 67 - 100,452 tons

Total shipping for year - 1,764 - 3,803,440 tons

The following table shows the figures for the past five years:

Year	Number of Ships	Nett Tonnage
1958	1,129	2,024,130
1959	1,277	2,199,124
1960	1,358	2,384,269
1961	1,473	2,520,983
1962	1,705	3,374,716
1963	1,764	3,803,440

APPENDIX I - Continued

Return of Shipping for the year 1963.

MERCHANT SHIPPING

Class of Vessels	Nationality	Number of Vessels	Net Tonnage
Steam and Motor ..	British	495	898,403
	Norwegian	153	468,668
	Dutch	142	278,861
	French	133	322,707
	German	120	311,141
	Liberian	88	405,256
	Panamanian	51	78,595
	American	50	194,178
	Danish	34	76,005
	Italian	31	130,077
	Netherlandish	22	85,377
	Swedish	18	75,792
	Japanese	14	62,738
	Creek	9	51,826
	Venezuelan	8	1,133
	Canadian	4	859
	Swiss	4	10,619
	Israeli	1	632
	Russian	1	534
	Peruvian	1	3,080
		1,378	3,556,681
Tankers	Panamanian	16	48,993
	Norwegian	9	42,246
	Dutch	5	5,000
	Liberian	3	12,804
	American	1	143
	Swedish	1	15,338
	German	1	1,740
	French	1	4,971
	British	1	1,340
		38	132,575
Sailing Vessels ..	British	267	13,234
	American	12	398
	Venezuelan	1	6
	Canadian	1	94
		281	13,732
TOTAL MERCHANT SHIPPING		1,697	3,702,988

APPENDIX I - *Concluded*

Class of Vessel	Nationality	Number of Vessels	Nett Tonnage
Yacht	British	20	322
	American	13	225
	Venezuelan	3	825
	Irish	3	32
	Belgium	2	94
	German	2	9
	French	2	21
	Panamanian	2	122
	Dutch	2	29
	Spanish	1	16
	Canadian	1	14
	Finnish	1	3
		52	1,712
Naval Ships	British	8	76,293
	American	5	18,447
	French	2	4,000
		15	98,740
TOTAL OTHER SHIPPING		67	100,452
TOTAL MERCHANT SHIPPING		1,697	3,702,988
TOTAL OTHER SHIPPING		67	100,452
TOTAL SHIPPING FOR YEAR 1963 ..		1,764	3,803,440

AIRCRAFT 1963

Nationality	Aircraft
British ..	2,905
American ..	828
Canadian ..	241
French ..	212
Venezuelan ..	31
Cuban	16
South African	4
Brazilian ..	4
Panamanian ..	1
Nigerian ..	1
TOTAL ..	4,243

APPENDIX III

CAUSES OF DEATHS ARRANGED IN PARISHES BY GROUPS FOR YEAR 1963 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

CAUSE GROUPS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	XI.	XII.	XIII.	XIV.	XV.	XVI.	XVII.	TOTAL	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		Total																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Infective and parasitic Diseases	..	..	..	..	..	..	..	..	..	Deliveries, Complications of Pregnancy, Childbirth and the Puerperium	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

APPENDIX IV

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1963 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION
SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		Total
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
A 1	Tuberculosis of respiratory system ..	001-008	3	5	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	4	5	9
A 2	Tuberculosis of meninges and central nervous system ..	010	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A 4	Tuberculosis of bones and joints ..	012, 013	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1
A 6	Congenital syphilis ..	020	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
A 9	General paralysis of insane ..	025	3	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	4
A 10	All other syphilis ..	022, 023 } 026-029 }	8	1	1	1	1	1	1	2	2	..	..	..	2	..	..	..	..	..	..	..	2	..	17	4	21
A 12	Typhoid fever ..	040	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A 16	(a) Bacillary dysentery ..	045	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1
A 18	Streptococcal sore throat ..	051	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1
A 20	Septicaemia and pyaemia ..	053	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	3	3
A 21	Diphtheria ..	055	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2
A 22	Whooping cough ..	056	..	..	..	..	1	1	..	..	..	..	..	1	..	2	..	..	..	..	..	..	..	..	1	4	5
A 26	Tetanus ..	061	7	3	..	1	..	2	1	..	1	..	..	..	..	..	..	..	1	..	..	..	..	9	7	16	
A 28	Acute poliomyelitis ..	080	2	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	4	..	4	
A 32	Measles ..	085	..	1	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	1	..	2	2	4	
A 34	Infectious hepatitis ..	092	..	2	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	2	3	5	
A 43	(b) Leptospirosis icterohae morrhagica (Weil's disease) ..	072	5	..	2	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	9	1	10	
(1) All other diseases classified as infective and parasitic ..		110-138	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	1
A 45	Malignant neoplasm of oesophagus ..	150	8	2	2	2	..	1	..	..	..	..	2	1	..	..	1	..	1	..	..	..	1	1	15	7	22
A 46	Malignant neoplasm of stomach ..	151	14	10	3	1	1	..	2	2	1	2	2	1	1	2	1	3	2	..	2	2	1	2	30	25	55
A 47	Malignant neoplasm of intestine, except rectum ..	152, 153	2	10	..	1	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	3	13	16	

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1963 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION
SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		Total
			M		F		M		F		M		F		M		F		M		F		M		F		
A 48	Malignant neoplasm of rectum	154	5	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	3	8	
A 49	Malignant neoplasm of larynx	161	1	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	..	..	..	..	..	4	-	4	
A 50	Malignant neoplasm of bronchus, trachea and lung not specified as secondary	162, 163	5	4	1	..	..	..	1	..	2	..	1	..	..	..	..	..	1	..	..	..	..	8	7	15	
A 51	Malignant neoplasm of breast	170	..	8	..	3	..	..	..	..	..	..	2	..	..	..	2	..	1	..	..	..	-	17	17		
A 52	Malignant neoplasm of cervix uteri	171	..	10	..	3	..	1	..	2	..	1	..	1	..	2	..	2	..	2	..	..	-	24	24		
A 53	Malignant neoplasm of other and unspecified parts of the uterus	172-174	..	3	..	2	..	..	2	..	..	..	1	..	..	..	..	..	..	..	..	..	-	9	9		
A 54	Malignant neoplasm of prostate	177	2	..	1	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	5	-	5		
A 55	Malignant neoplasm of skin	190, 191	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	4		
A 56	Malignant neoplasm of bone and connective tissue	196, 197 155-160, 164	1	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	5		
A 57	Malignant neoplasm of all other and unspecified sites	165, 175, 176 178-181, 198 192-195, 199	12	20	..	3	..	3	1	..	2	..	..	..	1	1	..	..	1	..	..	..	16	29	45		
A 58	Leukaemia and aleukaemia	204	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	-	3	3		
A 59	Lymphosarcoma and other neoplasms of lymphatic and haematopoietic system	200-203	3	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	2	6		
A 60	Benign neoplasms and neoplasms of unspecified nature	210-239	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	-	2	2		
A 63	Diabetes mellitus	260	11	24	1	3	1	2	3	2	2	1	2	..	4	..	1	1	1	1	3	1	24	43	67		
A 64 (b)	Pellagra	281	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	-	1		
	(d) Other deficiency states	283-286	7	8	1	3	1	5	2	1	..	1	1	..	1	2	..	1	..	..	2	3	1	16	25	41	

