

Annual report of the Director of Medical Services / Barbados.

Contributors

Barbados. Department of Medical Services.

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BARBADOS

ANNUAL REPORT

OF THE

DIRECTOR OF MEDICAL SERVICES

FOR THE YEAR

1962 - 63

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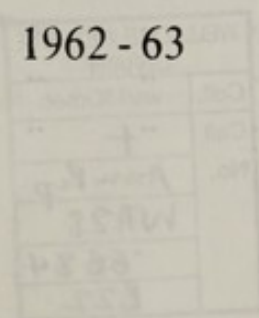
ANNUAL REPORT

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FOR THE YEAR

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ANNUAL REPORT OF THE DIRECTOR OF MEDICAL SERVICES FOR THE YEAR 1962-63

Part I. MEMBERSHIP OF COMMITTEES

GENERAL HOSPITAL ADVISORY COMMITTEE

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

VISITING COMMITTEE - MENTAL HOSPITAL

C. H. St. John, C.B.E., M.R.C.S., (Eng.), L.R.C.P. (Lond.), M.B., B.S., (U. Lond.)
Chairman
Mrs. O. Symmonds
Mrs. E. Parry
J. Baeza, M.B., Ch.B.
T. W. Miller, Esq.
H. Waite, Esq.
Dr. R. M. Lloyd-Still, (*ex officio*)
Mr. V. C. Boyce - *Secretary*.

VISITING COMMITTEE OF THE LAZARETTO

Dr. M. A. Byer, O.B.E., Director of Medical Services - *Chairman*
F. N. Grannum, M.B.E., Ch.B. (Edin.), D.T.M. & H. (Eng.), M.P.H. (Harvard)
The Rev. K. S. Hassell (Chaplain)
Miss Eunice Gibson
Mrs. F. A. Bishop, M.B.E.
Mrs. W. Terajewicz
Mrs. E. Parry
Sister May Teresa, C.J.G.S.
C. B. Allamby, Esq.
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
E. St.E. Thompson, M.D. (Toronto), L.M.C.C., D.O. (Eng.)
Miss A. Walters, Supervisor, Nurses/Midwives
Miss G. Bayley, Matron, Mental Hospital - *Secretary*
Mrs. M. I. Murray-Aynsley, Principal Sister Tutor, General Hospital
Miss C. Blackman, Acting Matron, Maternity Hospital
Miss Eunice Gibson, Barbados Nurses' Association
C. Bennett, Esq.

BOARD OF MEDICAL 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.
C. H. St. John, C.B.E., M.R.C.S., (Eng.), L.R.C.P. (Lond.), M.B., B.S.
B. S. Skinner, M.R.C.S. (Eng.), L.R.C.P. (Lond.), F.A.C.A.

BOARD OF DENTAL ASSESSORS

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

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

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

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

PUBLIC HEALTH ADVISORY COMMITTEE

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

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

Councillor J. Smith, D.D.S.

Councillor V. W. A. Chase

Councillor St. C. L. Harper

Mrs. G. Jordan

Dr. M. A. Byer, O.B.E., Director of Medical Services (*ex officio*)

Part II. STAFF

2. Whole-time members as at 31st March, 1963:-

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/Midwives

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)

E. B. M. Hall, Esq., from 1st July, 1962.

Clerical - 9

Technical - 10

Nursing - 1

Other - 3

BARBADOS GENERAL HOSPITAL

Medical Superintendent

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.).

Surgeon Specialist

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

Specialist Physician

Vacant

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) to 25th August, 1962.

Dr. L. C. Luck, L.R.C.P. (Edin.), L.R.C.S. (Edin.), L.R.F.P.S. (Glas.) D.A., F.F.A.
from 1st September, 1962.

Ophthalmic Surgeon

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

Surgical Registrar

R. K. Rowley, M.B., Ch.B., (U. Birm.) to 30th October, 1962.

F. W. Ward, M.B., B.S., from 1st November, 1962.

Medical Officers

Dr. M. R. Yapp, M.B., Ch.B. to 29th August, 1962.

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

Dr. G. A. O. Alleyne, M.B., B.S. (U. Lond.).

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

Dr. G. M. Lorde, L.R.C.P. (Edin.), L.R.C.S. (Edin.), L.R.F.P.S. (Glas.)

Dr. M. A. Stoby, M.R.C.S., L.R.C.P., from 12th June, 1962.

Dr. J. E. Hutson, M.B., Ch.B. from 12th October, 1962.

Dr. M. L. Hodge, M.B., B.S. from 3rd January, 1963.

Dr. R. Thomas, M.B., B.S. from 3rd January, 1963.

House Officers

M. A. Stoby, M.R.C.S., L.R.C.P. to 11th June, 1962.

M. L. Hodge, M.B., B.S. to 2nd January, 1963.

R. D. Thomas, M.B., B.S., to 2nd January, 1963.

P. Y. Bannister, M.B., B.S. (Lond.), to 31st December, 1962.

Steward and Secretary

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

Matron

Miss E. K. Walters

Assistant Matron

Miss E. M. Skinner

Principal Sister Tutor

Mrs. I. Murray-Aynsley

Sister Tutor

Miss O. Barrett

Departmental Sisters

Miss B. St.Hill

Miss A. Mayers

Miss C. Blackman

Miss E. Husbands.

Physiotherapist

Miss D. I. Traynor

Radiographers

Miss N. Forde

Mrs. J. Y. Worrell

Clerical	- 19
Nursing	- 269
Technical	- 18
Other	- 290

BACTERIOLOGICAL AND PATHOLOGICAL LABORATORY

Bacteriologist and Pathologist

W. A. 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	- 2
Technical	- 10
Other	- 3

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.T.C.P. (Lond.)

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

Vacant

Senior Public Health Nurse

Mrs. B. Williams

Radiographer

Miss S. Hanoman

Clerical	- 4
Nursing	- 6
Technical	- 2
Other	- 9

*Speightstown***Medical Officer of Health**

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

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**

A. V. Wells, M.B., B.S. (Edin.) D.T.M. & H. (Edin.), D.P.H.

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**

Vacant

Clerical - 1

Nursing - 4

Other - 13

3. Part-time members as at 31st March, 1963:—**Assistant Health Officer (Port)**

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

School Dentists

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

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

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

BARBADOS GENERAL HOSPITAL**Visiting Surgeons**

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

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. A. 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. Triefoff, 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.

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 final transfer of the functions of this Board to the Local Government Councils and the Town and Country Planning Officer was completed in March, 1963.

This brings to an end a long period of voluntary service to this community by a distinguished list of professional men and laymen who have given their time freely and expressed their opinions fearlessly and conscientiously on all matters which have been brought to their notice.

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 main vital statistics data for the year ending 31st December, 1962, are as follows:

Estimated end of year population	..	..	..	235,132
Estimated mean population	..	..	..	233,422
Births registered	..	..	..	6,883
Birth rate per 1,000 of the population	..	..	..	29.6
Deaths registered	..	..	..	2,116
Deaths per 1,000 of the population	..	..	..	9.1
Infant Mortality Rate	..	..	..	54.6
Maternal Mortality Rate per 1,000 live births	..	..	..	2.3
Still birth rate per 100 live births	..	..	..	1.5

Vital Statistical Data over the Ten Year Period 1953-62

Year	Natural Increase Population	Birth Rates	Crude Death Rates	Infant Mortality Rate	Maternal Mortality Rate
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	4,562	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	32.44	8.82	60	2.17
1961	4,344	29.0	10.4	84	2.2
1962	4,767	29.6	9.1	55	2.3

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.

- (1) *Aedes Aegypti* Mosquito Eradication Work.
- (2) Quarantine and Port Sanitation.
- (3) Miscellaneous.

Aedes Aegypti Mosquito Eradication Work

The *Aedes Aegypti* Eradication programme continues to take precedence over all other phases of work done by the various sections of the department.

In the previous report on the work being performed by this section, it was pointed out that an increase in the number of inspectors now engaged in this work would be greatly appreciated in order to increase the efficiency of the present staff and to give greater help where it has been shown, help is most needed, especially in the Metropolitan Area. This handicap, however, has not yet been overcome.

The fact that the Chief Public Health Inspector in each of the Areas has been devoting much more time to the present campaign, had given it an added fillip which became apparent especially in the Northern Area where some interest had been aroused in the local Public Health units and much more work was being done in this Area than it had been for some time previously.

In the Southern Area, enthusiasm was not evinced to that extent but it was still evident that more activity was being shown in some of the localities than in others. This was an encouraging sign, but it also brought with it a feature which was not so commendable — The removal of the contents of certain deposits prior to having them inspected and treated with D.D.T. Insecticide.

This feature, which was noted in both the Northern and Southern Areas served only to create a good impression where the respective indices were concerned at the time of inspection by the *Aedes* teams, but possibly left in its wake myriads of still fertile eggs, untreated.

The City of Bridgetown Area is still regarded as the *bête noir* of the present project. Despite all efforts to reduce the incidence of breeding in this Area, it was still noted during the final quarter of the year under review, that the index showed fluctuations of between one (1) and two (2) per cent. as compared with indices of under one (1) percent. in the other Areas.

Quarantine and Port Sanitation

Routine inspection of the Port Area, which included the Carlisle Bay and Bridgetown Harbour continues. Daily inspections are carried out around premises (Warehouses, Stores and other Buildings) within the curtilage and premises just outside the perimeter of the Bridgetown Harbour.

Inter-island schooners and small motor vessels berthed in Carlisle Bay are checked for evidence of mosquito and rodent infestation, and wherever necessary steps are taken to ensure that remedial measures in either cases are instituted with the minimum of delay.

Four hundred and nineteen (419) vessels (schooners, motor vessels etc.) from the neighbouring W.I. islands entered the Careenage during the period. Of this number, operations had been carried out on four hundred and five (405) prior to being berthed in the Careenage. No mosquitoes were found breeding in containers on board any of them.

Residual spraying work was done aboard thirty-nine (39) of these vessels, and as a substitute for fumigation operations which had been impracticable, poisoned baits were laid aboard twenty-one (21) others.

Eighty-one thousand three hundred and seventy-nine (81,379) baits were laid and certified results showed that nine thousand two hundred and fifty-five (9,255) rats and four thousand four hundred and nine (4,409) mice were destroyed during the period. No trapping is being carried out because losses of traps have made this form of work uneconomical.

Work of this nature is also carried out wherever heavy infestations of rodents are reported especially around provision stores, also government institutions.

Miscellaneous

Reports on cases of Infectious diseases investigated by the Chief Public Health Inspectors are forwarded to the Director of Medical Services for his information, also regular reports dealing with the results of water samples taken by the Chief Public Health Inspectors from different points in the various Areas.

Nuisances and other irregularities investigated, also remedial measures adopted have also been reported to the responsible authorities in each case.

THE PUBLIC HEALTH LABORATORY - ENMORE HEALTH CENTRE

During the year January - December, 1962, forty-seven thousand, three hundred and seventy (47,370) tests were performed in the Public Health Laboratory.

Weekly visits were made to the Speightstown and St. Philip Health Centres where laboratory services were rendered for their Diabetic and Ante-natal clinics, respectively. Technicians collected and tested weekly, samples of blood from patients in the Maternity Ward of the Bridgetown Infirmary.

The Laboratory continued to perform serological tests for the entire island. The thirty-one thousand, four hundred and eighty-nine (31,489) serological tests done included four thousand three hundred and eight-four (4,384) tests for prospective emigrants and five hundred (500) for British Army recruits. Also performed for the whole island were T.B. cultures and sensitivity tests.

Specimens for other bacteriological and for haematological examination as well for parasitology tests, were received from the three (3) Health Centres, the Maternity Hospital, Bridgetown Infirmary, Labour Department and General Practitioners.

The bacteriological examination of water again figured prominently in the Public Health Laboratory's work schedule; with samples from all reservoirs and pumping stations, and from Seawell Airport and the water-boat enclosure Pierhead being examined regularly.

Staff

The post of Laboratory Supervisor remains vacant.

Mr. Cecil Best, Laboratory Technician, gained the Associateship of the Institute of Medical Laboratory Technology (England) and continues his studies for the Fellowship of the Institute of Medical Laboratory Technology.

Mrs. G. M. E. Sealy continued to act as Laboratory Technician.

Mrs. M. L. Gale resigned as Junior Laboratory Technician on 27th August, 1962.

TOTAL WORK PERFORMED IN 1962

ENMORE HEALTH CENTRE

Bacteriology

	Positive	Negative	Total
Smears for G. C.	1,045	1,439	2,484
Cultures for G.C.	40	895	935
Direct and concentrated smears for T.B.	54	415	469
Cultures for T.B.	28	159	187
Sensitivity tests for T.B.	-	-	128
Routine Sensitivity tests	-	-	233
Smears for Diphtheria	1	106	107
Cultures for Diphtheria	1	111	112
Cultures for Salmonella/Shigella	-	63	63
Darkfield examination for Treponema Pallidum	5	130	135
Smears for Donovan granulosomatis	-	14	14
Other Cultures	-	-	1,971
			<u>6,838</u>

Haematology

Haemoglobin estimations	-	-	1,362
Erythrocyte sedimentation rate	-	-	43
White blood cell counts	-	-	92
Red blood cell counts	-	-	47
Differential White blood cell counts	-	-	65
Packed cell volume	-	-	6
Sickle cell preparations	-	16	16
Blood morphology	-	-	9
			<u>1,640</u>

Urinalysis

Albumin	696
Sugar	546
Microscopic	78
General examinations	85
Reaction	1
Bile	1
	<u>1,407</u>

Parasitology

	Positive	Negative	Total
Ova	92	213	305
Trichomonas Vaginalis	447	508	955
			<u>1,260</u>

Total Enmore Health Centre 11,145

Haematology

Parasitology

Urinalysis

ST PHILIP'S HEALTH CENTRE

Bacteriology

	Positive	Negative	Total
G. C. Smears	6	10	16
G. C. Cultures	-	12	12
Other Cultures	-	-	24
			<u>52</u>

Haematology

Haemoglobin estimations	351
Red blood cell counts	2
Packed cell volume	1
Blood morphology	73
	<u>427</u>

Parasitology

	Positive	Negative	Total
Trichomonas vaginalis	5	7	12
			<u>12</u>

Urinalysis

Sugar	930
Albumin	929
	<u>1,859</u>

Total St. Philip's Health Centre 2,350

TOTAL THREE (3) HEALTH CENTRES 15,152

Water Examination

Millipore Filter Method	729
---------------------------------	-----

Serology

V.D.R.L. Qualitative	23,469
V.D.R.L. Quantitative	5,218
Kolmer-Wasserman	2,684
V.D.R.L. on C.S.F.	118
Total Serology	<u>31,489</u>

GRAND TOTAL 47,370

SEROLOGY: JANUARY - DECEMBER 1962

Result	St. Michael's Health Centre	%	St. Philip's Health Centre	%	Speightstown Health Centre	%	Emigration	%
Negative ..	8,097	76.5	2,605	80.3	1,517	81.9	4,136	94.3
Reactive ..	1,774	16.8	468	14.4	246	13.3	183	4.2
Weekly Reactive	707	6.7	172	5.3	89	4.8	65	1.5
	10,578		3,245		1,852		4,384	

Result	Maternity Hospital	%	Bridgetown Infirmary	%	General Hospital	%	Mental Hospital	%
Negative ..	687	89.7	198	82.9	1,532	81.0	418	81.3
Reactive ..	53	6.9	29	12.1	261	13.8	68	13.2
Weekly Reactive	26	3.4	12	5.0	98	5.2	28	5.5
	766		239		1,891		514	

Total Negative .. 19,190
 Total Reactive .. 3,082
 Total Weekly Reactive 1,197
 Total Qualitative .. 23,469

Qualitative .. 23,469
 Quantitative .. 5,218
 Wasserman .. 2,684
 C. S. F. .. 118
 Total Serology .. 31,489

Part VII. INSTITUTIONS AND HEALTH CENTRES

THE GENERAL HOSPITAL

Dr. H. McD. Forde, Medical Superintendent
W. C. Goodman, Esq., M.B.E. - Steward and Secretary
Miss E. Walters, Matron
Miss E. Maxwell, Medical Records Officer.

During the period under review the staff complement of the Records Department remained the same as in the previous year. At the 31st March, 1963, the position was as follows:-

Permanent Staff

- | | |
|---------------------|-----------------------------|
| (a) Records Officer | (1) |
| (b) Female Clerk | (1) Medical Statistics etc. |

Temporary Staff

- | | |
|-------------------|-------------------------|
| (a) Female Clerks | (2) Casualty Section |
| (b) Female Clerks | (2) Appointment Section |
| (c) Female Clerks | (2) Admissions Section |
| (d) Female Clerks | (2) Library Section |
| (e) Female Clerk | (1) Medical Stenography |

Total staff complement eleven (11).

The Records Officer was on long leave from May 9th, 1962, to November 26th, 1962, during which period she visited the United Kingdom and the United States of America. While in the U.K., she attended two (2) hospital attachments which were arranged through the Technical Training Officer at the following hospitals:-

- (a) The St. George's Hospital, Hyde Park Corner, S.W. 1, from 29th May, 1962 to 15th June, 1962.
- (b) The Westminster Hospital, St. John's Gardens, S.W. 1, from 18th June, 1962 to 6th July, 1962.

Miss Y. Armstrong acted as Records Officer during Miss Maxwell's absence from the Island.

Resignations

Mrs. M. Drayton, female clerk resigned with effect from November, 22nd, 1962. Miss V. Trotman, temporary Clerk from March 7th, 1959, resigned with effect from September, 30th, 1962.

Training in Record Keeping

The first attachment in observing our methods and practices in the Casualty, Appointments, and Library Segments of this Section commenced on February 25th, 1963, for a period of eight (8) weeks. This attachment was done by Nurse Millington of the Health Centre, St. Philip, who attended three half days per week observing our methods re the reception, registration, documentation of patients, and the system of filing.

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 1.7 and 1.5 respectively. The average number of daily admissions and discharges remains the same as the corresponding period 1961/62. The average daily number of occupied beds for this period under review shows a decrease of 5 below the 1961-62 average.

