

Annual report of the Director of Medical Services / Barbados.

Contributors

Barbados. Department of Medical Services.

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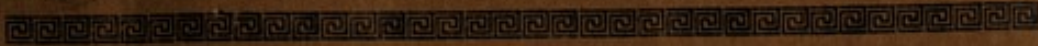
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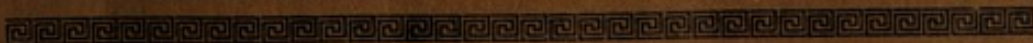
ANNUAL REPORT

OF THE

DIRECTOR OF MEDICAL SERVICES

FOR THE YEAR

1961-62



GOVERNMENT PRINTING OFFICE, BAY STREET, BARBADOS.

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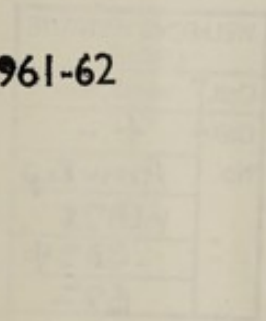
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1961-62



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FOR THE YEAR

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ANNUAL REPORT OF THE DIRECTOR OF MEDICAL SERVICES FOR THE YEAR
1961-62

Part I. MEMBERSHIP OF COMMITTEES

GENERAL BOARD OF HEALTH

- E. B. Carter, M.D., C.M., L.M.S. (N. Scotia), - *President*
The Hon. K. R. Hunte, O.B.E., M.L.C.
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T. W. Miller, Esq., M.C.P.
F. C. Goddard, Esq., M.C.P.
Alderman C. B. Brandford, O.B.E.
Alderman Hon. F. McD. Symmonds, M.L.C.
Councillor O. T. Allder
Councillor G. S. Stoute
Councillor B. Cole
Councillor C. B. Searles, M.C.P.
Councillor G. E. S. Straughan, M.C.P.
Councillor J. W. Corbin, M.C.P.
Dr. M. A. Byer, O.B.E., Director of Medical Services (*ex officio*)
The Director of Highways & Transport
Dr. E. Cochrane, Senior Medical Officer of Health
W. A. Abrahams, Esq., Government Chief Public Health
Inspector
P. H. M. Stevens, Esq., Town and Country Planning Officer
V. DaC. Boyce, Esq., - *Clerk.*
- } Advisers attending
by invitation

GENERAL HOSPITAL ADVISORY COMMITTEE

- J. Baeza, M.B., Ch.B., - *Chairman*
R. M. Cave, Esq.
Mrs. J. A. Martineau
Mrs. E. E. Bourne, M.C.P.
Councillor O. T. Allder, *Esq.*
W. C. Goodman, M.B.E., - *Secretary.*

VISITING COMMITTEE - MENTAL HOSPITAL

- The Hon. Dr. C. H. St. John, M.L.C. - *Chairman*
The Hon. F. McD. Symmonds, M.L.C.
Dr. J. Baeza, M.B., Ch.B.
T. W. Miller, Esq., M.C.P.
Mrs. W. A. Redhead
H. Waite, Esq.
Dr. R. M. Lloyd-Still, (*ex officio*)
L. C. Donovan, Esq., - *Secretary (Ag.)*

VISITING COMMITTEE OF THE LAZARETTO

- Dr. M. A. Byer, O.B.E., 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*)
C. B. Allamby, Esq.
Miss Eunice Gibson
Mrs. F. A. Bishop, M.B.E.
Mrs. W. Terajewicz
Mrs. E. Parry
Sister May Teresa, C.J.G.S.
C. E. Edwards, Esq., Superintendent - *Secretary.*

GENERAL NURSING COUNCIL

Dr. M. A. Byer, O.B.E., Director of Medical Services - *Chairman*
Miss E. K. Walters, Matron, General Hospital (*ex officio*)
Dr. F. N. Grannum, M.B.E., M.B., Ch.B. (Edin.), D.T.M.&H. (Eng.) M.P.H. (Harvard)
A. L. Stuart, M.B., Ch.B., D.T.M.&H.
C. B. Vaughan, M.R.C.S. (Eng.), L.R.C.P. (Lond.)
Miss M. I. Stuart, Principal Sister Tutor, General Hospital
Mrs. E. Chandler
Mrs. M. I. Stuart - *Secretary*.

BOARD OF MEDICAL ASSESSORS

Dr. M. A. Byer, O.B.E. - *Chairman*
Hon. Dr. C. H. St. John, M.L.C.
Hon. Sir Grey Massiah, C.B.E., M.A., M.D., C.M., M.L.C.
C. B. Vaughan, M.R.C.S., Ch.B., D.T.M. & H.

BOARD OF DENTAL ASSESSORS

Dr. M. A. Byer, O.B.E., Director of Medical Services - *Chairman*
Hon. Sir Grey Massiah, C.B.E., M.A., M.D., C.M., M.L.C.
Dr. L. K. Nicholls
E. W. Storey, D.D.S.

PUBLIC HEALTH ADVISORY COMMITTEE

E. B. Carter, M.D., C.M., L.M.S. (N. Scotia) - *Chairman*
C. B. Vaughan, M.R.C.S. (Eng.), L.R.C.P. (Lond.)
Councillor F. A. Greaves
Councillor K. Forde
Councillor V. W. A. Chase
Mrs. K. L. Standard
Dr. M. A. Byer, O.B.E., Director of Medical Services (*ex officio*)

Part II. STAFF

2. Whole-time members as at 31st March, 1962.

Director of Medical Services

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

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

Miss A. Walters

Government Chief Public Health Inspectors

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

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

Assistant Chief Public Health Inspector

E. Baird, Esq.

Office Superintendent

T. F. King, Esq., B.A. (Durham)

Clerical - 9
 Technical - 10
 Nursing - 1
 Other - 3

BARBADOS GENERAL HOSPITAL

Medical Superintendent

A. D. Sinclair, M.B., Ch.B., D.A., F.F.A.R.C.S. to 13th November, 1961
 H. McD. Forde, M.R.C.S. (Eng.), L.R.C.P. (Lond.), M.B., B.S., (Lond.) M.D. (Lond.),
 D.P.H. (Eng.), M.R.C.P. (Edin.), D.T.M.&H. (Eng.) from 14th November, 1961.

Surgeon Specialist

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

Specialist Physician

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

Vacant from 14th November, 1961.

Specialist Radiologist

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

Senior Anaesthetist

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

Junior Anaesthetist

Dr. D. M. Barr, M.B., Ch.B. (U. Glasgow)

Ophthalmic Surgeon

H. N. St. John, F.R.C.S. (Ed.), D.L.O.

Medical Registrar

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

Surgical Registrar

R. K. Rowley, M.B., Ch.B., (U. Birm.)

Medical Officers, Grade "A"

M. M. R. Lewis, M.B., B.S.
 G. A. O. Alleyne, M.B., B.S. (U. Lond.)
 N. E. Procope, M.B., B.S.
 G. M. Lorde, L.R.C.P. (Edin.), L.R.C.S. (Edin.), L.R.F.P.S. (Glasg.)

House Officers

M. Stoby, M.R.C.S. (Eng.), L.R.C.P. (Lond.)
 A. Bayley, M.B., Ch.B. (U. L'pool.)

Steward and Secretary

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

Matron

Miss E. K. Walters

Assistant Matron

Miss E. M. Skinner

Principal Sister Tutor

Miss I. Stuart

Sister Tutor

Miss O. Barrett

Departmental Sisters
Miss B. St.Hill
Miss A. Mayers
Miss C. Blackman
Miss C. Estwick
Miss E. Husbands

Physiotherapist
Miss D. I. Traynor

Radiographers
Miss N. Forde
Mrs. J. Y. Worrell

Clerical - 18
Nursing - 253
Technical - 16
Other - 270

BACTERIOLOGICAL AND PATHOLOGICAL LABORATORY

Bacteriologist and Pathologist
W. dos Santos, M.R.C.S., L.R.C.P., M.B., B.Chir. (Cantab.)

Assistant Bacteriologist and Pathologist
Mary Bools, M.D., Ch.B., B.A.O. (N.U. Irel.)

Clerical - 1
Technical - 5
Other - 2

MENTAL HOSPITAL

Medical Superintendent
Lt. Col. R. M. Lloyd-Still, M.R.C.S. (Eng.), L.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.) with effect from
18th September, 1961.

Matron
Miss G. Bayley

Tutor
C. Bennett, Esq.

Head Male Nurse
A. E. Lewis, Esq.

Steward
V. Boyce, Esq.

Clerical - 4
Nursing - 103
Other - 40

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

V. A. A. Archer, B.Sc. (Mc.Gill), M.Sc. (Toronto), F.C.I.C.
Vacant with effect from 8th September, 1961.

Senior Public Health Nurse

Mrs. B. Williams

Radiographer

Mrs. S. R. St.John

Clerical - 4

Nursing - 6

Technical - 2

Other - 9

Speightstown

Medical Officer of Health

R. A. J. Webb, L.R.C.P., M.R.C.S., M.B., B.S.

Government Chief Public Health Inspector

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

Senior Public Health Nurse

Miss M. Mayers

Clerical - 1

Nursing - 4

Technical - 1

Other - 4

Six Cross Roads

Medical Officer of Health

K. L. Standard, M.B., B.S., M.P.H. (Pittsburgh) to 24th December, 1961.

Vacant with effect from 25th December, 1961.

Government Chief Public Health Inspector

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

Senior Public Health Nurse

Miss I. Barrett

Clerical - 1

Nursing - 5

Technical - 1

Other - 4

MATERNITY HOSPITAL

Matron

Miss L. V. Fearon to 30th April, 1961.

Vacant with effect from 1st May, 1961.

Clerical - 1

Nursing - 4

Other - 13

3. Part-time members as at 31st March, 1962.

Assistant Health Officer (Port)

J. E. Walcott, M.B., Ch.B. (U. Glasgow), D.T.M. & H. (Eng.)

School Dentists

Dr. F. M. O. Alleyne

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

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

BARBADOS GENERAL HOSPITAL

Visiting Surgeons

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

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

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

Assistant Visiting Surgeon

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

Assistant Ophthalmic Surgeon

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

Ear, Nose and Throat Surgeon

A. O. W. F. Trieloff, M.D., L.M.C.C.

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.

MENTAL HOSPITAL

Visiting Physician

P. Branch, M.B., B.S. (U. Lond.)

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

ABOLITION OF GENERAL BOARD OF HEALTH

The functions of this Board in respect to all matters dealt with in the Public Health Act, 1954 were assigned to the three Local Government Councils in 1959.

The last function for which the Board remains responsible is the examination followed by approval or rejection of applications for the division and sale of land.

This department wishes to place on record its appreciation of the excellent advice which this Board has on many occasions given to the Directors of Medical Services.

Part IV. VITAL STATISTICS

The population on the 31st December, 1961, was computed as follows:—

| | | | |
|--|----|----|----------------|
| Estimated population, 31st December, 1960 | .. | .. | 232,331 |
| Excess of births over deaths | .. | .. | 4,344 |
| | | | <u>236,675</u> |
| Less excess of Emigration over Immigration | .. | .. | 4,963 |
| Population at 31st December, 1961 | .. | .. | <u>231,712</u> |

| | Males | Females | Persons |
|---------------------------|--------|---------|---------|
| Immigration | 31,349 | 22,785 | 54,134 |
| Emigration | 36,114 | 22,983 | 59,097 |
| Arrivals by air | — | — | 46,381 |
| Departures by air | — | — | 50,817 |

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

Vital statistical data for the year ending 31st December, 1961 are as follows:—

| | | | |
|---|----|----|---------|
| Estimated end of year population | .. | .. | 231,712 |
| Estimated mean population | .. | .. | 232,021 |
| Births registered | .. | .. | 6,754 |
| Birth rate per 1,000 of the population | .. | .. | 29.0 |
| Deaths registered | .. | .. | 2,410 |
| Deaths per 1,000 of the population | .. | .. | 10.4 |
| Infant Mortality Rate | .. | .. | 84 |
| Maternal Mortality Rate per 1,000 live births | .. | .. | 2.20 |
| Still birth rate per 100 live births | .. | .. | 2.12 |

Vital statistical data over the ten year period 1952-61:

| Year | Natural Increase Population | Birth Rates | Crude Death Rates | Infant Mortality Rate | Maternal Mortality Rate |
|------------|-----------------------------|-------------|-------------------|-----------------------|-------------------------|
| 1952 | 4,105 | 33.59 | 14.68 | 146 | 3.08 |
| 1953 | 4,307 | 33.05 | 13.36 | 139 | 3.49 |
| 1954 | 5,032 | 33.63 | 11.29 | 109 | 2.71 |
| 1955 | 4,706 | 33.14 | 12.60 | 134 | 2.59 |
| 1956 | 4,652 | 30.88 | 10.59 | 97 | 3.39 |
| 1957 | 4,845 | 31.69 | 10.69 | 87 | 2.19 |
| 1958 | 4,817 | 30.34 | 9.80 | 82 | 2.95 |
| 1959 | 5,026 | 29.77 | 8.73 | 71 | 2.25 |
| 1960 | 5,703 | 33.50 | 8.82 | 60 | 2.17 |
| 1961 | 4,344 | 29.00 | 10.40 | 84 | 2.20 |

A figure of 84 for the Infant Mortality Rate is disappointing, in that it registers the only failure to advance in the past six years.

A very careful analysis of the probable causes of this set-back has been made, but no satisfactory explanation can be given for the over-all slight increase in deaths from *all* causes, in *all* parishes, over the whole year.

It may however be associated with the sharp rise in the preceding year.

Comparison of the rates with those recorded in neighbouring territories:

| Rate | Barbados | Trinidad | Jamaica |
|---|----------|----------|---------|
| Births per 1,000 population | 29.0 | - | 40.99 |
| Deaths per 1,000 population | 10.4 | - | 8.80 |
| Infant Mortality per 1,000 live births .. | 84 | - | 47.15 |

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.

Part VI. REPORT OF THE GOVERNMENT CHIEF PUBLIC HEALTH INSPECTOR

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

The Report of the work done by the Inspectors Department during the period April 1, 1961, to March 31, 1962, is hereunder submitted for your information:

Sections of the Department are as follows:

- The Inspection Field Force,
- The *Aedes aegypti* Eradication Units,
- The Maritime and Airport Staffs.

The *Aedes Aegypti* Mosquito Eradication Programme took precedence over the other phases of the work which the Department has always undertaken. During the first quarter of the year approximately seventy-eight (78) localities were worked in the three Areas of the Island. Sixty-two (62) were completed, and thirty-three (33) of these localities were found negative.

Immediately after this period there was a change in the administration on this project. The former Sanitarian-Consultant, Mr. Dennis Rausch, having resigned from the World Health Organization, his place was taken by Mr. C. D. Gilkes.

Another change instituted was the appointment of three Chief Public Health Inspectors, each being responsible to the Department for the co-ordinating of work done by the Department's Staff and that done by the Staffs employed by the Local Government Councils, with a view to intensifying the campaign against this mosquito.

Under the new Consultant's direction other measures for the eradication of this mosquito were put into effect, and it was this that led to the discovery that localities previously regarded as negative had again become reinfested.

The drive against the mosquito continues unabated, but regrettably the question of non co-operation, or the partial co-operation of certain sections of the community, are problems which still confront us. Efforts have been made to try and obtain permission for an increase in the number of personnel now engaged in order that the present cycles now obtaining, may be shortened.

Quarantine and Port Sanitation

In the Port Area (Carlisle Bay and Bridgetown Harbour) routine inspection of premises, in the port area generally, is carried out daily. The general sanitation of the Ports continues to be satisfactory. Mosquito infestation, one of the numerous phases of work done in this area is given priority and reports are submitted daily to the Port Health Officer. All efforts are made to ensure that both the Maritime Ports and the Airport are kept mosquito free.

Rodent Control in Ports

A team of three men has been allocated to the Port Area and these men carry out daily visits to buildings in the area, and also to buildings in the immediate environs of the Port. Rodent infestation is kept under control in the Port Area.

Four hundred and nine (409) vessels, mainly schooners, motor vessels and other surface craft arrived from the neighbouring West Indian and other islands during the year. Three hundred and fifty-one (351) were treated with mortex insecticide on arrival. Two of these were found with *Aedes aegypti* mosquitoes on arrival. They were treated and reports were forwarded to the Port authorities, both in the ports of origin and final destination.

Residual spraying operations were carried out on twenty-two (22) vessels, while two vessels were fumigated during the same period. Rat baits were laid aboard fifteen vessels after it was found impracticable to carry out fumigation operations.

During the period under review seventy-three thousand four hundred and sixty-four (73,464) baits were laid. Nine thousand three hundred and fourteen (9,314) rats, and two thousand five hundred and seventy-four (2,574) mice were certified to have been destroyed in and around the City and suburbs of Bridgetown.

Miscellaneous

Under this head, public health officers attached to the staff carried out water sampling operations at several places – private and public.

Samples of water supplies were regularly taken from public standpipes, the Airport and the Maritime Port and the Pumping Stations. The reports from the Bacteriological Laboratory at the Enmore Health Centre were subsequently submitted to the Department.

Inspection of premises and areas from which cases of notifiable diseases had been reported, was also undertaken and reports on these were submitted to the Department and also to the Local Public Health Authorities concerned.

Nuisances and other complaints reaching the department were dealt with as expeditiously as possible, and wherever practicable, remedial measures were suggested and in some cases instituted with the minimum of delay.

THE PUBLIC HEALTH LABORATORY – HEALTH CENTRE, ENMORE

Fifty-two thousand, two hundred and forty-nine (52,249) tests were performed in the Public Health Laboratory. This represents an increase of seven thousand and thirteen (7,013) over the tests performed during the previous year. This is a clear indication of the continual progress being made in this Laboratory, established just four years ago.

Weekly visits are paid to the Speightstown and St. Philip Health Centres and Laboratory services rendered for their Diabetic and Ante-Natal Clinics respectively. Laboratory technicians make weekly collections of blood samples for serological tests, from patients of the Maternity Ward of the Bridgetown Infirmary.

Specimens for Serological, Bacteriological and Haematological Examinations are received from the Maternity Hospital, Bridgetown Infirmary, the three Health Centres and General Practitioners, and considerable numbers of serological tests are performed on prospective emigrants to Canada, the United Kingdom and the United States of America and for the General and Mental Hospitals; the Public Health Laboratory is now performing serological tests for the entire island. Similarly, T.B. Cultures and Sensitivity tests for the entire island are done in the Laboratory and Parasitology tests performed on Canadian Emigrants.

The Bacteriological examination of water continues to feature prominently in the Public Health Laboratory's routine work. Samples from all reservoirs and pumping stations are tested monthly, and from Seawell Airport weekly. Sampling of water from the water-boat enclosure and the Pierhead, was also instituted.

Staff

In August, Mr. Victor Archer proceeded on leave prior to resigning from the post of Laboratory Supervisor in early July.

Mr. C. Best continues his studies for the Associateship of Institute of Medical Laboratory Technology, in England. He successfully took the Intermediate of this Examination in May.

Mrs. G. M. E. Sealy has been acting as Laboratory Technician from April.

TOTAL WORK PERFORMED IN 1961

ENMORE HEALTH CENTRE

| <i>Bacteriology:</i> | | | | <i>Positive</i> | <i>Negative</i> | <i>Total</i> |
|---|----|----|----|-----------------|-----------------|--------------|
| Smears for G.C. | .. | .. | .. | 984 | 1,701 | 2,685 |
| Cultures for G.C. | .. | .. | .. | 29 | 1,234 | 1,263 |
| Direct and Concentrated Smears for T.B. | .. | .. | .. | 40 | 249 | 289 |
| Cultures for T.B. | .. | .. | .. | 32 | 121 | 153 |
| Sensitivity tests for T.B. | .. | .. | .. | - | - | 99 |
| Routine Sensitivity tests | .. | .. | .. | - | - | 204 |
| Other Cultures | .. | .. | .. | - | - | 2,210 |
| Smears for Diphtheria | .. | .. | .. | - | 91 | 91 |
| Cultures for Diphtheria | .. | .. | .. | - | 91 | 91 |
| Darkfield Examinations for Treponema Pallidum | | | | 23 | 142 | 165 |
| Smears for Donovanias granulomatis | .. | .. | .. | 2 | 1 | 3 |
| | | | | | | <u>7,253</u> |
| <i>Haematology:</i> | | | | <i>Positive</i> | <i>Negative</i> | <i>Total</i> |
| Haemoglobin Estimations | .. | .. | .. | - | - | 1,825 |
| Erythrocyte Sedimentation Rate | .. | .. | .. | - | - | 21 |
| White Blood Counts | .. | .. | .. | - | - | 62 |
| Red Blood Counts | .. | .. | .. | - | - | 51 |
| Differential White Blood Counts | .. | .. | .. | - | - | 40 |
| Eosinophil Counts | .. | .. | .. | - | - | 1 |
| Packed Cell Volume | .. | .. | .. | - | - | 366 |
| Sickle Cell Preparations | .. | .. | .. | 8 | 39 | 47 |
| Paul - Bunnell | .. | .. | .. | - | - | 1 |
| Blood Morphology | .. | .. | .. | - | - | 2 |
| | | | | | | <u>2,416</u> |
| <i>Parasitology:</i> | | | | <i>Positive</i> | <i>Negative</i> | <i>Total</i> |
| Direct Smears for Ova | .. | .. | .. | 199 | 486 | 685 |
| Trichomonas Vaginalis | .. | .. | .. | 385 | 810 | 1,195 |
| Smears for Filaria | .. | .. | .. | - | 2 | 2 |
| Smears for Malaria | .. | .. | .. | - | 3 | 3 |
| | | | | | | <u>1,885</u> |

SIX CROSS ROADS HEALTH CENTRE

| <i>Bacteriology:</i> | | | | | | <i>Positive</i> | <i>Negative</i> | <i>Total</i> |
|----------------------|----|----|----|----|----|-----------------|-----------------|--------------|
| Smears for G.C. | .. | .. | .. | .. | .. | - | 1 | 1 |
| Cultures for G.C. | .. | .. | .. | .. | .. | - | 1 | 1 |
| | | | | | | | | <u>2</u> |

| <i>Haematology:</i> | | | | | | | | |
|---------------------------------|----|----|----|----|----|----|----|------------|
| Haemoglobin estimations | .. | .. | .. | .. | .. | .. | .. | 609 |
| Red Blood Counts | .. | .. | .. | .. | .. | .. | .. | 2 |
| White Blood Counts | .. | .. | .. | .. | .. | .. | .. | 2 |
| Differential White Blood Counts | .. | .. | .. | .. | .. | .. | .. | 2 |
| | | | | | | | | <u>615</u> |

| <i>Parasitology:</i> | | | | | | <i>Positive</i> | <i>Negative</i> | <i>Total</i> |
|-----------------------|----|----|----|----|----|-----------------|-----------------|--------------|
| Direct Smears for Ova | .. | .. | .. | .. | .. | - | 1 | 1 |
| | | | | | | | | <u>1</u> |

| <i>Urinalysis:</i> | | | | | | | | |
|--------------------|----|----|----|----|----|----|----|--------------|
| Sugar | .. | .. | .. | .. | .. | .. | .. | 787 |
| Albumin | .. | .. | .. | .. | .. | .. | .. | 787 |
| Acetone | .. | .. | .. | .. | .. | .. | .. | 1 |
| | | | | | | | | <u>1,575</u> |

TOTAL SIX CROSS ROADS HEALTH CENTRE 2,193

TOTAL (3) HEALTH CENTRES .. 18,401

| <i>Water Examination:</i> | | | | | | | | |
|---------------------------|----|----|----|----|----|----|----|-----|
| Millipore Filter Method | .. | .. | .. | .. | .. | .. | .. | 988 |

| <i>Serology:</i> | | | | | | | | |
|-------------------------|----|----|----|----|----|----|----|---------------|
| V.D.R.L. - Qualitative | .. | .. | .. | .. | .. | .. | .. | 24,374 |
| V.D.R.L. - Quantitative | .. | .. | .. | .. | .. | .. | .. | 5,707 |
| Kolmer - Wasserman | .. | .. | .. | .. | .. | .. | .. | 2,730 |
| V.D.R.L. on C.S.F. | .. | .. | .. | .. | .. | .. | .. | 49 |
| Total Serology: | .. | .. | .. | .. | .. | .. | .. | <u>32,860</u> |

GRAND TOTAL .. 52,249

SEROLOGY

| Result | St. Michael's Health Centre | % | St. Philip's Health Centre | % | Speightstown Health Centre | % | Emigration | % | Maternity Hospital | % | Bridgetown Infirmary | % | General Hospital | % | Mental Hospital | % |
|-----------------|-----------------------------|------|----------------------------|------|----------------------------|------|------------|------|--------------------|------|----------------------|------|------------------|------|-----------------|------|
| Negative | 7,939 | 75.8 | 3,000 | 78.0 | 2,338 | 83.8 | 3,204 | 91.4 | 649 | 87.6 | 228 | 85.4 | 1,865 | 81.3 | 390 | 85.5 |
| Reactive | 1,725 | 16.5 | 560 | 14.6 | 299 | 10.7 | 224 | 6.4 | 63 | 8.5 | 25 | 9.4 | 307 | 13.4 | 46 | 10.1 |
| Weakly Reactive | 810 | 7.7 | 285 | 7.4 | 153 | 5.5 | 78 | 2.2 | 29 | 3.9 | 14 | 5.2 | 123 | 5.3 | 20 | 4.4 |
| Total | 10,474 | | 3,845 | | 2,790 | | 3,506 | | 741 | | 267 | | 2,295 | | 456 | |

| | | | | | | | | | | | | | | | | | |
|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| Total Negative | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 19,612 |
| Total Reactive | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 3,249 |
| Total Weakly Reactive | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1,512 |
| Total Qualitative | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 24,374 |
| Qualitative | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 24,374 |
| Quantitative | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 5,707 |
| Wasserman | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2,730 |
| C.S.F. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 49 |
| TOTAL SEROLOGY | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 32,860 |

Part VII. INSTITUTIONS AND HEALTH CENTRES

THE GENERAL HOSPITAL

Dr. H. McD. Forde, Medical Superintendent

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

Miss E. Walters, Matron

Miss E. Maxwell, Medical Records Officer

At the end of the period under review the staff of the Medical Records Department was as follows:

| | |
|---------------------|----------------------------|
| The Records Officer | |
| Casualty Section | - 2 Temporary Clerks |
| Appointment Section | - 2 Temporary Clerks |
| Admissions Section | - 2 Temporary Clerks |
| Library Section | - 2 Temporary Clerks |
| Medical Stenography | - 1 Temporary Stenographer |
| Medical Statistics | - 1 Female Clerk |

In-Patients

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 decreased by 1.5 and 2.1 respectively. The average number of daily admissions and discharges has also decreased by one patient. The average daily number of occupied beds for this period under review shows a decrease of 10 below the 1960-61 average.