APPENDIX IV - Continued

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1963 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION
SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		
			M F		M F		M F		M F		M F		M F		M F		M F		M F		M F		M F		M	F	Total
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
A 65	(a) Pernicious and other hyperchromic anaemias (c) Other specified and unspecified anaemias	290 292, 293	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	-	1
A 66	(a) Asthma	241	5	2	..	..	..	..	..	1	..	..	..	1	1	1	..	..	..	..	..	..	1	..	8	5	13
	(b) All other allergic disorders, endocrine, metabolic and blood diseases ..	240, 242-245 270-277, 253 287-289, 254 294-299	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	
A 67	Psychoses.. ..	300-309	..	3	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	2	4	6	
A 68	Psychoneuroses and disorders of personality ..	310-324	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	-	1	
A 69	Mental deficiency	325	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	-	2	
A 70	Vascular lesions affecting central nervous system	330-334	48	95	14	18	10	22	12	14	9	11	10	6	6	8	3	5	2	7	6	3	3	123	192	315	
A 71	Nonmeningococcal meningitis.. ..	340	..	3	1	1	..	1	1	..	..	..	..	..	..	..	1	1	..	1	..	1	..	3	7	10	
A 72	Multiple sclerosis	345	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	2	
A 73	Epilepsy	353	3	4	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1	..	5	5	10	
A 78	(b) All other diseases of the nervous system and sense organs	341-344, 350- 352, 354-357 360-369 395-398	11	6	2	..	..	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	15	8	23
A 79	Rheumatic fever	400-402	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	1	..	3	1	4
A 80	Chronic rheumatic heart disease	410-416	1	3	..	..	1	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	3	4	7	
A 81	Arteriosclerotic and degenerative heart disease	420-422	20	39	14	16	5	15	14	12	4	3	7	14	2	14	2	3	1	4	8	16	..	77	139	216	
A 82	Other diseases of heart	430-434	20	25	3	4	..	4	2	1	..	..	..	..	1	..	2	..	..	..	2	..	1	1	31	35	66
A 83	Hypertension with heart disease	440-443	6	16	1	4	1	1	2	..	1	..	4	3	2	..	3	2	1	4	1	1	1	23	33	56	

APPENDIX IV - Continued

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1963 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION
SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes			Total	
			M		F		M		F		M		F		M		F		M		F		M		F		M		F
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
A	84	Hypertension without mention of heart ..	444-447	1	3	2	..	..	2	..	..	1	1	2	..	2	..	2	1	1	..	..	..	5	13	18			
A	85	Disease of arteries ..	450-456	12	23	1	4	..	2	1	..	1	6	1	..	1	1	2	1	1	..	1	1	19	41	60			
A	86	Other diseases of circulatory system ..	460-468	1	5	1	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	3	6	9				
A	87	Acute upper respiratory infections ..	470-475	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2				
A	88	Influenza ..	480-483	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1			
A	89	Lobar pneumonia ..	490	3	5	3	2	..	..	1	1	..	2	..	1	..	..	..	1	..	..	1	8	13	21				
A	90	Bronchopneumonia ..	491	17	17	1	4	3	4	2	..	1	..	3	..	1	1	1	1	..	1	..	26	31	57				
A	91	Primary atypical, other and unspecified pneumonia ..	492, 493	5	6	2	2	1	..	1	1	1	1	1	1	1	..	..	..	..	..	..	12	14	26				
A	92	Acute bronchitis ..	500	1	3	..	..	..	..	2	..	..	..	..	..	..	4	2	..	..	1	..	8	5	13				
A	93	Bronchitis, chronic and unspecified ..	501, 502	6	3	..	1	..	1	1	1	..	..	1	..	1	..	..	..	..	..	1	7	9	16				
A	95	Empyema and abscess of lung ..	518, 521	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	2	..	2				
A	97	(b) All other respiratory diseases ..	511-517, 520-522, 524-527	6	9	..	3	..	1	..	1	1	1	1	1	1	..	..	..	..	..	1	9	16	25				
A	99	Ulcer of stomach ..	540	1	..	1	..	..	..	2	..	..	..	..	..	..	1	..	..	..	..	1	3	3	6				
A	100	Ulcer of duodenum ..	541	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	2				
A	101	Gastritis and duodenitis ..	543	..	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	2	3	3				
A	102	Appendicitis ..	550-553	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	2	1	3	3				
A	103	Intestinal obstruction and hernia ..	560, 561, 570	7	4	1	1	3	..	..	1	..	1	..	1	1	..	..	1	1	..	15	7	22	22				
A	104	(a) Gastro-enteritis and colitis between 4 weeks and 2 years ..	57L0	9	7	3	2	4	1	1	2	3	..	2	2	2	..	1	..	3	1	2	30	18	48				
		(b) Gastro-enteritis and colitis 2 years and over ..	57L1	1	5	2	1	..	..	1	..	..	..	1	..	..	1	..	1	..	..	4	10	14	14				
		(c) Chronic enteritis and ulcerative colitis ..	572	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	2				

APPENDIX IV - Continued

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1963 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION
SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		Total
			M		F		M		F		M		F		M		F		M		F		M		F		
A 105	Cirrhosis of liver	581 536-539, 542 544, 545 573-580, 582 583, 586, 587	5	1	2	2	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	8	3	11
A 107	Other diseases of digestive system ..	591-594 600 610	1	4	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	4	6	
A 109	Chronic, other and unspecified nephritis ..	591-594	7	3	2	1	1	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..	2	..	13	6	19
A 110	Infections of kidney	600	9	13	..	1	1	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	10	16	26	
A 112	Hypertrophy of prostate	610	9	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	11	-	11	
		601, 603 605-609, 611 612, 614-617 622-633 635-637 642, 652 685, 686 643, 644 670-672	1	3	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	3	3	6	
A 116	Toxaemias of pregnancy and puerperium ..		..	..	..	1	..	..	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	-	4	4	
A 117	Haemorrhage of pregnancy and childbirth ..		..	1	..	1	..	1	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	-	6	6	
A 118	Abortion without mention of sepsis or toxæmia ..	650	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	-	1	1	
A 119	Abortion with sepsis	651	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	-	2	2	
A 120	(a) Other complications of pregnancy, childbirth and puerperium	645-649 673-680 683, 687-689	..	4	..	..	..	1	1	..	1	..	1	..	..	..	1	..	..	..	..	..	..	-	9	9	
A 121	Infections of skin and subcutaneous tissue ..	690-698	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	3	1	4	