TABLE "A"
Statistical Analysis of In-patients

	1961-62	1962-63	Percentage
Total fixed bed complement	453	453	
Average Daily No. of occupied beds and cots	381	376	
No. of in-patients at beginning of annual period	378	394	
No. of in-patients at end of annual period	394	402	
No. of in-patients admitted during annual period	10,482	10,305	Decr: 1.7
No. of in-patients under treatment during annual period	10,860	10,699	
No. of in-patients discharged during annual period including Hospital deaths ..	10,500	10,341	Decr: 1.5
Average No. of patients resident daily ..	381	376	
Daily average admissions	28	28	
Daily average discharges	28	28	

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

In-patient Waiting List

The total number on the waiting list at the end of the period amounted to 2,152 patients as compared with 1,454 patients at the end of the previous year: an increase of 48 percent. Cases admitted directly from the waiting list totalled 610 as compared with the previous year's number of 694. The emergency cases which are admitted directly from Casualty or the Clinics on the same day of attendance continue to retard to some extent the admissions from the waiting list.

TABLE "B"

Division	At 31st March, 1962		At 31st March, 1963		At 31st March	
					1962	1963
	Male	Female	Male	Female	Total	Total
General Medicine	—	—	—	—	—	—
Paediatrics ..	45	4	160	166	49	226
General Surgery ..	435	389	421	696	824	1,117
Gynaecology ..	—	403	—	448	403	448
E.N.T.	70	93	115	224	163	339
Ophthalmology ..	3	12	3	19	15	22
Total	553	901	699	1,453	1,454	2,152

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 the following specialities:—

General Surgery
Orthopaedics
Ear, Nose and Throat
Ophthalmology
Obstetrics
Nursery.

The remaining divisions show a decrease.

TABLE "C"

	Available Beds Cots & Bassinets		No. of Cases Admitted		No. of Cases Discharged	
	1961-62	1962-63	1961-62	1962-63	1961-62	1962-63
General Medicine ..	106	106	2,717	2,532	2,356	2,272
Tuberculosis ..	40	40	43	36	57	74
Paediatrics ..	38	38	1,329	1,096	1,219	1,000
General Surgery ..	† 143	† 143	3,472	3,617	3,174	3,367
Ophthalmology ..	27	27	432	435	432	420
Orthopaedics ..	30	30	352	429	395	460
Police Ward ..	4	4	—	—	—	—
E.N.T. ..	—	—	213	224	240	247
Gynaecology ..	—	—	1,033	1,013	1,095	992
Obstetrics ..	9	9	798	829	787	836
Nursery ..	10	10	93	94	42	45
Pay Wards "A", "E", "D", Ter. B, Ter. C	46	46	*	*	*	*
Total	453	453	10,482	10,305	9,797	9,713

N.B. *The number of cases admitted were 1,273; discharged 1,276 as compared with 1,325 admitted; 1,396 discharged for the previous year.

† Including Gynaecology, Ear, Nose and Throat.

The following table "D" shows a further breakdown and sex classification of the number of cases admitted for the period under review.

TABLE "D"
Sex Classification

Divisions	Male Patients		Female Patients	
	1961-62	1962-63	1961-62	1962-63
General Medicine ..	1,392	1,278	1,325	1,254
Paediatrics ..	774	642	555	454
Skin ..	—	—	—	—
T. B. Ward ..	19	26	24	10
General Surgery ..	1,606	1,722	1,866	1,895
Orthopaedic ..	248	297	104	132
E.N.T. ..	89	66	124	158
Ophthalmology ..	223	221	209	214
Gynaecology ..	—	—	1,033	1,013
Obstetrics ..	—	—	798	829
Nursery ..	42	56	51	38
Total ..	4,393	4,308	6,089	5,997

TABLE "E"
Classification of Births

Divisions	1961-62	1962-63	Percentage
Live Births	602	652	Incr: 8.3
B.B.A.	18	22	Incr: 22.2
Still Births	92	73	Decr: 20.6
Twin Births	13	13	-
Triple Births	1	-	-

Casualty and General Practitioners

The Medical, Surgical and General Practitioners' services have not treated more patients for this period than in the corresponding period 1961-62. The new cases seen and treated were 18,160; old cases 112,542, giving a total of 130,702 for the period under review. Although the figures given in Table "F" show a decrease of 24.2 percent in new cases, there is no indication of any significant fall in the demand for treatment as the number of attendances in Casualty still continue to increase. This is indicated by the increase of 4.6 percent in the number of old attendances.

TABLE "F"

Divisions	New Cases			Old Attendances		
	1961-62	1962-63	Percentage	1961-62	1962-63	Percentage
Medical and Surgical	16,520	12,796	Decr: 22.5	79,632	89,152	Incr: 11.9
Paediatrics	7,376	5,334	Decr: 27.6	16,195	11,153	Decr: 31.1
Diabetics	82	30	Decr: 63.4	11,687	12,237	Incr: 4.7
Total	23,978	18,160	Decr: 24.2	107,514	112,542	Incr: 4.6

The day to day problem of providing treatment for the over-flow of casualty patients still continues despite every effort by the Casualty Officers to see as many patients as it is clinically possible each day.

Out-patients

There has been a decrease in the totals of new cases treated, and a small increase in the attendances in comparison to the totals shown for the corresponding period 1961-62. A total of 5,001 new cases and 18,956 attendances have been recorded for the period under review. These figures in Table "G" show a decrease of 13.9 percent in new cases and an increase of 1.3 percent in the number of old attendances.

TABLE "G"

Divisions	New cases			Old Attendances		
	1961-62	1962-63	Percentage	1961-62	1962-63	Percentage
Medicine	700	537	Decr: 23.2	5,596	5,984	Incr: 6.9
Surgery	5,112	4,464	Decr: 12.6	13,102	12,972	Decr: 0.9
Total	5,812	5,001	Decr: 13.9	18,698	18,956	Incr: 1.3

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.

Division of Medicine

Attendances were 5,984 as compared with 5,596 in the previous period, an increase of 6.9 percent. New patients were 537, a decrease of 23.2 on the previous total of 700.

TABLE "H"

Division of Medicine	New Cases			Old Attendances		
	1961-62	1962-63	Percentage	1961-62	1962-63	Percentage
General Medicine	700	537	Decr: 23.2	5,596	5,984	Incr: 6.9
Dermatology	—	—	—	—	—	—
Total	700	537	Decr: 23.2	5,596	5,984	Incr: 6.9

Division of Surgery

There has been a decrease in the totals of new cases treated and attendances in comparison to the totals shown for the corresponding year 1961/62. Attendances were 12,972 as compared with 13,102 in the previous period, a decrease of 0.9 percent. New patients were 4,464, a decrease of 12.6 percent on the previous total of 5,112.

TABLE "I"

Division of Surgery	New Cases			Old Attendances		
	1961-62	1962-63	Percentage	1961-62	1962-63	Percentage
General Surgery	2,185	2,017	Decr: 7.6	5,060	5,114	Incr: 1.0
Orthopaedic	472	289	Decr: 38.7	1,620	1,240	Decr: 23.4
E.N.T. ..	728	633	Decr: 13.0	294	294	—
Ophthalmology	1,089	907	Decr: 16.7	3,490	3,857	Incr: 10.5
Dental ..	558	545	Decr: 2.3	1,866	1,764	Decr: 5.4
Ulcer ..	80	73	Decr: 8.7	772	703	Decr: 8.9
Total	5,112	4,464	Decr: 12.6	13,102	12,972	Decr: 0.9

Waiting List of Out-patient Department

At the first of April, 1963, a total of 132 patients were on the active list of cases waiting to be seen in the clinics, and of this total 56 were male and 76 were female patients. The period of waiting was under one month. Table "J" below shows a comparison of the various clinical specialities and the relative number of cases that have been waiting to be seen in the clinics.

TABLE "J"

Waiting List - Out-Patient Department

Speciality	Male	Female	Total	Under 1 month	1 - 2 Months
Medical	3	4	7	7	—
Diabetic	—	—	—	—	—
Skin	—	—	—	—	—
Paediatric	—	—	—	—	—
General Surgery	13	16	29	29	—
Ophthalmology	5	10	15	15	—
E.N.T.	5	6	11	11	—
Orthopaedic	1	4	5	5	—
Gynaecology	—	—	—	—	—
Dental	29	35	64	64	—
Ulcer	—	1	1	1	—
Total	56	76	132	132	—

Hospital Deaths

The total number of deaths for the year has decreased by 10.5 percent with a Mortality Rate of 6.0 as compared with 6.6 in the previous period, and an average day's stay of 13 in comparison with 14 for the corresponding period 1961/62. There has been a significant decrease by 137.5 percent in the total of Orthopaedic deaths.

TABLE "K"
Classification of Hospital Deaths

Division	1961-62	1962-63	Percentage
General Medicine	346	285	Decr: 17.6
Paediatrics	101	81	Decr: 19.8
Skin	—	—	—
T.B. Ward	5	6	Incr: 20.0
General Surgery	143	152	Incr: 6.2
Orthopaedic	16	6	Decr: 137.5
E.N.T.	1	—	—
Ophthalmology	—	—	—
Gynaecology	3	1	Decr: 66.6
Maternal	9	8	Decr: 11.1
Nursery	46	37	Decr: 19.5
Neo-Natal	33	52	Incr: 57.5
Casualty	18	17	Decr: 5.5
Total	721	645	Decr: 10.5

Deaths Associated with Anaesthesia

Again these deaths have not increased but remain the same as for the corresponding period 1961/62.

TABLE "L"

	1961-62	1962-63	Percentage
Deaths associated with Anaesthesia ..	5	5	—

Deaths within 24 Hours of Admission

For the period under review there has been a decrease in the number of deaths within 24 hours of admission and of this number 64 were Coroner's inquests.

TABLE "M"

	1961-62	1962-63	Percentage
Deaths within 24 hours of admission ..	134	112	Decr: 16.4

Perinatal Mortality

A combination of the totals of still-births and neonatal deaths shows that the perinatal mortality for the period under review remains the same as for the corresponding period 1961-62. Although there has been an increase in the number of births, the still-births rate has decreased this year by 20.6 percent.

TABLE "N"
Perinatal Deaths

	1961-62	1962-63	Percentage
Still-births	92	73	Decr: 20.6
Neo-natal	33	52	Incr: 57.5
Total	125	125	—

Operations

The total number of hospital operations (Major, Minor and Eye) has decreased by 0.5 percent. The previous year's total was: Major and Minor 4,562 as compared with 5,647. Eye — 217 as compared with 262. The average daily number of operations (In-Patients) was 13, the same as the previous year, and (Out-Patients) 2 as compared with 3.

TABLE "O"
Operating Theatres

	1961-62	1962-63	Percentage
In-Patient (including Eyes)	4,779	4,968	Incr: 3.9
Out-Patient	1,165	941	Decr: 19.2
Total	5,944	5,909	Decr: 0.5

Physiotherapy

The total number of treatments and attendances is 302 for the period under review as compared with 359 for the previous year. The number of new treatments has increased by 1.9 while the old attendances show a decrease of 40.3 percent.

TABLE "P"
Physiotherapy Department

	New Treatment			Old Attendances		
	1961-62	1962-63	Percentage	1961-62	1962-63	Percentage
In-Patient ..	65	82	Incr: 26.1	42	34	Decr: 19.0
Out-Patient	143	130	Decr: 9.0	109	56	Decr: 48.6
	208	212	Incr: 1.9	151	90	Decr: 40.3

Once again it is to be observed that the number of old cases attending the Casualty and the various clinics of the hospital has shown an upward trend. There has been a decrease however of approximately 22.2% in new cases. The increase in the old cases is again the result of the number of persons who had previously attended the hospital for the first time and who, having become conscious of the health facilities available at the hospital, are returning for treatment in large numbers.

The standard of behaviour of the persons attending the hospital is not satisfactory. There are still the individuals who feel that the only way they can secure immediate attention is to create a disturbance. It is to be hoped that as time goes on, all persons will realize the importance of behaving in an orderly manner in a hospital, and also realize that the staff at the Medical Records Department can only operate smoothly, expeditiously and efficiently if they get the fullest co-operation from the members of the general public.

THE MENTAL HOSPITAL

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

Population

The total number of patients in residence on 31st December, 1962, was 749 (307 males and 442 females) as against 770 (302 males and 468 females) on 31st December, 1961.

The average number in residence during the year was 758 - (303 males and 455 females) as against 749 (289 males and 460 females) in 1961.

The highest number recorded during the year was 774 on 10th June, 1962, as against 775 on 8th October, 1961, and the lowest was 733 on 2nd September, 1962, as against 739 on 30th April, 1961.

Admissions: There were 631 admissions (295 males and 336 females): 37 - 5.9% were certified, 142 - 22.5% voluntary, 384 - 61% temporary and 60 - 9.6% sent from the courts under observation. In 1961 there were 611 admissions (287 males and 324 females): 54 - 8.8% were certified, 126 - 20.6% voluntary, 391 - 63.9% temporary, and 41 - 6.7% sent from the courts under observation.

Discharges: 612 patients (293 males and 319 females) were sent out during the year as against 547 (250 males and 297 females) in 1961. 202 were permanently discharged, 192 discharged after a trial period of usually 2 to 3 months, 88 who afterwards returned from trial and 53 returned to the Courts for discharge. 165 were still out on trial at the end of the year. 10 of the 60 patients who were sent from the Courts were certified and only 1 was under observation at the end of the year.

Deaths: 47 patients (15 males and 32 females) died as against 56 (23 males and 33 females) in 1961.

The main causes of death were as follows:-

1962				1961			
Myocardial Degeneration c Arterio							
Sclerosis	..	..	21	Myocardial Degeneration	..	..	27
Cerebral Haemorrhage	..	..	3	Cerebral Haemorrhage	..	..	3
Dementia Paralytica	..	..	3	Sub-acute enteritis	..	..	2

Health

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

The number of deaths, most of which occurred amongst the elderly population, was lower than the previous year. The average age was 62 (65 in 1961).

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

1953	..	..	58	1957	..	..	49	1960	..	..	53
1954	..	..	35	1958	..	..	53	1961	..	..	56
1955	..	..	44	1959	..	..	46	1962	..	..	47
1956	..	..	52								

Staff

Dr. R. M. Lloyd-Still, Medical Superintendent, went on ninety (90) days vacation leave with effect from 14th July, 1962, on completion of contract and resumed duties on a new contract on 11th November, 1962.

Dr. W. Terajewicz, who was granted 106 days pre-retirement leave, returned to the island and resumed duties on contract with effect from 22nd May, 1962.

Mrs. Clorene Brewster (nee Holder) and Mr. Lesloyd Williams, who were on government scholarships in the United Kingdom, obtained their R.M.N. and S.R.N. Certificates and returned to the island on 16th April and 28th April, 1962, respectively. They were subsequently appointed to the posts of Sister and Senior Charge Male Nurse.

Mr. R. W. Springer, Assistant Head Male Nurse, was selected to attend a six (6) weeks course in nursing administration at the Marine Hotel. This course was sponsored by the World Health Organization.

An experimental after-care scheme was started about Mid-August and favourable reports were made by Mrs. Roach, R.N., R.M.N., (Barbados) and Mr. N. Burrowes, R.M.N. Mrs. Roach was selected to attend a residential course at U.W.I. in Principles and Practice of Social Work with effect from 21st January, to 18th May, 1963.

Mrs. T. Ward, R.M.N., was transferred to the Barbados General Hospital to undergo the R.N. Course and Miss N. Davis to the Mental Hospital to undergo the M.N. Course.

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

Electro-convulsive Therapy and Modified Insulin continue to be used with success but on a reduced scale due to the increased use of tranquillizing drugs in addition to the psychotherapeutic effect of open-door and Occupational Therapy - many different drugs have been given a trial but chlorpromazine and stelazine remain the sheet anchor and are used also very largely as maintenance for out-patients and preventing subsequent relapses. Parnate, parstelin, librium, taractan and tofranil have also had their uses.

Occupational Therapy

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

Recreation

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.

There was no Sports Day this year but the introduction of ward parties provided much amusement to patients.

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

Buildings

A Nurses' (female) changing room of 32 cubicles was constructed; a small apartment was renovated and converted into an office for the Tutor. The usual performance for maintenance and upkeep of existing buildings was carried out.

Visitors - Official

His Excellency the Governor, Sir John Stow, K.C.M.G., Honourable Mr. A. DaC. Edwards, Minister of Social Services and Dr. M. A. Byer, Director of Medical Services.

Unofficial

Mr. F. J. Erroll, President of Board of Trade; and Mrs. Erroll, Eldra L. M. Shulterbrandt, Director of Mental Health, U.S. Virgin Islands, Stella Landauer, World

Health Organization, Bertram Schaffner, M.D., Dr. K. L. Stuart, U.W.I., Beryl Carter, A.S.C.W., Illinois State Psychiatric Institute, Chicago, Aileen Fraser, Medical Social Worker, British Guiana. Mr. and Mrs. Ralph H. Henderson, Harvard Medical School, Boston, U.S.A.

Remarks

This has been another busy year for the Mental Hospital and the "turnover" of patients has been greater than ever. The admissions (631) are the highest recorded and the number of deaths have dropped considerably.

Intermediate and Final examinations for the Mental Nursing Certificate of Barbados were held in June and October 1962, and in the first instance, all twenty-two (22) passed the Final and seven (7) out of nineteen (19) passed the Intermediate. In October, ten (10) out of twelve (12) passed the Intermediate and five (5) out of eight passed the Final. Mrs. N. Roach becomes the first Nurse to have both R.N. and R.M.N. (local). After lengthy negotiations the following agreement was reached:—

- (a) Nurses with less than 10 years nursing experience on 1st April, 1961, must qualify by obtaining the "Mental Nurse" Certificate in order to transfer from the M. 14 scale to the M. 13 scale for qualified Nurses;
- (b) Nurses with at least 10 years but less than 15 years experience at 1st April, 1961, should be eligible for transfer from the M. 14 scale to the M. 13 scale on completing 15 years nursing experience or on attaining the "Mental Nurse" Certificate and subject to satisfactory reports by the Head of the Department; and
- (c) Nurses with 15 years or more nursing experience at 1st April, 1961, should be eligible for transfer from the M. 14 to the M. 13 scale with effect from 1st April, 1961.