TABLE "A"
Statistical Analysis of In-Patients

| | 1960-61 | 1961-62 | % |
|--|---------|---------|-----------|
| Total fixed Bed Complement | 453 | 453 | |
| Average Daily No. of occupied beds and cots | 391 | 381 | |
| No. of In-patients at beginning of annual period | 408 | 378 | |
| No. of In-patients at end of annual period | 378 | 394 | |
| No. of In-patients admitted during annual period | 10,651 | 10,482 | Decr. 1.5 |
| No. of In-patients under treatment during annual period | 11,059 | 10,860 | |
| No. of In-patients discharged during annual period including Hospital deaths | 10,721 | 10,500 | Decr: 2.1 |
| Average No. of patients resident daily | 391 | 381 | |
| Daily average admissions | 29 | 28 | |
| Daily average discharges | 29 | 28 | |

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

In-Patient Waiting List

The total number on the waiting list at the end of the period amounted to 1,454 patients as compared with 1,090 patients at the end of the previous year: an increase of 33.9 percent. Cases admitted directly from the waiting lists totalled 694 as compared with the previous year's number 919. Many waiting list cases are still having their admissions delayed especially in the E.N.T. division. The emergency cases which are

admitted directly from Casualty or from the Clinics on the same day of attendance also retard some of the admissions from the waiting list.

TABLE "B"

| Division | At 31st March, 1961 | | At 31st March, 1962 | | At 31st March, | |
|---------------------|---------------------|--------|---------------------|--------|----------------|-------|
| | Male | Female | Male | Female | 1961 | 1962 |
| | | | | | Total | Total |
| General Medicine .. | 2 | 10 | - | - | 12 | - |
| Paediatrics | 45 | 8 | 45 | 4 | 53 | 49 |
| General Surgery .. | 263 | 352 | 435 | 389 | 615 | 824 |
| Gynaecology | - | 277 | - | 403 | 277 | 403 |
| E.N.T. | 56 | 77 | 70 | 93 | 133 | 163 |
| Ophthalmology .. | - | - | 3 | 12 | - | 15 |
| Totals | 366 | 724 | 553 | 901 | 1,090 | 1,454 |

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. There has been an increase in the cases admitted to four of these Specialities:-

- General Medicine
- Paediatrics
- General Surgery
- Nursery

while in the other divisions their admissions show a decrease.

TABLE "C"

| Division | Available Beds Cots & Bassinettes | | No. of Cases Admitted | | No. of Cases Discharged | |
|---|--------------------------------------|---------|--------------------------|---------|----------------------------|---------|
| | 1960-61 | 1961-62 | 1960-61 | 1961-62 | 1960-61 | 1961-62 |
| General Medicine .. | 106 | 106 | 2,711 | 2,717 | 2,432 | 2,356 |
| Tuberculosis | 40 | 40 | 46 | 43 | 66 | 57 |
| Paediatrics | 38 | 38 | 1,175 | 1,329 | 1,142 | 1,219 |
| General Surgery ø .. | 143 | ø 143 | 3,429 | 3,472 | 3,141 | 3,174 |
| Ophthalmology | 27 | 27 | 451 | 432 | 468 | 432 |
| Orthopaedics | 30 | 30 | 390 | 352 | 407 | 295 |
| Police Ward | 4 | 4 | - | - | - | - |
| E.N.T. | - | - | 339 | 213 | 370 | 240 |
| Gynaecology | - | - | 1,238 | 1,033 | 1,252 | 1,095 |
| Obstetrics | 9 | 9 | 806 | 798 | 810 | 787 |
| Nursery | 10 | 10 | 66 | 93 | 35 | 42 |
| Pay Wards "A", "E", "D", Ter.B, Ter.C. | 46 | 46 | * | * | * | * |
| Totals: | 543 | 543 | 10,651 | 10,482 | 10,123 | 9,797 |

N.B. * The number of cases admitted were 1,325; discharged 1,396 as compared with 1,470 admitted; 1,491 discharged for the previous years.

ø Including Gynaecology, Ear, Nose and Throat.

The table "D", following, 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 | |
|--------------------------|---------------|--------------|-----------------|--------------|
| | 1960-61 | 1961-62 | 1960-61 | 1961-62 |
| General Medicine | 1,483 | 1,392 | 1,227 | 1,325 |
| Paediatrics | 693 | 774 | 482 | 555 |
| Skin | - | - | 1 | - |
| T. B. Ward | 28 | 19 | 18 | 24 |
| General Surgery | 1,823 | 1,606 | 1,606 | 1,866 |
| Orthopaedic | 252 | 248 | 138 | 104 |
| E.N.T. | 142 | 89 | 197 | 124 |
| Ophthalmology | 215 | 223 | 234 | 209 |
| Gynaecology | - | - | 1,240 | 1,033 |
| Obstetrics | - | - | 806 | 798 |
| Nursery | 36 | 42 | 30 | 51 |
| Totals | 4,672 | 4,393 | 5,979 | 6,089 |

TABLE "E"
Classification of Births

| Division | 1960-61 | 1961-62 | Percentage |
|-----------------------|---------|---------|-------------|
| Live Births | 647 | 602 | decr: 7.4 |
| B.B.A. | 9 | 18 | incr: 100.0 |
| Still Births | 89 | 92 | incr: 3.3 |
| Twin Births | 21 | 13 | decr: 61.5 |
| Triple Births | 1 | 1 | - |

TABLE "F"
Casualty and General Practitioners' Services

| Division | New Cases | | | Old Cases | | |
|----------------------|---------------|---------------|-------------------|---------------|----------------|-------------------|
| | 1960-61 | 1961-62 | % | 1960-61 | 1961-62 | % |
| Medical and Surgical | 23,816 | 16,520 | Decr: 44.1 | 55,582 | 79,632 | Incr: 43.2 |
| Paediatrics | 9,903 | 7,376 | Decr: 34.2 | 23,395 | 16,195 | Decr: 44.4 |
| Diabetes | 70 | 82 | Incr: 17.1 | 15,789 | 11,687 | Decr: 35.0 |
| Totals | 33,789 | 23,978 | Decr: 40.9 | 94,766 | 107,514 | Incr: 13.4 |

TABLE "G"

| Division | New Cases | | | Old Attendances | | |
|------------------|--------------|--------------|------------------|-----------------|---------------|-------------------|
| | 1960-61 | 1961-62 | % | 1960-61 | 1961-62 | % |
| Medicine | 445 | 700 | Incr: 5.6 | 2,833 | 5,596 | Incr: 97.5 |
| Surgery | 5,841 | 5,112 | Decr: 14.2 | 11,554 | 13,102 | Incr: 13.3 |
| Totals | 6,286 | 5,812 | Decr. 8.1 | 14,387 | 18,698 | Incr: 29.9 |

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

Attendances were 5,596 as compared with 2,833 in the previous period, an increase of 97.5 percent. New patients were 700, an increase of 5.6 percent on the previous total of 445.

Division of Medicine

TABLE "H"

| Division of Medicine | New Cases | | | Old Attendances | | |
|----------------------|-----------|---------|-----------|-----------------|---------|------------|
| | 1960-61 | 1961-62 | % | 1960-61 | 1961-62 | % |
| General Medicine .. | 445 | 700 | Incr: 5.6 | 2,833 | 5,596 | Incr: 97.5 |
| Dermatology | - | - | Incr: - | - | - | Incr: - |
| Total | 445 | 700 | Incr: 5.6 | 2,833 | 5,596 | Incr: 97.5 |

Division of Surgery

There has been a decrease in the totals of new cases treated, while attendances show an increase in comparison to the totals shown for the corresponding period 1960-61. Attendances were 13,102 as compared with 11,554 in the previous period, an increase of 13.3 percent. New patients were 5,112, a decrease of 14.2 percent on the previous total of 5,841.

TABLE "I"

| Division of Surgery | New Cases | | | Old Attendances | | |
|---------------------|-----------|---------|------------|-----------------|---------|-------------|
| | 1960-61 | 1961-62 | % | 1960-61 | 1961-62 | % |
| General Surgery .. | 2,204 | 2,185 | Decr: 0.8 | 4,744 | 5,060 | Incr: 6.6 |
| Orthopaedic .. | 712 | 472 | Decr: 50.8 | 1,808 | 1,620 | Decr: 11.6 |
| E.N.T. | 953 | 728 | Decr: 30.9 | 193 | 294 | Incr: 52.3 |
| Ophthalmology .. | 1,163 | 1,089 | Decr: 6.7 | 2,884 | 3,490 | Incr: 21.0 |
| Dental | 736 | 558 | Decr: 31.8 | 1,752 | 1,866 | Incr: 6.5 |
| Ulcer | 73 | 80 | Incr: 9.5 | 173 | 772 | Incr: 346.2 |
| Total .. | 5,841 | 5,112 | Decr: 14.2 | 11,554 | 13,102 | Incr: 13.3 |

Waiting List of Out-patient Department

At the first of April, 1962, a total of 187 patients were on the active list of cases waiting to be seen in the clinics and of this total 67 were male and 120 female patients. The period of waiting was:-

| | | |
|---------------------------|-------|--------------|
| Under one month | .. | 159 patients |
| Between one to two months | | 28 patients. |

TABLE "J"

| Speciality | Male | Female | Total | Under 1 month | 1-2 months |
|-------------------------|------|--------|-------|---------------|------------|
| Medical | - | 1 | 1 | 1 | - |
| Diabetic | - | - | - | - | - |
| Skin | - | - | - | - | - |
| Paediatric | - | - | - | - | - |
| General Surgery | 17 | 28 | 45 | 35 | 10 |
| Ophthalmology | 11 | 12 | 23 | 23 | - |
| E.N.T. | 12 | 18 | 30 | 30 | - |
| Orthopaedic | - | - | - | - | - |
| Gynaecology | - | - | - | - | - |
| Dental | 27 | 60 | 87 | 69 | 18 |
| Ulcer | - | 1 | 1 | 1 | - |
| Total | 67 | 120 | 187 | 159 | 28 |

Hospital Deaths

The total number of deaths for the year has increased by 16.4 percent with a Mortality Rate of 6.6 as compared with 5.6 in the previous period, and an average days stay of 14 the same as for the corresponding period 1960-61. There has also been a significant increase by 119.0 percent in the total of Nursery deaths.

TABLE "K"

Classification of Hospital Deaths

| Division | 1960-61 | 1961-62 | % |
|--------------------------|---------|---------|-------------|
| General Medicine | 284 | 346 | Incr: 21.8 |
| Paediatrics | 73 | 101 | Incr: 38.3 |
| Skin | - | - | - |
| T.B. Ward | 8 | 5 | Decr: 60.0 |
| General Surgery | 137 | 143 | Incr: 4.3 |
| Orthopaedic | 11 | 16 | Incr: 45.4 |
| E.N.T. | 1 | 1 | - |
| Ophthalmology | 1 | - | - |
| Gynaecology | 1 | 3 | Incr: 200.0 |
| Maternal | 13 | 9 | Decr: 44.4 |
| Nursery | 21 | 46 | Incr: 119.0 |
| Neo-Natal | 48 | 33 | Decr: 45.4 |
| Casualty | 21 | 18 | Decr: 16.6 |
| Total | 619 | 721 | Incr: 16.4 |

Deaths Associated with Anaesthesia

These deaths have not increased but remain the same as for the corresponding period 1960-61.

| | 1960-61 | 1961-62 | % |
|------------------------------------|---------|---------|---|
| Deaths associated with Anaesthesia | 5 | 5 | - |

There has been a decrease in the number of deaths within 24 hours of admission, and of this number 47 were Coroner's inquests.

| | 1960-61 | 1961-62 | % |
|-------------------------------------|---------|---------|-----------|
| Deaths within 24 hours of Admission | 136 | 134 | Decr: 1.4 |

Perinatal Mortality

A combination of the totals of stillbirths and neonatal deaths shows that the perinatal mortality for the period under review has decreased by 9.6 percent. The still-birth rate shows an increase of 3.3 percent although there has been a decrease in the number of births for this period.

TABLE "L"

Perinatal Deaths

| | 1960-61 | 1961-62 | % |
|--------------|---------|---------|------------|
| Still-births | 89 | 92 | Incr: 3.3 |
| Neo-Natal | 48 | 33 | Decr: 45.4 |
| | 137 | 125 | Decr: 9.6 |

Operations

The total number of hospital operations (Major, Minor, and Eye) has decreased by 9.6 percent. The previous year's total was: Major and Minor - 4,806 as compared with 4,562; Eye - 228 as compared with 217. The daily average number of operations (In-Patients) was 13 as compared with 14 for the previous year, and (Out-Patients) 3.

TABLE "M"

Operating Theatres

| | 1960-61 | 1961-62 | % |
|-----------------------------|---------|---------|------------|
| In-Patient (including eyes) | 5,034 | 4,779 | Decr: 5.3 |
| Out-Patient | 1,486 | 1,165 | Decr: 27.5 |
| Total | 6,520 | 5,944 | |

Physiotherapy

The total number of treatments and attendances is 359 for the period under review as compared with 433 for the previous year. The number of new treatments has increased by 14.9 while the old attendances show a decrease of 40.0 percent.

TABLE "N"
Physiotherapy Department

| | New Treatment | | | Old Attendances | | |
|--------------------|---------------|------------|-------------------|-----------------|------------|-------------------|
| | 1960-61 | 1961-62 | % | 1960-61 | 1961-62 | % |
| In-Patient | 97 | 65 | Decr: 49.2 | 113 | 42 | Decr: 62.8 |
| Out-Patient | 84 | 143 | Incr: 70.2 | 139 | 109 | Decr: 21.5 |
| Total | 181 | 208 | Incr: 14.9 | 252 | 151 | Decr: 40.0 |

While it might be stated that the record of the number of persons attending the Casualty and the various clinics of the hospital has shown an upward trend, it is to be pointed out that the new cases have shown a decrease. The increase has been caused by the number of old cases who perhaps by becoming more and more conscious of the facilities given at the hospital are returning for treatment in ever increasing numbers.

THE MENTAL HOSPITAL

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

Population

The total number of patients in residence on 31st December, 1961, was 770 (302 males and 468 females) as against 762 (296 males and 466 females) in 1960.

The average number in residence during the year was 749 (289 males and 460 females) as against 748 (289 males and 459 females) in 1960.

The highest number recorded during the year was 775 as against 776 on 13th November, 1960, and the lowest 739 on 30th April, 1961, as against 748 in 1960. 611 patients (287 males and 324 females) of whom 54 (8.8%) were certified; 126 (20.6%) voluntary; 391 (63.9%) temporary; 41 (6.71%) were sent from the Courts under observation, were admitted during the year as against 551 in 1960 (258 males and 293 females) of whom 72 (13.1%) were certified; 109 (19.8%) voluntary; 342 (62.1%) temporary; 28 (5%) sent from the courts for observation.

547 patients (250 males and 297 females) were sent out during the year, as against 496 (225 males and 271 females) in 1960. The number comprises 197 permanently discharged, 89 discharged after a trial period of usually two to three months, 89 who were afterwards returned from trial, 35 sent from the Courts for observation. 137 patients were still out on trial at the end of the year, of the 41 patients who were sent for observation, 6 were later certified and 4 were still under observation at the end of the year.

The number of deaths were 56 (23 males and 33 females) as against 53 (16 males and 37 females) in 1960.

The main causes of death were:—

| <i>1961</i> | | <i>1960</i> | |
|--|----|--|----|
| Myocardial Degeneration & Arterio-Sclerosis | 27 | Myocardial Degeneration & Arterio-Sclerosis | 25 |
| Cerebral Haemorrhage | 2 | Cerebral Haemorrhage | 3 |
| Sub-Acute Enteritis | 2 | Pulmonary T.B. | 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, but no new cases of Pulmonary Tuberculosis were discovered.

The number of deaths was higher than the previous year. The majority of the deaths occurred amongst the elderly population. The average age was 65 (63 in 1960).

The number of deaths which took place during the last ten years was as follows:—

| <i>1951</i> | <i>1952</i> | <i>1953</i> | <i>1954</i> | <i>1955</i> | <i>1956</i> | <i>1957</i> | <i>1958</i> | <i>1959</i> | <i>1960</i> | <i>1961</i> |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 64 | 60 | 58 | 35 | 44 | 52 | 49 | 53 | 46 | 53 | 56 |

Staff

Dr. J. T. Murray-Aynsley, who was formerly on the staff of this Hospital, was reappointed to the post of Assistant Medical Superintendent on two (2) years' contract with effect from 18th September, 1961.

Mr. V. C. Boyce, Steward, proceeded to the United Kingdom on 19th March, 1961, to undergo a course in Hospital Administration. He returned to the island on 1st August, 1961.

Mr. Colton Bennett was appointed Tutor with effect from 5th February, 1962, in place of Mr. Dermot Nugent whose contract had expired.

Mr. Rawle Springer was promoted to the post of Assistant Head Male Nurse with effect from 1st November, 1961.

Accommodation

For the accommodation of patients there are 35 dormitories holding 380 beds and 417 single rooms, (321 males and 476 females) (Total Accommodation 797).

Treatment

Physical methods, *i.e.* Electro-Convulsive Therapy and Modified Insulin Coma continue to be used with success, although on a reduced scale due to the increased use of tranquillizing drugs and also the tranquillizing effect of the open-door and Occupational Therapy - Modified Insulin Sub-Coma, daily for two months, has been found particularly useful for treating alcoholics and some good results have been obtained. They are more receptive to follow-up psychotherapy and Alcoholics Anonymous. Although many different tranquillizing drugs have been tried out the mainstay are still Chlorpromazine and Stelazine, although there was success with Librium, parnate and parstelin. The percentage of positive V.D.R.L. on blood and C.S.F. is the lowest ever recorded.

There were two (2) deaths from Neuro-Syphilis this year. Deaths from Neuro-Syphilis for the past twelve (12) years were as follows:-

| 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 20 | 13 | 11 | 9 | 7 | 4 | 4 | 3 | - | 2 | 3 | 2 | 2 |

This was the major cause of deaths twelve years ago.

| | 1961 | 1960 |
|-----------------------------------|-------|-------|
| Male V.D.R.L. Test on Blood - 244 | | |
| Positive Blood - 46 | 10.8% | 12.9% |
| Male Test on C.S.F. - 10 | | |
| Positive C.S.F. - 2 | 20% | 23% |
| Female V.D.R.L. Test on Blood 270 | | |
| Positive Blood - 50 | 18.5% | 20.4% |
| Female Test on C.S.F. - 15 | | |
| Positive C.S.F. - 4 | 27% | 30% |

Occupational Therapy

This year has seen a better organised system in the Occupational Therapy Department. A Female Nurse, who, on completion of her R.M.N. in the United Kingdom, took a course in Occupational Therapy, supervises the Handicraft Section. Music and dancing, art classes and bingo are the main features in the evenings. A considerable amount of sewing and other handicraft is also done in the wards. These are very much appreciated by the patients, both male and female.

Recreation

This year has seen further extensions of the patients' recreational facilities.

A group of selected male patients were taken to witness cricket and football matches between the staff and opposing teams.

During the year, Cinema Shows, Police Band Concerts, Salvation Army Concerts, and concerts by other visiting artistes have been staged regularly, and have contributed greatly to the contented attitude of the patients.

More patients than usual were sent to the Annual Industrial Exhibition and there has been a further increase in the number of week-end leaves.

The new feature, Sports Day, in which staff and patients participate, was again successful this year.

Buildings

No new buildings were erected during the year, but an extension was made to the main office. The usual programme for maintenance and upkeep of existing buildings was carried out.

Visitors - Official

His Excellency the Governor and Lady Stow;
Honourable Dr. H. G. Cummins, Premier;
Honourable Mr. DaC. Edwards, Minister of Social Services;
Dr. M. A. Byer, Director of Medical Services.

Unofficial

Mrs. Isabel Lindsay, Dean, School of Social Work, Howard University;
Miss Anne Freeman, R.N., Halifax;
Miss Elaine Harvey, St. Kitts;
Miss Alice C. Legault, Salem, Virginia, U.S.A.;
Miss F. Atkinson, Mental Hospital, Trinidad;
Miss I. Lashley, Dietitian, Mental Hospital, Berbice, British Guiana.

Remarks

The Canteen that has been projected for the hospital has failed to materialize up to the present but the Red Cross, under the supervision of Mrs. Cochrane, comes to the Hospital every Saturday with drinks, sweets, *etc.* for selling to the patients.

I resigned from the Executive Board of the Caribbean Federation for Mental Health to give way to a younger man who could devote more time and would be for a longer period in the Caribbean and Dr. R. A. J. Webb was elected to the Board.