APPENDIX IV - Continued

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1963 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION
SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		
			M		F		M		F		M		F		M		F		M		F		M		F		Total
A 122	Arthritis and spondylitis	720-725	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	-	2	
A 123	Muscular rheumatism and rheumatism unspecified	726, 727	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	-	1	1		
A 124	Osteomyelitis and periostitis	730	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2		
A 126	(a) Chronic ulcer of skin (including tropical ulcer)	715	..	..	..	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	2	3		
	(b) All other diseases of skin	700-714, 716	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	-	2	2	2		
	(c) All other diseases of musculo-skeletal system	731-736 } 738-744 }	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	2	2		
A 128	Congenital malformations of circulatory system	754	5	1	2	..	2	..	1	..	..	..	..	..	..	..	1	..	..	..	1	1	11	4	15		
A 129	All other congenital malformation	750, 752, 753 } 755-759 }	2	1	1	1	1	1	..	..	1	..	1	..	..	1	..	..	..	1	..	..	7	4	11		
A 130	Birth injuries	760, 761	2	2	4	..	..	..	1	..	..	..	..	1	..	..	1	..	..	..	..	..	9	2	11		
A 131	Postnatal asphyxia and atelectasis	762	10	5	..	3	1	1	3	2	..	1	1	1	..	2	..	..	1	..	..	16	15	31			
A 132	(a) Diarrhoea of newborn (under 4 weeks)	764	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	-	3	3			
	(c) Other infections of newborn	763, 766-768	3	5	1	1	..	..	1	..	..	..	1	..	..	1	..	1	2	1	..	2	9	9	18		
A 133	Haemolytic diseases of newborn	770	2	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	1	..	..	5	-	5			
A 134	All other defined diseases of early infancy	769, 771, 772	16	9	5	6	6	4	3	2	4	1	..	1	2	3	2	2	1	2	..	1	39	31	70		
A 135	Ill-defined diseases peculiar to early infancy and immaturity unqualified	773, 776	24	27	5	8	4	2	3	..	6	2	7	7	1	3	4	1	1	2	3	2	2	60	56	116	
A 136	Senility without mention of psychosis	794	14	32	2	12	..	..	1	..	1	1	1	1	..	5	6	..	1	..	..	1	23	55	78		
		780-787																									
A 137	(c) All other ill-defined causes of morbidity	788.1-788.7 } 788.9, 789-792, 795 }	7	11	3	..	1	2	..	1	1	..	1	..	..	1	..	1	..	1	..	..	13	18	31		

APPENDIX IV - Continued

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1963 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION
SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes			Total	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		F
"E" CODE. ACCIDENTS, POISONINGS AND VIOLENCE																													
AE 138	Motor vehicle accidents ..	E810-835	4	3	2	..	..	..	3	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..	10	5	15		
AE 139	Other transport accidents ..	E800-802 E840-866	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	2	2	
AE 140	Accidental poisonings ..	E870-895	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2		
AE 141	Accidental falls ..	E900-904	2	..	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	5	..	5		
AE 142	Accidents caused by machinery ..	E912	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1		
AE 143	Accidents caused by fire and explosion of combustible material ..	E916	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	2	2		
AE 144	Accidents caused by hot substances, corrosive liquid, steam and radiation ..	E917, 918	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2		
AE 146	Accidental drowning and submersion ..	E929	1	..	2	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	7	..	7		
AE 147	(a) Foreign body entering other orifice ..	E923	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1			
(c) All other accidental causes ..																													
AE 148	Suicide and self-inflicted injury ..	E913-915, 910 E921, 922, 911 E924-926 E930-962	2	3	3	..	1	..	..	..	1	..	..	1	..	..	1	1	..	..	1	1	..	..	5	10	15		
AE 149	Homicide and injury purposely inflicted by other persons (not in war) ..	E963, 970-979 E964, 980-985	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	2		
TOTAL NUMBER OF DEATHS ..																													
430 549 101 133 56 85 78 64 47 46 53 68 34 59 42 45 27 35 36 43 30 29 934 1,156 2,090																													

APPENDIX V - Concluded
CAUSES OF DEATHS ARRANGED IN AGE GROUPS FOR THE YEAR 1963 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION,
SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

CAUSE GROUPS			Detailed List Numbers		Under 1 Year		1 Year		2 Years		3 Years		4 Years		5-9 Years		10-14 Years		15-19 Years		20-24 Years		25-29 Years		30-34 Years		35-39 Years		40-44 Years		45-49 Years		50-54 Years		55-59 Years		60-64 Years		65-69 Years		70-74 Years		75-79 Years		80-84 Years		85 and Over		Total																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Intermediate List Number			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F

APPENDIX VI

MAJOR CAUSES OF DEATH IN ACCORDANCE WITH THE INTERNATIONAL LIST
OF CAUSES OF DEATH

1963

Estimated Population: Urban - (Bridgetown and St. Michael) 95,750

Rural - 142,347

CLASSIFICATION	Total No. of Deaths	Urban Deaths	Per 100,000	
			Urban Rate	Rural Rate
VII Circulatory System ..	436	176	184	183
VI Nervous System and Sense Organs	360	170	178	134
XV Early Infancy	254	106	111	104
II Neoplasms	240	132	138	76
VIII Respiratory System ..	163	82	86	57
III Allergic, Endocrine, etc. Diseases	123	59	62	45
IX Digestive System.. ..	117	52	54	46
XVI Senility and Ill-defined Conditions	109	64	67	32