The Medical Superintendent, on completion of his contract, proceeded on vacation in August, and returned to the island in November, on a further contract as Medical Superintendent. During his absence, Dr. W. Terajewicz acted as Medical Superintendent. During his vacation, he visited Mental Hospitals near London including Springfield Mental Hospital where Occupational Therapy is now based on supplying toys etc., on a business basis for sale and patients receive adequate pay for their work.

In Denmark he visited Professor Erik Stromgren, Professor of Psychiatry at Aarhus University and went around the Mental Hospital there. It is interesting that this hospital has about the same number of patients in residence as in Barbados and they are dealing with a community of 250,000, about the same population as Barbados and chiefly rural, and that the percentage of the various forms of mental disorder are also very similar.

In Vienna he visited Professor Hans Hoff at the University Clinic and saw the latest work that is being done in that country. Professor Hoff arranged for a visit to a new Voluntary Alcoholic Home outside Vienna which is run chiefly by the inmates themselves — alcoholism is a very serious problem now in that country and satisfactory results are being achieved at this Home — all alcoholics receive their pay whilst undergoing treatment as if it were any other disease.

I wish to thank all those who have particularly assisted me loyally, during the year and especially Mr. V. Boyce, the Steward and Mr. Knight, the Acting Head Male Nurse.

Tables are given in Appendices XX — XXIV.

THE MATERNITY HOSPITAL

Staff

Miss Cecily Inniss, Senior Nurse Midwife resigned with effect from 1st July, 1962.

Miss Gwennie Inniss, Nurse Midwife was promoted to the post of Senior Nurse Midwife from 1st July, 1962.

Miss Carmen Blackman, Acting Matron, was awarded study leave in the United Kingdom from 1st October, 1962, and Miss Gwennie Inniss, Senior Nurse Midwife was appointed to act as Matron from the same date.

Miss Joyce Burke was appointed to act as Senior Nurse Midwife from 1st October, 1962.

Pupil Midwives

	In Training	Trained Nurses	Untrained Pupils
From 1st January - 31st July	20	8	12
From 1st August - 31st December	18	7	11

January, 1962

Eight partly trained Pupil Midwives sat the Final Midwifery Examination.

Examination Results:- All passed.

Twelve (12) untrained Pupil Midwives sat the Preliminary Examination.

Examination Results:- Nine (9) passed, three (3) failed.

Four (4) untrained Pupil Midwives who failed the Final Midwifery Examination in July, 1961, re-sat the examination.

Examination Results:- Three (3) passed, one (1) failed.

February, 1962

Eight (8) partly trained Pupil Midwives entered for training.

July, 1962

The training of one (1) untrained Pupil Midwife was terminated because of very poor results in the Preliminary Examination and unsatisfactory practical work.

The training of one (1) Partly Trained Pupil Midwife was terminated because of illness.

September, 1962

Two (2) untrained Pupil Midwives who failed the Preliminary Examination in January, re-sat the examination.

Examination results:- Both passed.

Family Planning Clinic

The teaching is given by the field workers sent in by the Family Planning Clinic.

Baby and Post Natal Clinics

The attendance is satisfactory.

Statistics

Admissions	..	..	..	734
Discharges	..	..	..	674
Deliveries	..	..	..	611
Multiple pregnancies (twins)	..	..	..	5
Premature births	..	..	..	48

Baby Clinic attendances	..	..	597
Post natal attendances	..	..	494
Ante natal attendances	..	..	6,266
Dental benefits issued	..	..	148
Transfers to Barbados General Hospital			12 - (Adults 11, Infant 1)

Reasons for transfers to B.G.H.

Infant - ?Hydrocephalus.

Adults - 2 Disproportion
2 Prolonged labour
6 ?Ante-partum haemorrhage
1 Transverse lie.

Maternal deaths ..	..	..	..	..	1
Neonatal deaths	..	..	..	..	12

Causes of Death

Adult- Eclampsia

Infants - 10 Prematurity
2 Asphyxia neonatorum

Stillbirths ..	..	..	..	..	10
----------------	----	----	----	----	----

Causes of Stillbirths

3 Breech
2 Pre-eclamptic toxæmia
3 Inter uterine death
2 Cause unknown.

Treatments given	..	..	..	..	195
------------------	----	----	----	----	-----

V.D.R.L. Tests

Positive ..	..	62	} 698
Negative ..	..	636	

Cord bloods

Positive ..	..	22	} 38
Negative ..	..	16	

General Remarks

There were no babies born with Ophthalmia Neonatorum.

THE LEPER HOSPITAL

There were six (6) male and four (4) female patients in the hospital on the 1st January, 1962. By the end of the year the number of male patients had been increased to seven (7) but the number of female patients remained the same.

The following statistics are of interest:-

Number of patients in residence on 1st January, 1962	10
New admissions	1
Re-admissions on compassionate grounds	1
Discharges	1
Re-discharges	-
Deaths	-
In residence on 31st December, 1942	58
In residence on 31st December, 1952	31
In residence on 31st December, 1962	11

During the year thirty-nine (39) discharged patients presented themselves at regular intervals for medical examination. They remained 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 throughout the year.

The duties of Visiting Physician were carried out during this period by Dr. T. N. Blades.

The Revd. Father K. F. Hassell continued in the post of Chaplain throughout the year.

The Matron, Miss V. E. Sealy, continued her studies in nursing in the United Kingdom. Reports from the Matron at the hospital at which Miss Sealy was undergoing training, indicated that she made very good progress.

Throughout the year the duties of Matron were carried out by Attendant, Mrs. E. R. Jules.

Mr. C. H. Riley continued in the post of Steward and Clerk from the 1st January to the 3rd December when he was granted sixty (60) days' vacation leave.

For the Financial Year 1962-63 expenditure exclusive of Personal Emoluments was as follows:-

Provisions and fuel	\$7,966.84
Clothing and uniform	1,185.60
Cleaning, water and light	1,322.34
Furniture and bedding	348.29
Medicine and dressings	1,833.76
Incidentals	832.52
Medical boards	5.04
Stationery	38.86
Dental treatment	144.00
Inmate labour	1,587.62
Casual labour	3,199.18
Recreation and handicrafts	151.60
Travelling allowance	149.24
Equipment	234.08

The average daily cost per head for general maintenance was \$2.29½ and Provisions averaged \$1.55½ each per day.

Of the sum of \$12,658 provided under the Estimates of the Department of Social Welfare for the after-care of discharged patients, a total of \$12,646.85 was expended.

Inmate labour was used for the following:—

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

During the year eleven (11) pairs of trousers for the patients were made at the Prisons Department.

Garments washed during the period under review numbered 4,640 while those repaired numbered 329.

The Visiting and the After-care Committees functioned throughout the year with excellent results.

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

Equipment	224.08
Travelling allowance	149.94
Household and handcrafts	131.80
Casual labour	2,109.18
Labour	1,887.92
Medical treatment	144.00
Stationery	22.58
Medical books	2.04
Medicines	831.22
Medicine and dressings	1,853.78
Foodstuffs and bedding	248.30
Cleaning, water and light	1,292.24
Charity and welfare	1,181.60
Foodstuffs and fuel	27,888.84

The average daily cost per head for general maintenance was 22.28¢ and 27.07¢ respectively.

HEALTH CENTRE, ST. MICHAEL
Dr. L. Harney, Medical Officer of Health

Staff*Medical*

Dr. J. L. Harney, Medical Officer of Health, resumed duty in May on return from long leave.

Nursing

Miss A. Walters, Supervisor Nurse/Midwives, through a WHO Fellowship, visited Canada and the United States from March to August on an observation course in Supervision and Administration. Miss I. Barrett, Senior Public Health Nurse, Health Centre, St Philip acted for her.

Mrs. B. Williams, Senior Public Health Nurse, attended a six weeks Administration and Supervision course held under the auspices of WHO, at the Marine Hotel, May to June. Nurse L. Jackman acted for her.

Public Health Laboratory

Mrs. M. Gale, Junior Laboratory Technician, resigned.

X-Ray Department

Mrs. S. St. John, Radiographer, resigned and Miss S. Hanoman was appointed in her place.

Sanitation

Mr. S. J. Sealy, Chief Public Health Inspector, attended a nine week course in Administration and Sanitary Science held under the auspices of WHO at the Marine Hotel, October to December.

Venereal Disease Clinic

In July it was decided to hold an extra clinic on another day of the week as the numbers attending were becoming too large to deal with adequately. A third clinic day was accordingly started.

The total attendances were 24,939 as against 20,736 in 1961. It is difficult to say whether the increased numbers are due to a real increase in Venereal Disease or whether it is that more persons are making use of the clinics.

Gonorrhoea

	<i>Male</i>	<i>Female</i>	<i>Total</i>
New Cases	1,664	569	2,233
Total Attendances	2,856	1,497	4,353

It is gratifying to note that the male patients now seem more willing to give the names of their contacts, probably because of better understanding of the disease and its manner of spread. In some cases however, they genuinely do not know contacts who are casually met at dances etc.

Syphilis

	<i>Male</i>	<i>Female</i>	<i>Total</i>
New V. D. R. L. tests ..	3,395	2,805	6,200
New V. D. R. L. tests Positive	334	300	634
Percent. new V. D. R. L. Positive	9.8	10.6	10.2
Repeat V. D. R. L. tests on Positives ..	1,001	886	1,887
Number old V. D. R. L. negative (now)	205	190	395
Percent converted to negative	20.5	21.5	20.9

The percentage of positive V.D.R.L. blood tests at the clinic, represents the population at risk since the tests are performed on all persons attending the clinic, whatever the cause, and these persons are more likely to have a positive reaction. The percentage of positives in the general population would probably be less. If we take the blood results of emigrants as representing the males of the general population, we see this varied through the year from 2 - 6% positive. The Maternity Hospital's figures, which may be taken as representing the females of the general population, varied from 3 - 10% positive.

The percentage of positive tests converting to negative indicates the effect of treatment. Many of the patients attending clinic have had their blood positive for many years before receiving treatment (the great majority of cases are classified as late latent) and it is known that these cases take a long time if ever for the blood to revert to negative. Conversely the early cases which are treated tend to revert fairly quickly. The number reverting to negative should therefore approximate the number of early cases and this is found to be so: approximately 1/5 revert to negative and approximately 1/6 of cases are early syphilis.

	Male	Female	Total
Other V. D. attendances	597	308	905
Other (i.e. repeat) attendances ..	5,791	5,803	11,594

Ante-Natal Clinic

The total attendances for the year were one thousand two hundred and forty-three (1,243). New cases numbered two hundred and sixty-seven (267), a decrease of one hundred and nineteen (119) from 1961. The decrease may be due to Ante-natal services being available at Oistins' District Hospital (started in December 1960) or to Family planning or both.

Of the two hundred and sixty-seven (267) new attendances, 18% were *primiparae*. The highest number of mother was in the age group 16 - 20 (23%) closely followed by age group 26 - 30 (22%). Only five mothers were in the age group 11 - 15, making 1.8% of the total.

There are still a few mothers who wait until too late in their pregnancy to join the clinic. Every effort is being made to get them to come earlier.

NEW CASES

(Showing Age Distribution)

Age Group	No. of Mothers	Percentage
11 - 15	5	1.8
16 - 20	63	23.5
21 - 25	56	20.9
26 - 30	60	22.4
31 - 35	49	18.3
36 - 40	26	9.7
41 - 45	8	2.9
Total	267	

NEW CASES

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

Parity

Age of Mother	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	TOTAL
14	1	-	-	-	-	-	-	-	-	-	-	-	-	1
15	3	-	1	-	-	-	-	-	-	-	-	-	-	4
16	8	4	-	-	-	-	-	-	-	-	-	-	-	12
17	11	1	1	-	-	-	-	-	-	-	-	-	-	13
18	5	4	2	1	-	-	-	-	-	-	-	-	-	12
19	7	2	3	-	-	-	-	-	-	-	-	-	-	12
20	5	3	4	1	-	-	1	-	-	-	-	-	-	14
21	1	4	3	2	-	-	-	-	-	-	-	-	-	10
22	1	3	5	1	-	-	-	-	-	-	-	-	-	10
23	-	1	5	3	3	-	2	-	-	-	-	-	-	14
24	1	2	4	5	2	-	-	-	-	-	-	-	-	14
25	1	4	-	-	3	-	-	-	-	-	-	-	-	8
26	1	2	1	2	3	-	1	2	1	-	-	-	-	13
27	1	-	1	1	3	2	2	-	1	-	-	-	-	11
28	1	-	-	5	3	1	1	3	-	-	1	-	-	15
29	-	1	2	2	2	2	4	1	-	-	-	-	-	14
30	-	-	1	2	-	2	2	-	-	-	-	-	-	7
31	-	1	-	1	3	2	1	2	-	-	-	-	-	10
32	1	-	-	-	1	-	4	1	1	-	-	-	-	8
33	-	2	-	-	2	1	4	1	2	1	-	1	-	14
34	-	1	1	1	1	1	1	2	-	-	-	-	-	8
35	-	1	-	2	2	2	1	-	1	-	-	-	-	9
36	1	-	-	2	1	-	1	-	1	2	1	-	1	10
37	-	-	1	-	-	-	2	-	-	1	-	-	-	4
38	-	1	1	-	-	1	2	-	1	-	1	-	-	7
39	-	-	-	-	-	1	-	-	-	1	-	1	-	3
40	-	-	-	-	1	1	-	-	-	-	-	-	-	2
41	-	-	1	-	-	-	-	-	2	-	-	-	-	3
42	-	-	1	-	-	-	-	-	1	-	1	1	-	4
43	-	-	-	-	-	-	-	-	1	-	-	-	-	1
Total	49	37	38	31	30	16	29	12	12	5	4	3	1	267

Child Health Clinic

Total attendances were four thousand, eight hundred and twenty-eight (4,828) and new cases numbered seven hundred and forty (740). There was no appreciable difference in the number of new cases compared with the previous year which was seven hundred and forty-four (744).

The numbers presently attending are as many as can be dealt with adequately. It is not possible to divide the clinic and have two (2) separate days because there are no free days available.

The age at first attendance for the majority (41%) was between five (5) and eight (8) weeks.

Immunisations

Smallpox vaccinations	..	..	383
Triple Antigen			{ 378 - complete 289 - in progress 34 - booster
(Diphtheria, Whooping Cough, Tetanus)			
Polio	..	..	{ 33 - complete 273 - in progress

Note: Complete = 3 injections given.

In progress = 1 or 2 injections given.

NEW CASES
(Showing Age at First Attendance)

Age Group	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	%
0 - 4 weeks ..	14	5	15	17	11	10	9	7	4	10	21	11	134	18.1
5 - 8 weeks ..	25	14	38	16	34	25	16	32	22	32	25	22	301	40.6
9 - 12 weeks ..	14	7	15	10	10	5	16	16	10	13	15	6	137	18.5
13 - 16 weeks ..	6	0	9	6	5	3	9	5	5	5	8	2	63	8.5
17 - 20 weeks ..	8	3	1	6	4	4	3	5	1	3	6	0	44	5.9
21 - 24 weeks ..	5	5	4	1	7	5	1	2	1	2	3	2	38	5.1
25 - 28 weeks ..	2	2	2	0	1	3	0	1	1	1	0	1	14	1.9
29 - 32 weeks ..	0	1	1	0	0	0	0	0	0	1	1	0	4	0.5
33 - 36 weeks ..	0	0	0	0	0	0	0	1	0	0	0	0	1	0.1
9 months ..	1	0	0	1	0	0	0	0	0	0	0	0	2	0.2
10 months ..	1	0	0	0	0	0	0	0	0	0	0	0	1	0.1
11 months ..	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 months ..	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 months ..	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 months ..	0	0	0	0	1	0	0	0	0	0	0	0	1	0.1
Total ..	76	37	85	57	73	55	54	69	44	67	79	44	740	

Inoculations

The total number of inoculations given for the year was fifteen thousand, five hundred and fifty-four (15,554).

Small-pox	..	..	..	12,548 (Primary = 4,365; Revaccinations = 8,183)
T. A. B.	..	..	..	2,629
Yellow Fever	..	..	..	203
Diphtheria	..	..	..	102
Tetanus Toxoid	..	..	..	70
A. T. S.	..	..	..	2
Total	..	..	..	<u>15,554</u>

From January 16 to February 13, a mass vaccination campaign was carried out following an outbreak of smallpox in England. Routine clinics were closed for two (2) weeks during this period, and apart from vaccinations done at the Health Centre — which vaccinations are recorded above — a centre was set up at the new hospital buildings, and nurses visited all the schools in the parish of St. Michael. A total of forty-five thousand, three hundred and eighty-eight (45,388) persons were vaccinated and of this number twenty thousand, four hundred and fifty-one (20,451) were school children. This campaign accounts for the unusually large number of smallpox vaccinations given for the year.

Dental Clinic

Attendances were:—

School children	..	..	2,616
Ante-natal patients	..	..	<u>129</u>
			<u>2,745</u>

Eye Clinic

Total attendances were hundred and fifty-five (855).

This service is for school children only. At present there is a delay of seventeen (17) months before being able to see the Ophthalmologist.

Home Visits

Total visits were four hundred and twenty-six (426). More visits cannot be made because of shortage of staff. This means that looking up delinquent patients and contacts of V.D. cases must of necessity be neglected. "Of necessity" because nurses cannot be sent out visiting if patients are at the centre needing attention.

T. B. Clinic

There were thirty-four (34) new cases and total attendances were one thousand, six hundred and fifty-one (1,651).

X-Ray Department

Routine

Miniatures	..	..	10,249
Large films	..	..	<u>1,054</u>
Total	..	..	<u>11,303</u>

Of this number three thousand, eight hundred and sixty-two (3,862) were emigrants.

B.C.G. Follow-up

Miniatures	79
Large films	48
Total	127

Grand total for 1962 was eleven thousand, four hundred and thirty (11,430).

B.C.G. Programme

The following table summarizes the work done for 1962:

	School Children	Others	Total
No. Tested	4,509	1,075	5,584
No. Positive	819	586	1,405
No. Vaccinated	3,181	416	3,597
No. negative not vaccinated ..	53	0	53
No. not read	456	73	529

Public Health Laboratory and Sanitation Department

The reports of these two sections are submitted separately.

Conclusions

The total attendances for the year were sixty-five thousand, eight hundred and forty-eight (65,848).