The Third Caribbean Conference was held in Jamaica in April, 1961, and this was a great success and many delegates attended from the Caribbean and other parts of the world. Dr. Vera Rubin, Director of Research Institute for the Study of Man, gave a talk on her Census findings of 10,000 patients from the Caribbean and a Report of all the Hospitals participating with interesting findings and an individual report of Barbados Mental Hospital has been received.

Mr. V. C. Boyce, the Steward, proceeded to the United Kingdom in March, 1961, to attend a course in Hospital Administration. During his absence Mr. L. C. Donovan acted as Steward.

It will be seen that the number of admissions has reached a new high level record (611) and that the percentage of certified admissions has now come down to 8.8 as against 40.1 in 1952 when the new Mental Health Act came into operation. This is evidence of further recognition of the hospital as a Treatment Centre for mental disorder and an increasing realization on the part of the general public that there should be no stigma. They come to visit their relatives and friends in all the wards and wander around freely.

We extend a hearty welcome to Dr. J. Murray-Aynsley who has returned to the Staff and many thanks are due to members of the male and female staff who have given their co-operation and assistance during the year and particularly to Mr. V. C. Boyce, the Steward and Secretary, who has loyally supported me with the administration of this Hospital.

Further information is given in Appendices XX to XXIII.

THE MATERNITY HOSPITAL

Staff

Miss L. V. Fearon, Matron, completed her two-year contract on the 1st February.

Miss Carmen Blackman, Departmental Sister, General Hospital, was appointed to act as Matron, Maternity Hospital, with effect from 1st March, 1961.

Miss C. Inniss, Nurse Midwife, was promoted to the post of Senior Nurse Midwife with effect from the 28th January, due to the resignation of Miss D. Sargeant, Senior Nurse Midwife on 4th January.

Miss G. Inniss was appointed to the post of Nurse Midwife with effect from the 28th January.

Pupil Midwives

| | In Training | Trained Nurse Pupils | Untrained Pupils |
|-------------------------------------|----------------|-------------------------|---------------------|
| From 1st - 31st January .. | 20 | 7 | 13 |
| From 1st February - 31st July .. | 20 | 9 | 11 |
| From 1st August - 10th September.. | 19 | 8 | 11 |
| From 11th September - 31st December | 20 | 8 | 12 |

January, 1961

Nine pupils (6 trained and 3 untrained) including Miss Naomi Burke, who entered in November, 1960, for a refresher course, sat the final Midwifery Examination.

Examination results:- All passed.

February

Eight partly trained pupils entered for training.

July

Twelve pupils (1 trained and 11 untrained) sat the final Midwifery Examination.

Examination results:- 8 passed and 4 failed.

August

Eleven untrained pupils entered for training.

September

One untrained pupil entered for training on the 11th September.

Family Planning Clinic

The teaching is now given by the Nurse Midwife, as the Family Planning Nurses no longer attend. The material is provided by the Family Planning Clinic.

Baby and Post Natal Clinic

These clinics are well attended.

Statistics

| | | | |
|------------------------------|-----|-----|-----|
| Admissions | ... | ... | 667 |
| Discharges | ... | ... | 641 |
| Deliveries | ... | ... | 578 |
| Multiple Pregnancies (twins) | ... | ... | 5 |
| Premature Births | ... | ... | 38 |
| Baby Clinic attendances | ... | ... | 910 |
| Post Natal attendances | ... | ... | 405 |

Statistics - Cont'd.

| | | |
|--|-----|---------------------------|
| Ante-natal attendances | ... | 5,614 |
| Dental benefits issued... | ... | 124 |
| Transfers to Barbados General Hospital ... | ... | 22-16 adults 6 infants |

Reasons for transfer to Barbados General Hospital

INFANTS

- 1 Exomphalos
- 1 Severe Jaundice
- 1 Imperforate Anus
- 1 Nasal deformity & obstruction
- 1 Cardiac condition and Varus deformity
- 1 Genu recurvatum

ADULTS

- 2 Abortions
- 5 Antepartum Haemorrhage
- 4 Disproportion
- 2 Prolonged labour
- 1 Cardiac failure
- 2 Post partum haemorrhage (same patient twice)

| | | | |
|-----------------|-----|-----|------|
| Maternal deaths | ... | ... | None |
| Neonatal deaths | ... | ... | 4 |

Causes of death

- 1 Achondroplasia
- 1 Asphyxia neonatorum
- 2 Prematurity

| | | | |
|-------------|-----|-----|----|
| Stillbirths | ... | ... | 13 |
|-------------|-----|-----|----|

Causes

- 6 Pre-eclamptic toxæmia
- 3 Prolonged labour
- 1 Compression of presenting cord
- 3 Cause unknown (including 1 non-clinic patient)

| | | | |
|-----------------|-----|-----|-----|
| Treatment given | ... | ... | 207 |
|-----------------|-----|-----|-----|

V.D.R.L. Tests

| | | | | | |
|----------|-----|---|-----|-----|-----|
| Positive | 73 | } | ... | ... | 666 |
| Negative | 593 | | | | |

Cord bloods

| | | | | | |
|----------|----|---|-----|-----|----|
| Positive | 28 | } | ... | ... | 46 |
| Negative | 18 | | | | |

General Remarks

The first presentation of Midwifery Certificates was held on the 1st February, and prizes were presented to pupils for the best examination results in 1960 and 1961.

As a result of repairs being carried out to the Maternity Ward, General Hospital, eleven patients were transferred to this hospital for delivery and post-natal care.

THE LEPER HOSPITAL

There were eight (8) male and four (4) female patients in the Hospital on the 1st January, 1961. By the end of the year the number of male patients had been reduced to six (6); but the number of female patients remained the same.

The following statistics are of interest:-

| | |
|--|----|
| Number of patients in residence on 1st January, 1961 | 12 |
| New Admissions | - |
| Re-admissions on compassionate grounds ... | 3 |
| Discharges | 2 |
| Re-discharges | 2 |
| Deaths | 1 |
| In residence on 31st December, 1961... | 10 |
| In residence on 31st December, 1951 ... | 33 |
| In residence on 31st December, 1941... | 57 |

The causes of the death were -

- (a) Congestive cardiac failure;
- (b) Chronic Glomerulo nephritis; and
- (c) Leprosy.

During the year forty-three (43) discharged patients presented themselves at regular intervals for examinations and remain in good physical condition.

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

Mr. C. E. Edwards continued in the post of Superintendent from the 1st January to the 1st July when he was granted one hundred and eighty (180) days' vacation leave. He resumed duty on the 28th December.

Dr. T. N. Blades continued in the post of Visiting Physician throughout the year.

The duties of Chaplain were carried out during this period by the Revd. Father K. F. Hassell.

The matron, Miss V. E. Sealy, continued her studies in nursing in the United Kingdom. From reports submitted by the Matron of the Hospital at which she is undergoing training her progress appears to be satisfactory.

Throughout the year the duties of Matron were carried out by Mrs. E. R. Jules in a satisfactory manner.

Mr. C. H. Riley continued in the post of Steward and Clerk throughout the year and performed the duties of Superintendent during the absence of Mr. C. E. Edwards.

For the Financial Year 1961-62 the expenditure exclusive of Personal Emoluments was as follows:-

| | |
|--------------------------------|------------|
| Provisions and fuel... | \$7,838.07 |
| Clothing and uniform ... | 1,772.90 |
| Cleaning, water and light ... | 1,057.08 |
| Furniture and bedding ... | 360.65 |
| Medicine and dressings ... | 1,647.72 |
| Incidentals | 774.13 |
| Medical boards | - |
| Stationery | 39.23 |
| Dental Treatment | 144.00 |
| Inmate labour | 1,704.80 |
| Casual labour | 4,010.64 |
| Recreation and handicrafts ... | 159.80 |
| Travelling allowance | 149.52 |

The average daily cost per head for general maintenance was \$2.08½ and provisions average \$1.65¼ each per day.

Of the sum of \$11,500.00 provided for the after-care of discharged patients a total of \$11,231.68 was expended.

Inmate labour was used for the following:—

Sweeping and cleaning yards, washing in the laundry, sewing, picking fibre and making beds, weeding lawns and gutters, and attending the helpless. The average number so employed was 4.

During the year eight (8) pairs of pants for the patients were made at the Prisons Department.

Garments washed during the period under review numbered 4,762 while those repaired numbered 325.

During the year the female section of the Hospital was re-arranged and the scattered groups of patients and staff were brought closer together in that section. It is hoped that use may soon be found for the very good buildings and beautiful grounds in the male section which is now closed.

HEALTH CENTRE, ST. MICHAEL

Dr. L. Harney, Medical Officer of Health
Miss B. Williams, Senior Public Health Nurse

Dr. L. Harney, Medical Officer of Health, was granted 180 days' vacation leave with effect from 1st November, 1961. Dr. R. A. J. Webb acted as Medical Officer of Health, Enmore, during Dr. Harney's absence.

Total attendances 72,079.

V.D. Clinics

These are held specifically on Tuesdays and Fridays, but cases are seen on all days with the exception of Thursdays when the Well Baby Clinic stretches the resources of the staff beyond their limits.

Special efforts were made to persuade patients to bring or send their contacts.

Due to staff shortage, no home visiting of contacts was possible nor was any proper contact tracing carried out.

The number of children of both sexes appearing with gonorrhoea or syphilis was noted with considerable concern.

TABLE I
New Gonorrhoea Attendances

| Month | Male | Female | Total |
|----------------|-------|--------|-------|
| April | 150 | 33 | 183 |
| May | 182 | 75 | 257 |
| June | 175 | 58 | 233 |
| *July | 118 | 68 | 186 |
| August | 110 | 58 | 168 |
| September .. | 111 | 70 | 181 |
| October | 139 | 65 | 204 |
| November .. | 100 | 50 | 150 |
| December .. | 80 | 46 | 126 |
| January | 76 | 44 | 120 |
| February | 52 | 37 | 89 |
| March | 113 | 30 | 143 |
| Total:— | 1,406 | 634 | 2,040 |

*Change to new report. Attendance now listed under gonorrhoea instead of injections.

TABLE II
V.D.R.L. Tests

| Month | Male | Female | Total |
|---------------|-------|--------|-------|
| April | 482 | 499 | 981 |
| May | 572 | 365 | 937 |
| June | 403 | 392 | 795 |
| July | 413 | 438 | 851 |
| August | 503 | 401 | 904 |
| September .. | 436 | 461 | 897 |
| October | 527 | 348 | 875 |
| November .. | 415 | 344 | 759 |
| C/F: | 3,751 | 3,248 | 6,999 |

TABLE II - Cont'd.

| Month | Male | Female | Total |
|-------------|-------|--------|-------|
| <i>B/F.</i> | 3,751 | 3,248 | 6,999 |
| December .. | 292 | 306 | 598 |
| January .. | 414 | 316 | 730 |
| February .. | 244 | 185 | 429 |
| March .. | 342 | 476 | 818 |
| Total .. | 5,043 | 4,531 | 9,574 |

TABLE III

New V.D.R.L. Tests

July, 1961 - March, 1962

| Month | MALES | | | FEMALES | | | Total % Positive |
|--------------|------------|--------------|------------|------------|--------------|------------|------------------|
| | No. Tested | No. Positive | % Positive | No. Tested | No. Positive | % Positive | |
| July .. | 301 | 22 | 7.3 | 244 | 17 | 6.9 | 7.2 |
| August .. | 383 | 27 | 7.04 | 294 | 44 | 14.9 | 10.4 |
| September .. | 301 | 37 | 12.2 | 324 | 33 | 10.2 | 11.2 |
| October .. | 389 | 49 | 12.5 | 255 | 23 | 9.02 | 11.2 |
| November .. | 327 | 38 | 11.6 | 255 | 37 | 14.5 | 12.9 |
| December .. | 211 | 21 | 9.9 | 220 | 17 | 7.7 | 8.8 |
| January .. | 293 | 34 | 11.6 | 236 | 27 | 11.4 | 11.5 |
| February .. | 167 | 14 | 8.3 | 130 | 12 | 9.2 | 8.7 |
| March .. | 237 | 23 | 9.7 | 337 | 36 | 10.6 | 10.2 |
| Total .. | 2,609 | 265 | 10.15 | 2,295 | 246 | 10.7 | 10.4 |

TABLE IV

Repeat V.D.R.L. Tests

July, 1961 - March, 1962

| Month | MALE | | | FEMALE | | | Total % Converted to Negative |
|--------------|------------|--------------|-------------------------|------------|--------------|-------------------------|-------------------------------|
| | No. Tested | No. Negative | % Converted to Negative | No. Tested | No. Negative | % Converted to Negative | |
| July .. | 96 | 16 | 16.6 | 77 | 17 | 23.4 | 19.1 |
| August .. | 102 | 18 | 17.6 | 95 | 12 | 12.6 | 15.2 |
| September .. | 112 | 23 | 20.5 | 105 | 32 | 30.4 | 25.3 |
| October .. | 119 | 19 | 15.1 | 74 | 19 | 25.7 | 19.7 |
| November .. | 76 | 12 | 15.8 | 78 | 11 | 14.1 | 14.9 |
| December .. | 63 | 18 | 28.6 | 74 | 12 | 16.2 | 21.9 |
| January .. | 106 | 15 | 14.1 | 71 | 9 | 12.6 | 13.5 |
| February .. | 64 | 13 | 20.3 | 48 | 7 | 14.5 | 17.8 |
| March .. | 92 | 13 | 14.1 | 115 | 24 | 20.8 | 17.8 |
| Total .. | 830 | 147 | 18.0 | 737 | 143 | 19.4 | 18.5 |

From July onward it is possible to make deductions on the prevalence of syphilis in the community. About 10% of all new attendances at the Clinic were positive and this is true for both males and females. Obviously those coming to the Clinic will be a selected group with a greater probability of having a positive blood, the prevalence then in the community as a whole will be less than 10%. (See Table III). This is supported

by a breakdown of the emigrant blood tests. Out of 3,882 tests, 319 were positive giving a percentage of 8.2. This 8% includes weak positives, some of which may in fact be false positives.

An encouraging and unsuspected feature is the high percentage of V.D.R.L. Positives who convert to negative during the year (See Table IV). The conversion rate for men is 18% and for women 19%.

Ante-Natal Clinic

First attendances totalled 339 for the year.

The percentage of very young mothers (11-15 years) has dropped slightly from 2% of first attendances in 1958 to 1.5% in 1961. This finding is reversed in the young mother group (16-20) where the percentage is higher in 1961. There is a strange change in the age group with the highest percentage of mothers. In 1961, this occurs in the 26-30 age group, but in 1958 the largest group (30%) occurred in the 21-25 age group to which in 1961 only 19% of mothers belonged.

There is very little change between the habits of the mothers in 1958 and 1961. 31% of all mothers attended at or before the fourth month in 1958 as compared with 34% in 1961. The fifth month remains the most common month for the first attendance.

Age at First Attendance

| Month | 11-15 | 16-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | Total |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|
| April .. | 1 | 9 | 8 | 10 | 7 | 2 | - | 37 |
| May .. | - | 5 | 5 | 12 | 15 | 3 | 4 | 44 |
| June .. | 1 | 2 | 3 | 4 | 1 | 3 | 2 | 14 |
| July .. | - | 11 | 5 | 8 | 7 | 3 | 2 | 36 |
| August .. | 1 | 9 | 8 | 9 | 8 | 5 | - | 40 |
| September.. | - | 9 | 6 | 8 | 4 | 1 | - | 28 |
| October .. | - | 5 | 7 | 5 | 4 | 3 | - | 24 |
| November.. | 1 | 8 | 9 | 8 | 8 | 1 | 1 | 36 |
| December.. | 1 | 2 | 2 | 4 | 3 | 1 | - | 13 |
| January .. | - | 3 | 5 | 10 | 4 | 4 | 1 | 27 |
| February .. | - | 9 | 3 | 5 | 2 | 2 | - | 21 |
| March .. | - | 5 | 5 | 6 | 2 | 1 | - | 19 |
| Total .. | 5 | 77 | 66 | 89 | 65 | 29 | 8 | 339 |
| Percentage | 1.5 | 22.7 | 19.4 | 26.2 | 19.1 | 8.6 | 2.3 | |

Multiparity

| Children | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|------------|------|------|------|------|-----|------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
| Mothers | 57 | 49 | 48 | 35 | 25 | 17 | 18 | 12 | 4 | 3 | 4 | 5 | 1 | 1 | 1 | 1 |
| Percentage | 20.2 | 17.4 | 17.0 | 12.5 | 8.9 | 6.04 | 6.4 | 4.2 | 1.4 | 1.06 | 1.4 | 1.7 | .35 | .35 | .35 | .35 |

Period of Gestation at First Attendance

| Months | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|------------|------|------|------|------|------|-----|-----|
| Mothers | 27 | 42 | 50 | 41 | 31 | 11 | 3 |
| Percentage | 13.1 | 20.5 | 24.3 | 20.0 | 15.1 | 5.3 | 1.4 |

Well Baby Clinic

First attendances totalled 728 which is a very large increase on 1958 when the figure was 469. This clinic is now so large that it has become unwieldy and even the

cancellation of the other services on this day has not served to ease the burden on the nurses. A work check was carried out to see if anything could be done to speed the babies through and as a result of this a second weighing machine was installed in the waiting room.

The number of children being brought in the early months is falling back. In 1958, 36.5% of all first attendances were brought before they were one month old. This is a little disturbing as the number of immunizing injections which should be given involve an early start and, should the children be brought when too old, this might jeopardize the immunization scheme.

The figures showing immunization practices are more disturbing. Although the percentages completing the triple antigen course are much alike (47% in 1958 and 43% in 1961), the percentage of incompleted courses has more than doubled, and in 1961 nearly one-fifth of children starting the course has defaulted before completion. Equally ominous is the very high proportion of children who have refused any immunization at all. In 1961, 39% of all children refused immunization as opposed to only 16% in 1958. The gross figures are no more encouraging, 512 children who attended the clinic during the year failed to start or complete their immunization course. This is more than the total attendances for 1958. Only 290 smallpox vaccinations were done. This is due to a failure in public health education in the Clinic and to a lack of home visits to the defaulters. In both cases proper staffing could effect this very important function of the Clinic in the education of the public both at home and in the Clinic.

Child Health Clinic

Immunization

| | Completed | Incomplete | In Progress | Not Started |
|----------------------|-----------|------------|-------------|-------------|
| Triple Antigen | 460 | 200 | 110 | 312 |
| Percentage.. .. | 42.5 | 18.5 | 10.1 | 28.8 |

Polio

| | Number | Percentage |
|-----------------|--------|------------|
| Completed | 135 | 38 |
| 2nd Polio | 148 | 41.5 |
| 1st Polio | 73 | 20.5 |

Eye Clinic

Total attendances - 791.

Dental Clinic

Total attendances - 2,068. This service is wholly extraction and is at present limited to children and pregnant women.

Home Visits

Total Visits - 279. This is a drop on the 1958 figure. The reason is shortage of staff.

Mental Hygiene

Total attendances - 27 (from October, 1961). This is a new service designed to maintain as Out-patients persons who would otherwise be likely to require in-patient treatment. Due to staff shortage the essential home visits were much curtailed, and in general only those people willing or able to come to the Health Centre were seen.

When staff permits, psychological testing of adults and children can be carried out, and also intelligence testing of adults and children can be done. Mental Hygiene work requires more time than most other services and the present staff situation denies any efforts other than those taken in this field.

Family Planning

| | | |
|-----------|---|-------|
| New Cases | - | 687 |
| Old Cases | - | 2,462 |

Tuberculosis Clinic

| | | | |
|-------------------------|----|----|-----|
| Cases Notified | .. | .. | 43 |
| Cases under observation | .. | .. | 96 |
| No. of Contacts checked | .. | .. | 227 |

B.C.G. Campaign

| | | | |
|-------------------|----|----|-----|
| Total Attendances | .. | .. | 832 |
| Positives | .. | .. | 429 |
| Negatives | .. | .. | 292 |
| Not Read | .. | .. | 111 |

Vaccinations

The large number was due to a mass vaccination campaign which was carried out in January - February, 1962 when 20,451 school children and 24,937 of the general public were vaccinated by the Public Health Nurses aided by the District Nurses.

At the peak of this campaign the nurses were vaccinating nearly five thousand persons a day in the City alone.

The large number of primary vaccinations given, again stresses the failure of health education to rid the public of its apathy regarding immunization procedures.

Conclusions

In general Enmore Health Centre has reached the saturation point. The staff can cope with the present numbers but only with a loss of efficiency and care. Vital functions such as home visiting cannot be undertaken however essential they may be judged whilst the Centre is faced with the numbers attending the Centre itself. There will be time to give an injection, but no time to discover accurately why the injection is needed, nor will there be time to keep accurate records or to reassure the patient.

It is also my opinion that the time has now come for Enmore to go out to the public. The V.D. Clinics although crowded have reached stasis, but it is known that huge reservoirs of V.D. abound in children and others who never attend the clinics. The same argument applies if a fuller immunization record for the City is required - the nurses must go out to the people.

In fact no service offered at the Centre can be completed effectively without having the staff available to check defaulters, trace contacts and generally see that these services offered are used fully and efficiently by the community.

| Primary and Revaccinations | T.A.B. | Yellow Fever | Tetanus | Diphtheria |
|----------------------------|--------|--------------|---------|------------|
| 60,087 | 3,164 | 108 | 106 | 80 |

X-Ray Department

Routine

| | | | | |
|--------------|-----|-----|-------|-------|
| Total X-Rays | ... | ... | ... | 9,148 |
| Miniatures | ... | ... | 7,930 | |
| Large Films | ... | ... | 1,035 | |

Of the 9,148 persons X-rayed, 3,407 were emigrants.

B.C.G. Campaign

| | | | | |
|--------------|-----|-----|-----|-----|
| Total X-rays | ... | ... | ... | 183 |
| Large Films | ... | ... | 72 | ... |
| Miniatures | ... | ... | 111 | |

Total X-rays for 1960 were 328.