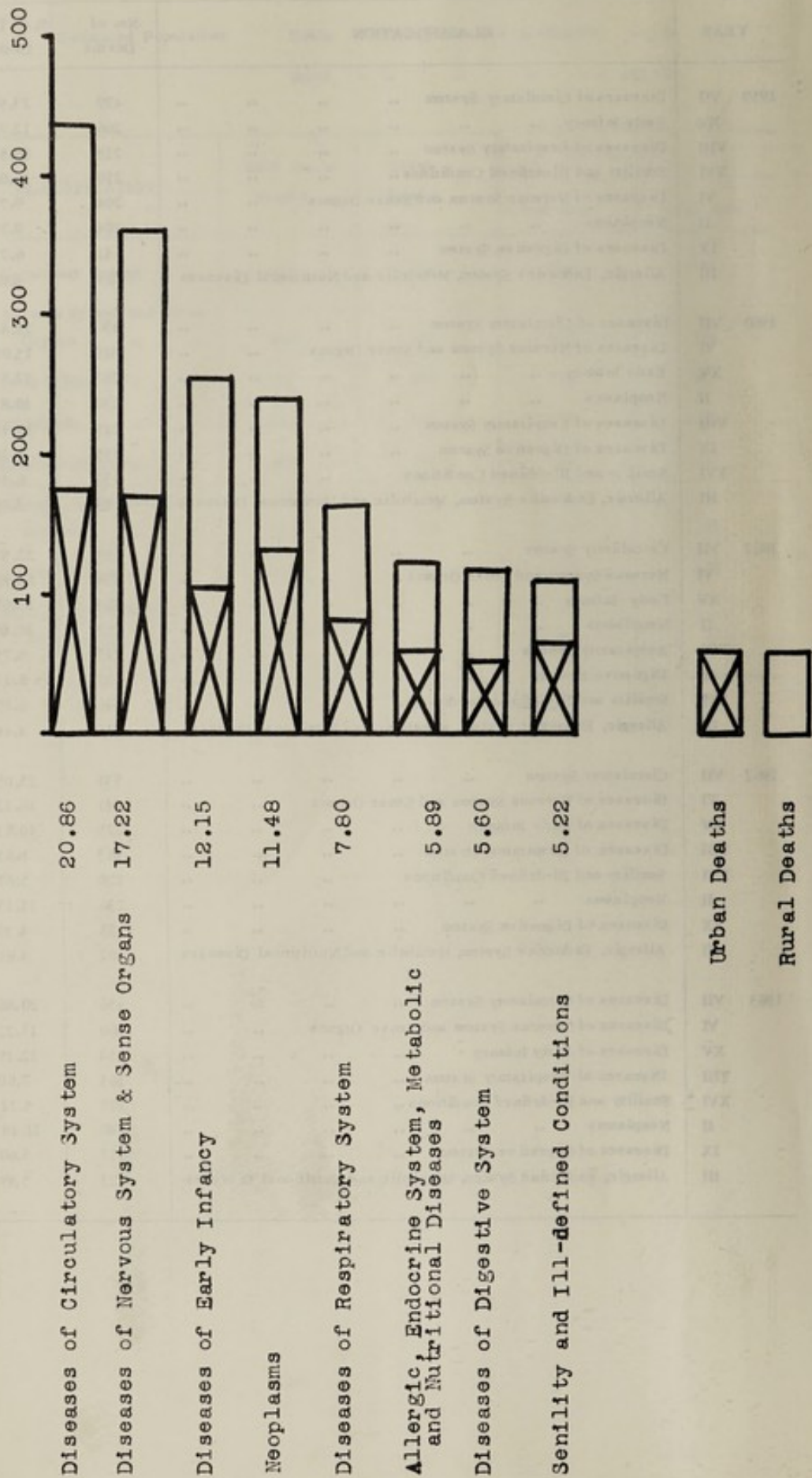
APPENDIX VII

MAJOR CAUSES OF DEATH IN ACCORDANCE WITH THE INTERNATIONAL STATISTICAL
CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF
150 CAUSES OF DEATH
1959 - 1963

YEAR	CLASSIFICATION	No. of Deaths	% of Total Deaths
1959	VII Diseases of Circulatory System	499	23.94
	XV Early Infancy	266	12.76
	VIII Diseases of Respiratory System	219	10.51
	XVI Senility and Ill-defined Conditions	210	10.08
	VI Diseases of Nervous System and Sense Organs	204	9.79
	II Neoplasms	204	9.79
	IX Diseases of Digestive System	141	6.77
	III Allergic, Endocrine System, Metabolic and Nutritional Diseases	85	4.08
1960	VII Diseases of Circulatory System	456	21.44
	VI Diseases of Nervous System and Sense Organs	319	15.00
	XV Early Infancy	267	12.55
	II Neoplasms	230	10.81
	VIII Diseases of Respiratory System	215	10.11
	IX Diseases of Digestive System	155	7.29
	XVI Senility and Ill-defined Conditions	137	6.44
	III Allergic, Endocrine System, Metabolic and Nutritional Diseases	80	3.76
1961	VII Circulatory System	539	22.37
	VI Nervous System and Sense Organs	358	14.85
	XV Early Infancy	264	10.95
	II Neoplasms	252	10.46
	VIII Respiratory System	235	9.75
	IX Digestive System	197	8.17
	XVI Senility and Ill-defined Conditions	166	6.89
	III Allergic, Endocrine System, Metabolic and Nutritional Diseases	107	4.44
1962	VII Circulatory System	530	25.05
	VI Diseases of Nervous System and Sense Organs	341	16.12
	XV Diseases of Early Infancy	225	10.63
	VIII Diseases of Respiratory System	183	8.65
	XVI Senility and Ill-defined Conditions	120	5.67
	II Neoplasms	236	11.15
	IX Diseases of Digestive System	93	4.39
	III Allergic, Endocrine System, Metabolic and Nutritional Diseases	102	4.82
1963	VII Diseases of Circulatory System	436	20.86
	VI Diseases of Nervous System and Sense Organs	360	17.22
	XV Diseases of Early Infancy	254	12.15
	VIII Diseases of Respiratory System	163	7.80
	XVI Senility and Ill-defined Conditions	109	5.22
	II Neoplasms	240	11.48
	IX Diseases of Digestive System	117	5.60
	III Allergic, Endocrine System, Metabolic and Nutritional Diseases	123	5.89

APPENDIX VIII

PRINCIPAL CAUSES OF DEATH AS A PERCENTAGE OF TOTAL DEATHS 1963



APPENDIX IX - Continued

CAUSES OF DEATHS OF INFANTS UNDER 1 YEAR ARRANGED IN AGE GROUPS FOR THE YEAR 1963 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES.

Intermediate List Number	CAUSE GROUPS	Detailed List Number	Under 1 Year												Total Under 1 Year												
			Under 1 Day		1 Day	2 Days	3 Days	4 Days	5 Days	6 Days	7-13 Days	14-20 Days	21-27 Days	Total Under 28 Days	28 Days to 2 Months	2 Months	3 Months	4 Months	5 Months	6 Months	7 Months	8 Months	9 Months	10 Months	11 Months		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
A 103	Intestinal obstruction and hernia ..	560, 561, 570	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
A 104	(a) Gastro-enteritis between 4 weeks and 2 years ..	571.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24	38
A 110	Infections of kidney ..	600	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
		601, 603	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		605-609, 611, 612, 614-617	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 114	(c) All other diseases of the genito-urinary system ..	622-633, 635-637	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
A 121	Infections of the skin and subcutaneous tissue ..	690-698	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
A 126	(c) All other diseases of the musculo-skeletal system ..	731-736	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
A 128	Congenital malformations of circulatory system ..	738-744	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
		754	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9
A 129	All other congenital malformations ..	750, 752, 753	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11
		755-759	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 130	Birth injuries ..	760, 761	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11
A 131	Post-natal asphyxia and atelectasis ..	762	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31
A 132	(a) Diarrhoea of newborn (under 4 weeks) ..	764	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
	(c) Other infections of newborn ..	763	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 133	Haemolytic disease of newborn ..	766-768	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18
A 134	All other defined diseases of early infancy ..	770	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5
		769, 771, 772	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	70
A 135	Ill-defined diseases peculiar to early infancy and immaturity unqualified ..	773, 776	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	116
A 137	(c) Unknown cause ..	795	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1

APPENDIX IX - Continued

CAUSES OF DEATHS OF INFANTS UNDER 1 YEAR ARRANGED IN AGE GROUPS FOR THE YEAR 1963 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948. INTERMEDIATE LIST OF 150 CAUSES.

