

## **Report of the Chief Medical Officer / Barbados.**

### **Contributors**

Barbados. Department of Medical Services.

### **Publication/Creation**

Barbados : Government Printers, [1948]

### **Persistent URL**

<https://wellcomecollection.org/works/cb7dx3gq>

### **License and attribution**

You have permission to make copies of this work under a Creative Commons, Attribution license.

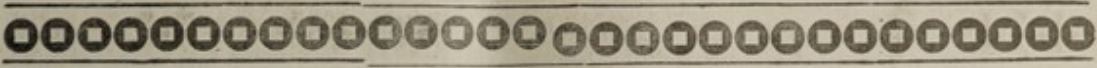
This licence permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. See the Legal Code for further information.

Image source should be attributed as specified in the full catalogue record. If no source is given the image should be attributed to Wellcome Collection.



Wellcome Collection  
183 Euston Road  
London NW1 2BE UK  
T +44 (0)20 7611 8722  
E [library@wellcomecollection.org](mailto:library@wellcomecollection.org)  
<https://wellcomecollection.org>

10020



# ANNUAL REPORT

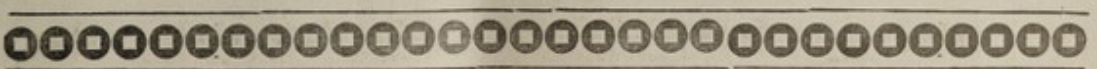
OF THE



## Chief Medical Officer

FOR THE YEAR

### 1947-48



Advocate Co., Ltd.—Printers to the Government of Barbados

RBB/46(A)



22501298823

No. 4542.A.4057/48.

Chief Medical Officer's Office,  
Government Building,  
The Wharf, Bridgetown, 1.  
8th November, 1948.

Sir,

I have the honour to submit for the information of His Excellency the Governor and the Legislature the Medical Report on the Health and Sanitary conditions of Barbados for the year 1947—48, with the appendices attached thereto.

I have the honour to be,  
Sir,  
Your obedient servant,

F. N. GRANNUM,  
Acting Chief Medical Officer.

The Honourable,  
The Colonial Secretary,  
Barbados.



No. 2512 A 405-48

Chief Medical Officer's Office,  
Government Building,  
The West, Bridgetown,  
Bib. November 1948

I have the honour to thank you for the information of the knowledge of the  
Government and the Legislature the Medical Officer on the health and gene-  
ral conditions of Barbados for the year 1947 with the appendices  
attached thereto.

I have the honour to be,  
Sir,

Your obedient servant,

Chief Medical Officer,  
Government Building,  
The West, Bridgetown,  
Bib. November 1948

The Honorable  
The Colonial Secretary,  
Bridgetown

WELLCOME INSTITUTE LIBRARY	
Coll.	wellMOMec
Call	+
No.	Ann Rep
	WA28
	.GB34
	622

1948

## CONTENTS

---

PART I.	General Remarks ....	5
PART II.	General and Communicable Diseases ....	6
PART III.	Vital Statistics ....	8
PART IV.	Institutions:—	
	The Barbados General Hospital ....	9
	The Mental Hospital ....	9
	The Leper Hospital ....	10
	The Maternity Training Hospital ....	10
	The Prison Hospital ....	11
	The Government Industrial Schools ....	11
	The Parochial Almshouses ....	11
	Maternal and Child Welfare Clinics, Creches and Homes ....	11
	The Nightengale Memorial Home for Chil- dren ....	11
	Nursing Services ....	12
PART V.	Hygiene and Sanitation:—	
	(a) General Remarks ....	12
	(b) Elementary Schools ....	13
	(c) Health Education ....	13
	(d) Housing ....	13
	(e) Food in relation to Health ....	13
PART VI.	Training of Health Personnel ....	14

## APPENDICES

1.	Parochial Expenditure on Sanitation ....	15
2.	Cost of Parochial Poor Law Administration ....	16
3.	Port Health Officer's Report ....	17
4.	Summary of work done by Inspecting Field Force ....	20
5.	Causes of Death in each Parish ....	21
6.	Causes of Death in each Age-group ....	22
7.	Summary of main causes of Morbidity treated at the Barbados General Hospital ....	27