WELL BABY CLINIC

| Month | 0-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-18 | Total |
|---------------|------|------|------|------|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|
| April .. | 13 | 23 | 12 | 7 | 5 | 2 | 1 | 1 | 1 | 3 | - | - | - | 68 |
| May .. | 22 | 26 | 14 | 9 | 4 | 3 | - | - | 1 | - | - | - | - | 81 |
| June .. | 15 | 21 | 9 | 7 | 4 | 1 | 2 | - | - | 1 | - | - | - | 64 |
| July .. | 7 | 21 | 5 | 4 | 1 | - | 3 | 1 | 1 | - | - | - | - | 44 |
| August .. | 8 | 26 | 13 | 3 | 1 | 2 | 1 | 1 | 1 | - | - | - | - | 56 |
| September .. | 20 | 15 | 11 | 6 | 3 | 2 | 2 | - | - | 1 | - | - | - | 60 |
| October .. | 10 | 29 | 6 | 6 | 4 | 2 | 1 | - | - | - | - | - | 1 | 59 |
| November .. | 11 | 24 | 15 | 8 | 1 | 2 | 2 | - | 1 | - | - | 1 | - | 65 |
| December .. | 2 | 15 | 6 | 4 | - | 4 | - | 1 | - | - | - | - | - | 32 |
| January .. | 13 | 25 | 14 | 10 | 5 | 5 | 2 | - | - | 1 | - | 1 | - | 76 |
| February .. | 4 | 17 | 7 | 1 | 5 | 1 | 2 | - | - | - | - | - | - | 37 |
| March .. | 14 | 38 | 17 | 9 | 1 | 4 | 1 | 1 | - | - | - | - | 1 | 86 |
| Total .. | 139 | 286 | 129 | 74 | 34 | 28 | 17 | 5 | 5 | 6 | - | 2 | 3 | 728 |
| Percentage .. | 19.9 | 39.2 | 17.7 | 10.1 | 4.6 | 3.8 | 2.4 | .68 | .68 | .82 | - | .27 | .41 | |

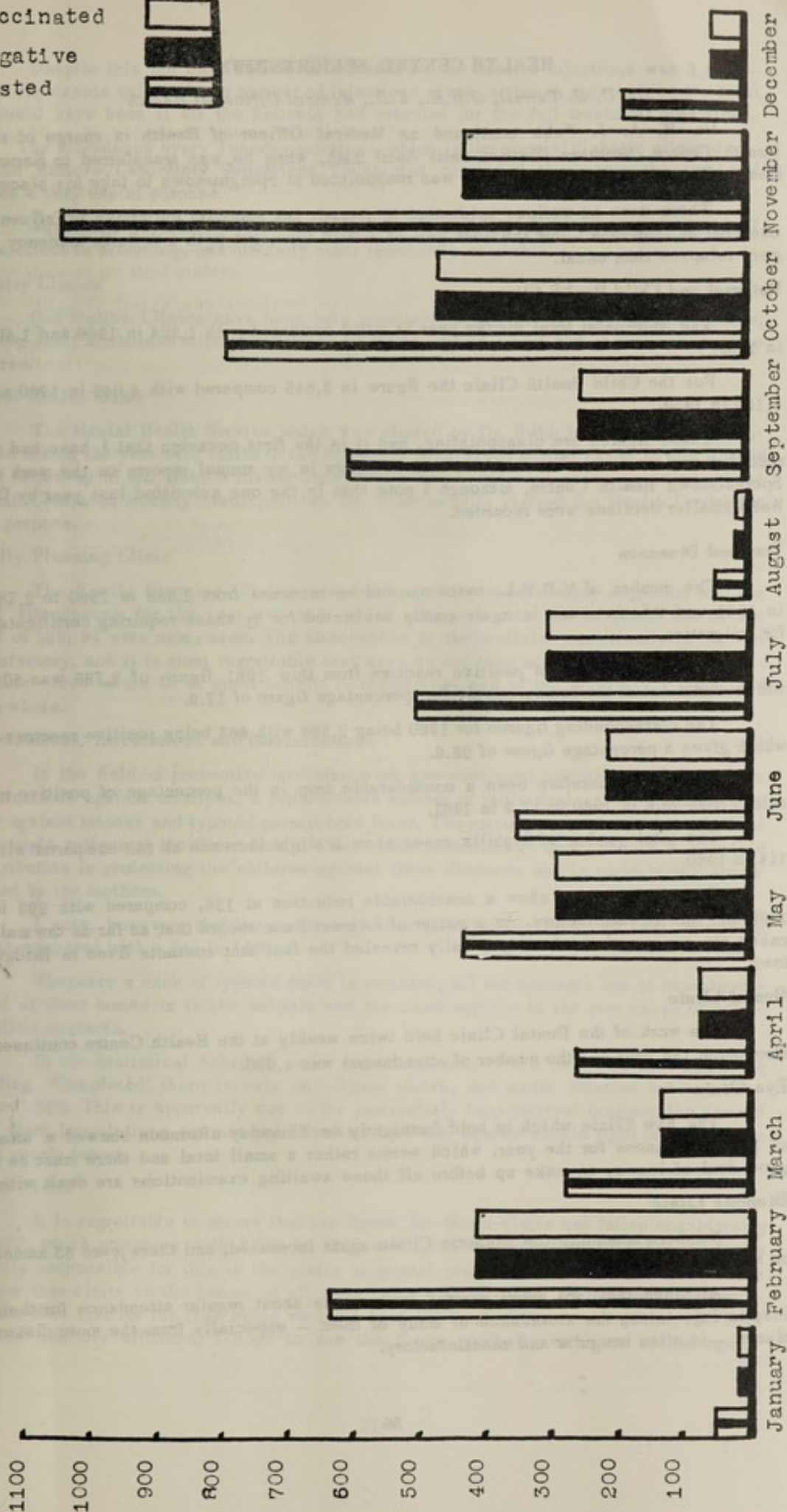
Vaccinated

Negative

Tested



B.C.G. FOLLOW-UP PROGRAMME 1961



HEALTH CENTRE, SPEIGHTSTOWN

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

Dr. R. A. J. Webb continued as Medical Officer of Health in charge of the Health Centre, Northern District until April 24th, when he was transferred to Enmore Health Centre and Dr. C. G. Terrell was reappointed at Speightstown to take his place.

There were no serious epidemics to record, but sporadic outbreaks of influenza occurred at intervals – for the most part of a mild type, but with a definite tendency to more relapses than usual.

Maternal and Child Health Clinics

The Ante-natal total for the year is 1,059 compared with 1,524 in 1960 and 1,606 in 1959.

For the Child Health Clinic the figure is 3,845 compared with 4,042 in 1960 and 4,150 in 1959.

These figures are disappointing, and it is the first occasion that I have had to record a decline in numbers under these headings in my annual reports on the work of Speightstown Health Centre, although I note that in the one submitted last year by Dr. Webb smaller declines were recorded.

Venereal Diseases

The number of V.D.R.L. tests showed an increase from 2,588 in 1960 to 2,788 in 1961 and this increase is again partly accounted for by those requiring certificates for emigration.

The total number of positive reactors from this 1961 figure of 2,788 was 501, which works out at the comparatively low percentage figure of 17.9.

The corresponding figures for 1960 being 2,588 with 663 being positive reactors – which gives a percentage figure of 25.6.

There has therefore been a considerable drop in the percentage of positive reactors from 25.6 in 1960 to 17.9 in 1961.

The total number of Syphilis cases show a slight increase at 133 compared with 114 in 1960.

Gonorrhoea cases show a considerable reduction at 128, compared with 293 in 1960 and this is satisfactory. As a matter of interest I can record that as far as the male cases are concerned the history usually revealed the fact that contacts lived in Bridgetown.

Dental Clinic

The work of the Dental Clinic held twice weekly at the Health Centre continued throughout the year and the number of attendances was 1,950.

Eye Clinic

The Eye Clinic which is held fortnightly on Thursday afternoon showed a total of 327 attendances for the year, which seems rather a small total and there must be a good deal of leeway to make up before all those awaiting examinations are dealt with.

Diabetic Clinic

Numbers attending the Diabetic Clinic again increased, and there were 83 names on the 1961 Register.

Although they are given careful instructions about regular attendance for their insulin injections, the attendance of many of them – especially from the more distant places – is often irregular and unsatisfactory.

Despite this the total number of attendances for Insulin injections was 3,653 – which represents quite a large number of injections given, although nothing like the total it should have been if all the patients had returned for the full treatment prescribed.

The attendance every Tuesday morning – which is the special diabetic clinic day – by the Enmore Laboratory Supervisor Technician continued throughout the year and serves a very useful purpose.

Advantage is taken of this for a special weekly check-up urine analysis of all diabetic cases attending, and also any other specimens available.

Country Clinics

Out Station Clinics have been held regularly throughout the year at Belleplaine, Hillaby and Chimborazo with attendances of 2,064, 1,165 and 1,177 at these respective centres.

Mental Health Clinic

The Mental Health Service which was started by Dr. Webb in October, 1960 continued during the year with visits to the houses of discharged mental cases by the Nurses as a follow-up of Dr. Webb's instructions, and a few occasional cases reporting at the Health Centre on Monday mornings when Dr. Webb usually visited the Health Centre for this purpose.

Family Planning Clinic

The Family Planning Clinics were held regularly every Friday afternoon and the total attendances for the year was 589, which compares with 574 in 1960; and of the total of 589, 94 were new cases. The attendances at these clinics numerically is far from satisfactory, and it is most regrettable that more do not take advantage of this valuable service which would be of great benefit to themselves and to the economy of the island as a whole.

Vaccinations, Inoculations and Immunizations

In the field of preventive medicine work has continued normally, and apart from vaccinations against smallpox, a considerable number of individuals are protected every year against tetanus and typhoid-paratyphoid fever. The routine prophylactic inoculations with triple antigen at the Child Health Clinic have continued as usual and is a valuable contribution in protecting the children against these diseases and is undoubtedly appreciated by the mothers.

I note, however, that the number of these inoculations given in 1961 dropped to 1,003 compared with 1,341 in 1960.

Whenever a case of typhoid fever is reported, all the contacts are at once inoculated at their homes or in the schools and the same applies to the rare cases of poliomyelitis contacts.

In the Statistical Schedule under Immunizations, it will be noted that under the heading 'Completed' there is only one figure shown, and under 'Started but not completed' 363. This is apparently due to the particularly long interval between the second and third inoculations against poliomyelitis and the figures should right themselves in next year's report.

Home Visits

It is regrettable to record that the figure for Home Visits has fallen considerably to 477, which compares with 1,304 in 1960 and 1,727 in 1959. I am told that the factor chiefly responsible for this is the visits to mental health cases which take very much longer than visits to the homes of all those with normal public health service requirements. Now that for the time being we have been relieved of the responsibility of visits of the mentally afflicted, I hope to see the figure gradually return to normal again.

STAFF

Medical Officer of Health

Dr. R. A. J. Webb was in charge of the Health Centre until his transfer to Enmore on April 24, when his place was taken by Dr. C. G. Terrell.

Chief Public Health Inspector

Mr. L. G. Harris was appointed to the Northern District attached to Speightstown Health Centre and assumed duty on 1st April, 1961. This appointment was a welcome help to me and has undoubtedly been of benefit to the Northern District where it is hoped that we shall be successful in raising public health standards. The appointment has been of value in helping to maintain better contact with Northern District Sanitary Inspectors through their Senior Public Health Inspector with his Headquarters at the Northern District office at Holetown, and Mr. Harris has kept in constant touch with him.

He was to a considerable extent responsible for exposing the deterioration in the *Aedes Aegypti* situation in certain of the parishes of the Northern District and much of his time has been occupied in supervising the work of the special unit assigned to this work.

Senior Public Health Nurse

Nurse M. Mayers has continued to hold this post during the year.

Staff Nurse

Nurse M. E. Reade returned from taking the Health Visitors' Course in Jamaica and was successful in obtaining her diploma, and was transferred to Enmore to take over from Nurse A. Barker on 1st August, 1961.

Stenographer

Mrs. P. M. Edwards continued her duties during the year.

Messenger

Mr. Rufus Ramsay-Phillips continued his duties during the year.

Statistical Schedules

The Statistical Schedules showing detailed figures under the various headings are attached.

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 |
|-----------------------|----|----|----|----|----|----|---|---|---|----|----|
| Mothers | 56 | 55 | 68 | 46 | 33 | 22 | 8 | 6 | 5 | 5 | — |

TABLE II

To show age groups to which the expectant mothers belong

| Age Group | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-45 |
|-----------|-------|-------|-------|-------|-------|-------|-------|
| Mothers | 5 | 78 | 82 | 51 | 49 | 26 | 13 |

TABLE III

The Result of the V.D.R.L. Tests done for mothers attending this clinic.

| Negative | Positive | Test not done |
|----------|----------|---------------|
| 264 | 40 | - |

TABLE IV

| Live Births | | Twins | Abortions | Miscarriages | Still Births |
|-------------|--------|-------|-----------|--------------|--------------|
| Male | Female | | | | |
| 164 | 138 | 2 | - | 1 | 3 |

TABLE V

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 | 8+ |
| 4 | - | - | - | - | - | - | - | - |
| 5 | - | - | - | - | - | - | - | - |
| 6 | 7 | 5 | 1 | - | - | - | - | 1 |
| 7 | 10 | 6 | - | - | 1 | - | - | - |
| 8 | 16 | 5 | 2 | 1 | - | - | - | 1 |
| 9 | 27 | 19 | 6 | - | - | 2 | - | 2 |
| 10 | 25 | 31 | 3 | - | - | - | - | 1 |
| 11 | 13 | 32 | 17 | 4 | 1 | - | - | 2 |
| 12 | 5 | 31 | 17 | 4 | 2 | 2 | - | 1 |
| 13 | 3 | 14 | 10 | 3 | 3 | - | - | 1 |
| 14 | 11 | 16 | 14 | 4 | 2 | - | - | 1 |
| 15 | - | 2 | 5 | 9 | 3 | 1 | 1 | 3 |
| 16 | - | 2 | 4 | 3 | 2 | 2 | - | 7 |
| 17 | - | 1 | 1 | 4 | 4 | 2 | 1 | 5 |
| 18+ | - | - | 1 | 5 | 1 | 2 | 1 | 26 |

STATISTICAL SCHEDULE

| | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|----------------------------------|---------|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|--------|
| Patients' Attendances | 2,430 | 2,179 | 2,050 | 1,571 | 2,244 | 2,339 | 1,959 | 1,760 | 1,449 | 1,510 | 1,463 | 1,009 | 21,963 |
| Syphilis Cases .. | 10 | 12 | 18 | 15 | 8 | 10 | 9 | 16 | 11 | 16 | 5 | 3 | 133 |
| V.D.R.L. Tests .. | 282 | 272 | 287 | 206 | 266 | 305 | 246 | 240 | 207 | 201 | 183 | 93 | 2,788 |
| Positive V.D.R.L. Tests .. | 51 | 55 | 55 | 46 | 34 | 54 | 43 | 45 | 42 | 44 | 23 | 12 | 501 |
| Gonorrhoea Cases | 9 | 8 | 8 | 5 | 11 | 12 | 12 | 13 | 12 | 14 | 13 | 11 | 128 |
| Chancroid Cases .. | - | - | - | - | - | - | - | 1 | - | - | - | - | 1 |
| New Ante-natals .. | 27 | 27 | 28 | 20 | 31 | 31 | 30 | 13 | 22 | 37 | 24 | 14 | 304 |
| New Infants .. | 78 | 70 | 47 | 42 | 40 | 47 | 56 | 41 | 32 | 28 | 34 | 13 | 528 |
| Vaccinations and Inoculations .. | 864 | 570 | 443 | 284 | 671 | 1,144 | 372 | 281 | 230 | 208 | 259 | 129 | 5,453 |
| Insulin Treatment | 373 | 303 | 347 | 300 | 343 | 365 | 333 | 330 | 283 | 225 | 204 | 247 | 3,653 |
| D.T.P.P. Immunizations .. | 130 | 94 | 66 | 101 | 83 | 85 | 85 | 96 | 73 | 65 | 61 | 64 | 1,003 |
| Home Visits .. | 45 | 45 | 47 | 44 | 42 | 44 | 80 | 24 | 20 | 19 | 39 | 28 | 477 |

HEALTH CENTRE, SIX CROSS ROADS

Dr. K. L. Standard, Medical Officer of Health

General

The Six Cross Roads' Health Centre is the main centre from which Public Health work in the Southern District was organised.

Staff

Dr. K. L. Standard, Medical Officer of Health, resigned from the service with effect from 31st October, 1961.

After Dr. Standard's departure, Dr. E. Cochrane, Senior Medical Officer of Health carried out the work at the Oistins and Gall Hill Clinics, while Dr. L. B. Bannister acted as part-time Physician for the clinics at Six Cross Roads, St. Augustine, Kendal and Glebe.

Dr. J. Smith and Dr. T. E. Talma were responsible for the dental clinics at Six Cross Roads.

Dr. C. L. Hutson continued as part-time Visiting Physician for the Venereal Disease and Diabetic Clinics at Six Cross Roads.

Dr. H. N. St. John continued fortnightly Ophthalmic Clinics at Six Cross Roads.

Mr. C. E. Haynes was appointed Chief Public Health Inspector, South, with effect from 1st April 1961.

Nurse I. Jones resumed duty on 15th July, after successfully completing the Health Visitors' Course, Royal Society of Health, at the Public Health School, Jamaica.

Thanks are again owed to the Voluntary Workers, Mrs. H. W. Peebles who gave very valuable help with records, and Miss I. Seale who assisted at all the clinics in the District.

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 and Thursday mornings |
| Kendal, St. John | - Thursday afternoons |
| Glebe, St. George | - Friday afternoons |

Services

The following are the services given at the various clinics in the district:-

- (i) *Health Education* - This continues to be an important part of the work carried out at all clinics, where the Public Health Nurses give individual and group instruction in all aspects of Public Health work. In addition, from time to time, talks are given by members of the Staff to Community groups in the district.
- (ii) *Ante-natal* - Ante-natal clinics were held weekly at Six Cross Roads and Oistins and fortnightly at the other stations. At the clinics all expectant mothers are given a blood test for syphilis and treated if necessary. They receive instructions in the hygiene of pregnancy and in infant care. Their progress is regularly checked throughout pregnancy, particularly with regard to blood pressure, albuminuria and weight. They are encouraged to make use of the delivery services in the District.

Table I gives the number of new cases and the attendances for the year 1961.

TABLE I
Ante-natal Cases

| | Six + Roads | Gall Hill | Kendal | St. Augustine | Glebe | Oistins | Total 1961 | Total 1960 |
|-----------------------------|-------------|-----------|--------|---------------|-------|---------|------------|------------|
| New Cases .. | 239 | 45 | — | 40 | 58 | 344 | 726 | 426 |
| Attendances .. | 1,031 | 177 | — | 112 | 229 | 1,392 | 2,941 | 1,379 |
| Average attendance per case | 4.3 | 3.9 | — | 2.8 | 3.9 | 4.0 | 4.1 | 3.2 |

TABLE II
New Ante-natal Cases by Age Group

| | Under 15 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40+ | Total |
|------------------|----------|-------|-------|-------|-------|-------|-----|-------|
| Six + Roads .. | — | 53 | 52 | 58 | 42 | 22 | 12 | 239 |
| Gall Hill .. | — | 10 | 9 | 11 | 10 | 3 | 2 | 45 |
| Kendal .. | — | — | — | — | — | — | — | — |
| St. Augustine .. | — | 11 | 18 | 2 | 3 | 5 | 1 | 40 |
| Glebe .. | — | 11 | 12 | 10 | 15 | 8 | 2 | 58 |
| Oistins .. | 4 | 97 | 75 | 72 | 50 | 36 | 10 | 344 |
| Total 1961.. | 4 | 182 | 166 | 153 | 120 | 74 | 27 | 726 |
| Total 1960.. | 4 | 105 | 118 | 80 | 65 | 39 | 15 | 426 |

Table III gives, by age group, the number of ante-natal cases with positive blood tests.

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

| Age Group | Six + Roads | Gall Hill | Kendal | St. Augustine | Glebe | Oistins | Total |
|-----------------|-------------|-----------|--------|---------------|-------|---------|-------|
| No. under 15 .. | — | — | — | — | — | 4 | 4 |
| No. Positive .. | — | — | — | — | — | — | — |
| % Positive .. | — | — | — | — | — | — | — |
| No. 15-19 .. | 53 | 10 | — | 11 | 11 | 97 | 182 |
| No. Positive .. | — | — | — | — | 2 | 2 | 4 |
| % Positive .. | — | — | — | — | 18.2 | 2.1 | 2.2 |
| No. 20-24 .. | 52 | 9 | — | 18 | 12 | 75 | 166 |
| No. Positive .. | 5 | 1 | — | 2 | 1 | 5 | 14 |
| % Positive .. | 9.6 | 11.1 | — | 11.1 | 8.3 | 6.7 | 8.4 |
| No. 25-29 .. | 58 | 11 | — | 2 | 10 | 72 | 153 |
| No. Positive .. | 7 | 1 | — | — | — | 3 | 11 |
| % Positive .. | 12.1 | 9.1 | — | — | — | 4.2 | 7.2 |
| No. 30-34 .. | 42 | 10 | — | 3 | 15 | 50 | 120 |
| No. Positive .. | 4 | 3 | — | 1 | 1 | 14 | 23 |
| % Positive .. | 9.5 | 30.0 | — | 33.3 | 6.7 | 28.0 | 19.2 |
| No. 35-39 .. | 22 | 3 | — | 5 | 8 | 36 | 74 |
| No. Positive .. | 3 | — | — | — | — | 6 | 9 |
| % Positive .. | 13.6 | — | — | — | — | 16.7 | 12.2 |
| No. 40 + .. | 12 | 2 | — | 1 | 2 | 10 | 27 |
| No. Positive .. | 4 | 1 | — | — | — | 1 | 6 |
| % Positive .. | 33.3 | 50.0 | — | — | — | 10.0 | 22.2 |

TABLE III - Cont'd.

| Age Group | Six + Roads | Gall Hill | Kendal | St. Augustine | Glebe | Oistins | Total |
|-----------------|-------------|-----------|--------|---------------|-------|---------|-------|
| Total No. .. | 239 | 45 | - | 40 | 58 | 344 | 726 |
| No. Positive .. | 23 | 6 | - | 3 | 4 | 31 | 67 |
| % Positive .. | 9.6 | 13.3 | - | 7.5 | 6.9 | 9.0 | 9.2 |

It will be noted that of 726 blood tests, 67 or 9.2% were positive; in 1960, of 486 tests, 50 or 10.3% were positive.

The positive cases were all treated and their bloods re-checked later in the pregnancy; they were encouraged to bring their partners for V.D.R.L. investigation.

(iii) *Child Health* - There were 960 new cases registered at the clinics during the year. The total number of attendances was 7,145; these figures compare with 854 new cases and 5,815 attendances in 1960. The figures for each station are shown in Table IV.

TABLE IV

Child Health Attendances

| | Six + Roads | Gall Hill | Kendal | St. Augustine | Glebe | Oistins | Total 1961 | Total 1960 |
|----------------|-------------|-----------|--------|---------------|-------|---------|------------|------------|
| New Cases .. | 285 | 117 | 11 | 86 | 116 | 345 | 960 | 854 |
| Attendances .. | 2,206 | 781 | 181 | 820 | 939 | 1,888 | 7,145 | 5,815 |

(iv) *Immunization* - Immunization against Smallpox and with Triple Antigen (Diphtheria, Pertussis and Tetanus) was carried out at all clinics in the District throughout the year. Primary Vaccinations against smallpox numbered 642, while 608 revaccinations were carried out. The majority were in infants attending the Child Health Clinics, but a small number was in adults who proposed emigrating from the island. Of the 960 new cases seen at the Child Health Clinics, 357 completed the course of Triple Antigen, 306 started but did not complete the course during the year, while 297 did not start the course. The reasons for failing to complete or to start the course were, in the vast majority of cases, either a late start precluding completion before the year's end or postponement because of ill health. Very few cases of refusal were encountered.

In addition to the above, 223 children were given the first, 214 the second, and 78 the third dose of polio vaccine.

(v) *Screening for Syphilis* - During the year 2,987 blood samples from new cases and 718 from repeat cases were examined by the V.D.R.L. test; of the former 282 or 9.4% and of the latter 557 or 77.6% were reactive. Details as shown in Table V.

TABLE V

Blood Tests for Syphilis

| Centre | New Cases | | | Repeat Cases | | | Total | | |
|------------------|-----------|----------|--------|--------------|----------|--------|-------|----------|--------|
| | No. | No. Pos. | % Pos. | No. | No. Pos. | % Pos. | No. | No. Pos. | % Pos. |
| Six + Roads .. | 1,061 | 71 | 6.7 | 295 | 220 | 74.6 | 1,356 | 291 | 21.5 |
| Gall Hill .. | 400 | 33 | 8.2 | 166 | 145 | 87.9 | 566 | 178 | 31.4 |
| Kendal .. | 30 | 1 | 3.3 | 20 | 19 | 95.0 | 50 | 20 | 40.0 |
| St. Augustine .. | 223 | 15 | 6.7 | 64 | 52 | 81.3 | 287 | 67 | 23.3 |
| Glebe .. | 366 | 59 | 16.1 | 108 | 73 | 67.6 | 474 | 132 | 27.7 |
| Oistins .. | 907 | 103 | 11.4 | 65 | 48 | 73.8 | 972 | 151 | 15.5 |
| Total | 2,987 | 282 | 9.4 | 718 | 557 | 77.6 | 3,705 | 839 | 22.6 |

It should be noted that the figures in Table V include those shown in Table III for expectant mothers.