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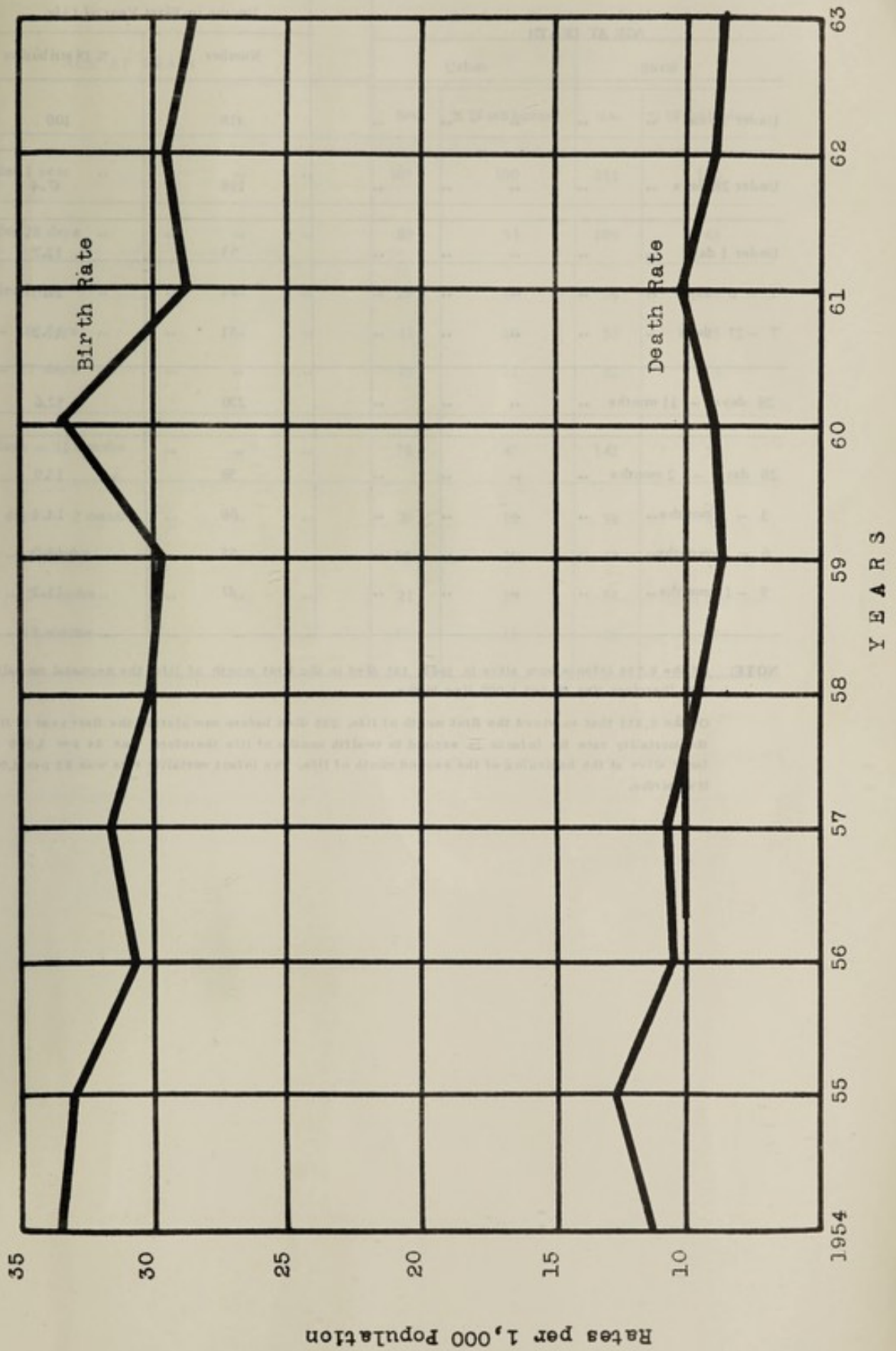
APPENDIX X

DEATHS OF INFANTS UNDER 1 YEAR ARRANGED IN PARISHES FOR THE YEAR 1963 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

CAUSE GROUPS	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All Parishes		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
Under 1 day	19	10	1	1	3	1	1	2	1	1	1	1	2	4	-	1	1	1	1	-	1	33	20	53	
1 day - 6 days	22	19	6	9	3	1	3	2	2	1	2	4	2	2	-	2	5	1	1	1	4	50	44	94	
7 days - 27 days	9	10	3	3	4	3	4	-	5	-	1	2	-	2	1	-	1	1	1	-	1	29	22	51	
Total Under 28 days	50	39	10	13	10	5	8	4	8	2	4	7	3	6	5	2	7	3	3	1	4	112	86	198	
28 days - 2 months	11	9	4	3	4	-	4	2	3	1	4	-	4	2	-	1	-	2	1	2	-	35	23	58	
3 months - 5 months	8	10	4	4	2	3	3	3	2	1	-	5	3	-	3	3	-	-	2	2	2	29	31	60	
6 months - 8 months	11	10	4	4	5	2	1	1	2	1	-	2	1	3	1	1	1	3	1	-	1	27	28	55	
9 months - 11 months	9	10	3	2	1	4	3	-	2	-	2	-	-	1	2	1	2	-	1	2	-	25	22	47	
Total Under 1 year	89	78	25	26	22	14	19	10	17	5	10	14	11	12	11	8	10	8	8	7	6	228	190	418	

APPENDIX XI

BIRTH AND DEATH RATES PER 1,000 OF THE POPULATION FOR PERIOD 1954-63



APPENDIX XII

INFANTS DEATHS BY AGE IN MONTHS - % DISTRIBUTION

1963

AGE AT DEATH	Deaths in First Year of Life	
	Number	% Distribution
Under 1 year	418	100
Under 28 days	198	47.4
Under 1 day	53	12.7
1 - 6 days	94	22.5
7 -27 days	51	12.2
28 days - 11 months	220	52.6
28 days - 2 months	58	13.9
3 - 5 months.. .. .	60	14.4
6 - 8 months.. .. .	55	13.2
9 - 11 months.. .. .	47	11.2

NOTE: Of the 6,756 infants born alive in 1963, 198 died in the first month of life; the neonatal mortality rate therefore was 29 per 1,000 live births.

Of the 6,558 that survived the first month of life, 220 died before completing the first year of life; the mortality rate for infants in second to twelfth months of life therefore was 34 per 1,000 infants alive at the beginning of the second month of life. The infant mortality rate was 62 per 1,000 live births.

APPENDIX XIII

INFANT DEATHS BY AGE IN MONTHS FOR THE YEAR 1963

AGE AT DEATH	Deaths in First Year of Life			
	Urban		Rural	
	No.	% Distribution	No.	% Distribution
Under 1 year	167	100	251	100
Under 28 days	89	53	109	43
Under 1 day	29	17	24	10
1 - 6 days	41	25	53	21
7 - 27 days	19	11	32	13
28 days - 11 months	78	47	142	57
28 days - 2 months	20	12	38	15
3 - 5 months	18	11	42	17
6 - 8 months	21	13	34	14
9 - 11 months	19	11	28	11

APPENDIX XIV

CAUSES OF DEATH IN THE FIRST YEAR OF LIFE

NUMBER OF DEATHS: PERCENTAGE DISTRIBUTION FOR THE YEAR 1963

CAUSE OF DEATH	Deaths in First year of Life	
	Number	Di stribution
All Causes	418	100
Pre-natal and natal causes	223	53.3
Premature birth	91	21.8
Congenital malformations	20	4.8
Injury at birth	11	2.6
Congenital debility	25	6.0
Other diseases peculiar to first year of life	66	15.8
Syphilis	2	0.5
Tetanus	8	1.9
Respiratory diseases	54	12.9
Gastro-intestinal Diseases	41	9.8
Epidemic and other Communicable diseases	9	2.2
Malnutrition	61	14.6
All other specified causes	29	6.9
Ill-defined and unknown causes	1	0.2

(a) pneumonia and other Respiratory Diseases.