CONTENTS

6	.....	PART I. General Remarks
6	.....	PART II. General and Communicable Diseases
6	.....	PART III. Viral Diseases
6	.....	PART IV. Bacteriology
9	.....	The Venereal General Hospital
9	.....	The Mental Hospital
10	.....	The Leprosy Hospital
10	.....	The Tubercular General Hospital
11	.....	The Prison Hospital
11	.....	The Government Industrial Schools
11	.....	The Venereal Asylums
11	.....	Historical and Child Welfare Clinics, Orphan and Homes
11	.....	The Philippine Medical Home for Children
12	.....	Sanitation
12	.....	Sanitary Services
12	.....	PART V. Hygiene and Sanitation
12	.....	(a) General Remarks
12	.....	(b) Elementary Schools
12	.....	(c) Public Places
12	.....	(d) Housing
12	.....	(e) Food in relation to health
12	.....	PART VI. Principles of Health Inspection
12	.....	APPENDIX
12	.....	1. Patriotic Disposition of Sanitation
12	.....	2. Cost of Sanitation from Tax Administration
12	.....	3. For Health Officer's Report
12	.....	4. Summary of work done by Sanitation Field Force
12	.....	5. Causes of death in each district
12	.....	6. Causes of death in each province
12	.....	7. Summary of cases of morbidity treated at the Bacteriological General Hospital



# ANNUAL REPORT

OF THE

## Chief Medical Officer

FOR THE YEAR 1947—48

---

### PART I. STAFF AND GENERAL REMARKS.

The following medical officers were employed by the Government :—

Whole-time :— The Chief Medical Officer  
The Sanitation Officer  
The Bacteriologist & Pathologist  
The Medical Superintendent, Mental Hospital  
The Port Health Officer.

Part-time :— The Assistant Port Health Officer  
The Visiting Physician, Leper Hospital  
The Prison Medical Officer  
The Visiting Physician, Government Industrial  
Schools.

2. In January 1948, the Barbados General Hospital was taken over by the Government under the Barbados Hospital Act, 1947. The Medical Staff was comprised of a Medical Superintendent, a Surgical Specialist, a Radiologist, three Visiting Surgeons, three Assistant Visiting Surgeons, one Ophthalmic, Ear, Nose and Throat Surgeon, one Assistant Ophthalmic, Ear, Nose and Throat Surgeon, one House Surgeon and Anaesthetist and three House Surgeons. Temporary part-time medical officers were also employed for work in connection with the Venereal Disease Clinic and with the Out-patient's Department.

3. The Parochial Authorities employ thirteen part-time Parochial Medical Officers, two in each of the parishes of St. Michael and Christ Church, and one for each of the remaining nine parishes.

4. *General Remarks.* The health of the Colony remained satisfactory during the year under review. No cases of any quarantinable disease were reported and there were no epidemics of any serious disease.

5. General Diseases were similar to those of preceding years, no group showing any significant increase.



6. Despite the unfavourable drought and consequent shortage of ground provisions, the nutritional state of the population showed no marked deterioration. The subsidisation of certain staple products kept these products within the purchasing power of the lower income groups.

7. During the year several important Acts relating to the re-organisation of the Medical and Health Services were placed on the Statute Books. These Acts included a Bill to establish a Department of Medical Services under a Director of Medical Services, and a new Quarantine Act. These two Bills although passed by the Legislature, await proclamation by His Excellency the Governor.

8. The Legislature also has under consideration a new ordinance relating to Public Health. As soon as this Bill has been finally assented to by the Legislature, it will be proclaimed together with the other two Acts already mentioned.

9. Another piece of legislation of great interest was the Barbados General Hospital Act, 1947, whereby the Hospital was established a Government Institution and placed under the direction of the Chief Medical Officer.

10. In April 1947, a small outbreak of Smallpox in a neighbouring island resulted in the introduction and passage through the Legislature of a Voluntary Vaccination Act. There was a good response and about 80,000 people have now been vaccinated.