In 1960, 349 or 12.2 percent of 2,868 new cases and 334 or 76.5 percent of 437 repeat cases were positive. Overall there were 683 or 20.6 percent of 3,305 positive bloods in 1960.

(vi) *School Health Services*

- (a) *Eye Testing* – The Senior Ophthalmic Surgeon of the Barbados General Hospital paid regular fortnightly visits to the St. Philip Health Centre for examining the eyes of children referred from schools. The number of cases seen is shown in Table VI.

TABLE VI

Eye Examinations of School Children

1961 – 278

1960 – 33 (from October, when Clinic started)

- (b) *Dental Services* – Each of the two Dental Surgeons paid one visit a week to the St. Philip Health Centre. At the clinic expectant mothers are attended to as well as school children. The number of cases seen is shown in Table VII below:

TABLE VII

Attendances at Dental Clinics

| | | 1961 | 1960 |
|-----------------------|-----|-------|-------|
| School Children ... | ... | 1,409 | 1,303 |
| Expectant mothers ... | ... | 410 | 223 |
| Total ... | ... | 1,819 | 1,526 |

- (vii) *Laboratory* – The Laboratory work is directed and supervised by the Public Health Laboratory Service. Two technicians attend the Ante-natal Clinics at Six Cross Roads for doing Haemoglobin levels and albuminuria testing of expectant mothers. Details will be found in the laboratory report.

- (viii) *Home Visiting* – Home visiting by the Public Health Nurses is a regular feature of the services offered. During the year 1,207 home visits were paid. Details are shown in Table VIII below:

TABLE VIII

Home Visits

| | Six + Roads | Gall Hill | Kendal | St. Augustine | Glebe | Oistins | Total |
|------------------|-------------|-----------|--------|---------------|-------|---------|-------|
| No. of visits .. | 331 | 163 | 10 | 130 | 105 | 468 | 1,207 |
| 1960 | – | – | – | – | – | – | 481 |

- (ix) *Family Planning* – Regular visits were paid to the clinics throughout the year by members of the Family Planning Association. Advice was given to 200 new and to 624 old cases; in 1960 the figures were 131 and 336 respectively.

Public Health Inspector

On 1st April, 1961, Mr. C. E. Haynes was appointed Chief Public Health Inspector, South, and an office for him was provided at the Six Cross Roads Centre.

Mr. Haynes' first task was to establish a good working relationship between himself and the Public Health Inspectorial staff of the Southern District Council; in this he was eminently successful and throughout the year there existed a cordial and co-operative relationship between himself and the officers of the District Council.

The work of the Chief Public Health Inspector was concerned primarily with the following:

(i) *Environmental Hygiene*

During the year 47 primary schools were inspected, special attention being paid to the state of repair of the buildings and to general sanitary arrangements. Reports were forwarded to the Department of Education.

Premises in all areas of the district were inspected; nuisances which could be dealt with on the spot were remedied, others were referred to the Public Health Inspectors of the Southern District Council, with suggestions and advice for their abatement.

During the year 168 pre-cast concrete units, produced by the Environmental Sanitation Unit, were installed.

(ii) *Scavenging*

A motor truck scavenging service for the Southern District was put into operation by the Council on 26th May; prior to this only the Parish of Christ Church had such a service. At present the service operates daily in Christ Church, four days a week in St. Philip, three days a week in St. George and St. Michael (South) and twice weekly in St. John. This has resulted in considerable improvement in the scavenging in the district.

(iii) *Land Development*

There were 83 applications for the erection or extension of buildings from the Town and Country Planning Department, and 10 for permission to divide and sell land in lots under Section 52 of the Public Health Act, 1908 (as amended 1959-4).

(iv) *Aedes Aegypti Eradication Programme*

The aedes index (Percentage positive premises) in St. John and St. Philip remained low throughout the year, while that in St. George and St. Michael showed a reduction. In Christ Church, however, the index remained persistently high.

The eradication programme consists essentially of inspection of premises and perifocal treatment of water containers with D.D.T. The work is carried out by two teams, one consisting of one supervisor and five inspectors operating in Christ Church and in the Hastings locality of Bridgetown, and the other of one supervisor and six inspectors operating in the parishes of St. Philip, St. George and St. John.

Greater co-operation by the Public Health Inspectors of the District Council is necessary if the eradication programme is to be completed.

(v) *Notifiable Diseases*

During the period under review eleven notifications of infectious diseases were received as follows:-

| | | |
|------------------------|-----|---|
| Enteric Fever ... | ... | 7 |
| Pulmonary Tuberculosis | ... | 2 |
| Broncho pneumonia | ... | 2 |

All the houses where these cases occurred were visited and the occupants given appropriate advice. T.A.B. inoculations were given to 257 contacts of Enteric Fever.

(vi) *Water Samples*

Water samples for bacteriological examination were taken regularly throughout the year from sources and distribution points in the District. Of 103 such samples only 7 were unsatisfactory on first examination, on repeat examination all were found to be satisfactory.

(vii) *Nuisances*

Several complaints of nuisances, involving such things as mosquitoes, flies, refuse disposal and bad odours, 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.

Visitors

Included among the visitors to the Six Cross Roads Health Centre were the following:-

The Honourable Mr. DaCosta Edwards, Minister of Social Services.
Dr. M. A. Byer, O.B.E., Director of Medical Services.
Dr. Donald M. Watkin, W.H.O. Nutritionist.
Miss Monica Green, Save the Children Fund.
Mr. Arthur Robinson, UNICEF Area Chief
Dr. I. B. Lindsay, Dean, School of Social Work, Harvard University.
Dr. J. Arneaud, Senior Pathologist, Trinidad.
Dr. R. Kellett, Government Malariologist, Trinidad.
Professor T. H. Weller, Harvard University.
Miss R. Felsted, Matron, U.C.W.I., Jamaica.
Dr. J. Chopra, W.H.O., Nutrition Adviser.
Miss N. Cunningham, W.H.O. Nursing Adviser.
Miss Stella Landauer, W.H.O. Nursing Consultant.

Thanks

Thanks are due to all members of the Health Centre Staff who throughout the year carried out their duties with keenness and efficiency and with an excellent spirit of co-operation.

STATISTICAL REPORT

District Hospital - Period January to December, 1961

| Month | Total Admissions | Booked | Not Booked | Deliveries | Discharges | Post Natal Clinics | | | Clinics referred from | | | | Non-Clinic Pa-tients | Ref'd. by Self | Transfers to | | | Neonatal Deaths | Still Births | Abortions |
|--------------|------------------|--------|------------|------------|------------|--------------------|--------------------|---------|-----------------------|------------|----------|--------|----------------------|----------------|--------------------|----------|------------------|-----------------|--------------|-----------|
| | | | | | | No. of Clinics | No. of Attendances | Olatins | Six + Roads | St. George | St. John | Enmore | | | Maternity Hospital | Mother's | General Hospital | | | |
| January .. | 5 | 3 | 2 | 6 | 7 | 1 | 4 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| February .. | 18 | 10 | - | 15 | 12 | 3 | 5 | 9 | 4 | 2 | - | 1 | - | - | - | - | - | - | - | - |
| March .. | 22 | 17 | 5 | 22 | 13 | 4 | 12 | 13 | 3 | 1 | 1 | - | 1 | - | - | - | - | - | - | - |
| April .. | 28 | 16 | 4 | 22 | 24 | 4 | 14 | 12 | 11 | - | - | 1 | - | - | - | 1 | - | - | - | 1 |
| May .. | 24 | 16 | 4 | 22 | 27 | 5 | 24 | 14 | 4 | 2 | - | - | - | - | - | - | - | - | - | 1 |
| June .. | 37 | 37 | - | 33 | 37 | 4 | 23 | 22 | 10 | 2 | - | 1 | - | - | - | - | - | - | - | 1 |
| July .. | 37 | 38 | 1 | 39 | 37 | 4 | 20 | 17 | 9 | 2 | - | - | - | - | 3 | - | - | - | - | 2 |
| August .. | 43 | 29 | 7 | 36 | 36 | 5 | 36 | 25 | 9 | 1 | - | 1 | - | - | 3 | - | - | - | - | - |
| September .. | 32 | 24 | 3 | 28 | 30 | 4 | 34 | 13 | 11 | 2 | 2 | 1 | - | - | 2 | - | - | - | - | 1 |
| October .. | 34 | 33 | - | 33 | 32 | 5 | 32 | 20 | 9 | - | - | 1 | - | - | - | 1B | 1 | 1 | - | - |
| November .. | 50 | 39 | 3 | 42 | 47 | 4 | 32 | 36 | 7 | 3 | - | 1 | - | - | 3 | - | - | - | - | 1 |
| December .. | 45 | 42 | - | 42 | 39 | 3 | 22 | 25 | 9 | 3 | 2 | 1 | - | - | 2 | - | - | - | - | 2 |
| Total .. | 384 | 310 | 32 | 347 | 347 | 46 | 258 | 213 | 91 | 19 | 5 | 8 | 1 | 37 | 13 | 1 | 2 | 6 | 5 | 1 |

A - Referred by St. John's Infirmary.
 B - Congenital Deformities.
 C - 6/12 Gestation.

ST. MICHAEL'S CHEST CLINIC
Dr. E. Cochrane, Senior Medical Officer of Health

There were 18 admissions as against 14 in 1960. Of these only 4 were active cases of T.B. of the lungs. Four cases were re-admissions, 2 of them were not active cases and their disease had been arrested but were under-nourished and in need of rest and recuperation. The other two were relapsed cases, both of them had been attending irregularly for out-patient treatment.

On account of the fall in the number of cases, more beds were available to accommodate children with early primary infection.

This is a section of the community for whom hospital accommodation is not available since they are not infectious cases and not seriously ill.

However preventive treatment at this stage ensures complete recovery and lessens the possibility of the active disease in later life. Ten children were admitted and as in the previous year, they all made excellent progress.

Eighteen patients were discharged, much improved and quiescent. There was one death of a patient who had been admitted to the Chest Clinic in 1955.

C = Full treatment
 R = Rest only
 P = Prophylactic treatment

| Case No. | Age | Sex | Admitted | Discharged | Present | Notes |
|----------|-----|-----|----------|------------|---------|-------|
| 1 | 12 | M | 1/1/61 | 1/1/61 | | |
| 2 | 10 | F | 1/1/61 | 1/1/61 | | |
| 3 | 8 | M | 1/1/61 | 1/1/61 | | |
| 4 | 11 | F | 1/1/61 | 1/1/61 | | |
| 5 | 9 | M | 1/1/61 | 1/1/61 | | |
| 6 | 10 | F | 1/1/61 | 1/1/61 | | |
| 7 | 11 | M | 1/1/61 | 1/1/61 | | |
| 8 | 12 | F | 1/1/61 | 1/1/61 | | |
| 9 | 13 | M | 1/1/61 | 1/1/61 | | |
| 10 | 14 | F | 1/1/61 | 1/1/61 | | |
| 11 | 15 | M | 1/1/61 | 1/1/61 | | |
| 12 | 16 | F | 1/1/61 | 1/1/61 | | |
| 13 | 17 | M | 1/1/61 | 1/1/61 | | |
| 14 | 18 | F | 1/1/61 | 1/1/61 | | |
| 15 | 19 | M | 1/1/61 | 1/1/61 | | |
| 16 | 20 | F | 1/1/61 | 1/1/61 | | |
| 17 | 21 | M | 1/1/61 | 1/1/61 | | |
| 18 | 22 | F | 1/1/61 | 1/1/61 | | |

Dr. E. Cochrane
 Senior Medical Officer of Health

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.

The Barbados Nurses' Association operates an employment bureau and administers a Government Grant of \$4,580 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 1961.

General Diseases

| | 1960 | | 1961 | |
|--|--------|-------------------|--------|-------------------|
| | Deaths | % of total Deaths | Deaths | % of total Deaths |
| Diseases of Circulatory System ... | 456 | 21.44 | 539 | 22.37 |
| Diseases of Nervous System and Sense Organs ... | 319 | 15.00 | 358 | 14.85 |
| Diseases of Early Infancy ... | 267 | 12.55 | 264 | 10.95 |
| Neoplasms ... | 230 | 10.81 | 252 | 10.46 |
| Diseases of Respiratory System ... | 215 | 10.11 | 235 | 9.75 |
| Diseases of Digestive System ... | 155 | 7.29 | 197 | 8.17 |
| Senility and Ill-defined conditions ... | 137 | 6.44 | 166 | 6.89 |
| Allergic, Endocrine System, Metabolic and Nutritional Diseases ... | 80 | 3.76 | 107 | 4.44 |

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 1957-61.

Communicable Diseases

Enteric Fever. Fifteen (15) cases were reported as compared with eleven in 1960. There were no deaths from this cause.

| Parish | No. of Cases | |
|------------------|--------------|-----------|
| | 1960 | 1961 |
| St. Andrew .. | 1 | - |
| Christ Church .. | - | - |
| St. George .. | 1 | 4 |
| St. James .. | - | - |
| St. John .. | - | 1 |
| St. Joseph .. | - | - |
| St. Lucy .. | - | - |
| St. Michael .. | 8 | 10 |
| St. Peter .. | - | - |
| St. Philip .. | - | - |
| St. Thomas .. | 1 | - |
| Total .. | 11 | 15 |

Tuberculosis

| Year | Whole Island | | St. Michael | | |
|------|----------------|--------|----------------|------------|--------|
| | Cases Notified | Deaths | Cases Notified | % of Whole | Deaths |
| 1960 | 48 | 16 | 29 | 67.4 | 9 |
| 1961 | 47 | 13 | 35 | 74.5 | 8 |

Diphtheria. One case was reported. There were no deaths.

Venereal Disease. Of the 25 deaths caused by syphilis or 1% of total deaths, one occurred within the first year of life and one from the first to the fourth year.

Leprosy. There were no cases nor deaths reported.

Tetanus. Eighteen deaths were recorded. Of this number nine were infants under one year of age.

Cerebro-Spinal Meningitis. There were no cases nor deaths reported.

Poliomyelitis. There were no cases nor deaths reported.

Leptospirosis. There were no cases nor deaths reported.

Malaria. The Colony remained free from Malaria.

Whooping Cough. Five deaths were reported; 4 were infants under one year.

Part IX. QUARANTINE

No quarantinable diseases were reported during the year.

Routine Rat Control measures were carried out in the Port Area throughout the year.

This area is inspected daily and special attention is paid to mosquito breeding. The Port area is aedes free.

Part X. GENERAL SANITATION

The three Local Government Councils through their Public Health Committees have assumed full responsibility for the sanitation of their respective areas.

In accordance with the provisions of the Public Health Act, 1954 a Medical Officer of Health and a Chief Public Health Inspector are nominated for each Council.

The Medical Officer of Health is entitled to attend all meetings of the Public Committee for his Area in an Advisory and consultative capacity. The Councils have all shown great appreciation of this assistance from the Central Government.

Part XI. FOOD

SUPPLIES AND NUTRITION

The excellent figures recorded in the section for vital statistics are in no small measure due to an improved standard of nutrition in the population generally. Increased catches of fish have been made available to the people, and the large sums of money sent back to Barbados by workers who have found employment abroad, have made it possible for the diet of the average family to be improved.

Part XII. SCHOOL NUTRITION PROGRAMME

The supply of skimmed milk and biscuits enriched with Vitamin B has been continued. This supplement is intended to supply those food factors which are known to be deficient in the diets of the children.

Part XIII. SCHOOL HEALTH SERVICES

| | 1960 | 1961 |
|--|-------|-------|
| Number of children receiving dental care | 7,447 | 8,212 |
| Number of children treated for visual defects | 465 | 648 |
| Number of children provided with spectacles | 161 | 576 |
| Number of repairs to spectacles ... | 74 | 64 |
| Number of replacement of spectacles ... | - | 8 |

The four-fold increase in the number of spectacles provided over a period of only twelve months indicates the demand which exists for this service, a demand which still very greatly exceeds the supply of spectacles.

Part XIV. HEALTH EDUCATION

This is one of the primary functions of the Health Centres. Throughout the year, and at all of the Clinics, no opportunity is lost in bringing to the people who attend the clinics all of the available information on a wide range of health topics.

That this teaching has met with a considerable measure of success, is quite evident. The regular attendances at Ante-natal Clinics, the response to the advice given on immunization programmes for the infants, and the large numbers who attend for blood tests for syphilis, these are indications that patterns of living are being changed.

Classes were arranged for the preparation of public health inspectors for the examinations for the certificate of the Royal Society of Health.

Four persons were selected for training at the West Indies School of Public Health in Jamaica; three were Public Health Inspectors and one was a nurse.

Part XV. SPECIAL AWARD

Perhaps the most outstanding event for the year was the award of the Kettering Shield to Barbados. This shield is one of the awards presented by the National Baby Welfare Council, in its triennial competition for advances in the Maternity and Child Welfare Services in British overseas territories.

The Kettering Shield was awarded to Barbados for:-

“Outstanding advances in the field of maternal and child care especially in

- (i) the great reduction in infant mortality,
- (ii) health education to individuals, the family and the community,
- (iii) the energetic methods of tackling local health problems.”

This award was received by Mrs. M. A. Byer, wife of the Director of Medical Services from the Duchess of Gloucester on Tuesday 11th July, at the Central Hall, Westminster, London.

Part XVI. W.H.O. PERSONNEL

The Department wishes to place on record its great appreciation of the help and advice which it has had from the W.H.O. Personnel, Mr. Carlton Gilks, Mr. James Allen and Miss Norah Cunningham, stationed in Barbados and also for those members of the organisation who have visited the island during the year.

Part XVII. CONFERENCES

The following attended Conferences during the year:-

The Director - Standing Advisory Committee for Medical Research in the British Caribbean held in Barbados from 10th to 13th April.

- Dr. R. A. J. Webb - For summary of a paper presented by the Director of Medical Services on Screening for syphilis please see Appendix XXIV.
- Miss E. Walters, Matron, General Hospital. - Steering Committee of Nursing Administrators from 24th - 28th April at Federal House, Port of Spain.
- Dr. E. Cochrane, Acting Director of Medical Services. - Conference of Ministers of Health in the West Indies held at Federal House from 17th - 21st July, 1961.

Part XVIII. VISITS

- Dr. D. M. Watkin, Adviser in Nutrition, Zone I & II.
 Miss Verna Huffman, W.H.O. Nursing Consultant.
 Miss Monica Green, Save the Children Fund.
 Professor E.T.C. Spooner, Medical Research Board.
 Dr. R. Lewthwaite, C.M.G., O.B.E., Adviser on Medical Research to the Secretary for Technical Co-operation.
 Sir Harold Himsworth, K.C.B., F.R.S., F.R.C.P., Secretary of the Medical Research Council of Great Britain.
 Professor Thomas Weller, Tropical Public Health, Harvard University.
 Mr. Holgote, F.R.C.S., Surgeon Specialist, Grenada.
 Miss E. Felsted, Matron, U.C.W.I. Hospital.
 Dr. G. H. K. Gentle, W.H.O. V.D. Consultant.
 Dr. Ken Stuart, Senior Lecturer in Medicine, U.C.W.I. Hospital.
 Dr. Joan Angus, Lecturer in Paediatrics.
 Dr. Kupka, W.H.O.
 Miss F. Williamson, ICA Health Educator.
 Dr. J. S. Garrow, Scientific Secretary, Tropical Metabolism Unit, U.C.W.I.
 Miss J. Thomson, W.H.O. Nursing Consultant, Zone I Office.

Part XIX. FINANCE

The following financial statement of expenditure and revenue is for the year 1961-62:

| | |
|---------------------------------|------------|
| Director of Medical Services .. | \$ 164,739 |
| General Hospital .. | 1,822,147 |
| Mental Hospital .. | 534,135 |
| Lazaretto .. | 45,755 |
| District Hospital Services .. | 30,955 |
| Health Centres.. | 267,263 |
| Maternity Hospital .. | 47,517 |
| <i>Grants</i> | |
| Barbados Nurses Association .. | 4,580 |
| <i>Revenue</i> | |
| Total Medical Departments .. | 122,444 |

Part XX. CONCLUSION

Once again I wish to place on record my very sincere thanks to all members of the staff in all the sections of this department for the way in which they have endeavoured to meet the steadily increasing demand for services which are so very essential to the community.

Their efficiency, loyalty and personal interest in the work has enabled this Department to present another report which registers several valuable steps on the road to Better Health of the community.

M. A. BYER
 Director of Medical Services.

APPENDIX I

Dr. F. N. Grannum, Health Officer (Port) performed his duties until the 15th June when he went on Overseas Leave.

During his absence, Dr. J. E. Walcott, Assistant Health Officer (Port), was appointed to act as Health Officer (Port).

Mr. W. A. Abrahams, Government Chief Public Health Inspector was appointed to act as Assistant Health Officer (Port) with effect from 15th June, in conjunction with his other duties.

SHIPPING

During the year 1961, 1,473 ships were admitted to the Port of Bridgetown representing a total nett tonnage of 2,520,983 tons.