We have pointed out many times the need for extra nursing staff. It is now necessary to point out that the time has come for another medical officer. One person is unable to do the work properly. The V.D. Clinic alone could engage the attention of one medical officer, for the stage is quickly being reached where blood results and not patients are being treated. If the numbers attending the clinics continue to increase, not only the staff but the building will need extending.

The nurses have shown many times how well they respond to meet any emergency and they should be congratulated for carrying on efficiently under sometimes very adverse conditions.

The staff of the other sections have also all worked well during the year.

Veneral Diseases

Also, as I have suggested in previous reports, it is possibly an indication that the population most concerned has been thoroughly screened, and that this might result in a gradual reduction in these figures in future years.

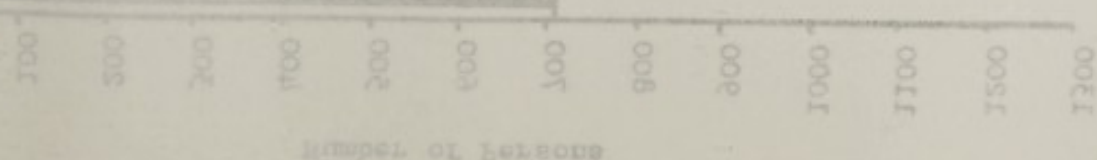
The number of positive reactions was 344 in 1962, compared to 501 in 1961, and 1,592 in 1960. This is a decrease of 19.2 per cent in 1962 and 17.9 per cent in 1961, compared to 1960.

The number of new syphilis cases treated in 1962 was 81, compared to 123 in 1961, and 150 in 1960.

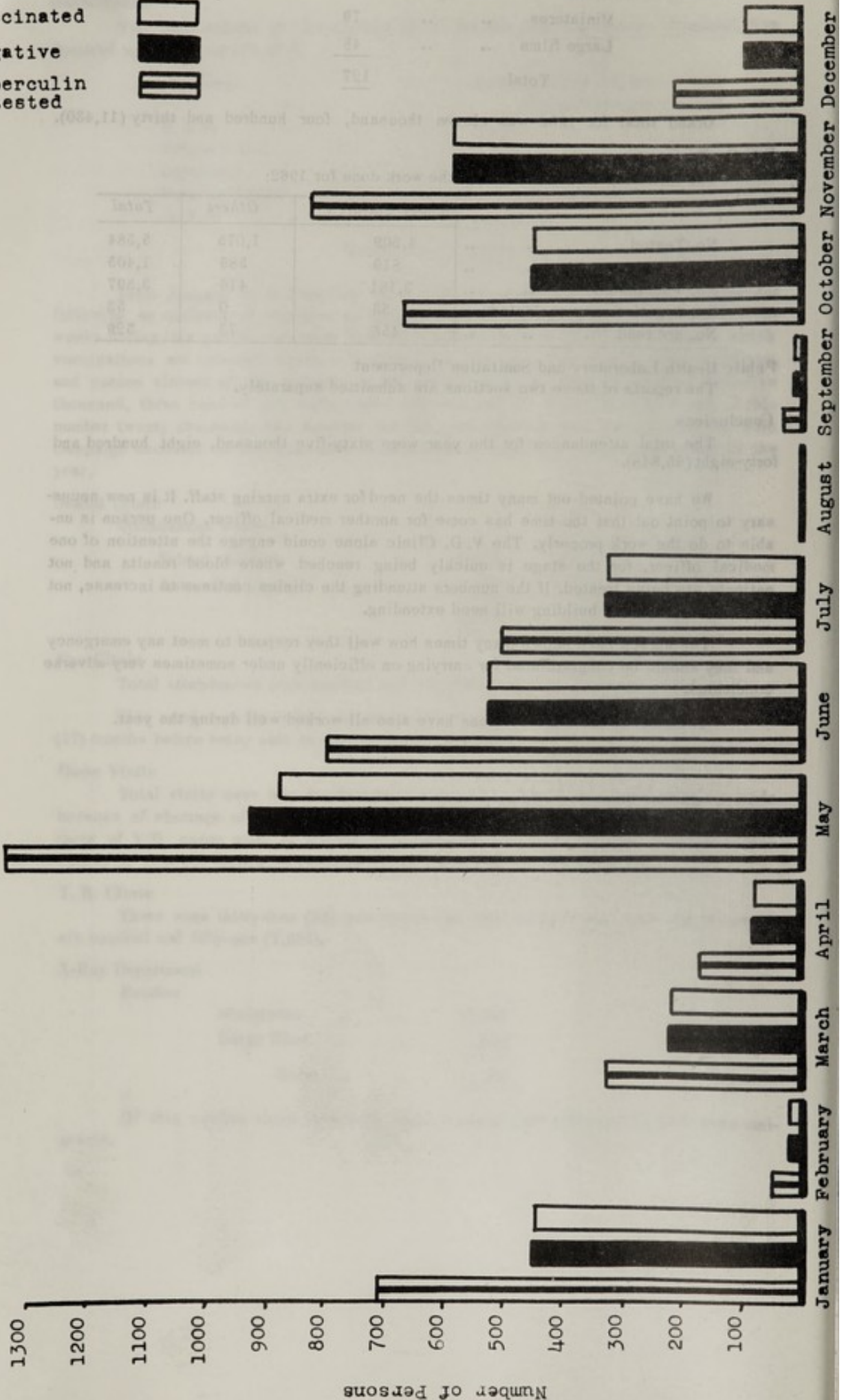
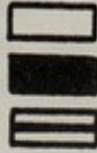
The relative percentage figures for new cases showing positive V.D.R. test results for our four Clinic areas is as follows:-

Bedfordtown	5.81
Beddingfaine	7.38
Chimborazo	7.85
Elmley	4.12

The average percentage figure for the four clinics is 5.82.



Vaccinated
Negative
Tuberculin
tested



B.C.G. FOLLOW-UP PROGRAMME 1962

HEALTH CENTRE, SPEIGHTSTOWN

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

Work at the Health Centre has again proceeded normally throughout the year with ample evidence of appreciation of its routine services by large numbers of the poorer classes of the community and of its value to them in emergencies.

There were again no serious epidemics to record, although influenza outbreaks at intervals were fairly numerous.

The feature of interest and effort in the early part of the year was an intensive smallpox vaccination project to cover all the schools in the northern district, and as many of the general public who wished to avail themselves of this opportunity.

Concern and interest by the general public was stimulated by news of a sudden outbreak of smallpox in the United Kingdom, followed by a report that two air passenger contacts had arrived in Barbados.

This provided an excellent opportunity to overtake vaccination arrears for adults and to insure that the entire school population in the Northern District was safeguarded against smallpox by vaccination.

With only one temporary addition to the staff for clerical duties, and part-time additional transport, the whole project was completed within three and a half weeks.

All the fifty-four schools in the Northern District were visited in turn by our mobile unit and the vaccination of all unvaccinated children completed, and in certain cases revaccination of older children when considered necessary.

The grand total for the campaign was 17,969 vaccinations and of these 13,138 were primaries and 4,831 revaccinations.

The abnormally large number of individuals vaccinated during the months of January and February was responsible for a considerable increase in the total number of attendances during the year, and these reached the figure of 34,088.

Owing to this additional pressure of work during January and February without any additional nursing staff, it was inevitable that the routine work of the clinics should suffer to a certain extent during that period, and this has its reflection on the figures for some of the other headings to a small extent.

Venereal Diseases

The number of V.D.R.L. tests for the year was 1,846, compared to 2,788 in 1961, and this decrease is partly accounted for by fewer persons requiring certificates for emigration.

Also, as I have suggested in previous reports, it is possibly an indication that the population most concerned has been thoroughly screened, and that this might result in a gradual reduction in these figures in future years.

The number of positive reactors was 354 in 1962, compared to 501 in 1961, and this works out on a percentage basis at 19.2 for 1962 and 17.9 for 1961, and compares with 25.6 in 1960.

The number of new Syphilis cases treated in 1962 was 81, compared to 133 in 1961.

The relative percentage figures for new cases showing positive V.D.R.L. reactors for our four Clinic areas is as follows:-

Speightstown	..	..	..	5.31
Belleplaine	..	..	..	7.28
Chimborazo	..	..	..	7.35
Hillaby	..	..	..	4.12

which gives an average percentage figure for the four clinics of 5.63.

Figures for Gonorrhoea for the year are 127, compared to 128 in 1961. These are a considerable improvement on the 1960 total of 293.

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

Maternal and Child Health Clinics

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

Figures for the Ante-natal Clinic attendances are exactly one thousand, and for the Child Health Clinic, three thousand six hundred and eleven.

Dental Clinic

The Dental Surgeon - Dr. F. Alleyne - who had been in charge of this Clinic since the Health Centre was opened in 1953 was replaced in April by Dr. R. Greaves.

There was an increase in attendance during the year from 1,950 in 1961 to 2,767 in 1962.

Eye Clinic

Mr. H. N. St. John continued to attend to this Clinic and the number of attendances was 462 for the year. The average number of new cases seen at these fortnightly clinics is ten - about 240 per annum - and there are large numbers on the register awaiting examination. At the present time - May 1963 - we are dealing with the applications received in June of last year, nearly twelve months in arrears.

Diabetic Clinic

Numbers attending this Clinic again increased, and there were 84 names on the 1962 register.

Attendances by the diabetic patients are, for the most part, erratic and unsatisfactory, and hardly any of them keep to their instructions for regular attendance to avail themselves of the facilities for sugar tests and for their injections.

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

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

The number of Insulin treatments given was 3,384, which although considerable is nothing like the total it should have been if all the patients had returned for the full treatment prescribed.

Family Planning

Following a smaller allotment by Government for expenditure under this Heading in last year's budget, it was not found possible to continue the regular Friday afternoon Family Planning Clinic at this Health Centre after the first few months.

In consequence of this, attendances fell to 328 for the year, as compared with 589 in 1961.

Supplies of contraceptive material are still available at the Health Centre, but new applicants are recommended to attend at the Family Planning Clinics at Enmore on their first attendance.

Country Clinics

Out Station Clinics have been held regularly throughout the year at Belleplaine, Hillaby and Chimborazo, and they seem to be genuinely appreciated.

Vaccinations, Inoculations and Immunisations

I have already referred to the special project undertaken in January and February, when 17,969 vaccinations against smallpox were completed, including all the school children in the Northern District.

Apart from this a considerable number of individuals are protected every year against Tetanus and Typhoid-Paratyphoid fever by inoculations at the Health Centre.

Whenever a case of Typhoid fever is reported in the District, all the contacts are at once inoculated at their homes or in the schools and the same applies to any cases reported of Poliomyelitis.

The valuable work of protecting young children against Diphtheria, Tetanus and Whooping cough with Triple Antigen vaccine has continued normally throughout the year.

Two hundred and seventy-eight courses of three inoculations each were fully completed and two hundred and fifteen started, but not yet completed, leaving another thirty-six still to be started.

Immunisations against Poliomyelitis have also made progress and one hundred and eight courses of three inoculations each were fully completed, with another two hundred and nine started but not yet completed, and another fifty-four not yet started.

Salk vaccine was used throughout for these immunisations and the long period of six months between the second and third inoculations is responsible for the fewer numbers having been fully completed.

Home Visits

In my last year's report I had to record disappointment at the number of home visits. There has been, however, a definite improvement in these figures from 477 to 911 in 1962. If a second car were available on a hire arrangement when required, the number of these home visits could be increased considerably.

Public Health Committee Northern District Council

In an advisory capacity and by invitation, I have regularly attended all these Committee Meetings which are held at irregular intervals - sometimes two or three in one month, and have done my best to help to raise and improve standards.

On the whole, suggestions and recommendations made have been well received and agreed to, but there often appears to be little progress.

As a small matter of interest, I record a Select Committee on Scavenging to which I was elected and asked to prepare recommendations, and I submitted eight of these to this committee. All were unanimously approved and subsequently unanimously endorsed by the Public Health Committee of the Northern District Council eight months ago.

It is however, disappointing that with only one exception none of the items approved has been implemented.

Staff - Medical Officer of Health

Dr. C. G. Terrell remained in charge of the Health Centre during the year, following Dr. Webb's continued secondment to Enmore Health Centre, until May 7th, when he proceeded on a long spell of leave out of the Island.

Senior Public Health Nurse

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

Chief Public Health Inspector

Mr. L. G. Harris continued to hold this appointment in the Northern District attached to Speightstown Health Centre, and attended the special two months' Public Health Inspectors Course held at the Marine Hotel last Autumn.

Owing to difficulty in obtaining adequate supervision of the work of the Aedes Egypti Eradication Scheme personnel, his services have been largely made use of in this supervisory capacity for the Northern District.

Despite this, and with more limited time available, the general public health work has continued normally.

Mr. Harris also regularly attended the Northern District Council's Public Health Committee meetings in an advisory capacity.

Statistical Schedule

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	12	13
Mothers	42	64	50	45	25	28	12	10	5	4	1	—	1

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	2	70	76	50	55	23	11

TABLE III

The result of the V. D. R. L. Tests done for mothers attending this Clinic

Negative	Positive	Tests not done
258	29	—

TABLE IV

Live Births		Twins	Abortions	Miscarriages	Stillbirths
Male	Female				
126	148	3	1	7	8

TABLE V
Immunisations

		Completed	Started but not Completed	Not Yet Started
Triple Antigen	..	278	215	36
Polio	..	108	209	54

TABLE VI

To Show the Age/Weight of Infants at First Attendance

Weight in lbs.	Age (in months) at 1st Attendance							
	1	2	3	4	5	6	7	8
4	1	-	-	-	-	-	-	-
5	2	1	-	-	-	-	-	-
6	2	1	-	-	-	-	-	-
7	15	4	-	-	-	-	-	-
8	8	3	1	3	-	-	-	-
9	25	24	2	-	-	-	-	1
10	18	32	8	2	-	1	-	-
11	12	30	10	-	2	2	1	2
12	4	25	18	2	3	2	-	1
13	1	9	15	7	3	1	1	1
14	-	6	12	4	4	1	-	3
15	-	4	2	3	3	1	1	4
16	1	1	4	3	3	3	5	1
17	-	-	2	-	2	1	3	3
18	-	-	2	3	1	3	3	13

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

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

Up to the end of June clinics were held weekly on Thursdays at 4.00 p.m. at Kendal, St. John. Attendance, however, was so low that the clinic was closed and opened for closing this clinic at the end of June.

Work at the Antigen Clinic at St. John was carried on such an extent, that it was found necessary to hold a special clinic on Wednesday mornings, and from 15th July onwards special mobile clinics were sent at this clinic.

STATISTICAL SCHEDULE 1962

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Patient Attendances ..	7,824	11,379	1,491	1,240	1,391	1,167	1,764	1,609	1,505	1,967	1,595	1,156	34,088
New Syphilis Cases ..	19	5	8	4	6	8	6	3	8	11	3	-	81
V. D. R. L. Tests ..	177	38	141	148	212	182	200	215	141	181	198	83	1,846
Positive V. D. R. L. Tests ..	33	11	36	22	34	36	40	38	26	48	24	6	354
Gonorrhoea Cases ..	21	12	6	7	14	13	14	18	6	13	2	1	127
Chancroid Cases ..	-	-	-	-	-	-	-	-	-	-	-	-	-
New Ante-natals ..	22	11	18	17	34	26	18	25	26	28	20	12	257
New Infants ..	50	11	21	35	53	28	35	45	36	40	34	24	412
Vaccinations and Inoculations	7,131	10,509	189	138	195	155	118	140	108	82	61	63	18,889
Insulin Treatment ..	302	318	262	242	271	253	301	294	294	274	226	347	3,384
D. T. P. P. Immunisations ..	107	71	68	70	95	90	102	103	104	106	105	72	1,093
Polio Injections ..	41	25	25	40	44	69	43	90	84	50	89	83	683
Home Visits ..	29	11	39	22	80	34	94	124	137	131	124	86	911

HEALTH CENTRE, SIX CROSS ROADS

Dr. A. V. Wells, Medical Officer of Health

General

The Six Cross Roads Health Centre continued throughout the year as the main centre from which Public Health work in the Southern District was organised. As in previous years clinics were held at Six Cross Roads and at various stations in the District.

Staff

Dr. A. V. Wells, O.B.E., M.B., Ch.B., D.P.H., D.T.M. & H., was appointed Medical Officer in succession to Dr. K. L. Standard, and assumed duty with effect from 24th June, 1962.

Until Dr. Wells assumed duty the work at the clinics at Six Cross Roads, Oistins and Gall Hill was supervised by Dr. M. A. Byer, Director of Medical Services, and Dr. E. Cochrane, Senior Medical Officer of Health. Dr. L. B. Bannister acted as part-time physician for the clinics at St. Augustine, Kendal and Glebe.

After Dr. Wells' appointment, Dr. Bannister continued to take the clinics at St. Augustine.

Dr. C. L. Hutson continued, throughout the year, as part-time Visiting Physician to the Six Cross Roads Health Centre where he ran the Venereal Diseases and Diabetic Clinics.

Mr. H. N. St. John continued fortnightly Ophthalmic clinics at Six Cross Roads.

Drs. J. Smith and T. E. Talma were responsible for the Dental Clinics at Six Cross Roads.

Mr. C. E. Haynes, Chief Public Health Inspector, went on three months' vacation leave with effect from 2nd August, 1962; during his absence, Mr. E. Baird acted as Chief Public Health Inspector.

In March, Miss I. Barrett, Senior Public Health Nurse, was appointed to act as Supervisor, Public Health Nurses, vice Miss A. Walters who was granted six months' vacation leave. During Miss Barrett's acting appointment Miss G. Jordan was appointed to act as Senior Public Health Nurse.

Vacation leave was granted to Mrs. I. Jones, Junior Public Health Nurse, from 25th June to 31st July, and to Mrs. T. Springer, Junior Public Health Nurse, from 1st August to 14th September. Mrs. O. Moe was appointed to act from 25th June to 31st August, and Miss A. Lorde from 1st to 14th September.

Clinics

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

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

Up to the end of June clinics were held weekly on Thursday afternoons at Kendal, St. John. Attendances, however, were so small that approval was sought and obtained for closing this clinic at the end of June.