11. In January 1948, Dr. H. D. Weatherhead went on leave prior to transfer to North Borneo. Dr. F. N. Grannum, Sanitation Officer, acted as Chief Medical Officer.

## PART II. GENERAL AND COMMUNICABLE DISEASES.

12. Figures given in this part of the Report with regard to deaths, diseases and statistics refer to the calendar year 1947.

### General Diseases.

13. *Cancer and other Tumours* were responsible for 159 deaths, representing 4.96% of total deaths.

14. *Cerebral Haemorrhage, Embolism and Thrombosis* were returned as the cause of death of 237 persons representing 7.43% of total deaths.

15. *Diseases of the Circulatory System* accounted for 451 deaths representing 14.08% of total deaths.

16. *Diseases of the Respiratory System* caused 271 deaths representing 8.46% of total deaths. This does not include deaths from pulmonary tuberculosis.

17. *Diseases of the Digestive System* were responsible for 338 deaths representing 10.55% of total deaths.

18. *Diseases of the Genito-Urinary System* were the cause of 214 deaths representing 6.68% of total deaths.

19. *Nutritional diseases* accounted for 48 deaths representing 1.50% of total deaths.

### Communicable Diseases.

20. *Enteric Fever* :— During the year 97 cases were notified as compared with 69 in the previous year. The incidence of this disease remains too high and the issuing of family model latrines is continuing. The control



of this disease depends on raising the standard of sanitation and it is hoped that by the free issue of model latrines to abate the nuisance of improper disposal of excreta.

21. *Tuberculosis* :— Ninety-nine cases of pulmonary tuberculosis were notified as compared with 107 cases in 1946. The decrease is not significant and the control and proper notification of this disease is one of the problems that will have to be tackled in a more energetic manner if the spread of the disease is to be arrested. The Housing scheme, the increased interest in nutrition and the public health organisation as proposed in the Public Health Bill now before the Legislature should exercise an ameliorating influence on the incidence of this disease.

22. *Dysentery* :— Fifteen cases were notified as compared with 24 cases last year. No differentiation as to the type of dysentery was made, but amoebic dysentery is less frequent than bacillary.

23. *Diphtheria* :— Thirty-six cases were notified as compared with 23 in 1946. There were 7 deaths from this disease. Alum precipitated toxoid for active immunisation and diphtheria antitoxin for treatment are supplied free of cost to medical practitioners by the General Board of Health.

24. *Venereal Diseases* :— The five venereal diseases occurred during the year. There were 183 deaths from syphilis and of these 99 occurred in children under the age of five years and of the 99 deaths, 81 were in infants under one year of age. Syphilis was the cause of 5.71% of total deaths. No accurate figures can be given of the extent of the venereal disease as these diseases are not notifiable. Venereal disease control will be one of the functions of the Health Centres which are to be set up under the re-organised public health services.

25. *Leprosy* :— Two new cases were notified as compared with three in 1946. One death occurred from leprosy. This disease is rapidly disappearing. During the year treatment with the new sulpha drugs, diasone and sulphatrone was started with encouraging results. At the close of the financial year in March 1947, there were only 38 cases in residence, many of which were burnt out cases and still housed in the leprosarium on compassionate grounds.

26. *Tetanus* :— Thirty-eight deaths occurred as a result of tetanus. Of these 33 were infants under one year of age. These infant deaths are due to infections of the "cord" at birth. The supply of well trained midwives which will result from the establishment of the Maternity Training Hospital should raise the standard of midwifery service available and reduce the number of infant deaths from this cause. The immunisation clinics at the Health Centres will also provide free immunisation against this disease.

27. *Cerebrospinal Meningitis* : . . Eight cases were reported as compared with 39 in 1946. This disease was introduced into the island in 1944 by returning labourers from the United States of America. The further decrease in this incidence is a favourable sign and the disappearance of this disease may be expected.

28. *Infantile Paralysis* :— No cases of this disease were notified. In the preceding year there were 2 notifications.

29. *Malaria* :— The Colony remained free from Malaria and no anopheline mosquitoes were found during the year under review. Schooners



are disinfected before they are allowed to berth and aircraft are also disinfected before landing.