This tonnage was apportioned as follows:-

| | | | | |
|-------------------------|---|-------|---|----------------|
| Total Merchant Shipping | - | 1,374 | - | 2,492,665 tons |
| Others | - | 99 | - | 28,318 tons |
| Total shipping for year | - | 1,473 | - | 2,520,983 tons |

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

| YEAR | NUMBER OF SHIPS | NETT TONNAGE |
|---------|-----------------|--------------|
| 1957 .. | 1,090 | 2,063,689 |
| 1958 .. | 1,129 | 2,024,130 |
| 1959 .. | 1,277 | 2,199,124 |
| 1960 .. | 1,358 | 2,384,269 |
| 1961 .. | 1,473 | 2,520,983 |

APPENDIX I - Continued

Return of Shipping for the year 1961

MERCHANT SHIPPING

| CLASSES OF VESSELS | NATIONALITY | NUMBER OF VESSELS | NETT TONNAGE |
|-------------------------|-------------|-------------------|--------------|
| Steam and Motor | British | 518 | 945,739 |
| | Norwegian | 120 | 298,632 |
| | Dutch | 77 | 163,592 |
| | German | 63 | 83,703 |
| | American | 50 | 119,194 |
| | Liberian | 47 | 73,446 |
| | Italian | 35 | 166,964 |
| | French | 34 | 214,321 |
| | Panamanian | 28 | 47,984 |
| | Netherlands | 23 | 146,249 |
| | Venezuelan | 15 | 6,214 |
| | Canadian | 11 | 1,830 |
| | Spanish | 9 | 64,232 |
| | Swedish | 7 | 22,316 |
| | Nicaraguan | 4 | 4,542 |
| | Danish | 4 | 10,614 |
| | Greek | 3 | 11,324 |
| Israeli | 2 | 10,362 | |
| Honduran | 1 | 213 | |
| Swiss | 1 | 2,666 | |
| | | 1,052 | 2,394,137 |
| Tankers | Panamanian | 9 | 14,389 |
| | British | 9 | 16,488 |
| | Norwegian | 8 | 23,486 |
| | American | 4 | 3,816 |
| | Dutch | 2 | 6,798 |
| | Greek | 2 | 13,108 |
| | Liberian | 1 | 155 |
| | Swedish | 1 | 6,522 |
| | | 36 | 84,762 |
| Sailing Vessels | British | 286 | 13,766 |
| | | | |
| TOTAL MERCHANT SHIPPING | | 1,374 | 2,492,665 |

APPENDIX I - Continued

| CLASSES OF VESSELS | NATIONALITY | NUMBER OF VESSELS | NETT TONNAGE |
|------------------------------|---------------|-------------------|--------------|
| Yachts | British | 43 | 1,100 |
| | American | 21 | 1,924 |
| | Austrian | 2 | 20 |
| | Panamanian | 4 | 284 |
| | French | 2 | 40 |
| | German | 2 | 14 |
| | Australian | 1 | 13 |
| | Venezuelan | 1 | 35 |
| | Swedish | 1 | 56 |
| | South African | 1 | 25 |
| | Costa Rican | 1 | 42 |
| | | 79 | 3,553 |
| Naval Ships | American | 7 | 5,550 |
| | British | 6 | 14,267 |
| | Venezuelan | 2 | 2,460 |
| | Canadian | 1 | 2,100 |
| | | 16 | 24,377 |
| Tug | British | 1 | 204 |
| | Norwegian | 1 | 21 |
| | | 2 | 225 |
| Barge | American | 2 | 163 |
| TOTAL OTHER SHIPPING | | 99 | 28,318 |
| TOTAL MERCHANT SHIPPING | | 1,374 | 2,492,665 |
| TOTAL OTHER SHIPPING | | 99 | 28,318 |
| TOTAL SHIPPING FOR YEAR 1961 | | 1,473 | 2,520,983 |

AIRCRAFT 1961

| Nationality | Aircraft |
|------------------|----------|
| British | 2,601 |
| American | 664 |
| Canadian | 221 |
| French | 203 |
| Venezuelan | 14 |
| Dutch | 12 |
| Brazilian | 1 |
| Dominican | 1 |
| Mexican | 1 |
| Belgian | 1 |
| TOTAL | 3,719 |

APPENDIX II

CASES OF NOTIFIABLE DISEASES FOR THE YEAR 1961
DISTRIBUTION OF CASES BY PARISHES

| DISEASES | St. Michael | Christ Church | St. George | St. Philip | St. John | St. James | St. Thomas | St. Peter | St. Lucy | St. Joseph | St. Andrew | TOTAL |
|------------------------------|-------------|---------------|------------|------------|----------|-----------|------------|-----------|----------|------------|------------|-------|
| Cerebro-spinal Meningitis .. | - | - | - | - | - | - | - | - | - | - | - | - |
| Cholera .. | - | - | - | - | - | - | - | - | - | - | - | - |
| Diphtheria .. | 1 | - | - | - | - | - | - | - | - | - | - | 1 |
| Enteric Fever .. | 10 | - | 4 | - | 1 | - | - | - | - | - | - | 15 |
| Leprosy .. | - | - | - | - | - | - | - | - | - | - | - | - |
| Leptospirosis .. | - | - | - | - | - | - | - | - | - | - | - | - |
| Plague .. | - | - | - | - | - | - | - | - | - | - | - | - |
| Polio-myelitis .. | - | - | - | - | - | - | - | - | - | - | - | - |
| Smallpox .. | - | - | - | - | - | - | - | - | - | - | - | - |
| Tuberculosis .. | 35 | 2 | 2 | 1 | 1 | - | 1 | - | - | 3 | 2 | 47 |
| Typhus Fever .. | - | - | - | - | - | - | - | - | - | - | - | - |
| Yellow Fever .. | - | - | - | - | - | - | - | - | - | - | - | - |

APPENDIX III

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1961 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

| CAUSE GROUPS | St. Michael | | St. 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 | |
| | I. Infective and Parasitic Diseases | 24 | 10 | 6 | 4 | 2 | 7 | 6 | 5 | 4 | 3 | 3 | 2 | - | 1 | 1 | - | - | 2 | 3 | 3 | 3 | 2 | 1 | 51 | 38 |
| II. Neoplasms | 32 | 76 | 17 | 27 | 2 | 10 | 3 | 10 | 7 | 9 | 7 | 10 | 4 | 4 | 3 | 7 | 4 | 5 | 1 | 5 | 3 | 6 | 83 | 169 | 252 | |
| III. Allergic, Endocrine System, Metabolic and Nutritional Diseases | 20 | 23 | 5 | 11 | 2 | 5 | 6 | 4 | 3 | 2 | - | - | 6 | 2 | - | - | 2 | 2 | 6 | 5 | 1 | 2 | 51 | 56 | 107 | |
| IV. Diseases of Blood and Blood Forming Organs | 2 | 4 | 1 | 1 | - | - | 1 | 1 | - | - | 1 | - | - | - | - | - | - | 1 | - | 1 | - | - | 5 | 8 | 13 | |
| V. Mental Psychocheroctic and Personality Disorders | 4 | 4 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 9 | |
| VI. Diseases of Nervous System and Sense Organs | 67 | 92 | 20 | 27 | 15 | 23 | 13 | 8 | 12 | 8 | 4 | 13 | 7 | 9 | 6 | 10 | 5 | 6 | 2 | 3 | 2 | 6 | 153 | 205 | 358 | |
| VII. Diseases of Circulatory System | 84 | 156 | 24 | 42 | 10 | 27 | 13 | 24 | 7 | 18 | 7 | 28 | 7 | 10 | 9 | 15 | 5 | 14 | 9 | 15 | 3 | 12 | 178 | 361 | 539 | |
| VIII. Diseases of Respiratory System | 42 | 51 | 13 | 10 | 7 | 12 | 7 | 2 | 2 | 1 | 9 | 4 | 11 | 3 | 20 | 11 | 7 | 7 | 4 | 3 | 6 | 3 | 128 | 107 | 235 | |
| IX. Diseases of Digestive System | 37 | 38 | 5 | 13 | 11 | 6 | 9 | 13 | 7 | 3 | 4 | 3 | 9 | 5 | 4 | 4 | 4 | 4 | 6 | 4 | 5 | 3 | 101 | 96 | 197 | |
| X. Diseases of Genito-Urinary System | 21 | 14 | 1 | - | 2 | 1 | 3 | 3 | - | 1 | 2 | 2 | 3 | - | 1 | 1 | 1 | - | - | - | - | 1 | 35 | 22 | 57 | |
| XI. Deliveries and Complications of Pregnancy, Child Birth and the Puerperium | - | 10 | - | - | - | 1 | - | - | - | - | - | - | - | 2 | - | 1 | - | - | - | - | - | 1 | - | 15 | 15 | |
| XII. Diseases of the Skin and Cellular Tissue | - | 7 | - | 3 | - | 2 | - | - | - | - | - | 1 | - | 3 | - | - | - | 1 | - | - | - | - | - | 17 | 17 | |
| XIII. Diseases of the Bones and Organs of Movement | 1 | 4 | - | - | - | - | 2 | 3 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 11 | |
| XIV. Congenital Malformations | 7 | 1 | 2 | 3 | - | 1 | 1 | 1 | - | 1 | - | - | - | - | 1 | 2 | - | - | - | 1 | 1 | - | 12 | 10 | 22 | |
| XV. Certain Diseases of Early Infancy | 52 | 56 | 14 | 16 | 15 | 12 | 12 | 9 | 4 | 10 | 5 | 9 | 11 | 6 | 8 | 3 | 4 | 3 | 6 | 3 | 4 | 2 | 135 | 129 | 264 | |
| XVI. Symptoms, Senility and Ill-defined Conditions | 32 | 47 | 7 | 15 | 1 | 2 | 3 | 11 | - | - | 2 | 7 | 4 | 9 | 4 | 7 | 1 | 5 | 1 | 5 | 2 | 1 | 57 | 109 | 166 | |
| XVII. Accidents, Poisonings and Violence (External) | 17 | 4 | 5 | 2 | 2 | 2 | 4 | 1 | 2 | - | 2 | 2 | 1 | - | 7 | 1 | 1 | 1 | 3 | - | 2 | - | 46 | 13 | 59 | |
| XVIII. Accidents, Poisonings and Violence (Nature) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL ALL GROUPS | 442 | 597 | 120 | 174 | 69 | 111 | 84 | 95 | 48 | 56 | 47 | 81 | 63 | 54 | 64 | 62 | 34 | 51 | 41 | 48 | 32 | 37 | 1,044 | 1,366 | 2,410 | |

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1961 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

| Intermediate List Number | CAUSE GROUPS | Detailed List Numbers | St. Michael | | St. 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 | M | F | Total |
| | | | A 1 | Tuberculosis of respiratory system | 001-008 | 6 | 2 | 2 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 | .. | .. | 9 |
| A 6 | Congenital Syphilis | 020 | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | .. | 2 | | |
| A 7 | Early Syphilis | 021 | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | | |
| A 10 | All other Syphilis | 022, 023 } 026-029 } | 10 | 3 | 2 | .. | .. | 1 | 3 | 1 | 2 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 | .. | 16 | 9 | 25 | | |
| A 11 | Gonococcal infections | 030-035 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | | |
| A 13 | Paratyphoid fever and other Salmonella infections | 041, 042 | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | | |
| A 16(a) | Bacillary dysentery | 045 | 1 | .. | .. | .. | 3 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 3 | 4 | | |
| (c) | Other unspecified forms of dysentery | 047, 048 | .. | 1 | .. | 1 | .. | 1 | .. | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 5 | 6 | | |
| A 18 | Streptococcal sore throat | 051 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 2 | | |
| A 20 | Septicaemia and pyaemia | 053 | 1 | 2 | .. | 1 | .. | .. | 2 | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 3 | 4 | 7 | | |
| A 22 | Whooping cough | 056 | .. | 1 | .. | .. | .. | .. | .. | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 2 | .. | .. | .. | .. | 1 | 4 | 5 | | |
| A 26 | Tetanus | 061 | 2 | .. | 1 | 1 | 1 | 4 | 3 | .. | 2 | 1 | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | 1 | 12 | 6 | 18 | | |
| A 34 | Infectious hepatitis | 092 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | | |
| A 43(1) | All other diseases classified as infective and parasitic | 010-138 140-148 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 2 | 1 | 3 | | |
| A 44 | Malignant neoplasm of buccal cavity and pharynx | 150 | 6 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 6 | 1 | 7 | | |
| A 45 | Malignant neoplasm of oesophagus | 151 | 4 | 3 | 3 | .. | .. | 3 | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 13 | 5 | 18 | | |
| A 46 | Malignant neoplasm of stomach | 152, 153 | 9 | 7 | 1 | 6 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | .. | .. | 1 | 1 | 1 | .. | .. | .. | 1 | 19 | 19 | 38 | | |
| A 47 | Malignant neoplasm of intestine, except rectum | 154 | 2 | 5 | .. | 3 | .. | 1 | .. | 1 | 2 | .. | 1 | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | 6 | 11 | 17 | | |
| A 48 | Malignant neoplasm of rectum | 161 | .. | 2 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 3 | 3 | | |
| A 49 | Malignant neoplasm of larynx | 162, 163 | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 | 2 | | |
| A 50 | Malignant neoplasm of trachea, and bronchus and lung not specified as secondary | 170 | 3 | 3 | 4 | .. | .. | 2 | .. | .. | 1 | .. | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 9 | 6 | 15 | | |
| A 51 | Malignant neoplasm of breast | 171 | .. | 9 | .. | 3 | .. | 2 | .. | 1 | .. | 1 | .. | 2 | .. | .. | 2 | .. | 1 | .. | .. | 2 | .. | .. | .. | 25 | 25 | | |
| A 52 | Malignant neoplasm of cervix uteri | 172-174 | .. | 16 | .. | 1 | .. | 2 | .. | 4 | .. | 3 | .. | 3 | .. | .. | 2 | .. | 2 | .. | .. | .. | .. | .. | .. | 34 | 34 | | |
| A 53 | Malignant neoplasm of other and unspecified parts of uterus | 177 | .. | 6 | .. | 6 | .. | .. | .. | 1 | .. | 1 | .. | 1 | .. | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 19 | 19 | | |
| A 54 | Malignant neoplasm of prostate | 196, 197 | 2 | .. | 1 | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 5 | .. | 5 | | |
| A 56 | Malignant neoplasm of bone and connective tissue | | .. | 1 | .. | 1 | .. | 1 | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | 2 | 4 | 6 | | |

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1961 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 | |
| | | | A 57 | Malignant neoplasm of all other and unspecified sites | 155-160 164, 165 175, 176 178-181 192-195 198, 199 204 | 3 | 15 | 7 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 |
| A 58 | Leukaemia and leukaemia.. | 204 | 1 | 5 | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 6 | 8 |
| A 59 | Lymphosarcoma and other neoplasms of lymphatic and haematopoietic system .. | 200-203 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 3 | 5 |
| A 60 | Benign neoplasms and neoplasms of unspecified nature .. | 210-239 | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 2 | 3 |
| A 63 | Diabetes mellitus.. | 260 | 4 | 17 | 4 | 3 | .. | 2 | 2 | 3 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 | 3 | 1 | .. | 15 | 28 | 43 | |
| A 64(b) | Pellagra.. | 281 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 |
| (c) | Scurvy .. | 282 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| (d) | Other deficiency states .. | 283-286 | 11 | 2 | 1 | 7 | 2 | 3 | 2 | 1 | 3 | 1 | .. | .. | 4 | 2 | .. | .. | .. | 1 | 1 | 3 | 4 | 1 | 1 | 28 | 22 | 50 |
| A 65(c) | Other specified and unspecified anaemias .. | 292, 293 | 2 | 4 | 1 | 1 | .. | .. | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 5 | 8 | 13 |
| A 66(a) | Asthma .. | 241 | 3 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 5 | .. | 5 |
| | | 240 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | | 242-245 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | | 253, 254 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | | 270-277 | 2 | 3 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 3 | 4 | 7 |
| | | 287-289 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | | 294-299 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| A 67 | Psychosis .. | 300-309 | 3 | 4 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 4 | 4 | 8 |
| A 69 | Mental deficiency .. | 325 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 |
| A 70 | Vascular lesions affecting central nervous system .. | 330-334 | 59 | 81 | 19 | 24 | 12 | 21 | 11 | 8 | 11 | 8 | 4 | 12 | 7 | 8 | 6 | 10 | 4 | 6 | 2 | 3 | 2 | 5 | 137 | 186 | 323 | |
| A 71 | Nonmeningococcal meningitis .. | 340 | 2 | 2 | .. | .. | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 4 | 3 | 7 |
| A 72 | Multiple Sclerosis .. | 345 | .. | 1 | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 2 |
| A 73 | Epilepsy.. | 353 | 1 | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 3 | 5 |

(b) All other allergic disorders, endocrine, metabolic and blood diseases

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1961 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 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 78(b) All other diseases of nervous system and sense organs | 341-344 350-352 354-357 360-369 395-398 | 5 | 6 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 11 | 21 | | |
| A | 79 Rheumatic fever | 400-402 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 80 Chronic rheumatic heart disease | 410-416 | 1 | 2 | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 81 Atherosclerotic and degenerative heart disease | 420-422 | 25 | 28 | 14 | 23 | 7 | 21 | 5 | 13 | 2 | 6 | 4 | 19 | 3 | 3 | 2 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 82 Other diseases of heart | 430-434 | 19 | 32 | 2 | 3 | .. | .. | .. | 1 | .. | 1 | .. | 1 | .. | 2 | 2 | 3 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 83 Hypertension with heart disease | 440-448 | 12 | 10 | 3 | 6 | .. | .. | .. | 1 | 1 | .. | 3 | 2 | .. | 1 | 8 | 2 | 3 | 1 | 3 | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 84 Hypertension without mention of heart | 444-447 | 5 | 24 | 1 | 6 | 1 | 3 | .. | 2 | .. | .. | .. | 4 | 2 | 2 | 3 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 85 Diseases of Arteries | 450-456 | 19 | 58 | 4 | 4 | 2 | 3 | 5 | 4 | 4 | 10 | 1 | 1 | .. | 3 | 1 | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 86 Other diseases of Circulatory system | 460-468 | 3 | 2 | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 87 Acute upper respiratory infections | 470-475 | 1 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 89 Lobar pneumonia | 490 | 8 | 8 | 2 | 3 | 2 | .. | 2 | .. | .. | 1 | .. | .. | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 90 Bronchopneumonia | 491 | 19 | 30 | 5 | 7 | 5 | 10 | 2 | 1 | 1 | .. | 4 | 2 | 6 | 2 | 3 | 3 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 91 Primary atypical, other and unspecified pneumonia | 492, 493 | 1 | 2 | 2 | .. | .. | .. | .. | 1 | .. | .. | 1 | 1 | 2 | .. | 7 | 3 | 2 | 3 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| A | 92 Acute bronchitis | 500 | .. | 1 | .. | .. | .. | .. | 2 | .. | .. | .. | 1 | .. | .. | 9 | 3 | 2 | 3 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 93 Bronchitis, chronic and unqualified | 501, 502 | 2 | 4 | 1 | .. | .. | .. | .. | .. | 1 | .. | 2 | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| A | 94 Hypertrophy of tonsils and adenoids | 510 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 95 Empyema and abscess of lung | 518, 521 | 1 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 96 Pleurisy | 519 | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 97(b) All other respiratory diseases | 511-517 520, 522 524-527 | 10 | 6 | 1 | .. | .. | 1 | 1 | .. | .. | .. | .. | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| A | 99 Ulcer of stomach | 540 | 1 | 2 | .. | 1 | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 100 Ulcer of duodenum | 541 | .. | .. | .. | .. | .. | .. | 1 | 1 | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 101 Gastritis and duodenitis | 543 | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 102 Appendicitis | 550-553 | .. | 1 | .. | .. | 2 | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | |
| A | 103 Intestinal obstruction and hernia | 560, 561, 570 | 4 | 8 | .. | .. | 2 | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1961 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 | M | F | Total | |
| | | | AE 146 | Accidental drowning and submersion | E929 E910, 911 E913-915 | 3 | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| AE 147 | All other accidental causes | E921, 922 E924-926 E930-962 | 8 | 2 | 2 | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | 19 | 3 | 22 |
| AE 148 | Suicide and self-inflicted injury | E963, 970-979 | 2 | .. | 2 | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 6 | - | 6 |
| AE 149 | Homicide and injury purposely inflicted by other persons (not in war) | E964, 980-995 | 1 | .. | 1 | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 2 | 4 |
| | TOTAL NUMBER OF DEATHS | | 442 | 597 | 120 | 174 | 69 | 111 | 84 | 95 | 48 | 56 | 47 | 81 | 63 | 54 | 64 | 62 | 34 | 51 | 41 | 48 | 32 | 37 | 1,044 | 1,366 | 2,410 | | | |

APPENDIX VI

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

1961

Estimated Population: Urban - (Bridgetown, St. Michael) .. 94,265

Rural - 147,441

| CLASSIFICATION | Total No. of Deaths | Urban Deaths | Per 100,000 | |
|--|---------------------|--------------|-------------|------------|
| | | | Urban Rate | Rural Rate |
| VII Circulatory System | 539 | 240 | 255 | 203 |
| VI Nervous System and Sense Organs .. | 358 | 159 | 169 | 135 |
| XV Early Infancy | 264 | 108 | 115 | 106 |
| II Neoplasms | 252 | 108 | 115 | 98 |
| VIII Respiratory System | 235 | 93 | 99 | 96 |
| IX Digestive System | 197 | 75 | 80 | 83 |
| XVI Senility and Ill-defined Conditions .. | 166 | 79 | 84 | 59 |
| III Allergic, Endocrine System, etc. .. | 107 | 43 | 45 | 43 |

APPENDIX VII

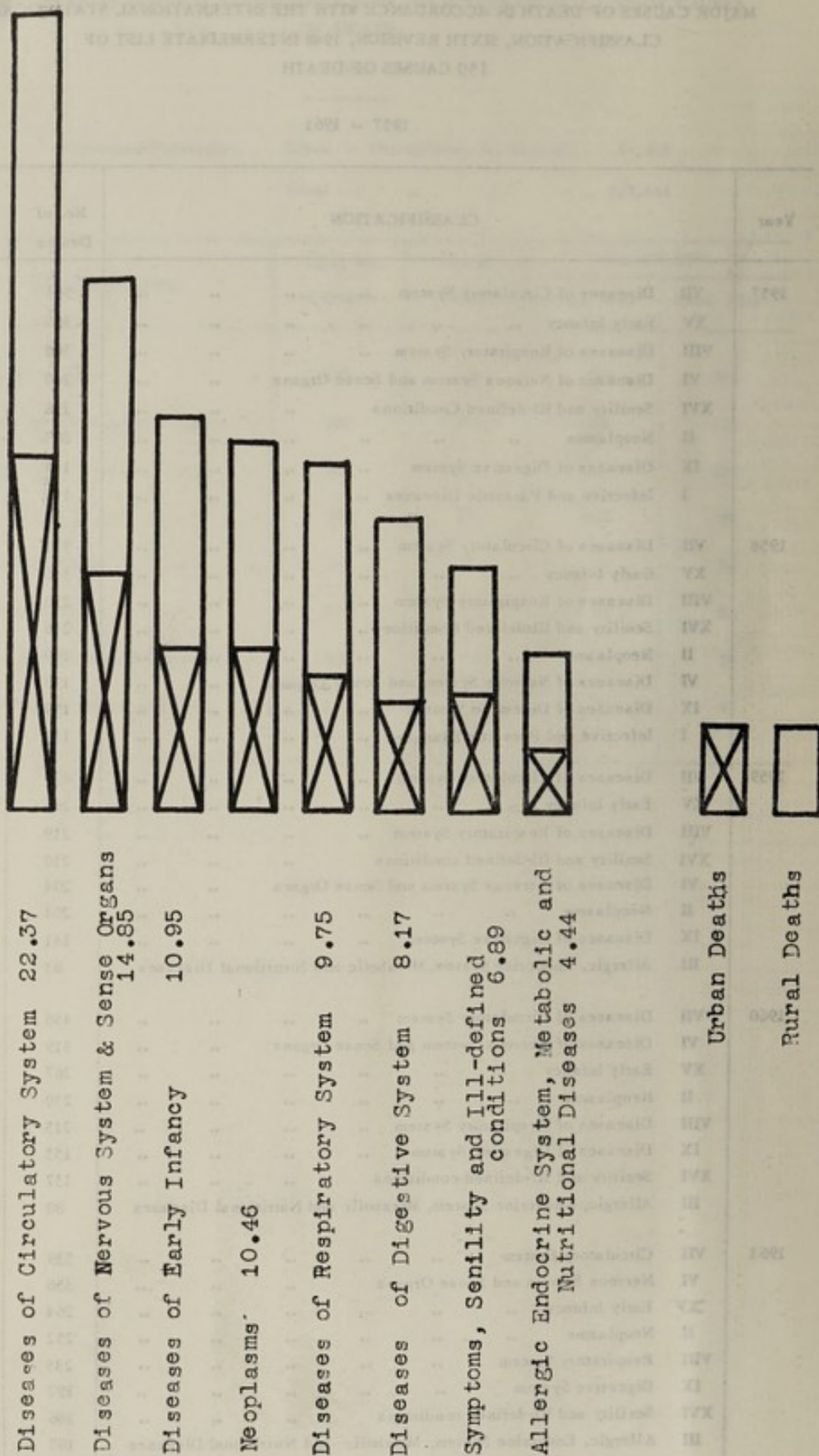
MAJOR CAUSES OF DEATH IN ACCORDANCE WITH THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948 INTERMEDIATE LIST OF 150 CAUSES OF DEATH

1957 - 1961

| Year | CLASSIFICATION | No. of Deaths | % of Total Deaths |
|--|--|---------------|-------------------|
| 1957 | VII Diseases of Circulatory System | 563 | 22.68 |
| | XV Early Infancy | 366 | 14.82 |
| | VIII Diseases of Respiratory System | 300 | 12.15 |
| | VI Diseases of Nervous System and Sense Organs | 240 | 9.72 |
| | XVI Senility and Ill-defined Conditions | 238 | 9.64 |
| | II Neoplasms | 207 | 8.38 |
| | IX Diseases of Digestive System | 144 | 5.83 |
| | I Infective and Parasitic Diseases | 116 | 4.60 |
| 1958 | VII Diseases of Circulatory System | 551 | 23.97 |
| | XV Early Infancy | 346 | 14.96 |
| | VIII Diseases of Respiratory System | 250 | 10.87 |
| | XVI Senility and Ill-defined Conditions | 216 | 9.44 |
| | II Neoplasms | 199 | 9.01 |
| | VI Diseases of Nervous System and Sense Organs | 190 | 8.26 |
| | IX Diseases of Digestive System | 159 | 6.91 |
| | I Infective and Parasitic Diseases | 119 | 5.17 |
| 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 | |