Work at the Ante-Natal Clinic at Oistins was increasing to such an extent, that it was found necessary to start an additional clinic there on Wednesday mornings, and from 18th July onwards expectant mothers attending for the first time were seen at this clinic.

Services

The following were the services given at the various clinics in the District:-

(i) Health Education

This continued to form an important part of the work at all clinics where the Public Health Nurses gave individual and group instruction in all aspects of Public Health work. In addition, from time to time, Health Educational films were shown and talks given to community groups by the Medical Officer of Health, the Chief Public Health Inspector and other members of the Staff.

(ii) Ante-natal

Throughout the year ante-natal clinics were held weekly at Six Cross Roads and fortnightly at the other stations, except at Oistins. At Oistins, clinics were held weekly up to June and twice weekly thereafter.

At these clinics expectant mothers are given a blood test and treated if necessary. They receive instruction 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 institutional delivery services in the district. All abnormal cases, except mild toxæmias, are referred to the Barbados General Hospital.

Table I gives the number of cases and the total attendances for the year 1962, and, for comparison, the totals for the year 1961.

TABLE I
Ante-natal Cases

	Six + Roads	Gall Hill	Kendal	St. Augustine	Glebe	Oistins	Total 1962	Total 1961
Cases	251	72	—	36	78	287	724	726
Attendances ..	1,132	240	—	133	246	1,779	3,530	2,941
Average attendance per case ..	4.5	3.3	—	3.7	3.2	6.2	4.9	4.1

Table II shows the age distribution of the cases attending the Ante-natal clinics.

TABLE II
Ante-natal Cases by Age Group

Centre	Under 15	15-19	20-24	25-29	30-34	35-39	40 +	Total
Six + Roads	4	59	63	53	39	24	9	251
Gall Hill	—	18	16	12	12	10	4	72
Kendal	—	—	—	—	—	—	—	—
St. Augustine	1	9	12	6	3	3	2	36
Glebe	3	17	10	23	12	9	4	78
Oistins	1	94	83	45	28	26	10	287
Total 1962	9	197	184	139	94	72	29	724
Total 1961	4	182	166	153	120	74	27	726

Table III gives by age group, the number of 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 1962	Total 1961
No. under 15	4	—	—	1	1	1	9	4
No. Positive	0	—	—	0	0	0	0	0
% Positive	0	—	—	0	0	0	0	0
No. 15 — 19	59	18	—	9	17	94	197	182
No. Positive	4	1	—	0	0	3	8	4
% Positive	6.8	5.6	—	—	0	3.2	4.1	2.2
No. 20 — 24	63	16	—	12	10	83	184	166
No. Positive	6	1	—	1	2	9	19	14
% Positive	9.5	6.3	—	8.4	20	10.8	10.3	8.4
No. 25 — 29	53	12	—	6	23	45	139	153
No. Positive	4	1	—	1	2	5	13	11
% Positive	7.5	8.4	—	16.7	8.7	11.1	9.4	7.2
No. 30 — 34	39	12	—	3	12	28	94	120
No. Positive	4	3	—	0	3	2	12	23
% Positive	10.3	25.0	—	0	25.0	17.1	12.8	19.2
No. 35 — 39	24	10	—	3	9	26	72	74
No. Positive	6	5	—	0	1	4	16	9
% Positive	25.0	50.0	—	0	11.1	15.4	22.2	12.2
No. 40 +	9	4	—	2	4	10	29	27
No. Positive	2	2	—	0	0	3	7	6
% Positive	22.2	50.0	—	0	0	30.0	24.1	22.2
Total number	251	72	—	36	78	287	724	726
No. Positive	26	13	—	2	8	26	75	67
% Positive	10.4	18.1	—	5.6	10.3	9.1	10.4	9.2

Of the 724 expectant mothers, 75 or 10.4% had positive bloods; this compares with 67 or 9.2% of 726 in the previous year. The highest percentage of positives, 24.1% of 29 cases, was in the over 40 age group. 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.

Table IV gives the parity of the cases attending the Ante-natal Clinics.

TABLE IV
Parity of Ante-natal Cases

No. of Pregnancy	1st	2nd	3rd	4th	5th	6th	7th	8th	Total
Six Roads	45	41	45	20	25	28	12	2	218
Gall Hill	9	13	10	8	9	5	7	4	65
Kendal	—	—	—	—	—	—	—	—	—
St. Augustine ..	5	7	8	5	3	3	1	2	34
Glebe	12	12	14	13	8	3	3	4	69
Oistins	66	55	41	35	23	17	15	14	266
Total	137	128	118	81	68	56	38	26	652

TABLE IV - Continued
Parity of Ante-natal Cases

No. of Pregnancy	9th	10th	11th	12th	13th	14th	Total	Total
Six Roads ..	8	7	8	6	1	3	33	251
Gall Hill ..	2	3	2	—	—	—	7	72
Kendal ..	—	—	—	—	—	—	—	—
St. Augustine	1	—	1	—	—	—	2	36
Glebe ..	5	1	1	1	—	1	9	78
Oistins ..	5	4	4	4	1	3	21	287
Total ..	21	15	16	11	2	7	72	724

(iii) Child Health

There were 954 new cases registered at the Clinics during the year, as compared with 960 in 1961. The total number of attendances was 7,407. These figures are shown in Table V.

TABLE V
Child Health Attendances

	Six + Roads	Gall Hill	Kendal	St. Augustine	Glebe	Oistins	Total 1962	Total 1961
New Cases	253	103	4	105	113	376	954	960
Attendances	1,980	776	70	786	943	2,852	7,407	7,145

The age at first attendance of the new cases attending the Child Health Clinics is shown in Table VI.

TABLE VI
Child Health Clinics - Age at First Attendance

Age in months	0-1	1+	2+	3-5	6-8	9-11	12-14	15+	Total
Six + Roads ..	52	62	63	52	20	4	—	—	253
Gall Hill ..	12	20	26	26	10	8	—	1	103
Kendal ..	—	2	1	1	—	—	—	—	4
St. Augustine	5	18	24	47	6	3	2	—	105
Glebe ..	—	15	36	34	20	6	2	—	113
Oistins ..	63	123	63	66	45	13	1	2	376
Total ..	132	240	213	226	101	34	5	3	954

(iv) Immunisations

Routine immunisations at Child Health Clinics consisted of administration of triple (D.P.T.), poliomyelitis (Salk) and smallpox vaccines.

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

TABLE VII
Immunisations Carried out at Child Health Clinics

Clinics	D.P.T.				Salk			Smallpox
	1st	2nd	3rd	Booster	1st	2nd	3rd	
Six + Roads ..	200	172	174	44	76	51	50	150
Gall Hill ..	86	89	57	17	37	23	9	68
Kendal	1	2	3	1	1	1	2	5
St. Augustine ..	105	91	86	24	38	24	19	111
Glebe ..	118	96	76	25	42	41	7	80
Oistins ..	263	237	205	32	118	82	29	221
Total ..	773	687	601	143	312	222	116	635

Between January and May an island-wide smallpox vaccination campaign was carried out. All schools in the Southern District were covered and 13,257 school children received smallpox vaccine. In addition, at the Health Centres, 3,190 primary vaccinations and 4,655 re-vaccinations were carried out on adults. During the smallpox outbreak, in the United Kingdom, a Public Health Nurse was on duty at Seawell Airport to meet all planes arriving from Britain, and to vaccinate any passengers not possessing valid certificates of vaccination against smallpox.

(v) *Screening for Syphilis*

During the year 2,643 blood samples from new cases and 506 from repeat cases were examined by the V.D.R.L. test; of the former 251 or 9.5% were positive, while of the latter 110 or 21.7% had reverted to negative. Details are shown in Table VIII.

TABLE VIII
Blood Tests for Syphilis

Clinics	New Cases			Repeat Cases		
	No.	No. Pos.	% Pos.	No.	No. Neg.	% Neg.
Six + Roads ..	898	59	6.6	146	31	21.2
Gall Hill ..	425	51	10.9	96	16	16.7
Kendal ..	2	0	0.0	1	1	100.0
St. Augustine ..	231	23	10.0	60	12	20.0
Glebe ..	313	38	12.1	75	20	26.7
Oistins ..	774	80	10.3	128	30	23.4
Total: 1962 ..	2,642	251	9.5	506	110	21.7
Total: 1961 ..	2,987	282	9.4	718	161	22.4

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

Table IX gives the diagnosis, by sex, of the 251 new cases seen at the Clinics.

TABLE IX
New Cases of Syphilis - Diagnosis

Sex	Pri- mary	Second- ary	Early Latent	Late Latent	Cardio- Vascular	Con- genital	Pend- ing	Total
Males ..	1	7	11	45	—	11	26	101
Females	—	8	23	61	11	10	37	150
Total	1	15	34	106	11	21	63	251

(vi) *School Health Services*

(a) *Eye Testing* - The Ophthalmic Surgeon Specialist 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 children seen was 607 as compared with 278 in 1961.

(b) *Dental Services* - Each of the two Dental Surgeons paid weekly visits to the St. Philip Health Centre. At these clinics expectant mothers as well as school children are attended to. The number of cases treated in 1961 and 1962 is shown in Table X.

TABLE X
Attendances at Dental Clinics

					1962	1961
School Children	..	..	..	..	1,094	1,409
Expectant Mothers	..	..	..	..	476	410
Total	..	..	..	..	1,570	1,819

(vii) *Laboratory*

The laboratory work is directed and supervised by the Public Health Laboratory Service. Two technicians attend at the Ante-natal Clinics at Six Cross Roads for haematological investigations and urine testing of expectant mothers. All V.D.R.L. and Wassermann tests as well as smears and cultures for other venereal diseases are done at the Public Health Laboratory. 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; that it does not constitute a greater part of Public Health activities is due to the rather small staff available and to inadequate transport facilities. During the year 1,086 home visits were paid as compared with 1,207 in 1961. Details are shown in Table XI.

TABLE XI
Home Visits

Year	Six + Roads	Gall Hill	Kendal	St. Augustine	Glebe	Oistins	Total
1962	230	140	-	101	109	506	1,086
1961	331	163	10	130	105	468	1,207

(ix) *Family Planning*

Regular visits were paid to the clinics by members of the Family Planning Association up to the end of September, 1962; thereafter visits were discontinued, but supplies were available, on sale, to persons needing them. After September, new cases were referred to Enmore Health Centre for interview with the Family Planning Nurses. During the year advice was given to 359 new cases as compared with 200 in 1961.

Chief Public Health Inspector

The following summarises the work carried out by the Chief Public Health Inspector during the year:

(i) *Environmental Hygiene*

Special house inspections were carried out in various parts of the District in order that a full picture of the general sanitation of the area might be obtained. Nuisances which could be corrected on the spot were remedied and the District Inspectors were informed of general conditions.

In the Fairy Valley area of Christ Church and the sea board areas of St. Philip, where the coral formation is very hard, disposal of night soil presents a problem, as it is very difficult to dig pits in these regions. Some of the houses in these areas are without any sanitary conveniences, while others are provided only with buckets.

During the year 349 pre-cast latrine units, produced by the Public Health Engineering Unit, were installed in the Southern District.

(ii) *Scavenging*

There is room for improvement in this service. The number of trucks in use is insufficient to cope with the amount of refuse to be collected in the District, and owing to frequent breakdowns of those in use, the service is further handicapped.

The disposal of refuse at Kendal Hill and Gall Hill, Christ Church, where dumping is indiscriminate and no covering material is used, causes considerable nuisance to persons living close to the dumps.

(iii) *Land Development*

During the year seven (7) applications connected with land development were dealt with by the Department.

(iv) *Aedes Eradication Programme*

This programme continued throughout the year but very little progress was made. In St. Michael (South), Christ Church and St. George persistent breeding was found in certain areas. The parish of St. John was virtually free of breeding while a very low index was maintained in St. Philip.

A list of all positive premises was submitted to the Senior Public Health Inspector of the Southern District Council for his immediate attention.

It is proposed to intensify the programme by increasing the number of Aedes Inspectors, so as to reduce the interval between cycles of inspection; at present the interval between cycles is about three to four months.

Householders are still not co-operating as fully as they should.

(v) *Notifiable Diseases*

During the year 24 cases of communicable diseases were notified as follows:-

Enteric Fever	2
Poliomyelitis	1
Diphtheria	5
Leptospirosis	4
Tuberculosis	12

All cases were investigated and the necessary preventive measures taken.

(vi) *Water Sampling*

Water samples for bacteriological examination were taken regularly throughout the year from sources and distribution points.

Of the total of 284 samples taken, 16 proved suspicious on first examination, but were all found satisfactory on re-examination.

Four samples were taken from private water supply systems.

(vii) *Nuisances*

Several complaints of nuisances, involving mosquitoes, flies, refuse disposal, keeping of animals and disposal of waste water were investigated and appropriate advice given. When necessary these matters were drawn to the attention of the Public Health Inspectors of the Southern District Council.

Southern District Council

The Medical Officer of Health and the Chief Public Health Inspector attended all meetings of the Public Health Committee of the Southern District Council. At these meetings several Bye-Laws, made in accordance with the Public Health Act, No. 52 of 1954, were approved in draft, and many matters affecting the general public health of the

District were discussed. It is a pleasure to record that relations between the officers of the Central Government and the Committee were invariably extremely cordial, and excellent co-operation was maintained.

Visitors

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. E. Cochrane, Senior Medical Officer of Health.

Dr. J. Chopra, W.H.O. Nutrition Adviser.

Miss Stella Landauer, W.H.O. Nursing Consultant.

Miss N. Cunningham, W.H.O. Nursing Adviser.

Miss C. Vernon, West Indies School of Public Health, Jamaica.

Mr. A. Buajardo of UNICEF.

Dr. D. R. Nicol, PAHO/WHO Consultant in Public Health.

On December 18th, Lady Stow graciously visited the District Hospital, Oistins, to extend Christmas greetings to the patients and staff.

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
OISTIN DISTRICT HOSPITAL - PERIOD JANUARY - DECEMBER, 1962

Month	Total Admissions	Booked	Not Booked	Deliveries	Discharges	POST-NATAL CLINICS		CLINICS REFERRED FROM						Non Clinic patients	Ref'd. by self	TRANSFERS TO			Neo-Natal Deaths	Still-births	Abor-tions
						No. of Clinics	No. of Attendants	Oldsters	Six + Roads	St. George	St. John	Enmore	Maternity Hospital			General Hospital	Infants	Prem. Infants			
January ..	52	49	1	50	49	5	47	26	11	5	-	2	-	8	1	-	2	-	-	-	1
February ..	35	50	-	33	41	4	44	19	9	2	1	-	-	4	-	1	-	-	-	-	-
March ..	40	37	-	37	32	4	35	26	10	1	-	-	-	3	-	-	-	-	-	2	-
April	46	43	-	43	41	4	44	20	19	1	1	-	-	5	-	1	-	-	-	1	-
May ..	47	45	1	46	47	4	39	17	13	1	-	4	-	11	1	-	1	-	-	-	-
June ..	37	31	-	31	41	4	37	22	5	2	1	-	-	5	-	-	-	-	-	-	-
July ..	37	39	-	39	34	5	43	21	8	1	-	1	-	6	-	2	-	-	-	1	-
August ..	32	30	1	31	29	4	33	9	8	1	1	-	-	13	1	-	-	-	-	1	-
September ..	46	40	1	41	49	4	34	19	12	-	1	2	-	8	1	-	-	-	-	-	-
October ..	54	46	1	47	49	5	39	14	17	4	1	1	-	12	-	2	-	-	-	1	-
November ..	32	34	-	34	39	4	33	14	11	1	1	-	-	5	-	-	-	-	-	2	-
December ..	44	37	-	38	35	3	41	21	9	4	-	-	-	10	-	-	-	-	-	-	-
Total ..	502	481	5	470	486	50	469	228	132	23	7	10	1	90	4	6	5	1	-	8	1

CHEST CLINIC, BRIDGETOWN INFIRMARY
Dr. E. Cochrane, Senior Medical Officer of Health

During 1962, admissions totalled as follows:-

Males 8 Females 4 Children 16

Of the eight males, five were re-admissions of whom only one had active disease; the remaining four were re-admitted largely for economic reasons.

There were two deaths, 1 male and 1 female. These were two of the only three cases discharged against advice, over a period of seven years. On re-admission, at their requests, the disease was too advanced to respond to treatment.

Discharges

Males 2 Females 3 Children 23

During 1961 and 1962 the General Hospital was able to accommodate all T.B. cases sent to them with the result that the Chest Clinic had beds to spare.

This was turned to advantage by admitting contact children who showed evidence of heavy primary infection and who were given prophylactic treatment and had the benefit of a good standard of nutrition. All these cases showed marked improvement and have been regularly followed up since discharge.

In 1962, one case of post primary T.B. was detected by the Medical Officer in charge of the Children's ward, Bridgetown Infirmary. She was admitted for treatment as well as six other children from the ward who had a positive reaction to Mantoux testing. All of them did well.

The City of Bridgetown Council decided, since there was sufficient bed accommodation in the T.B. wards of the General Hospital, to close the Chest Clinic at the end of 1962.

As this is the last report, I wish to express thanks to Councillor E. D. Mottley, C.B.E., for his unfailing interest in the welfare of the patients, and for his active support in introducing much needed reforms in the administration of the Chest Clinic.

The success of the Chest Clinic during the period 1956-1962, must be largely ascribed to the devotion to duty, interest in the work, and care for the patients, shown by Miss S. Haynes and her staff.

LOCAL GOVERNMENT INSTITUTIONS

Routine annual inspections were made at each of the Infirmarys.

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 1962.

GENERAL DISEASES

	1961		1962	
	Deaths	% of total Deaths	Deaths	% of total Deaths
Diseases of Circulatory System	539	22.37	530	25.05
Diseases of Nervous System and Sense Organs	358	14.85	341	16.12
Diseases of Early Infancy	264	10.95	225	10.63
Diseases of Respiratory System ..	235	9.75	183	8.65
Senility and Ill-defined conditions ..	166	6.89	120	5.67
Cancer and other Tumours	252	10.46	236	11.15
Diseases of the Digestive System ..	197	8.17	93	4.39
Allergic, Endocrine System, Metabolic and nutritional diseases	107	4.44	102	4.82

COMMUNICABLE DISEASES

Enteric Fever. Six (6) cases were reported as compared with fifteen in 1961. Of these, one died.