30. During the year no case of any of the quarantinable diseases, i.e. Plague, Smallpox, Yellow Fever, Cholera or Typhus, was reported.

### PART III. VITAL STATISTICS.

31. The following are the principal vital statistical data for the calendar year ending the 31st December, 1947 :—

Estimated population	.. .. .	199,012
Births registered	.. .. .	6,425
Birth rate per 1,000 of the population	.. .. .	32.28
Deaths registered	.. .. .	3,204
Death rate per 1,000 of the population	.. .. .	16.10
Infant mortality per 1,000 live births	.. .. .	167
Maternal mortality per 1,000 live births	.. .. .	3.21
Still birth rate per 1,000 live births	.. .. .	3.16

32. Tables showing a summary of the causes of death in each parish and in age groups for the whole island are given in Appendices V and VI.

### COMMENTS ON THE VITAL STATISTICS.

33. The population on the 31st December 1947, was estimated to be 199,012 and was computed as follows :—

Estimated population 31st December, 1946	..	195,398
Natural increase	.. .. .	3,221
Excess of Immigration over Emigration	..	393
		<hr/>
		199,012

34. The density of the population per square mile was 1,199.

#### Births and Birth-rates

35. The number of births (6,425) showed an increase of 250 births over the preceding year. The birth rate increased by 0.68 per thousand of the population giving a rate of 32.28.

#### Deaths and Death-rates

36. During the year 3,204 deaths were recorded, 85 less than in the preceding year. The death rate fell from 16.83 in 1946 to 16.10 in 1947.

#### Infant Mortality

37. The infant mortality rate of 167 was an increase of 7 as compared with the rate for 1946. This slight increase is of no significance, but the incidence of infant mortality is much too high and reflects the lack of organised midwifery and public health services.

#### Maternal Mortality rate

38. The maternal mortality rate of 3.21 per thousand live births showed a decrease of 2.71 on the year 1946.



## PART IV.—INSTITUTIONS

### The Barbados General Hospital

39. During the latter part of 1947 the Legislature passed the Barbados General Hospital Act 1947. This Act was brought into force by proclamation on 19th January, 1948. This Act constitutes the Hospital a Government Institution and vests in the Executive Committee all the property previously vested in the Hospital Board.

40. The Hospital will be subject to the general superintendence of the Chief Medical Officer and under the immediate supervision of a Medical Superintendent. The work of the hospital will be carried out by a government staff consisting partly of full-time officers and part-time visiting officers.

41. The Act also provides for an advisory Committee consisting of a Chairman and 4 other members to be appointed by the Governor-in-Executive Committee. This Committee will advise the Medical Superintendent on business matters.

42. A Surgeon Specialist—Mr. A. G. Leacock, F.R.C.S., was appointed and assumed duties on the 1st January, 1948. Under his supervision the surgical work of the hospital has been re-organised so as to offer improved services to the public. It is hoped in the near future to re-organise the medical work under a Medical Specialist.

43. From the 7th March 1948, Mr. Leacock has acted as Medical Superintendent in conjunction with his substantive duties.

44. The accommodation at the hospital is inadequate for the needs of the population of the island and consideration is being given to the erection of an entirely new hospital or alternately by improving and extending the hospital on its present site.

45. During the year the senior nursing staff worked under great difficulties due to shortage of staff. Great difficulty is being experienced in recruiting overseas sisters.

46. The post of Radiologist became vacant due to the resignation of Dr. Barclay on 31st March 1948, and up to the present it has not been possible to fill this post. This has greatly hampered the work and usefulness of the hospital.

### The Mental Hospital

47. This is a Government Hospital and has for the accommodation of patients, 31 dormitories, four day rooms and 311 single rooms. Extensions to wards are being carried out to relieve the present over-crowding. Extensions are also in hand to provide a large dining hall and recreation room for the staff.

48. Dr. W. S. Birch, who was on leave from the beginning of the financial year retired from the post of Medical Superintendent on the 26th October, 1947. During his term of office Dr. Birch had done much to improve the Mental Hospital and had administered the institution in a very efficient manner. No appointment has as yet been made.