APPENDIX VIII

PRINCIPAL CAUSES OF DEATH AS A PERCENTAGE OF TOTAL DEATHS 1961



APPENDIX X

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1961 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION SIXTH REVISION 1948, INTERMEDIATE LIST OF 150 CAUSES

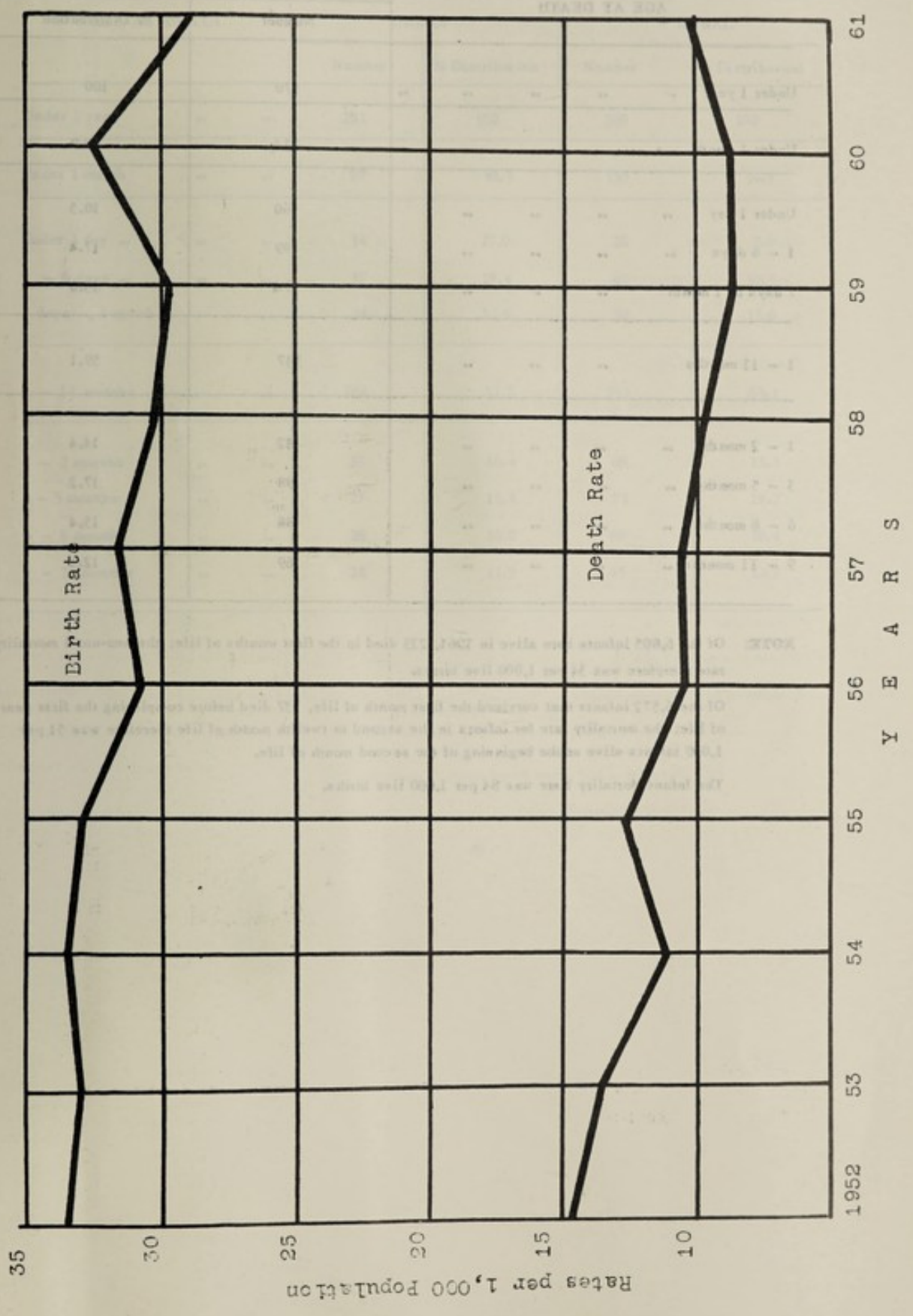
| CAUSE GROUPS | St. Michael | | Christ Church | | St. George | | St. Philip | | St. John | | St. James | | St. Thomas | | St. Peter | | St. Lucy | | St. Joseph | | St. Andrew | | All Parishes | | | |
|----------------------|-------------|----|---------------|----|------------|----|------------|----|----------|----|-----------|----|------------|----|-----------|----|----------|----|------------|----|------------|-----|--------------|-----|-----|-------|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | Total | M | F | Total |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Under 1 (one) day | 15 | 19 | 3 | 4 | 2 | 2 | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 28 | 32 | 60 | |
| 1 day - 6 days | 21 | 18 | 9 | 7 | 4 | 2 | 4 | 2 | 3 | 3 | 1 | 9 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 1 | 59 | 40 | 99 | |
| 7 days - 1 month | 15 | 9 | - | 7 | 5 | 6 | 4 | 1 | 2 | 3 | 2 | 1 | 3 | 3 | 2 | 4 | - | 2 | - | 2 | 1 | 41 | 33 | 74 | | |
| Total under 1 month | 51 | 46 | 12 | 18 | 11 | 10 | 11 | 4 | 4 | 8 | 5 | 4 | 13 | 4 | 8 | 3 | 4 | 4 | 6 | 2 | 3 | 2 | 128 | 105 | 233 | |
| 1 month - 2 months | 17 | 16 | 1 | 6 | 3 | 7 | 3 | 2 | 3 | 2 | 4 | 2 | 2 | 1 | 4 | 1 | 2 | 1 | 2 | - | 2 | 1 | 43 | 39 | 82 | |
| 3 months - 5 months | 11 | 16 | 3 | 7 | 4 | 4 | 4 | 7 | 2 | 1 | - | 1 | 4 | 2 | 5 | 5 | 2 | 5 | 5 | 5 | 4 | 1 | 44 | 54 | 98 | |
| 6 months - 8 months | 12 | 8 | 3 | 5 | 9 | 4 | 6 | 5 | 2 | 3 | 4 | 1 | 6 | 2 | 7 | 1 | 1 | 1 | 1 | 4 | 2 | 1 | 53 | 35 | 88 | |
| 9 months - 11 months | 12 | 12 | 9 | 4 | 4 | 3 | 4 | 3 | - | 3 | 1 | 3 | 1 | 1 | 2 | - | - | 1 | 2 | 1 | 1 | 2 | 36 | 33 | 69 | |
| Total under 1 year | 103 | 98 | 28 | 40 | 31 | 28 | 28 | 21 | 11 | 17 | 14 | 11 | 26 | 10 | 26 | 10 | 9 | 12 | 16 | 12 | 7 | 304 | 266 | 570 | | |

DEATH RATE BY AGE IN MONTHS - 2 INDIAN STATES, 1961

DEATH IN FIRST YEAR OF LIFE

AGE AT DEATH

BIRTH AND DEATH RATES PER 1,000 OF THE POPULATION FOR 1952-1961



APPENDIX XI

APPENDIX XII

INFANT DEATHS BY AGE IN MONTHS - % DISTRIBUTION 1961

| AGE AT DEATH | DEATHS IN FIRST YEAR OF LIFE | |
|---------------------------|------------------------------|----------------|
| | Number | % Distribution |
| Under 1 year | 570 | 100 |
| Under 1 month | 233 | 40.9 |
| Under 1 day | 60 | 10.5 |
| 1 - 6 days | 99 | 17.4 |
| 7 days to 1 month | 74 | 13.0 |
| 1 - 11 months | 337 | 59.1 |
| 1 - 2 months | 82 | 14.4 |
| 3 - 5 months | 98 | 17.2 |
| 6 - 8 months | 88 | 15.4 |
| 9 - 11 months | 69 | 12.1 |

NOTE: Of the 6,805 infants born alive in 1961, 223 died in the first months of life; the neo-natal mortality rate therefore was 34 per 1,000 live births.

Of the 6,572 infants that survived the first month of life, 337 died before completing the first year of life; the mortality rate for infants in the second to twelfth month of life therefore was 51 per 1,000 infants alive at the beginning of the second month of life.

The Infant Mortality Rate was 84 per 1,000 live births.

APPENDIX XIII

INFANT DEATHS BY AGE IN MONTHS FOR THE YEAR 1961

| AGE AT DEATH | DEATH IN FIRST YEAR OF LIFE | | | |
|------------------------|-----------------------------|----------------|--------|----------------|
| | URBAN | | RURAL | |
| | Number | % Distribution | Number | % Distribution |
| Under 1 year | 201 | 100 | 369 | 100 |
| Under 1 month | 97 | 48.3 | 136 | 36.9 |
| Under 1 day | 34 | 17.0 | 26 | 7.0 |
| 1 - 6 days | 39 | 19.4 | 60 | 16.3 |
| 7 days - 1 month | 24 | 11.9 | 50 | 13.6 |
| 1 - 11 months | 104 | 51.7 | 233 | 63.1 |
| 1 - 2 months | 33 | 16.4 | 49 | 13.3 |
| 3 - 5 months | 27 | 13.4 | 71 | 19.2 |
| 6 - 8 months | 20 | 10.0 | 68 | 18.4 |
| 9 - 11 months | 24 | 11.9 | 45 | 12.2 |

APPENDIX XIV

CAUSES OF DEATH IN THE FIRST YEAR OF LIFE

NUMBER OF DEATHS: % DISTRIBUTION FOR THE YEAR 1961

| CAUSE OF DEATH | DEATHS IN FIRST YEAR OF LIFE | |
|---|------------------------------|----------------|
| | Number | % Distribution |
| All Causes | 570 | 100 |
| Pre-natal and natal causes | 242 | 42.5 |
| Premature Birth | 110 | 19.2 |
| Congenital Malformations | 18 | 3.2 |
| Injury at Birth | 18 | 3.2 |
| Congenital Debility | 28 | 4.9 |
| Other Diseases peculiar to first year of life | 58 | 10.2 |
| Syphilis | 1 | .2 |
| Tetanus | 9 | 1.6 |
| Respiratory Diseases | 116 (a) | 20.3 |
| Gastro-intestinal Diseases | 102 (b) | 17.9 |
| Epidemic and other communicable Diseases | 12 | 2.1 |
| Malnutrition | 50 | 8.8 |
| All other specified causes | 44 | 7.7 |
| Ill-defined and unknown causes | 4 | .7 |

(a) Pneumonia and other Respiratory Diseases.

(b) Chiefly Gastro-Enteritis.

APPENDIX XV

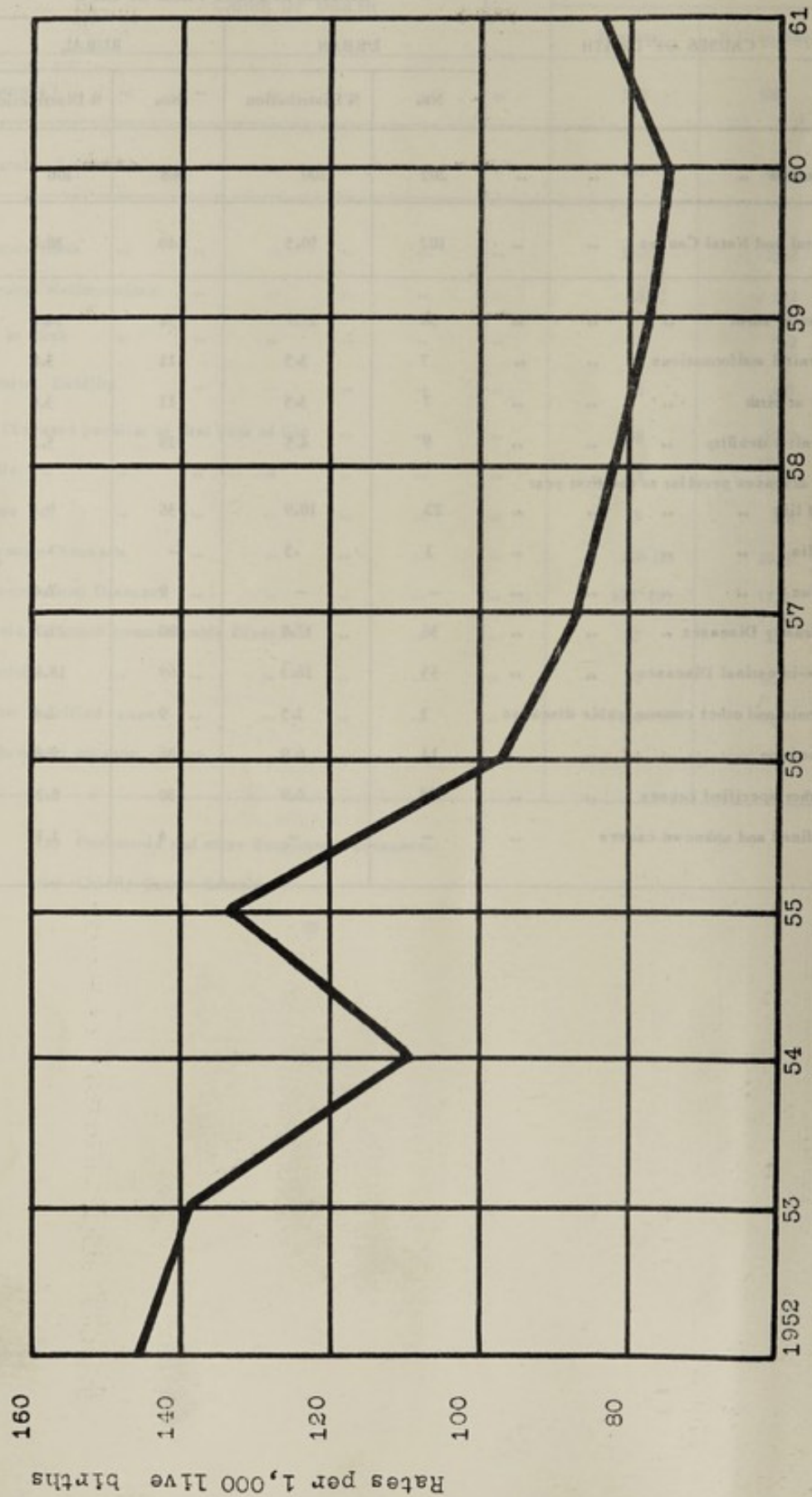
CAUSES OF DEATH IN THE FIRST YEAR OF LIFE

NUMBER OF DEATHS: % DISTRIBUTION FOR THE YEAR 1961

| CAUSES OF DEATH | DEATHS IN FIRST YEAR OF LIFE | | | |
|--|------------------------------|----------------|-------|----------------|
| | URBAN | | RURAL | |
| | No. | % Distribution | No. | % Distribution |
| All Causes | 202 | 100 | 368 | 100 |
| Prenatal and Natal Causes | 102 | 50.5 | 140 | 38.0 |
| Premature Birth | 56 | 27.7 | 54 | 14.7 |
| Congenital malformations | 7 | 3.5 | 11 | 3.0 |
| Injury at birth | 7 | 3.5 | 11 | 3.0 |
| Congenital debility | 9 | 4.5 | 19 | 5.2 |
| Other diseases peculiar to the first year of life | 22 | 10.9 | 36 | 9.8 |
| Syphilis | 1 | .5 | - | - |
| Tetanus | - | - | 9 | 2.4 |
| Respiratory Diseases | 36 | 17.8 | 80 | 21.7 |
| Gastro-intestinal Diseases | 33 | 16.3 | 69 | 18.8 |
| Epidemic and other communicable diseases | 3 | 1.5 | 9 | 2.4 |
| Malnutrition | 14 | 6.9 | 36 | 9.8 |
| All other specified causes | 14 | 6.9 | 30 | 8.2 |
| Ill-defined and unknown causes .. | - | - | 4 | 1.1 |

APPENDIX XVI

INFANT MORTALITY RATES PER 1,000 LIVE BIRTHS 1952-1961



APPENDIX XVII

Tuberculosis: Deaths and Death Rate per 100,000 Population

| YEARS | | No. 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 1950-59

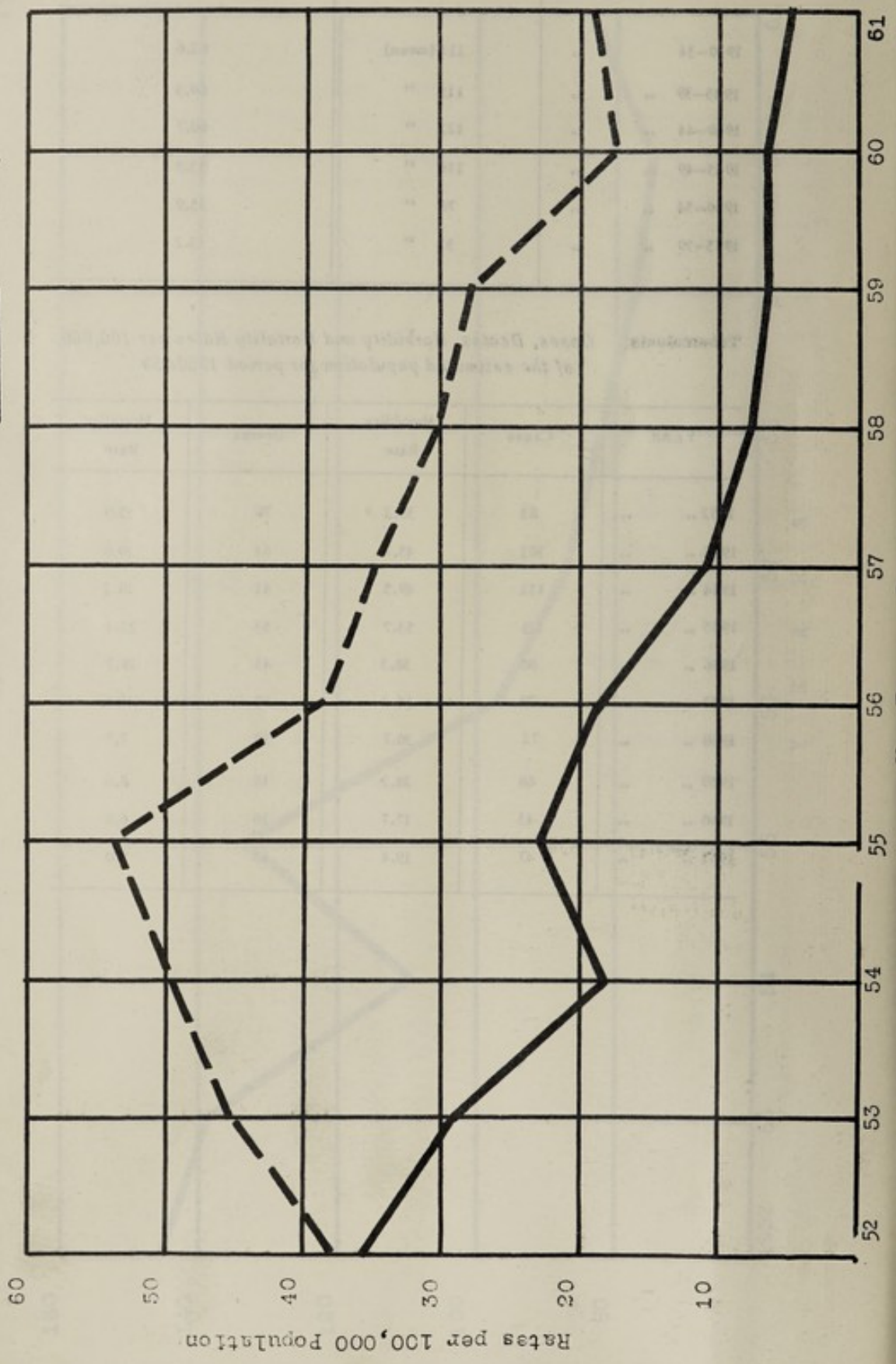
| YEAR | Cases | Morbidity Rate | Deaths | Mortality Rate |
|---------|-------|-------------------|--------|-------------------|
| 1952 .. | 83 | 38.2 | 78 | 35.9 |
| 1953 .. | 101 | 45.7 | 64 | 29.0 |
| 1954 .. | 111 | 49.5 | 41 | 18.2 |
| 1955 .. | 123 | 53.7 | 53 | 23.1 |
| 1956 .. | 88 | 38.3 | 43 | 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 | 17.7 | 16 | 6.6 |
| 1961 .. | 47 | 19.4 | 13 | 5.0 |

Tuberculosis: Deaths and Disability Rates per 100,000 Population

Deaths per 100,000 Population
Disability (Morbidity) per 100,000 Population

TUBERCULOSIS MORBIDITY AND MORTALITY RATES PER 100,000 ESTIMATED POPULATION FOR PERIOD 1952-1961

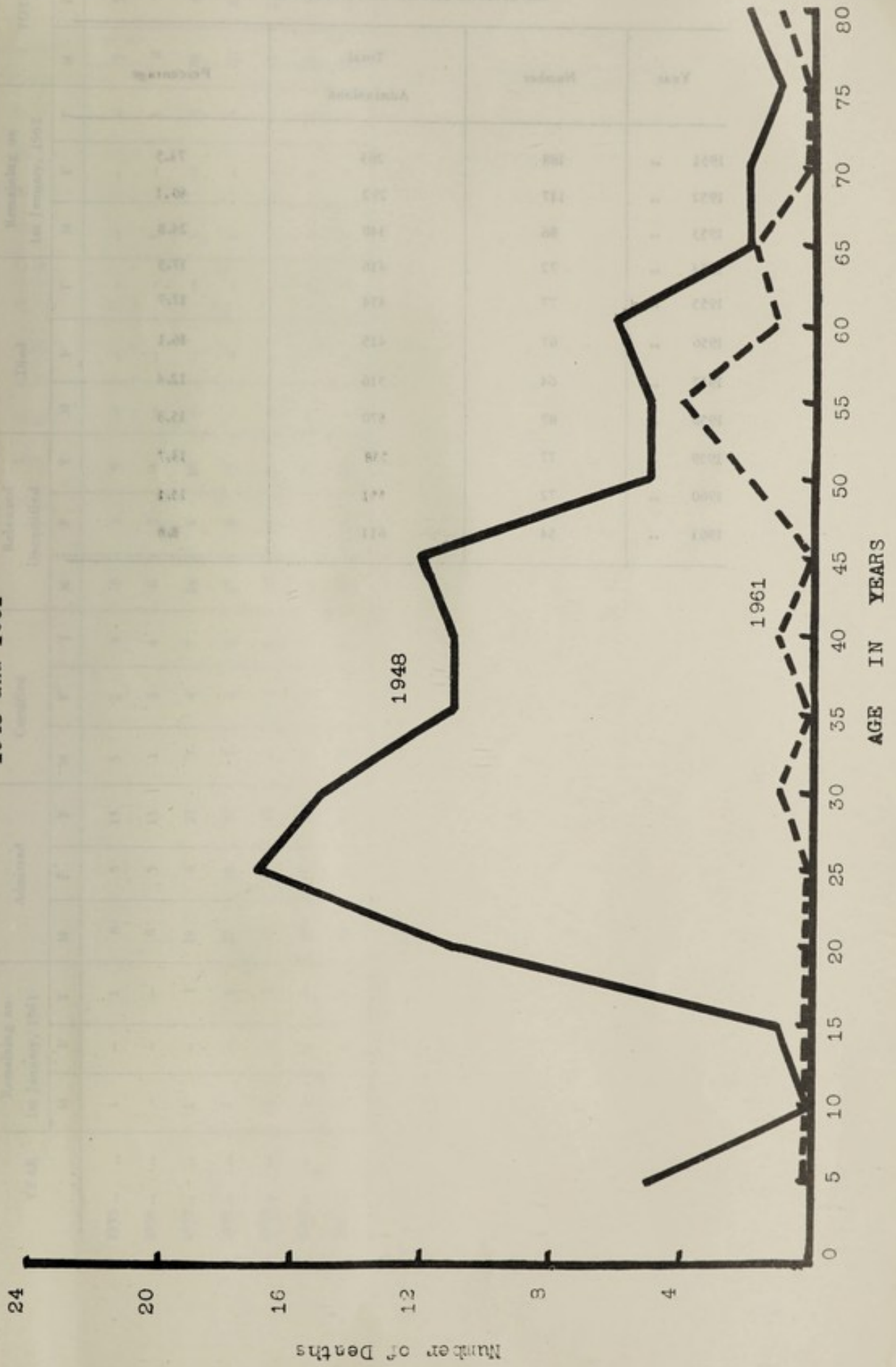
--- Morbidity
— Mortality



APPENDIX XIX

DEATHS FROM TUBERCULOSIS IN AGE GROUPS

1948 and 1961



APPENDIX XX

MENTAL HOSPITAL

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 |

APPENDIX XXI

MENTAL HOSPITAL

PATIENTS ON OBSERVATION

| YEAR | Remaining on 1st January, 1961 | | | Admitted | | | Certified | | | Released Uncertified | | | Died | | | Remaining on 1st January, 1962 | | | 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 |

APPENDIX XXII
MENTAL HOSPITAL

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 |
|------------|--------------------|------------------|---------------------------|-------------------|---------------|--------------------|------------|
| 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 |

APPENDIX XXIV

SCREENING FOR SYPHILIS: Observations on the serology of persons screened at Speightstown Health Centre 1953 - 1961

M. A. BYER

The Chairman of the Programme, Committee world Forum on Syphilis and other Treponematoses, in his invitation for September, 1962, issued to all individuals, engaged or interested in, the control of Syphilis, speaks, of "The recent upsurge of Syphilis, despite the availability of effective Therapeutic agents" as evidence of "the necessity of a reevaluation, and redirection of our efforts."