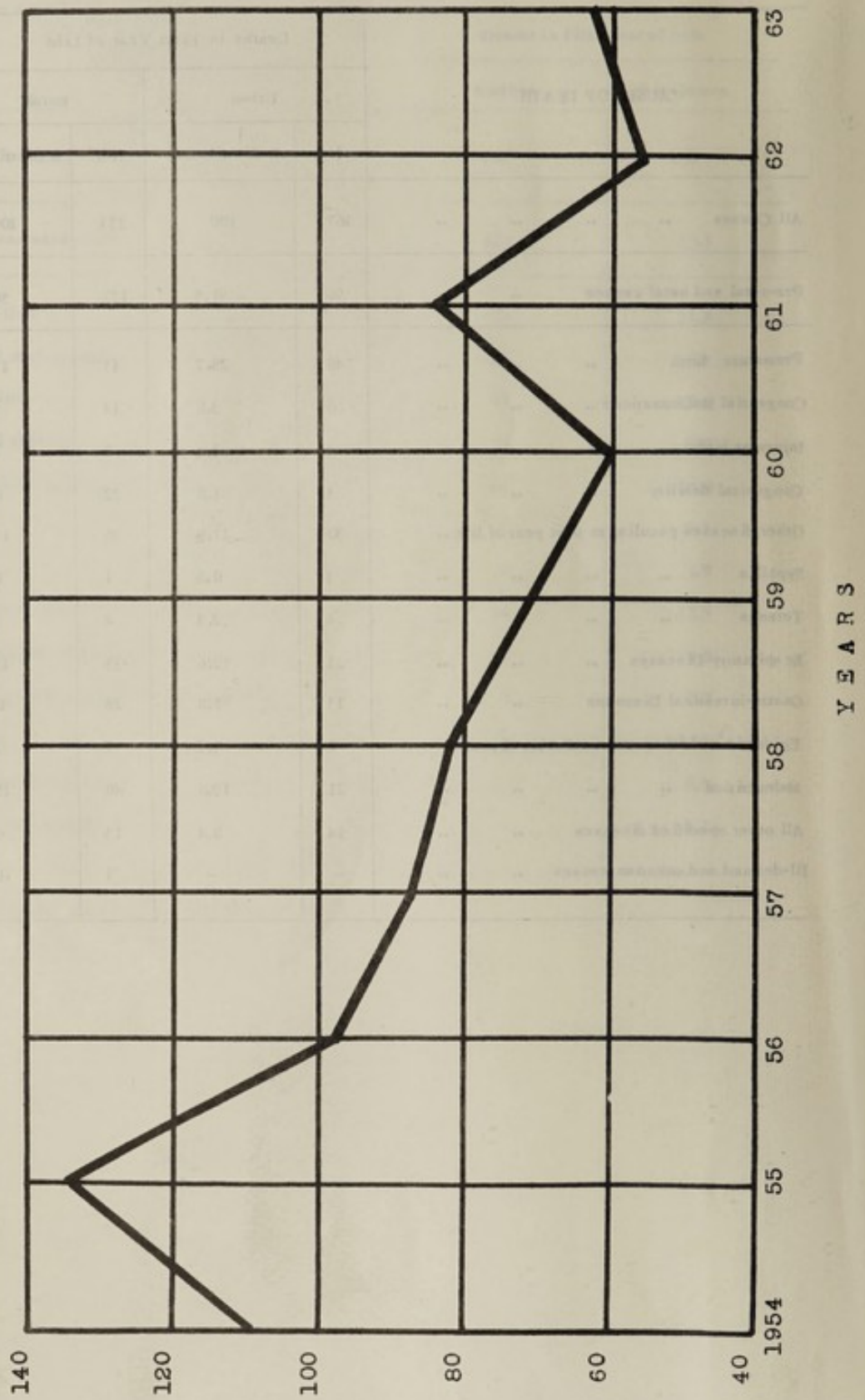
(b) chiefly Gastro-enteritis.

APPENDIX XV

CAUSES OF DEATH IN THE FIRST YEAR OF LIFE
 NUMBER OF DEATHS: % DISTRIBUTION FOR THE YEAR 1963

CAUSES OF DEATH	Deaths in First Year of Life			
	Urban		Rural	
	No.	% Distribution	No.	% Distribution
All Causes	167	100	251	100
Pre-natal and natal causes	96	57.5	127	50.6
Premature birth	48	28.7	43	17.1
Congenital Malformations	6	3.6	14	5.6
Injury at birth	4	2.4	7	2.8
Congenital debility	3	1.8	22	8.8
Other diseases peculiar to first year of life ..	30	17.9	36	14.3
Syphilis	1	0.6	1	0.4
Tetanus	4	2.4	4	1.6
Respiratory Diseases	21	12.6	33	13.1
Gastro-intestinal Diseases	13	7.8	28	11.2
Epidemic and other communicable diseases	2	1.2	7	2.8
Malnutrition	21	12.6	40	15.9
All other specified diseases	14	8.4	15	6.0
Ill-defined and unknown causes	—	—	1	0.4

APPENDIX XVI
 INFANT MORTALITY RATES PER 1,000 LIVE BIRTHS 1954-63



APPENDIX XVII

Tuberculosis: Deaths and Death Rate per 100,000 population

Years	Number of Deaths	Death Rate per 100,000 Population (estimated)
1930-34	111 (mean)	62.6
1935-39	115 "	60.3
1940-44	122 "	60.7
1945-49	116 "	55.9
1950-54	76 "	35.9
1955-59	31 "	13.2

Tuberculosis: Cases, Deaths, Morbidity and Mortality Rates per 100,000 of the estimated Population for period 1954-63