49. During the year, Dr. Campbell Young acted as Medical Superintendent, assisted by a part-time visiting Medical Practitioner—Dr. Charles Manning. The institution has suffered from lack of staff but has succeeded in maintaining its reputation for excellent work.



50. At the end of the year there were 753 patients in the institution, 323 males, 430 females. The expenditure in connection with the institution for the financial year 1947-48 was £48,768. 15. 3.

#### **The Leper Hospital**

51. During the latter part of the year treatment of patients with the new drugs, diasone and sulphatrone was introduced. Already many of the patients have started treatment with very encouraging results.

52. During the year an attendant was given a course in handicraft and has started a class for the inmates, many of whom show a great interest in this type of work.

53. There were thirty-eight patients in residence at the end of March 1947, 21 males and 17 females. Two new cases were admitted and two discharged patients were re-admitted on compassionate grounds. Two discharges were recorded.

54. The expenditure for the financial year 1947-48 was £6,365. 15. 3. The expenditure for the after care of discharged patients was £907. 6. 0.

55. It will be seen that maintenance cost of this institution for such few patients is not economical. With the new treatment of leprosy it is hoped that in a few years the numbers in the institution will be reduced considerably, and only a few "burnt out" cases who are unable to earn their livelihood outside, will remain in the institution. There is no reason why these cases which are no longer infectious and who constitute no danger to the spread of the disease, should not be housed in parochial almshouses. With the present trend of leprosy in this island, the closure of the Leper Hospital should be possible in a few years.

#### **The Maternity Training Hospital**

56. It is a great pleasure to record the opening of the new Maternity Training Hospital. This institution was started through a grant made by Colonial Development and Welfare, but the scheme was taken over by the Barbados Government in 1947, and this Hospital is administered as a Government institution.

57. The function of the institution is not to provide accommodation as a general lying in hospital, but to provide adequate training for nurses in midwifery. For nearly 18 years there has been no facilities for the training of midwives, and the establishment of this Hospital fills a big gap in our Public Health Services. The supply of well trained midwives is an important step in reducing the high infant mortality in this island.

58. The Hospital provides facilities for the training of 10 registered nurses over a period of 12 months and for 10 untrained women over a period of 18 months.

59. The ante-natal clinic was opened on the 15th December 1947, and the general ward to patients on the 26th January 1948. At the end of March, 1948, 368 patients had attended the ante-natal department and 59 women had been admitted to the wards, with 43 deliveries and 45 discharges. The successful "launching" of this institution is largely due to the hard work and keen interest of the visiting Obstetrician, Dr. A. P. Muir and the Matron, Miss M. Tucker.



### **The Prison Hospital**

60. There is accommodation for male and female prisoners in separate wards. The rate of illness was 2.12 among males and 0.28 among females.

### **The Government Industrial Schools**

61. The health of the children was excellent during the year, and there was no outbreak of any infectious disease.

### **Parochial Almshouses**

62. Each of the eleven parishes has its own almshouse. These institutions are not only homes for the destitute, but also function as Cottage Hospitals and serve to relieve the pressure on the General Hospital. These institutions were well administered by keen Boards of Guardians.

63. In many of these almshouses improvements and repairs have been effected. The inmates have been well cared for. The work of the Parochial Medical Officers has been of a high standard.

### **Maternal and Child Welfare Clinics, Creches and Homes**

64. There are four functioning child welfare clinics and another carries on a creche, viz :—The Children's Goodwill League, the Baby Welfare League, the Christ Church Baby Welfare League, the St. Lawrence Child Health Centre, and the St. Philip Infant Welfare Centre.

65. The Children's Goodwill League provides a creche and supplies a mid-day meal to a number of poor children. This creche is under the supervision of Mr. John Beckles, M.B.E. The number of children admitted to the creche during the year was 317.

66. The Baby Welfare League has as President Mrs. Hanschell, M.B.E. 218 babies were admitted to the clinic during the year and the total number of attendances was 2,638.

67. The Christ Church Baby Welfare League with Madame Ifill as President, did good work in Christ Church. This clinic is conducted in close association with the Christ Church Almshouse.