Parish	No. of Cases	
	1961	1962
St. Andrew	—	1
Christ Church	—	1
St. George	4	—
St. James	—	1
St. John	1	—
St. Joseph	—	—
St. Lucy	—	—
St. Michael	10	2
St. Peter	—	—
St. Philip	—	1
St. Thomas	—	—
Total	15	6

Tuberculosis

Year	Whole Island		St. Michael		
	Cases Notified	Deaths	Cases Notified	% of Whole	Deaths
1961	47	13	35	74.5	8
1962	74	17	52	70.3	12

Diphtheria

There were six (6) cases and two (2) deaths reported.

Venereal Disease

Deaths from Syphilis now account for only 1.37% of total deaths. There were 29 deaths from Syphilis during the year. Three occurred within the first year of life and none occurred from the first to the fourth year.

Leprosy

There were no cases nor deaths reported.

Tetanus

Twenty deaths were reported, 13 were infants under one year.

Cerebro-Spinal Meningitis

One death was reported.

Poliomyelitis

There were seven cases reported.

Leptospirosis

Nine cases were reported; there were 3 deaths.

Malaria

The colony remained free from Malaria.

Whooping Cough

Two deaths were reported in infants under one year.

Part IX. QUARANTINE

No quarantinable diseases were reported during the year.

The ports were maintained free of *Aedes Aegypti* Mosquitoes throughout the year.

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

Part X. GENERAL SANITATION

The three Local Government Councils through their Public Health Committees have assured 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 Health 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 IX. 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.

A very much more comprehensive Nutritional Programme has now, however, been undertaken. A hot midday meal which offers all the essential factors in a well-balanced

diet has been provided at 3 schools which are being used as the pilot scheme for this programme.

In order that an accurate assessment may be made of the physical benefits of this school feeding programme, the Health Department has taken careful measurements of Heights and Weights of all the children in these three schools together with those of other schools which are Not in the pilot scheme. A regular follow-up of these measurements will be undertaken.

Part XIII. SCHOOL HEALTH SERVICES

10,941 children received dental care, and 891 were treated for visual defects, 828 of whom were provided with spectacles; 73 children had their spectacles repaired.

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 immunisation 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.

Two persons were selected for training at the West Indies School of Public Health in Jamaica; one was a nurse and one was a public health inspector.

Part XV. 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, Miss Norah Cunningham, Mr. James Allen and Mr. Carlton Gilkes, resident in Barbados and also from other members of the organisation who have visited the island during the year.

XVI. FINANCE

The following financial statement of expenditure and revenue is for the year 1962-63:

Director of Medical Services ..	\$ 179,403.00
General Hospital	2,088,977.00
Mental Hospital	585,091.00
Lazaretto	48,044.00
District Hospital Services ..	38,940.00
Health Centres	284,129.00
Maternity Hospital	52,822.00
<i>Grants:</i>	
Barbados Nurses' Association	4,580.00
<i>Revenue:</i>	
Total Medical Departments ..	130,177.00

Part XVII. CONCLUSION

Finally, I would express to all those members of the staff of the Department of Medical Services — a staff which numbers over 900 and includes the highly qualified specialists and the unskilled labourers — who have during the year each in his/her sphere contributed anything to the great task which faces this Department, my sincere thanks and appreciation.

M. A. BYER

Director of Medical Services.

APPENDIX I

PORT HEALTH OFFICER

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

Dr. F. N. Grannum, Health Officer (Port) returned from Overseas Leave and resumed duties from 1st January, 1962.

Dr. J. E. Walcott who had acted Port Health Officer during Dr. Grannum's absence, reverted to his post as Assistant Port Health Officer which had been filled by Mr. W. A. Abrahams, Government Chief Public Health Inspector.

SHIPPING

During the year 1962, 1,705 ships were admitted to the Port of Bridgetown representing a total nett tonnage of 3,374,716 tons.

This tonnage was apportioned as follows:—

Total Merchant Shipping	—	1,617	—	3,363,059 tons
Others	—	85	—	11,657 tons
Total shipping for year	—	1,705	—	3,374,716 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
1962	1,705	3,374,716

APPENDIX I - *Continued*

Return of Shipping for the year 1962

MERCHANT SHIPPING

Class of Vessels	Nationality	Number of Vessels	Net Tonnage
Steam and Motor	British	559	9 13,949
	Dutch	136	366,407
	German	132	258,083
	French	129	501,580
	Norwegian	105	303,709
	Liberian	80	290,097
	American	34	169,453
	Swedish	31	100,956
	Panamanian	25	33,526
	Danish	25	55,642
	Italian	21	106,110
	Venezuelan	9	2,842
	Canadian	7	6,460
	Swiss	6	15,367
	Japanese	6	26,113
	Greek	6	36,275
	Honduran	3	2,368
	Belgian	1	300
	Guatemalan	1	65
	Chinese	1	2,046
	Spanish	1	5,764
	Scandinavian	1	348
	Israeli	1	5,180
		1,320	3,202,640
Tankers	Norwegian	15	35,491
	Panamanian	13	21,975
	Liberian	11	66,391
	British	2	8,636
	Italian	1	1,980
	German	1	7,264
	Dutch	1	7,037
		44	148,774
Sailing Vessels	British	253	11,645
TOTAL MERCHANT SHIPPING		1,617	3,363,059

APPENDIX I - Concluded

Classes of Vessels	Nationality	Number of Vessels	Nett Tonnage
Yachts	British	42	1,956
	American	15	324
	Venezuelan	4	38
	Panamanian	5	355
	Canadian	3	119
	French	3	131
	German	2	35
	Danish	2	8
	Japanese	1	40
	Dutch	1	6
	Swedish	1	29
		79	3,041
Naval Ships	British	4	8,502
Tug	American	1	66
	Brazilian	1	48
		2	114
TOTAL OTHER SHIPPING		85	11,657
TOTAL MERCHANT SHIPPING		1,617	3,363,059
TOTAL OTHER SHIPPING		85	11,657
TOTAL SHIPPING FOR YEAR 1962		1,705	3,374,716

AIRCRAFT 1962

Nationality	Aircraft
British	2,682
American	656
Canadian	229
French	212
Venezuelan	13
Aruban	1
Danish	1
TOTAL:	3,793

APPENDIX III

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1962 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		Total
	M		F		M		F		M		F		M		F		M		F		M		F		
I. Infective and Parasitic Diseases	24	13	7	2	5	3	5	2	5	3	5	-	4	2	1	1	-	-	3	-	2	-	61	26	87
II. Neoplasms	48	68	16	20	6	9	6	8	5	6	6	5	2	3	4	7	-	6	3	3	1	4	97	139	236
III. Allergic, Endocrine System, Metabolic and Nutritional Diseases ..	18	35	3	4	3	1	4	2	1	2	2	6	2	2	1	2	1	3	2	3	3	2	40	62	102
IV. Diseases of Blood and Blood Forming Organs ..	-	2	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1	-	3	4	7
V. Mental, Psychocheroic and Personality Disorders ..	3	2	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	8	
VI. Diseases of Nervous System and Sense Organs ..	52	90	24	37	8	20	10	15	3	9	7	10	4	11	7	5	2	4	8	6	5	4	130	211	341
VII. Diseases of Circulatory System..	100	133	26	38	14	21	12	21	15	12	13	22	10	9	7	15	5	15	12	17	4	9	218	312	530
VIII. Diseases of Respiratory System..	33	44	7	14	8	6	2	5	2	6	4	3	8	3	11	15	1	3	3	1	3	1	82	101	183
IX. Diseases of Digestive System ..	28	15	6	5	5	4	5	4	-	1	5	5	-	1	4	-	2	-	1	-	1	1	57	36	93
X. Diseases of Genito-Urinary System ..	21	11	3	1	1	-	2	-	-	-	2	1	-	-	1	2	1	-	-	1	-	-	31	16	47
XI. Deliveries and complications of Pregnancy, Childbirth and Puerperium	-	6	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	2	-	-	-	16	16
XII. Diseases of Skin and Cellular Tissue ..	3	1	1	4	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	-	1	5	9	14	14
XIII. Diseases of Bones and Organs of Movement ..	-	2	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	5	5
XIV. Congenital Malformations	7	7	2	-	1	1	1	-	1	2	1	-	-	1	-	-	-	-	1	2	-	1	14	14	28
XV. Certain Diseases of early Infancy ..	56	45	6	6	11	11	7	13	6	1	15	2	9	4	5	6	4	3	4	2	6	3	129	96	225
XVI. Symptoms, Senility and Ill-defined Conditions ..	22	54	7	9	1	-	3	-	2	-	3	2	1	1	2	5	-	-	1	5	2	-	44	76	120
XVII. Accidents, Poisonings and Violence (External Cause) ..	19	13	1	5	3	1	2	-	5	1	8	3	2	2	2	1	2	2	1	-	1	-	46	28	74
XVIII. Accidents, Poisonings and Violence (Nature of Injury) ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL ALL GROUPS	434	541	112	147	66	79	61	74	45	47	71	60	42	40	45	60	18	37	39	43	29	26	962	1,154	2,116

APPENDIX IV

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1962 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	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 1	Tuberculosis of respiratory system ..	001-008	9	3	..	..	3	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	14	3	17		
A 6	Congenital Syphilis ..	020	1	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	4			
A 9	General paralysis of insane ..	025	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	3	-	3			
A 10	All other syphilis ..	{022, 023 026-029}	5	5	2	1	1	..	2	1	3	1	1	..	..	..	..	..	..	..	..	..	..	14	8	22			
A 12	Typhoid fever ..	040	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	-	1	1			
A 16(c)	Other unspecified forms of dysentery ..	047, 048	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	-	1	1			
A 20	Septicaemia and pyaemia ..	053	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	-	1			
A 21	Diphtheria ..	055	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	-	2			
A 22	Whooping cough ..	056	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	2	-	2			
A 23	Meningococcal infections ..	057	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	-	1	1			
A 26	Tetanus ..	061	2	1	2	..	..	2	3	..	1	2	2	..	1	1	1	..	..	..	..	..	..	13	7	20			
A 28	Polio-myelitis ..	080	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	-	1			
A 34	Infectious Hepatitis ..	092	2	..	1	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	4	1	5			
A 43(f)	Leptospirosis icterohae morrhagica (Weil's disease) ..	072	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3			
(h) Chicken pox ..	087	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	-	1	1			
(l) All other diseases classified as infective and parasitic ..	110-138	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	3	-	3			
A 44	Malignant neoplasm of buccal cavity and pharynx ..	140-148	1	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	4	5			
A 45	Malignant neoplasm of oesophagus ..	150	6	1	2	..	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	10	3	13			
A 46	Malignant neoplasm of stomach ..	151	12	11	3	2	2	2	1	..	2	1	..	1	..	1	1	..	..	1	..	..	1	24	19	43			
A 47	Malignant neoplasm of intestine, except rectum ..	152, 153	2	1	1	1	..	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	5	4	9			
A 48	Malignant neoplasm of rectum ..	154	..	..	2	3	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	3	4	7			
A 49	Malignant neoplasm of larynx ..	161	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	2			

APPENDIX IV - Continued

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1962 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION
SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES

Intermediate List Number	CAUSE GROUPS	Detailed List Numbers	St. Michael		Christ Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		All parishes	
			M		F		M		F		M		F		M		F		M		F		M		F	
			Total		Total		Total		Total		Total		Total		Total		Total		Total		Total		Total		Total	
A 66(b)	All other allergic disorders, endocrine, metabolic and blood diseases.	240, 242-245 253-254 270-277, 287-289, 294-299	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	2
A 67	Psychoses	300-309	2	2	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	4	6
A 68	Psychoneuroses and disorders of personality	310-324	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2
A 70	Vascular lesions affecting central nervous system	330-334	47	74	20	35	8	19	9	12	3	9	7	10	3	9	6	5	2	4	5	5	3	115	185	300
A 71	Nonmeningococcal meningitis	340	1	2	1	1	..	1	..	2	..	..	..	..	1	..	1	..	..	..	..	..	..	4	6	10
A 72	Multiple sclerosis	345	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1
A 73	Epilepsy	353	2	6	1	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	1	..	..	4	8	12
A 78(a)	All other diseases and conditions of eye	380-384, 386 388, 389	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A 79	Rheumatic fever	400-402	1	4	..	..	..	..	..	2	..	..	1	..	1	..	..	..	..	..	1	1	..	4	8	12
A 80	Chronic rheumatic heart disease	410-416	1	2	..	..	..	..	..	1	..	..	..	..	..	2	..	..	..	..	..	..	..	1	6	7
A 81	Arteriosclerotic and degenerative heart disease	420-422	27	30	12	16	10	17	8	12	9	8	5	15	7	5	2	4	2	6	7	10	2	91	126	217
A 82	Other diseases of heart	430-434	29	24	8	7	3	1	1	3	..	2	4	2	1	..	2	1	1	1	3	..	..	52	41	93
A 83	Hypertension with heart disease	440-443	13	19	2	11	1	2	1	..	2	2	2	2	..	1	2	6	2	7	1	5	..	26	55	81
A 84	Hypertension without mention of heart	444-447	6	12	1	2	..	..	1	1	..	..	1	1	..	1	..	2	..	..	..	..	1	10	19	29
A 85	Diseases of arteries	450-456	23	41	2	2	..	1	..	2	4	..	..	2	1	..	1	1	..	..	..	..	1	32	54	86
A 86	Other diseases of circulatory system	460-468	..	1	1	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	..	..	2	3	5

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1962 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION
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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		
			Numbers																								
			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 87	Acute upper respiratory infections ..	470-475	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
A 88	Influenza ..	480-483	..	1	..	4	..	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	1	..	2	7	9
A 89	Lobar pneumonia ..	490	4	10	1	1	2	..	1	2	1	1	..	1	..	1	2	..	..	..	1	..	1	..	12	16	28
A 90	Breath pneumonia ..	491	13	17	3	5	4	2	1	2	..	1	1	1	..	3	4	..	..	..	..	..	1	..	26	33	59
A 91	Primary atypical, other and unspecified pneumonias ..	492, 493	5	2	1	..	1	1	..	..	..	2	..	..	3	1	3	3	1	3	1	..	1	..	16	12	28
A 92	Acute bronchitis ..	500	..	2	..	..	1	..	..	..	..	..	1	2	1	..	3	3	..	..	..	..	..	..	6	7	13
A 93	Bronchitis, chronic and unqualified ..	501, 502	5	3	1	2	..	..	..	..	2	..	..	..	3	..	1	..	..	..	1	1	..	..	11	8	19
A 97 (b)	All other respiratory diseases ..	511-517	5	9	1	2	..	2	1	1	..	..	1	..	..	..	3	..	..	..	..	..	..	..	8	17	25
		520-522																									
		524-527																									
A 98 (b)	All other diseases of teeth and supporting structure ..	531-535	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
A 99	Ulcer of stomach ..	540	3	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	5	..	5
A 102	Appendicitis ..	550-553	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
A 103	Intestinal obstruction and hernia ..	560, 561, 570	3	2	..	3	1	..	..	..	..	1	1	..	..	..	..	..	2	..	..	..	..	..	7	6	13
A 104 (a)	Gastro-enteritis and colitis between 4 weeks and 2 years ..	571.0	9	2	1	..	2	1	2	..	..	1	1	4	..	1	3	..	..	..	..	..	1	..	19	9	28
(b)	Gastro-enteritis and colitis, ages 2 years and over ..	571.1	1	3	..	1	1	3	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	4	8	12
(c)	Chronic enteritis and ulcerative colitis ..	572	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
A 105	Cirrhosis of liver ..	581	6	5	3	..	1	..	1	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	13	6	19
A 106	Cholithiasis and Cholecystitis ..	584, 585	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1962 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	
			Church		Church		Philip		John		James		Thomas		Peter		Lucy		Joseph		Andrew		M	F	Total	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F				M
A 126 (a)	Chronic ulcer of skin (including tropical ulcer)	715	1	1	..	3	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	6	8
(b)	All other skin diseases	700-714, 716	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	3
(c)	All other diseases of musculo-skeletal system	731-736	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	-	2	2
		738-744	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
A 127	Spina bifida and meningocele	751	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	-	2	2
A 128	Congenital malformation of circulatory system ..	754	3	3	..	..	1	1	1	..	1	1	..	..	..	..	..	..	..	..	1	2	..	7	7	14
A 129	All other congenital malformations	750, 752, 753	4	3	2	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	7	5	12
		755-759	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 130	Birth injuries	760, 761	2	1	1	..	1	1	1	..	..	..	..	..	2	..	..	..	..	..	..	..	..	7	2	9
A 131	Postnatal asphyxia and anteclastasis	762	7	2	1	1	2	..	1	..	2	..	..	..	..	..	1	..	1	..	2	..	..	17	3	20
A 132 (a)	Diarrhoea of newborn (under 4 weeks)	764	2	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	3	1	4
(c)	Other infections of newborn	763, 766-768	1	6	..	..	1	1	..	..	..	..	3	..	..	..	2	1	2	..	..	..	2	11	8	19
A 133	Haemolytic disease of newborn	770	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	-	1	1
A 134	All other defined diseases of early infancy ..	769, 771, 772	11	11	1	..	5	..	2	6	..	1	1	..	3	1	1	..	2	1	1	1	1	25	24	49
A 135	Ill-defined diseases peculiar to early infancy, and immaturity unqualified	773, 776	33	24	3	4	2	9	3	7	3	..	11	2	4	3	2	4	1	1	1	1	3	66	57	123
A 136	Senility without mention of psychosis	794	15	45	1	9	..	..	..	..	..	..	..	1	..	..	2	5	..	..	5	..	..	18	65	83
		780-787	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A 137 (c)	All other ill-defined causes of morbidity ..	788, 1-788, 7	7	9	6	..	1	..	3	..	2	..	3	1	1	1	..	..	..	..	1	..	2	26	11	37
		788, 9, 789-792	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		795	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
AE 138	Motor Vehicle accidents	E810-835	6	2	..	..	1	..	..	..	2	..	2	1	..	..	1	..	..	..	..	..	..	12	3	15

"E" CODE. ALTERNATIVE CLASSIFICATION OF ACCIDENTS, POISONINGS, AND VIOLENCE (EXTERNAL CAUSE)