If such reevaluation and redirection is required in the U.S.A., how much more necessary is it for us in the West Indies?

The decision, to include screening for Syphilis as one of the regular, and continuing functions of the Health Department, in Barbados, was taken in 1953. The screening process still continues, at three major Health Centres in the island.

The Kahn Test, used during the first part of the period, was replaced in 1955 by the V.D.R.L. test, which is more sensitive, and also more specific.

In 1952 before screening was commenced, 8,828 Kahn tests were done for the whole island. In 1961, 32,869 V.D.R.L. tests were done. This four-fold increase has been due, very largely, to the "screening" done at the three Health Centres.

The advantages of using this continuing method of screening, instead of the "one-shot" crash programme, designed to screen a selected section of the population in a given period are:-

- (i) No additional staff is required.

In small departments, it is not possible to second staff for this type of assignment, and it is therefore necessary to undertake, only such work as can be carried out, in conjunction with the routine work of the Centre.

- (ii) "Cover" is provided for those who attend.

In small communities, it is very necessary to provide this "cover" for patients who attend V.D. Clinics. By combining screening with the other functions of the Centre, e.g. Ante-natal Clinics, Infant Clinics, Immunisations, etc., the general public does not know why each person visits the Centre.

- (iii) It is possible to arrange for the follow-up of cases.

Since this is a continuing process, the "positive reactors" are Not passed on to some other agency for treatment. The same staff which did the screening, follows the case if necessary, for several years.

- (iv) Costs are minimal.

By making use of centrally located buildings, and equipment, which have been provided for general public health services, the cost of the screening is considerably reduced.

Two important questions however, must still be answered:

- (i) Can you effectively screen as large a section of the community, by using this very much slower method?
- (ii) Is the time factor vitally important?.

During the period covered by this paper, 12,579 persons were screened. This represents 78% of the available population.

The total population of the three parishes served by the Centre is 36,575. Screening was not extended to the schools, and pre-school children. They represent 33% of the population. Of the remainder, it is generally recognised that a certain section of the community does Not use the services offered at Government Health Centres, largely because these services are "Free". These persons either go to their own private doctors, or they do without the service altogether. This section, would therefore, Not be available for screening for syphilis, in any case. It is very difficult to estimate the number accounted for by this group, since they vary with the degree of sophistication of the community. 8,000 is regarded as a fair "guess". This leaves 16,000, of which 12,579 have been screened i.e. 78% of the available population.

The great value of this continuing method of screening for syphilis is further appreciated, when it is recognised that each infectious patient, is expected to expose four others to infection, in a modern, moral climate, in which promiscuity is sanctioned, if it is not actually encouraged.

Screening is, moreover, the only effective method of tapping, the large reservoirs of untreated syphilis, which exist in our West Indian communities.

If we do Not find, and treat, the latent cases, a large percentage of them will develop late disabling manifestations - paresis, meningovascular syphilis, tabes, optic atrophy or cardiovascular syphilis. These are the patients who occupy, for long periods, expensive hospital beds.

RESULTS OF SCREENING

12,579 persons were screened in 8½ years, of these 7,344 were Females and 5,235 were Males. Many persons quite wrongly state the Emigration as the main reason for the increase in the number of blood tests which are done at our centres. "Blood tests", for emigration, however, are done almost entirely for Males. In all figures from the Health Centres Females applying for blood tests outnumber males. In this sample, Females outnumber males by 7:5.

The reason for this response on the part of the females is the health education done by the public health nurses at the Ante-natal and Infant Clinics.

Screening has uncovered a larger percentage of "positive" reactors in the 35-44 year age group. In this group 39% of the persons screened were "positive". It is here that screening by enabling us to discover the latent cases of syphilis, will prevent the later development of disabling illness requiring prolonged hospital and almshouse treatment.

In the age group for the younger females from the ante-natal and infant clinics the percentage of positives is 11%.

The importance of the "follow-up" after a full course of penicillin has been fully explained and it is encouraging to find that 27% of the cases have become Negative. Conversion to negative however may be delayed for 2 to 3 years in some cases.

In the 15-19 year age group conversion to Negative was obtained in 56% of the Males and 47% of the Females, in this younger group conversion takes place at an earlier date.

It is most encouraging to note the regularity with which the "positives" return for retests, and the interest which they take in becoming negative. 39% of all positives have returned for one retest. 20% have returned on two occasions. 14% returned on three occasions and 27% returned on 4 or more occasions.

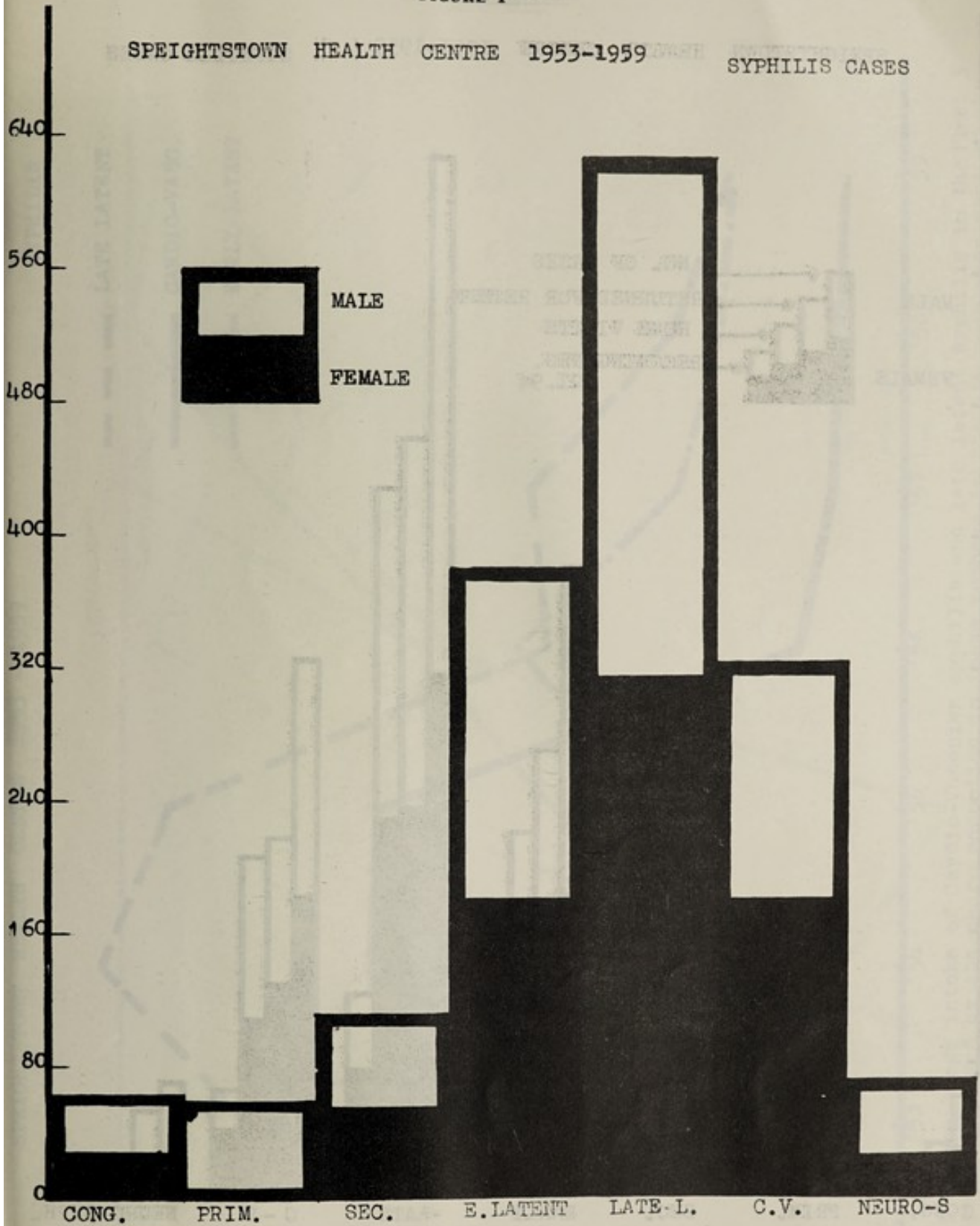
Of the 12,579 persons who were screened, 1,647 showed a positive serological reaction. There is No yaws in Barbados, - Malaria has not been encountered since 1927, and the incidence of Leprosy is extremely low - 12 cases in a population of 230,000. "False positives" are therefore Not expected to play a large part in complicating the serology of these cases.

Further details are shown in the form of Graphs - see Figures I - IV.

This paper was presented at the Scientific Meeting of the Standing Advisory Committee for Medical Research in the Caribbean at its 1961 Meeting in Jamaica.

FIGURE 1

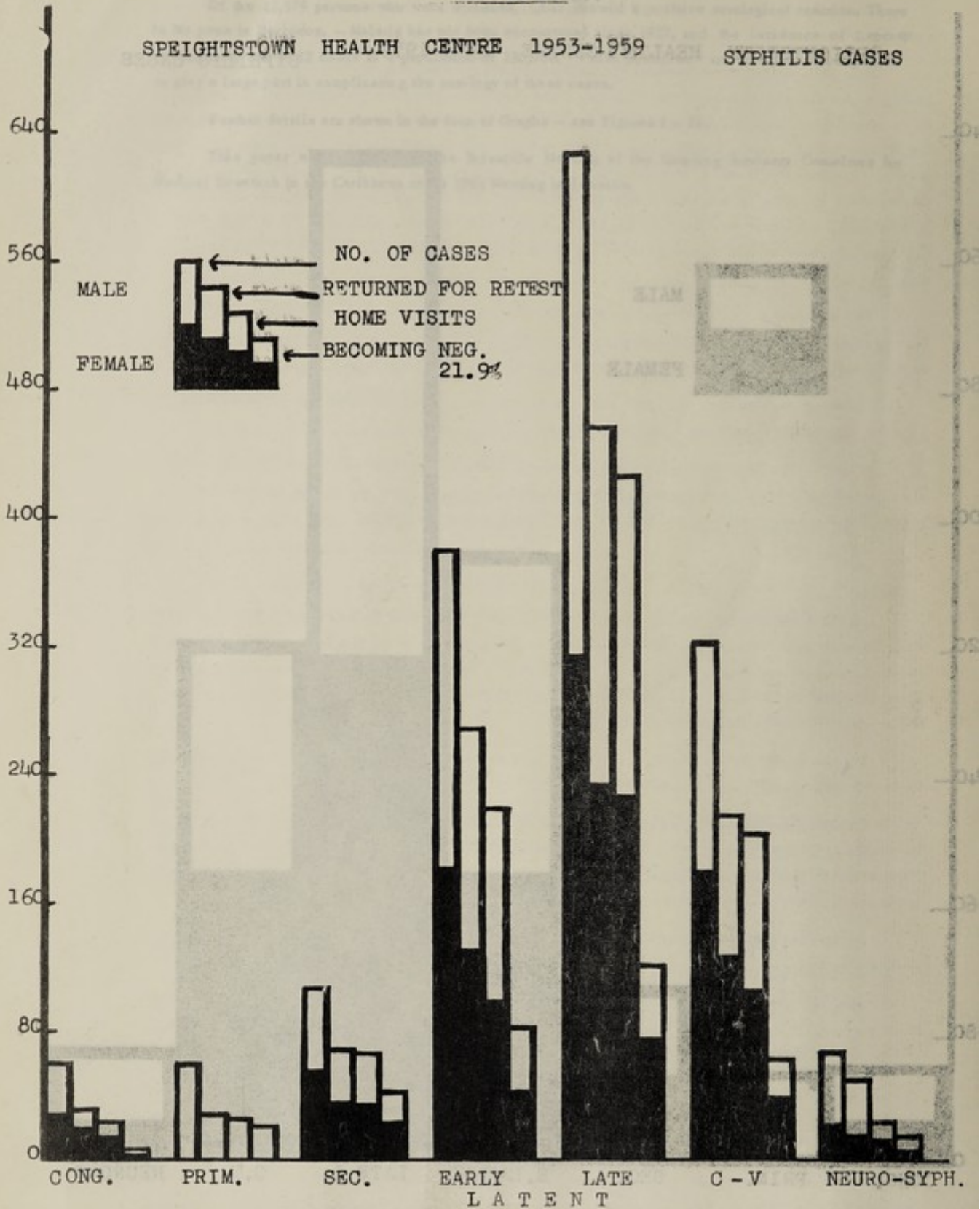
SPEIGHTSTOWN HEALTH CENTRE 1953-1959 SYPHILIS CASES



Note the large mass of latent cases. These would be entirely missed, if screening had Not been undertaken. They present No signs nor symptoms of syphilis, and are recognized only on the results of the blood test.

FIGURE 2

SPEIGHTSTOWN HEALTH CENTRE 1953-1959 SYPHILIS CASES

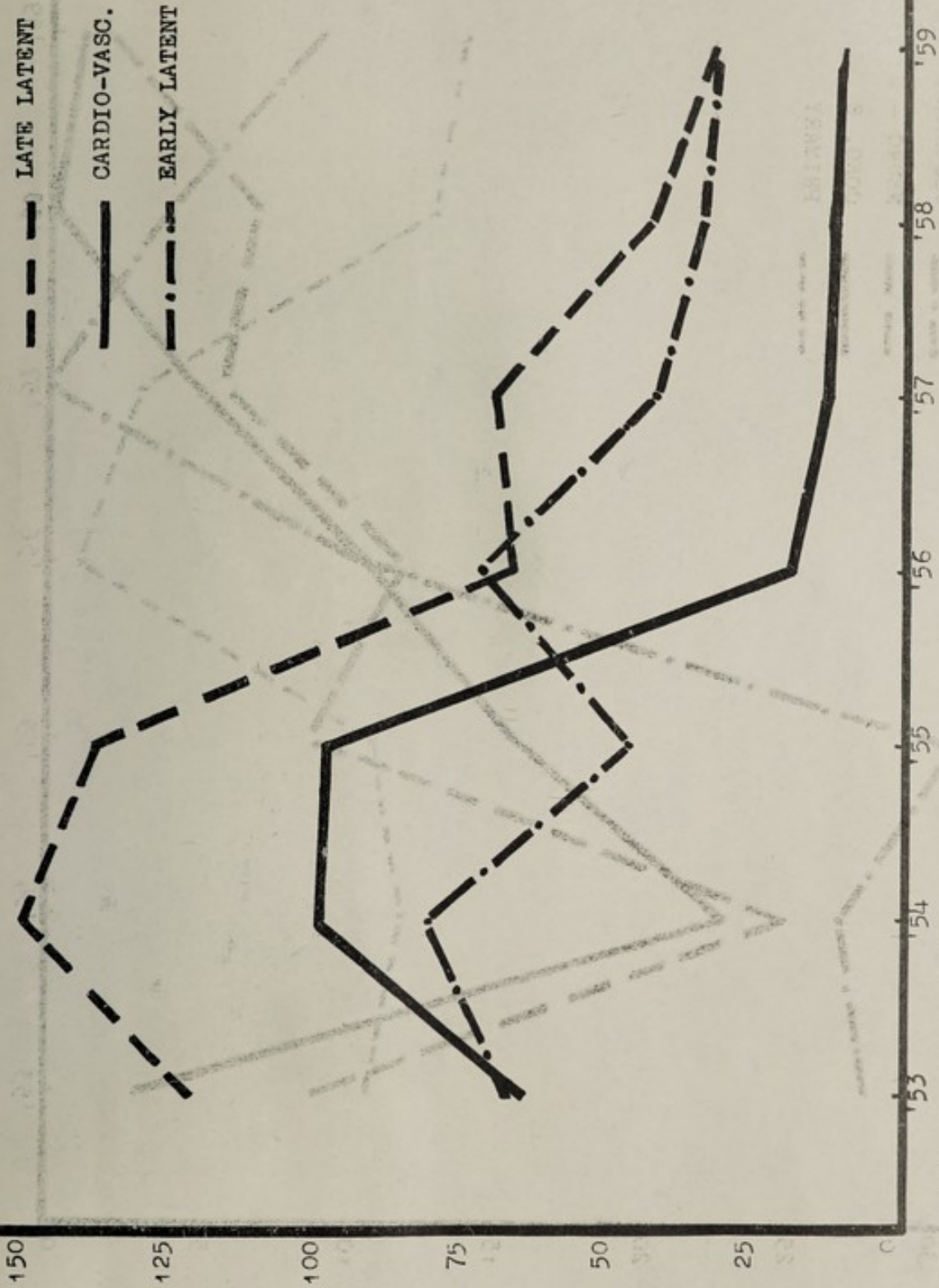


This follow-up of the cases indicates:-

- (a) The number of persons who return for retests after the completion of a full course of Penicillin treatment.
- (b) The number of cases actually visited at their homes by the Health visitors.
- (c) The number of persons who have become Negative after treatment.

SPEIGHTSTOWN HEALTH CENTRE 1953 - 1959

SYPHILIS



Note the large intake of Cardio-Vascular syphilis and late latent syphilis in the first 3 years followed by the sharp reduction in these numbers in the 4th year when most of the existing cases in this community had been recognized. The change in the intake of early latent cases has not been great.

FIGURE 3

SYPHILIS

SPEIGHTSTOWN HEALTH CENTRE 1953 - 1959

- SECONDARY
- - - NEURO - S
- CONG. S
- - - PRIMARY

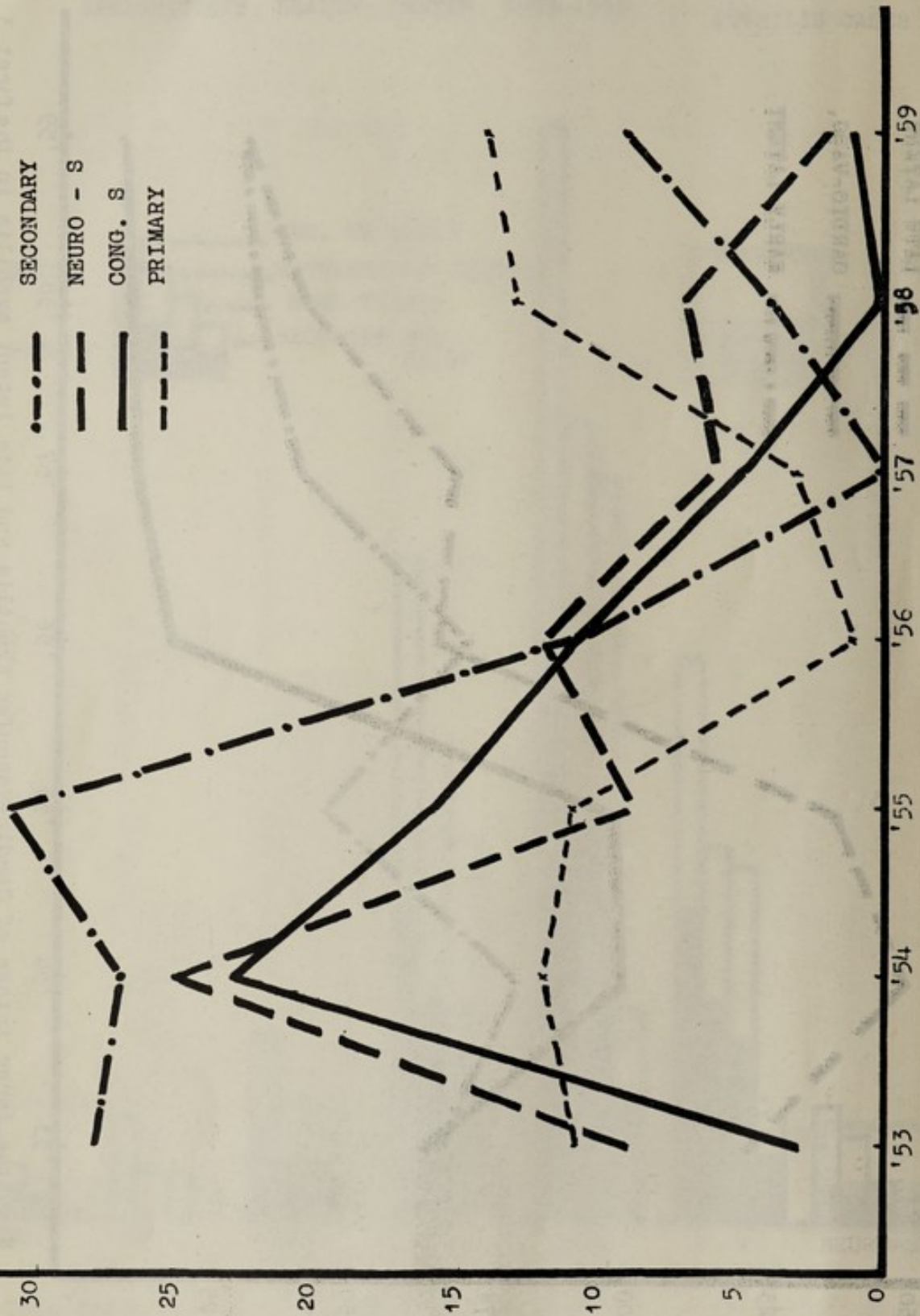


FIGURE 4

Note the disappearance of cong. syphilis, and sharp reductions in the numbers of Secondary syphilis and Neuro syphilis. The relatively high numbers for Primary and Secondary syphilis in '58 and '59 indicate that the "reservoir" of Infectious syphilis is still present; but that patients are reporting immediately for treatment - an indication of good health education.