68. The St. Lawrence Child Health Centre is very efficiently run under a fully trained public health nurse—Mrs. C. W. Stoute. This clinic is extremely well organised and is a pattern that could be followed with advantage in many parishes in which there are no clinics.

69. The St. Philip Infant Welfare Centre. This is a new clinic which has been started in the parish of St. Philip due to the interest and enthusiasm of Mrs. Peebles and Mrs. Daysh. This clinic was opened on the 18th February 1948, when 15 babies attended. The number of babies attending the centre is steadily increasing. It is a fine effort and should go far to encourage other parishes to do likewise.

### **The Nightengale Memorial Home for Children**

70. A Children's Home styled the Nightengale Memorial Home for Children was officially opened by His Excellency the Governor on the 15th December 1947. This Home was the generous gift of the late Dr. C. Nightengale of Trinidad who gave the sum of \$24,000.00 to the Vestry of the parish of St. Michael for the purpose of founding a Children's Home. The Home receives children from the parish of St. Michael who are destitute and between the ages of 5-18 years of age. This has enabled many children to be removed from the unsatisfactory atmosphere of almshouses and to be housed under excellent living conditions for child life. The conditions at



the Home are excellent, the children are well fed and sleep in large well ventilated dormitories (one for boys and one for girls). The Home is also provided with spacious playing fields. The administration of the home is in the capable hands of the Board of Guardians of the parish of St. Michael. The Matron is Miss Grace Bryan who recently returned from England where she had taken a course in Social Welfare. The Home has accommodation for about 17 boys and 13 girls. The need for such an institution was great and growth and extension of this Home will be watched with great interest.

### **Nursing Services**

71. The General Nursing Council functioned regularly during the year. Applications for the registration of Nurses and Midwives were dealt with.

72. The Barbados Nurses Association is a private organisation and administered a Government grant under the supervision of the Chief Medical Officer for maintaining a district nursing service. This Association also operates a nurses' employment bureau.

## **PART V.—HYGIENE AND SANITATION**

### **(a) GENERAL REMARKS**

73. The administration of hygiene and sanitation continued to be administered by eleven separate and independent parochial Boards of Commissioners of Health. These Boards are constituted of laymen and operate without any expert advice. The proposed new Public Health Bill, already referred to, seeks to divide the island into three wards with a Local Sanitary Authority in each parish. A Medical Officer of Health will be appointed to each ward and will act as a Liaison Officer between the Local Sanitary Authorities and the Director of Medical Services. The Bill also provides for increased powers of direction and control over the Local Sanitary Authorities by the Director of Medical Services. Another provision is that of Health Centres with trained staff available for carrying out preventive medicine and health education.

74. The Sanitary Inspectors remain parochial employees and will perform their duties under Medical Officers of Health.

75. The General Board of Health continued to function during the year. The new Public Health Bill proposes to abolish this Board and to replace it by an advisory Board to the Director, who will be Chairman of the Board.

76. In the proposed organisation the Government through its Medical Officers and Public Health Nurses will be responsible for the preventive aspect of medicine while the Parochial Authorities will continue to administer and control curative medicine.

77. Provision is also made for "Grants-in-aid" to the parishes to enable them to improve and extend existing work and to introduce new activities, which may be approved by the Director of Medical Services.



## (b) ELEMENTARY SCHOOLS

78. At present there is no organised medical school service, but children suffering from visual defects receive treatment, including the free provision of glasses where necessary, from Dr. C. H. St. John, Senior Visiting Ophthalmic Surgeon of the General Hospital. Free dental service is also provided by two part-time dentists.

79. Under the re-organised scheme, it is not proposed to establish an independent School Medical Service but this work will be incorporated into the duties of the Medical Officers of Health and Public Health Nurses.

## (c) HEALTH EDUCATION

80. Instruction in Hygiene and Sanitation is given to elementary school children by their teachers. Lectures and radio talks were given by the Chief Medical Officer and Sanitation Officer during the year to the general public, as well as selected groups including school teachers. Health Films were shown throughout the island by means of the Mobile Cinema. The Press and Radio Distribution also co-operated readily in getting information over to the Public.