APPENDIX IV - Concluded

CAUSES OF DEATHS ARRANGED IN PARISHES FOR THE YEAR 1962 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	Total
AE 139	Other transport accidents ..	{E800-802 E840-866	5	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	6	1	7		
AE 140	Accidental poisoning ..	E870-895	2	1	..	2	..	..	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	5	3	8			
AE 141	Accidental falls ..	E900-904	1	1	..	1	1	..	..	..	1	..	1	1	..	1	1	1	..	1	..	..	..	5	6	11			
AE 143	Accidents caused by fire and explosion of combustible material ..	E916	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2			
AE 144	Accident caused by hot substance, corrosive liquid, steam and radiation ..	E917, 918	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2			
AE 146	Accidental drowning and submersion ..	E929	..	..	..	..	..	..	..	..	1	..	3	..	1	..	..	..	1	1	..	..	1	7	1	8			
AE 147	All other accidental causes ..	{E910, 911 E913-915, 921 E922, 924-926 E930-962	3	5	1	2	..	1	..	..	..	..	..	1	1	1	..	..	..	..	1	..	..	6	10	16			
AE 148	Suicide and self-inflicted injury ..	E963, 970-979	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	3	-	3			
AE 149	Homicide and injury purposely inflicted by other person (not in war) ..	E964, 980-985	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2			
	TOTAL NUMBER OF DEATHS ..		434	541	112	147	66	79	61	74	45	47	71	60	42	40	45	60	18	37	39	43	29	26	962	1,154	2,116		

APPENDIX VI

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

1962

Estimated Population: Urban - (Bridgetown,
St. Michael) .. 94,657

Rural - 140,475

CLASSIFICATION	Total No. of Deaths	Urban Deaths	Per 100,000	
			Urban Rate	Rural Rate
VII Circulatory System ..	530	233	246	211
VI Nervous System and Sense Organs	341	142	150	142
II Neoplasms	236	116	123	85
XV Early Infancy	225	101	107	88
VIII Respiratory System ..	183	77	81	76
XVI Senility and Ill-defined Con- ditions	120	76	80	31
III Allergic, Endocrine System, Metabolic and Nutrition- al Diseases	102	53	56	35
IX Digestive System	93	43	45	36

APPENDIX VII

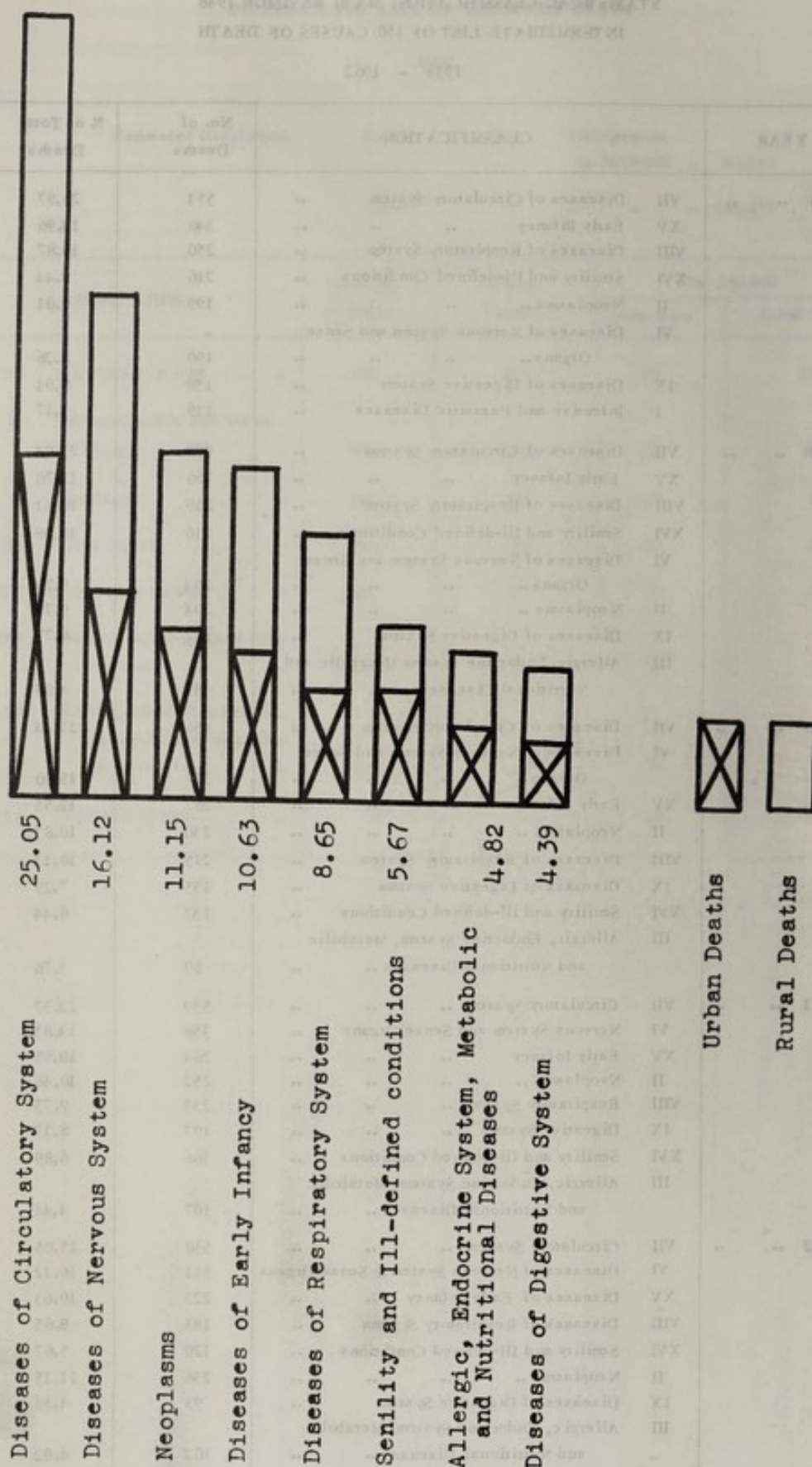
MAJOR CAUSES OF DEATH IN ACCORDANCE WITH THE INTERNATIONAL
STATISTICAL CLASSIFICATION, SIXTH REVISION 1948
INTERMEDIATE LIST OF 150 CAUSES OF DEATH

1958 - 1962

YEAR	CLASSIFICATION	No. of Deaths	% of Total Deaths
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
	III Allergic, Endocrine System Metabolic and Nutritional Diseases	85	4.08
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
	IV Diseases of Urinary System ..	79	3.82
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
	IV Diseases of Urinary System ..	79	3.82
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
	IV Diseases of Urinary System ..	79	3.26
1962	VII Circulatory System	530	25.05
	VI Diseases of Nervous System & Sense Organs ..	341	16.12
	XV Diseases of Early Infancy	225	10.63
	VIII Diseases of Respiratory System ..	183	8.65
	XVI Senility and Ill-defined Conditions ..	120	5.67
	II Neoplasms	236	11.15
	IX Diseases of Digestive System ..	93	4.39
	III Allergic, Endocrine System, Metabolic and Nutritional Diseases	102	4.82

APPENDIX VIII

PRINCIPAL CAUSES OF DEATHS AS A PERCENTAGE OF TOTAL DEATHS 1962



CAUSES OF DEATHS OF INFANTS UNDER 1 YEAR ARRANGED IN AGE GROUPS FOR THE YEAR 1962 ACCORDING TO THE INTERNATIONAL STATISTICAL CLASSIFICATION, SIXTH REVISION, 1948, INTERMEDIATE LIST OF 150 CAUSES.

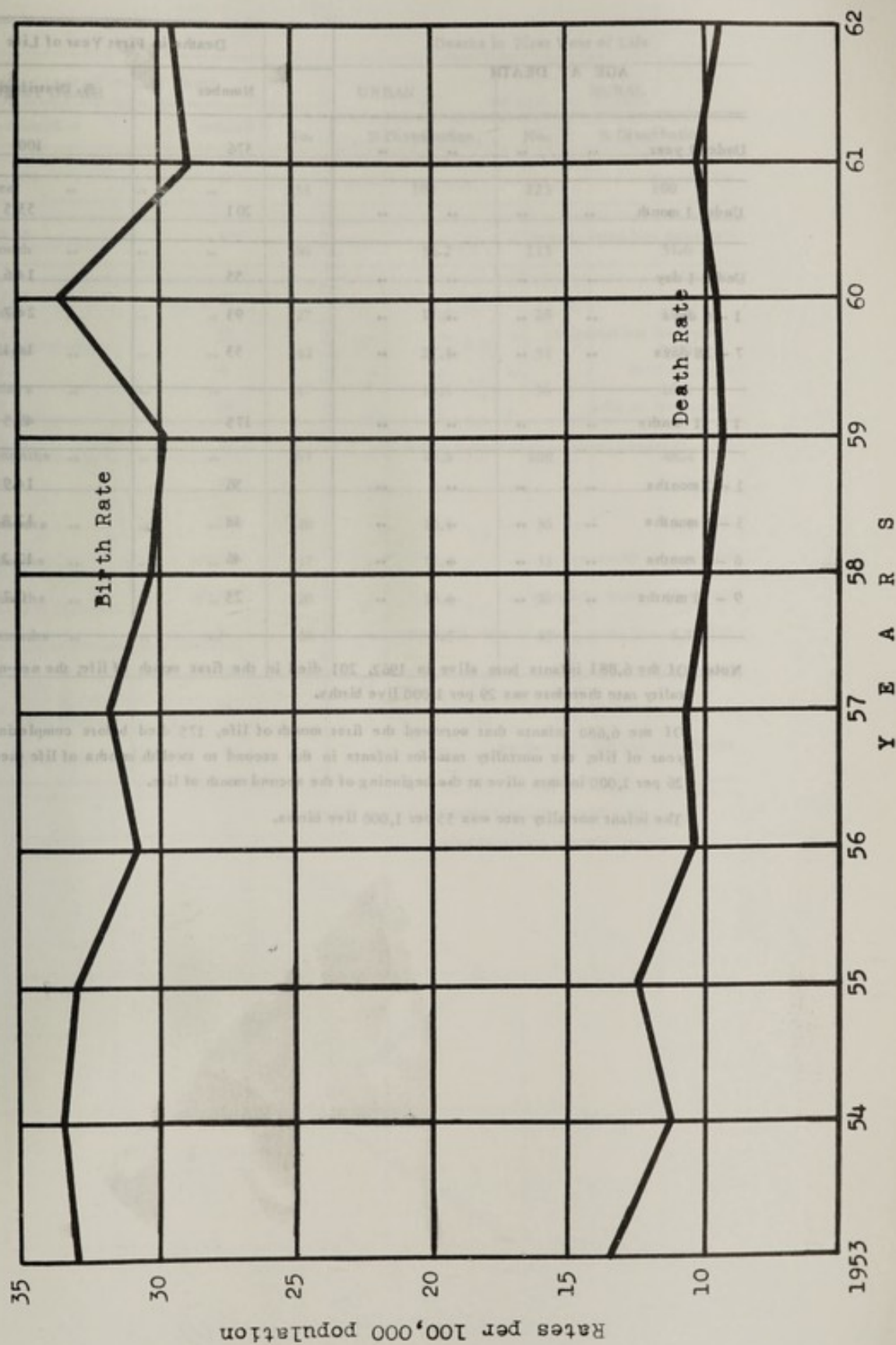
Intermediate List Number	CAUSE GROUPS	Detailed List Number	Under 1 Year												Total Under 1 Year	
			Under 1 Day	1 Day	2 Days	3 Days	4 Days	5 Days	6 Days	7-13 Days	14-20 Days	21-27 Days	Total Under 28 Days	28 Days to 11 Months	11 Months	Total
A 98 (b)	All other diseases of teeth and supporting structures	531-535	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A 103	Intestinal obstruction and hernia	560, 561, 570	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A 104 (a)	Gastro-enteritis and colitis between 4 weeks and 2 years	571, 0	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A 105	Cirrhosis of liver	581	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A 107	Other diseases of digestive system	536-539, 542, 544, 545, 573, 580, 582, 583, 586, 587	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A 127	Spina bifida and meningocele	751	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A 128	Congenital malformations of circulatory system	754	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A 129	All other congenital malformations	750, 752, 753, 755-759	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A 130	Birth injuries	760, 761	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A 131	Postnatal asphyxia and atelectasis	762	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A 132 (a)	Diarrhoea of newborn (under 4 weeks)	764	M	F	M	F	M	F	M	F	M	F	M	F	M	F
(c)	Other infections of newborn	763, 766-768	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A 133	Haemolytic disease of newborn	770	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A 134	All other defined diseases of early infancy	769, 771, 772	M	F	M	F	M	F	M	F	M	F	M	F	M	F
A 135	Ill-defined diseases peculiar to early infancy, and immaturity unqualified	773, 776	M	F	M	F	M	F	M	F	M	F	M	F	M	F

APPENDIX X

INFANT DEATHS ARRANGED IN PARISHES FOR THE YEAR 1962

AGE 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		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	
Under 1 day ..	15	12	-	2	2	2	1	-	3	-	4	1	2	1	1	2	2	1	1	-	2	1	33	22	55
1 day - 6 days ..	27	15	5	1	3	7	3	5	1	1	6	1	3	2	2	2	1	-	3	2	2	1	56	37	93
7 days - 1 month ..	6	11	1	3	2	4	4	2	2	2	1	-	3	2	1	2	1	-	2	2	1	1	24	29	53
Total under 1 month ..	48	38	6	6	7	13	8	7	6	3	11	2	8	5	4	6	4	1	6	4	5	3	113	88	201
1 month - 2 months ..	10	10	3	1	3	-	3	1	1	2	5	1	2	1	3	1	-	3	1	1	2	2	33	23	56
3 months - 5 months ..	11	6	1	1	5	2	1	3	-	-	2	3	2	3	1	4	-	-	1	1	1	-	25	23	48
6 months - 8 months ..	12	8	2	-	2	1	-	4	2	2	2	1	1	2	2	3	-	-	-	-	1	1	24	22	46
9 months - 11 months ..	3	7	2	2	-	1	1	2	-	2	-	-	2	-	1	1	-	1	-	-	-	-	9	16	25
Total under 1 year ..	84	69	14	10	17	17	13	17	9	9	20	7	15	11	11	15	4	5	8	6	9	6	204	172	376

BIRTH AND DEATH RATES PER 1,000 OF THE POPULATION FOR PERIOD 1953-62



APPENDIX XII

INFANT DEATHS BY AGE IN MONTHS - % DISTRIBUTION

1962

AGE AT DEATH	Deaths in First Year of Life	
	Number	% Distribution
Under 1 year	376	100
Under 1 month	201	53.5
Under 1 day	55	14.6
1 - 6 days	93	24.7
7 - 28 days	53	14.1
1 - 11 months	175	46.5
1 - 2 months	56	14.9
3 - 5 months	48	12.8
6 - 8 months	46	12.2
9 - 11 months	25	6.7

Note: Of the 6,881 infants born alive in 1962, 201 died in the first month of life; the neo-natal mortality rate therefore was 29 per 1,000 live births.

Of the 6,680 infants that survived the first month of life, 175 died before completing the first year of life; the mortality rate for infants in the second to twelfth months of life therefore was 26 per 1,000 infants alive at the beginning of the second month of life.

The infant mortality rate was 55 per 1,000 live births.

1962

APPENDIX XIV

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

1962

CAUSE OF DEATH				Death in First Year of Life	
				Number	% Distribution
All Causes	..	..	..	376	100
Pre-natal and natal causes	..	..	..	221	58.8
Premature Birth	..	..	..	98	26.1
Congenital Malformations	..	..	..	22	5.9
Injury at Birth	..	..	..	9	2.4
Congenital Debility	..	..	..	25	6.7
Other Diseases peculiar to first year of life	..	..	..	51	13.6
Syphilis	..	..	..	3	.8
Tetanus	..	..	..	13	3.5
Respiratory Diseases	..	..	..	62 (a)	16.5
Gastro-intestinal Diseases	..	..	..	27 (b)	7.2
Epidemic and other communicable Diseases	..	..	..	5	1.3
Malnutrition	..	..	..	42	11.1
All other specified causes	..	..	..	19	5.1
Ill-defined and unknown causes	..	..	..	—	—

(a) Pneumonia and other respiratory Diseases.

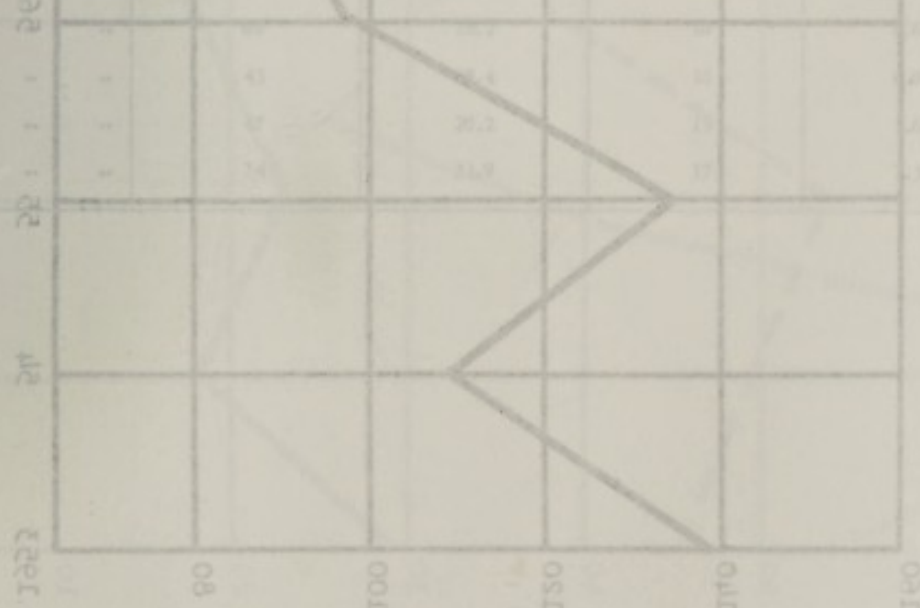
(b) Chiefly Gastro-enteritis.