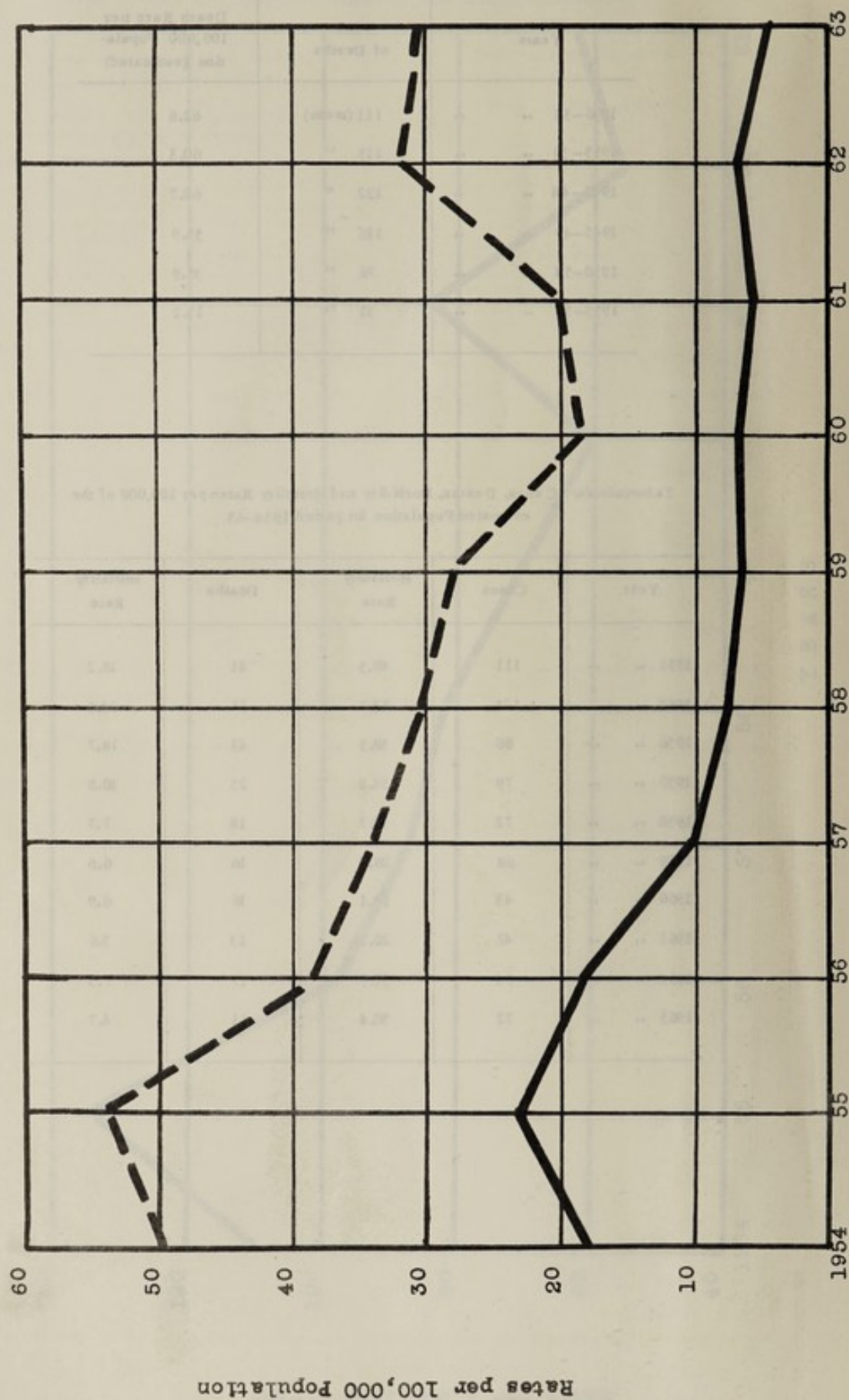
Year	Cases	Morbidity Rate	Deaths	Mortality Rate
1954	111	49.5	41	18.2
1955	123	53.7	53	23.1
1956	88	38.3	43	18.7
1957	79	34.2	25	10.8
1958	72	30.7	18	7.7
1959	68	28.2	16	6.6
1960	43	18.4	16	6.9
1961	47	20.2	13	5.6
1962	74	31.9	17	7.3
1963	72	30.4	11	4.7

APPENDIX XVIII

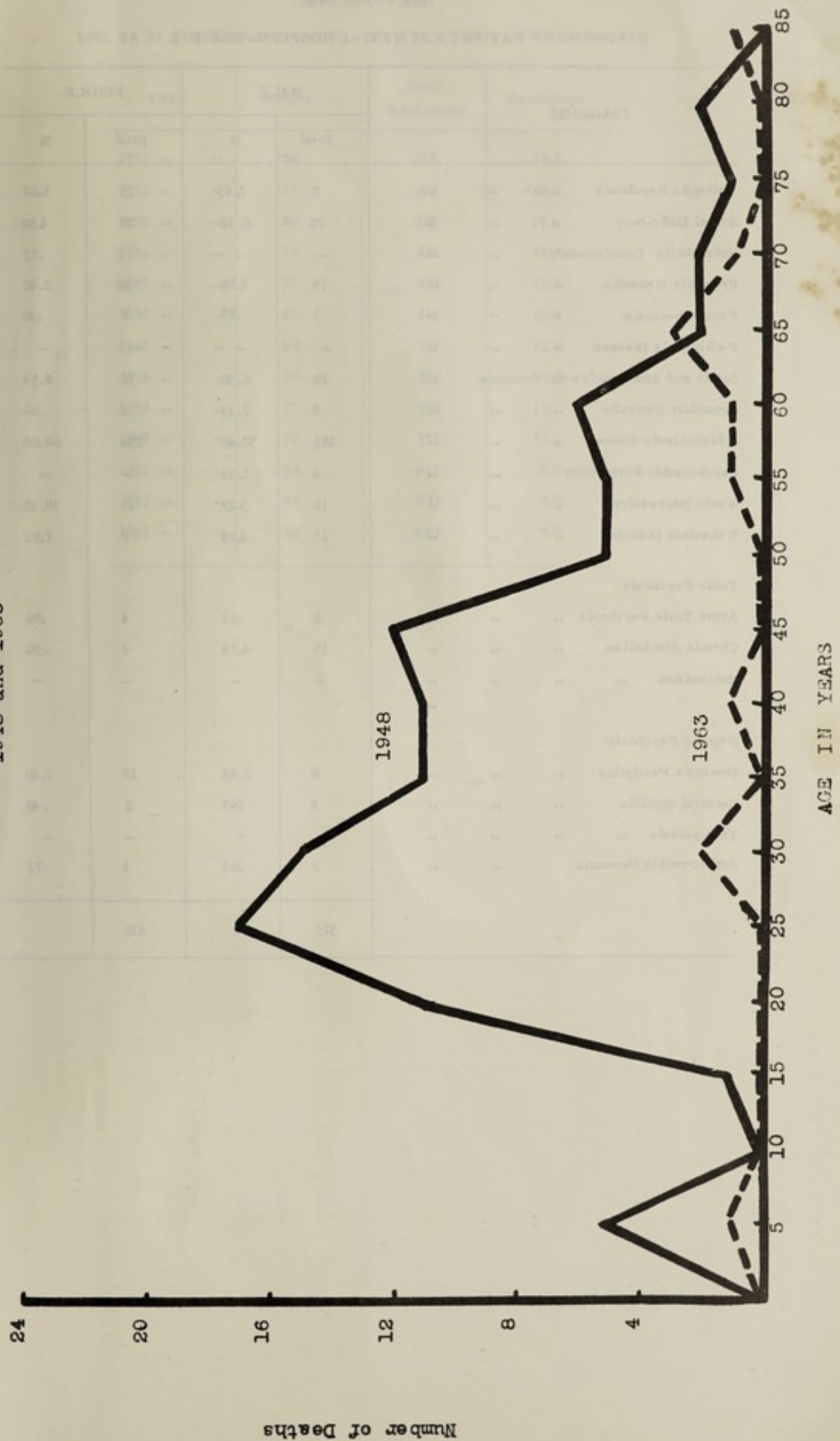
TUBERCULOSIS MORBIDITY AND MORTALITY RATES PER 100,000 ESTIMATED POPULATION FOR PERIOD 1954-63