## (d) HOUSING

81. The shortage and high price of lumber still remain a serious obstacle to the repair of houses owned by members of the poorer sections of the community.

82. The original Government Housing Schemes at Deacons Road consisting of 66 houses continues to function satisfactorily. The second scheme at Belfield provided plots properly laid out with roads and each plot is provided with a flush latrine and shower bath. Suitable houses can be removed from congested areas to this site.

83. Legislation to establish a central authority to control all housing activities including slum clearance and town planning has been introduced in the Legislature, but has not yet become law. This central authority, when established, will replace the present Housing Board.

84. A large estate has been acquired by the Government for the purpose of carrying out a large housing scheme. Plans for this scheme have been submitted already by a Committee set up by the Government.

## (e) FOOD IN RELATION TO HEALTH

85. The excessively dry conditions which prevailed throughout the year resulted in a shortage of locally produced ground provisions and some degree of hardship. The stabilising of prices of certain staple food products, such as rice, flour, salt fish etc., however helped to relieve this condition and to provide a fairly adequate supply of staple food.

86. During the year steps were taken to introduce the use of Food Yeast in diets and steps have been taken to secure a supply of this item for inclusion in the diets of Government Institutions and to induce Parochial Authorities to do the same in Almshouses.



87. The Nutritional Assistant attached to the Education Department has done good work in educating selected groups in the general principle of dietetics and has been largely responsible for the introduction of food yeast into the biscuits served to children at Elementary Schools.

#### PART VI.—TRAINING OF HEALTH PERSONNEL

88. Two Sanitary Inspectors, one government and the other parochial, were sent to Jamaica for advanced training in Sanitation and Public Health. Two nurses were also sent to Jamaica for training in Public Health Nursing. In addition, local courses of training for Sanitary Inspectors and Public Health Nurses were conducted during the year.

F. N. GRANNUM,  
Acting Chief Medical Officer.



## APPENDIX I.

## PAROCHIAL EXPENDITURE ON SANITATION FOR 1947-48

Parish						1947-48		
St. Michael	..	..	..	..	..	£36,019	7	3½
Christ Church	..	..	..	..	..	4,367	13	1½
St. George	..	..	..	..	..	1,027	15	8½
St. Philip	..	..	..	..	..	1,278	6	6
St. John	..	..	..	..	..	773	6	5
St. James	..	..	..	..	..	1,019	14	5½
St. Thomas	..	..	..	..	..	783	10	6½
St. Peter	..	..	..	..	..	1,212	9	5
St. Lucy	..	..	..	..	..	1,057	14	10½
St. Joseph	..	..	..	..	..	1,068	12	2
St. Andrew	..	..	..	..	..	642	7	5½
Total	..	..	..	..	..	£49,250	17	11½

## APPENDIX II.

## COST OF PAROCHIAL POOR LAW ADMINISTRATION, 1947—48.

BARBADOS.

Parish	No. of persons who received any kind of Poor Relief	No. of persons who received Medical Relief	No. of persons who received Cash relief	No. of persons who received Relief in Kind	No. of persons housed in Almshouse for non-Medical reasons (Destitute)	No. of persons who received Medical Relief in Almshouse	No. of persons buried at Parish expense	Total cost of relief
St. Michael ...	8,657	2,988	3,297	3,686	397	1,176	199	£61,304 0 5
Ch. Church...	3,041	2,608	397	7	97	87	17	10,219 15 2½
St. George ...	828	631	309	7	59	212	21	4,577 1 6½
St. Philip ...	1,205	903	507	10	43	197	16	7,856 6 5½
St. John ...	1,924	1,846	160	70	44	255	20	3,975 15 9½
St. James ...	604	151	295	2	35	188	7	4,326 11 2½
St. Thomas...	752	628	126	2	20	133	7	4,235 10 5½
St. Peter ...	541	410	126	—	25	157	11	3,693 4 6½
St. Lucy ...	809	540	370	1	25	242	6	4,265 10 1
St. Joseph ...	667	559	170	34	20	116	8	2,521 5 8½
St. Andrew...	323	270	69	12	26	84	4	2,586 8 1½
Total ...	19,351	11,534	5,826	3,831	791	2,847	316	£109,561 4 6½