APPENDIX XV

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

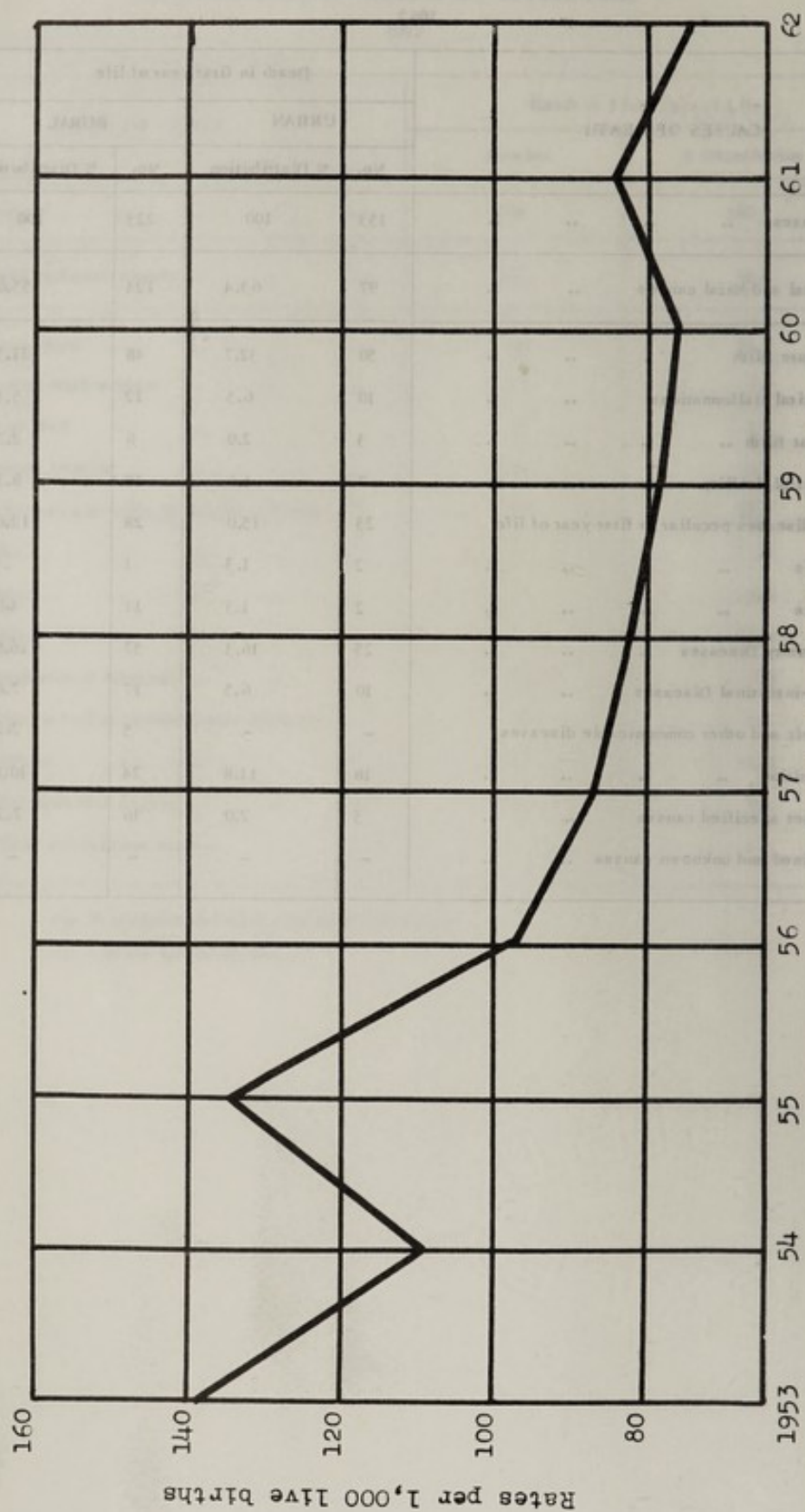
1962

CAUSES OF DEATH	Death in first year of life			
	URBAN		RURAL	
	No.	% Distribution	No.	% Distribution
All Causes	153	100	223	100
Pre-natal and Natal causes	97	63.4	124	55.6
Premature Birth	50	32.7	48	21.5
Congenital Malformations	10	6.5	12	5.4
Injury at Birth	3	2.0	6	2.7
Congenital debility	7	4.6	18	8.1
Other diseases peculiar to first year of life	23	15.0	28	12.6
Syphilis	2	1.3	1	.4
Tetanus	2	1.3	11	4.9
Respiratory Diseases	25	16.3	37	16.6
Gastro-intestinal Diseases	10	6.5	17	7.6
Epidemic and other communicable diseases	—	—	5	2.2
Malnutrition	18	11.8	24	10.8
All other specified causes	3	2.0	16	7.2
Ill-defined and unknown causes	—	—	—	—



APPENDIX XVI

INFANT MORTALITY RATES PER 1,000 LIVE BIRTHS 1953-62



APPENDIX XVII

BARBADOS.

Tuberculosis:

Deaths and Death Rate per 100,000 Population

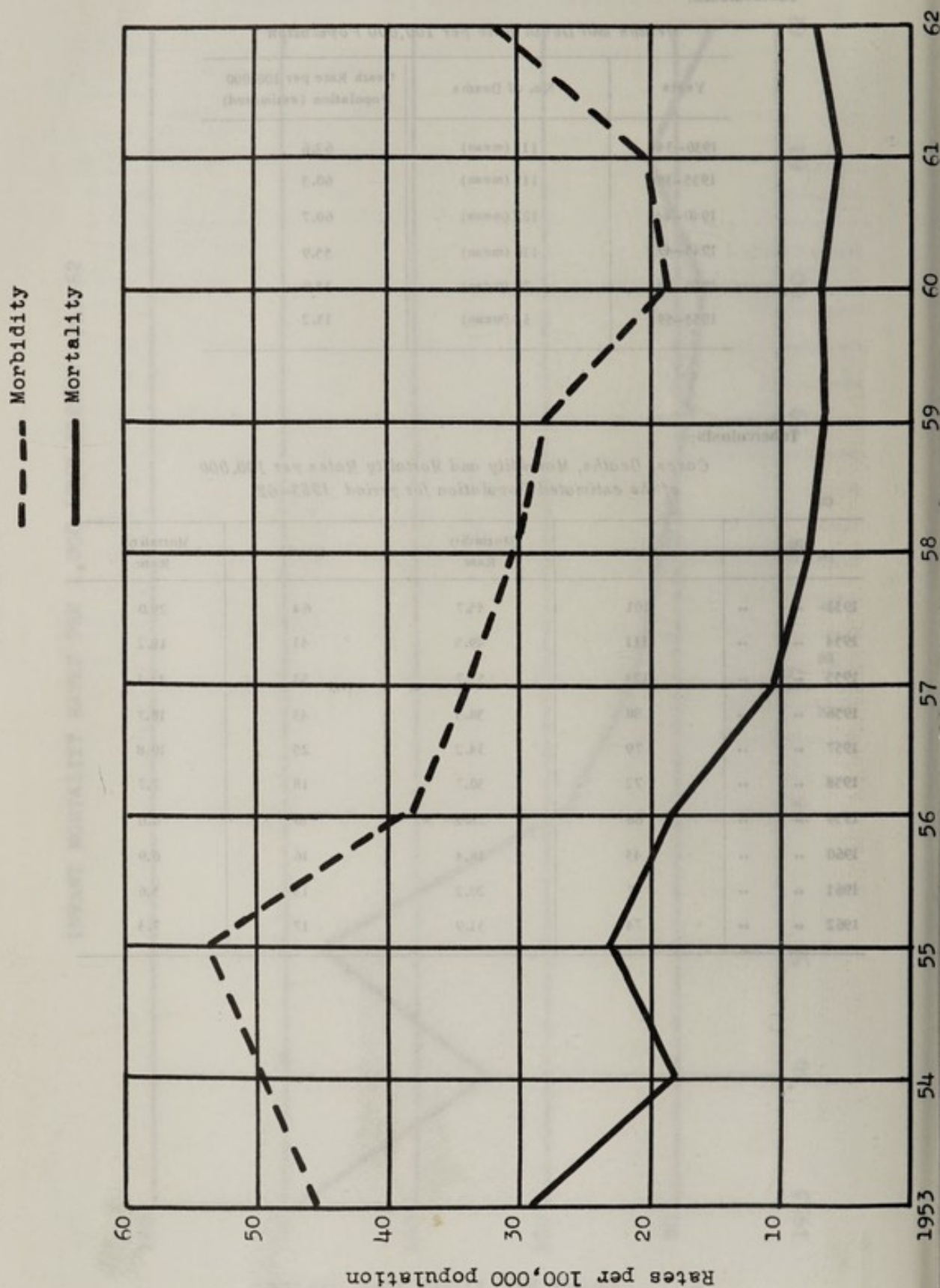
Years	No. of Deaths	Death Rate per 100,000 Population (estimated)
1930-34	111 (mean)	62.6
1935-39	115 (mean)	60.3
1940-44	122 (mean)	60.7
1945-49	116 (mean)	55.9
1950-54	76 (mean)	35.9
1955-59	31 (mean)	13.2

Tuberculosis:

*Cases, Deaths, Morbidity and Mortality Rates per 100,000
of the estimated Population for period 1953-62.*

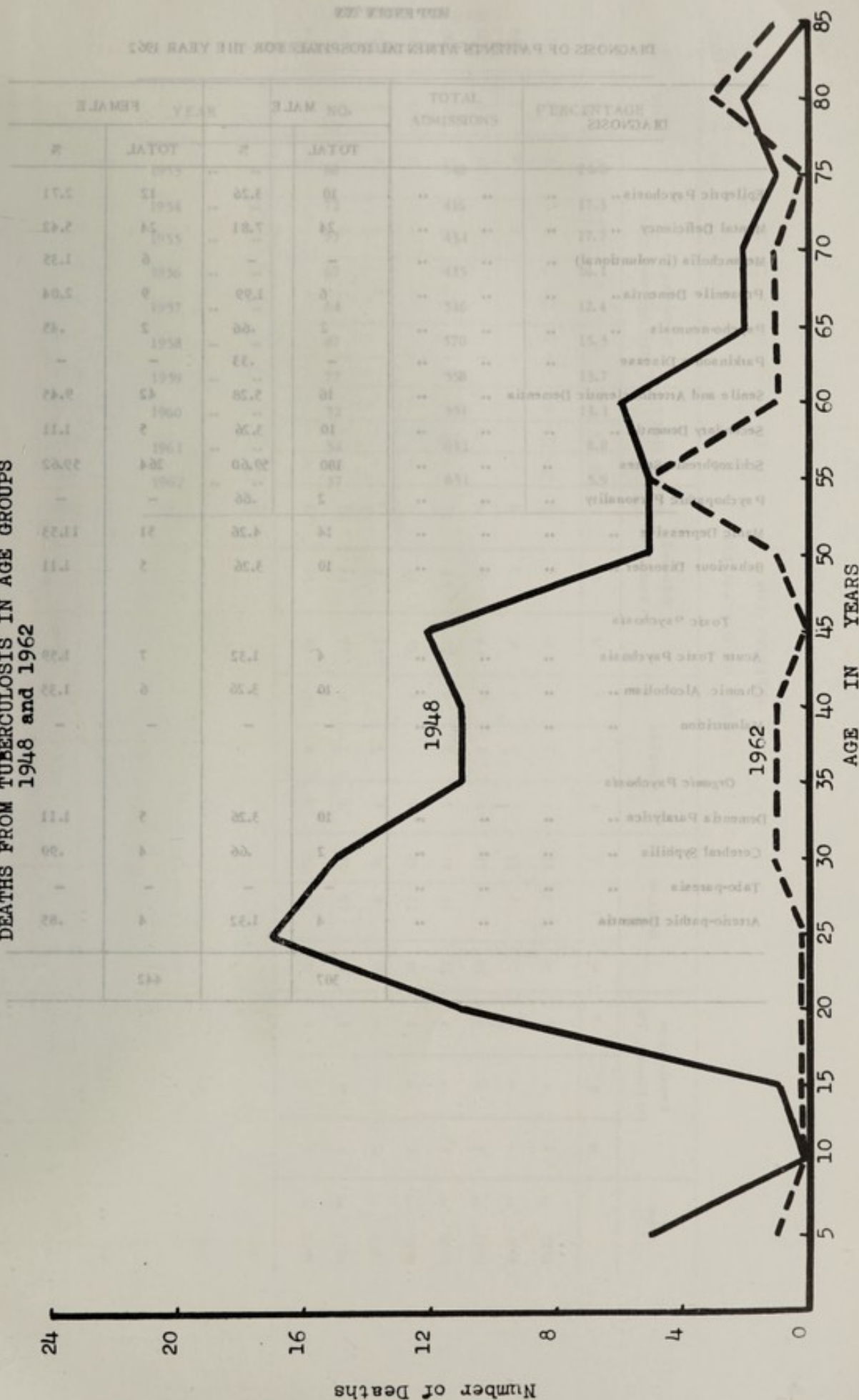
Year	Cases	Morbidity Rate	Deaths	Mortality Rate
1953	101	45.7	64	29.0
1954	111	49.5	41	18.2
1955	123	53.7	53	23.1
1956	88	38.3	43	18.7
1957	79	34.2	25	10.8
1958	72	30.7	18	7.7
1959	68	28.2	16	6.6
1960	43	18.4	16	6.9
1961	47	20.2	13	5.6
1962	74	31.9	17	7.3

TUBERCULOSIS MORBIDITY AND MORTALITY RATES PER 100,000 ESTIMATED POPULATION FOR PERIOD 1953-62



APPENDIX XIX

DEATHS FROM TUBERCULOSIS IN AGE GROUPS 1948 and 1962



APPENDIX XX

DIAGNOSIS OF PATIENTS AT MENTAL HOSPITAL FOR THE YEAR 1962

DIAGNOSIS	MALE		FEMALE	
	TOTAL	%	TOTAL	%
Epileptic Psychosis.. ..	10	3.26	12	2.71
Mental Deficiency	24	7.81	24	5.42
Melancholia (involuntional)	-	-	6	1.35
Presenile Dementia.. ..	6	1.99	9	2.04
Psycho-neurosis	2	.66	2	.45
Parkinson's Disease	-	.33	-	-
Senile and Arteriosclerotic Dementia	16	5.28	42	9.45
Secondary Dementia	10	3.26	5	1.11
Schizophrenic States	180	59.60	264	59.62
Psychopathic Personality	2	.66	-	-
Manic Depressive	14	4.26	51	11.53
Behaviour Disorder	10	3.26	5	1.11
<i>Toxic Psychosis</i>				
Acute Toxic Psychosis	4	1.32	7	1.59
Chronic Alcoholism	10	3.26	6	1.35
Malnutrition	-	-	-	-
<i>Organic Psychosis</i>				
Dementia Paralytica	10	3.26	5	1.11
Cerebral Syphilis	2	.66	4	.90
Tubo-paresis	-	-	-	-
Arterio-pathic Dementia	4	1.32	4	.85
	307		442	

APPENDIX XXI
ADMISSIONS UNDER CERTIFICATION

YEAR	NO.	TOTAL ADMISSIONS	PERCENTAGE
1953	86	348	24.8
1954	72	416	17.3
1955	77	434	17.7
1956	67	415	16.1
1957	64	516	12.4
1958	87	570	15.3
1959	77	558	13.7
1960	72	551	13.1
1961	54	611	8.8
1962	37	631	5.9

A. cont.	Tos. 3 months' 1902 In accordance with											Vaporization		Curing seq.			Percentage of Residue
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
1002	..	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
1003	..	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
1004	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
1005	..	1	..	1	1	1	1	1	1	1	1	1	1	1	1		
1006	..	2	..	2	2	2	2	2	2	2	2	2	2	2	2		
1007	..	1	..	1	1	1	1	1	1	1	1	1	1	1	1		
1008	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
1009	..	1	..	1	1	1	1	1	1	1	1	1	1	1	1		
1010	..	2	..	2	2	2	2	2	2	2	2	2	2	2	2		
1011	..	1	..	1	1	1	1	1	1	1	1	1	1	1	1		
1012	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
1013	..	1	..	1	1	1	1	1	1	1	1	1	1	1	1		
1014	..	2	..	2	2	2	2	2	2	2	2	2	2	2	2		
1015	..	1	..	1	1	1	1	1	1	1	1	1	1	1	1		
1016	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
1017	..	1	..	1	1	1	1	1	1	1	1	1	1	1	1		
1018	..	2	..	2	2	2	2	2	2	2	2	2	2	2	2		
1019	..	1	..	1	1	1	1	1	1	1	1	1	1	1	1		
1020	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
1021	..	1	..	1	1	1	1	1	1	1	1	1	1	1	1		
1022	..	2	..	2	2	2	2	2	2	2	2	2	2	2	2		

TABLE OF ORIGIN

TABLE 2.2B

APPENDIX XVII
PATIENTS ON OBSERVATION

Year	Remaining on 1st January, 1962			Admitted			Certified			Released Uncertified			Died			Remaining on 31st December, 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
1962 ..	2	2	4	38	22	60	2	8	10	39	14	53	-	-	-	1	-	1	42	22	64

APPENDIX XXIII

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

Year	Average Population	Total Admissions	Population at end of year	No. of Discharges	No. of Deaths	Average Percentage	Percentage
1953 ..	704	348	709	282	58	8.24	8.18
1954 ..	709	416	719	371	35	5.00	4.87
1955 ..	717	434	720	389	44	6.22	6.11
1956 ..	716	415	715	368	52	7.26	7.27
1957 ..	723	516	725	455	49	6.77	6.76
1958 ..	734	570	740	502	53	7.22	7.16
1959 ..	737	558	760	492	46	6.22	6.05
1960 ..	759	551	762	496	53	6.98	6.96
1961 ..	761	611	770	547	56	7.53	7.51
1962 ..	758	631	749	612	47	6.20	6.40

APPENDIX XXIV
STATEMENT OF POPULATION

Year	ADMISSIONS												DEATHS												DISCHARGES												Total Population at end of Year			Difference																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Population at beginning of year						Temporary						Voluntary						Certified						On Remand						Total										On Trial at end of Year						Recovered						Much Improved						Improved						Not Improved						Returned from Trial						From Observation						Total																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		M		F		T		