- - - - - Morbidity

————— Mortality



APPENDIX XIX
DEATHS FROM TUBERCULOSIS IN AGE GROUPS
1948 and 1963



APPENDIX XX

DIAGNOSIS OF PATIENTS AT MENTAL HOSPITAL FOR THE YEAR 1962

DIAGNOSIS	MALE		FEMALE	
	Total	%	Total	%
Epileptic Psychosis	8	2.43	15	3.60
Mental Deficiency	20	6.38	20	4.80
Melancholia (involuntal)	—	—	3	.72
Presenile Dementia	15	4.78	10	2.40
Psycho-neurosis	3	.95	2	.48
Parkinson's Disease	—	—	—	—
Senile and Arterio-Sclerotic Dementia	20	6.38	36	8.54
Secondary Dementia	8	2.43	4	.96
Schizophrenic States	182	57.46	250	60.00
Psychopathic Personality	4	1.22	—	—
Manic Depressive	10	3.19	45	10.80
Behaviour Disorder	15	4.78	8	1.92
<i>Toxic Psychosis</i>				
Acute Toxic Psychosis	2	.61	4	.96
Chronic Alcoholism	15	4.78	4	.96
Malnutrition	—	—	—	—
<i>Organic Psychosis</i>				
Dementia Paralytica	8	2.43	10	2.40
Cerebral Syphilis	3	.95	2	.48
Tubo-paresis	—	—	—	—
Arterio-pathic Dementia	2	.61	3	.72
	315		416	

APPENDIX XXI

ADMISSIONS UNDER CERTIFICATION

Year	Number	Total Admissions	Percentage
1951	188	263	71.5
1952	117	292	40.1
1953	86	348	24.8
1954	72	416	17.3
1955	77	434	17.7
1956	67	415	16.1
1957	64	516	12.4
1958	87	570	15.3
1959	77	558	13.7
1960	72	551	13.1
1961	54	611	8.8
1962	37	631	5.9
1963	38	695	5.5

APPENDIX XXII

PATIENTS ON OBSERVATION

Year	Remaining on 1st January, 1963			Admitted			Certified			Released Uncertified			Died			Remaining on 31st December, 1963			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1955 ..	1	-	1	8	5	13	3	2	5	6	3	9	-	-	-	-	-	-	9	5	14
1956 ..	-	-	-	8	5	13	1	3	4	6	2	8	-	-	-	1	-	1	8	5	13
1957 ..	1	-	1	19	8	27	3	4	7	14	4	18	-	-	-	3	-	3	20	8	28
1958 ..	3	-	3	27	10	37	2	2	4	27	8	35	-	-	-	1	-	1	30	10	40
1959 ..	1	-	1	30	13	43	2	3	5	27	12	39	-	-	-	-	-	-	31	13	44
1960 ..	-	-	-	19	9	28	5	2	7	14	3	17	-	-	-	1	3	4	19	9	28
1961 ..	1	3	4	29	12	41	4	1	5	22	14	36	-	-	-	2	2	4	31	14	45
1962 ..	2	2	4	38	22	60	2	8	10	39	14	53	-	-	-	1	-	1	42	22	64
1963 ..	1	-	1	82	29	111	13	4	17	66	23	89	-	-	-	4	1	5	83	29	112

APPENDIX XXIII

TABLE SHOWING AVERAGE POPULATION, TOTAL ADMISSIONS,
DISCHARGES, DEATHS, ETC.

Year	Average Population	Total Admissions	Population at end of year	No. of Discharges	No. of Deaths	Average Percentage	Percentage
1947	736	185	742	108	92	12.05	12.04
1948	747	218	736	122	82	10.96	10.85
1949	749	228	733	169	83	11.08	11.35
1950	720	230	713	180	70	9.72	9.82
1951	711	188	702	139	64	9.00	9.12
1952	704	292	701	180	60	8.52	8.56
1953	704	348	709	282	58	8.24	8.18
1954	709	416	719	371	35	5.00	4.87
1955	717	434	720	389	44	6.22	6.11
1956	716	415	715	368	52	7.26	7.27
1957	723	516	725	455	49	6.77	6.76
1958	734	570	740	502	53	7.22	7.16
1959	737	558	760	492	46	6.22	6.05
1960	759	551	762	496	53	6.98	6.96
1961	761	611	770	547	56	7.53	7.51
1962	758	631	749	612	47	6.20	6.40
1963	736	695	731	641	72	9.90	10.40

APPENDIX XXIV

STATEMENT OF POPULATION

Year	Population at beginning of Year						ADMISSIONS												Deaths						On Trial at end of Year						DISCHARGES												Total Population at end of Year						Difference
							Voluntary						Certified																		On Remand						Total												
	Temporary			Voluntary			Certified			On Remand			Total			Recovered			Much Improved			Improved			Not Improved			Returned from trial			From Observation			Total															
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T													
1952 ..	286	416	702	95	93	148	11	16	27	47	37	84	29	17	46	142	163	305	26	34	60	17	6	23	33	34	67	27	39	66	14	32	46	1	-	1	-	-	27	16	43	102	121	223	281	420	701	-1	
1953 ..	281	420	701	62	134	196	21	29	50	50	36	86	12	4	16	145	203	348	21	37	58	28	29	57	18	59	77	46	34	80	9	17	26	-	-	11	16	27	12	3	15	96	129	225	281	428	709	+8	
1954 ..	281	428	709	109	150	259	44	32	76	45	27	72	4	5	9	202	214	416	16	19	35	20	36	56	51	63	114	40	54	94	32	27	59	2	4	19	14	33	5	6	11	149	166	315	298	421	719	+10	
1955 ..	298	421	719	99	162	261	40	43	83	38	39	77	8	5	13	185	249	434	28	16	44	26	44	70	46	82	128	38	47	85	35	26	41	6	3	9	23	19	42	9	5	14	137	182	319	292	428	720	+1
1956 ..	292	428	720	104	172	276	35	24	59	34	33	67	8	5	13	181	234	415	25	27	52	28	29	57	23	48	71	36	47	83	38	43	81	5	7	12	25	27	52	7	5	12	134	177	311	286	429	715	-5
1957 ..	286	429	715	133	224	357	35	33	68	44	20	64	19	8	27	231	285	516	22	27	49	48	71	119	32	59	91	54	45	99	25	28	53	4	3	7	30	33	63	17	8	25	162	176	338	285	440	725	+10
1958 ..	285	440	725	126	229	355	39	52	91	55	32	87	27	10	37	247	323	570	20	33	55	48	54	102	52	71	123	42	63	105	19	37	56	6	10	16	24	37	61	29	10	39	172	228	400	292	448	740	+15
1959 ..	292	448	740	100	240	340	44	54	98	51	26	77	30	13	43	231	327	558	15	31	46	35	52	87	51	64	115	39	60	99	25	30	55	4	6	10	32	50	82	31	13	44	182	223	405	295	465	760	+20
1960 ..	295	465	760	119	223	342	61	48	109	43	29	72	19	9	28	258	293	551	16	37	53	50	72	122	59	63	122	36	49	85	23	33	56	6	9	15	47	42	89	14	5	17	225	271	496	296	466	762	+2
1961 ..	296	466	762	163	228	391	66	60	126	34	20	54	29	12	41	287	324	611	23	33	56	57	80	137	55	75	130	35	45	80	21	39	60	7	10	17	47	41	88	23	12	35	250	297	547	302	468	770	+8
1962 ..	302	468	770	133	191	324	67	75	142	10	7	17	38	22	60	248	295	543	15	32	47	60	105	165	58	68	126	54	55	109	22	26	48	12	11	23	48	40	88	39	14	53	293	319	612	307	442	749	-21
1963 ..	307	442	749	162	219	381	77	88	165	18	20	38	82	29	111	339	356	695	29	43	72	80	93	173	60	67	127	70	87	157	46	36	82	10	5	13	33	32	65*	66	23	89	332	509	641	316	415	731	-18