# The Annual Report of the Port Health Officer for the Year 1947

## APPENDIX III

There has been little change in the staff since the last Annual Report. **Staff.**  
 Dr. J. A. Browne continues to act as Port Health Officer, while Dr. A. G. Bancroft, Assistant Port Health Officer retired on 31st October, 1947. Dr. W. F. Kerr who acted for Dr. A. G. Bancroft from 10th October, 1947, to 31st October, 1947, was appointed to act on Dr. A. G. Bancroft's retirement.

2. Dr. J. A. Browne was on 14 days' casual leave from 16th—29th September, 1947, and 52 days' leave of absence from 30th September, 1947, to 20th November, 1947. Dr. A. V. Greaves acted as Port Health Officer during Dr. J. A. Browne's absence. **Leave.**

Dr. A. G. Bancroft was granted 18 days leave from 1st January, 1947 to 18th January, 1947, during which time Dr. R. L. Renwick acted as Assistant Port Health Officer. Dr. Bancroft was again granted leave as follows:— 28 days sick leave followed by one (1) month vacation leave and one (1) month 26 days half pay leave. This leave started on 9th July, 1947, and ended on 31st October, 1947. Dr. R. L. Renwick acted for Dr. A. G. Bancroft from 9th July, 1947 to 9th October, 1947, and Dr. W. F. Kerr acted from 10th October, 1947 to 31st October, 1947.

3. During the year there were 1,006 arrivals of vessels at Bridgetown. These vessels were boarded by the Port Health Officer, and Assistant Port Health Officer. (Please refer to Table "A" re rig of vessels, of what nationality they were etc.). This year's arrivals show an increase of ninety-six as compared with those of the previous year. The following is a statement of the arrivals for the past five years including the year under review:— **No. Of Arrivals**  
**Increase in Arrivals.**

Year	Arrivals
1943	509
1944	682
1945	698
1946	910
1947	1,006

4. This year saw 1,056 arrivals of planes, of which 949 were British, 93 American, 11 Dutch, 2 French, and one Brazilian. 9,733 passengers arrived by air and were inspected. 200 passengers were placed under Medical Surveillance. There were also 764 passengers intransit. **No. of planes and passengers.**

5. There were fourteen arrivals from ports infected or suspected of being infected with Quarantinable diseases. **Arrivals from infected ports.**

6. Medical inspection was carried out on passengers and crews of all ships that arrived from infected ports. There were also routine inspections of all 3rd class and deck passengers arriving at this port on steamships and also on passengers and crews of sailing vessels. **Medical inspection carried out.**



Total No. of crews for year.

7. The total number of crews of vessels that arrived at the port of Bridgetown during the year was 29,803, of these 5,900 were medically inspected.

No. of passengers for Barbados.

8. The number of passengers who arrived for Barbados during the year was 3,150, 3rd class and deck, 171 2nd class, and 3,029 1st class.

Intransit passengers.

9. The passengers intransit totalled 12,950. Of these 9,381, were 1st class, 578 2nd class, and 2,991 3rd class.

Passengers and Stowaways medically Inspected

10. The total number of passengers medically inspected was 6,350. There were also 17 stowaways who were medically inspected.

Passengers placed under Medical Surveillance.

11. There were no passengers placed under medical surveillance this year.

Vessels boarded to seal wireless.

12. There were no vessels boarded at night for the purpose of allowing the Customs Authorities to seal the wireless.

Fumigations.

13. Twelve vessels were fumigated under Careenage Regulations free of charge during the year. No rats were destroyed

Quarantine measures enforced.

14. Quarantine measures were enforced throughout the year against Venezuela, Santo Domingo, Cuba, Haiti, Colombia, Brazil, and the Argentine Republic.

Tonnage.

15. The total tonnage of vessels that arrived during the year was 1,251,456. (Steamships being 1,222,978 and sailing vessels 28,478).

A. V. GREAVES,  
Acting Port Health Officer,  
Barbados.

18th July, 1948.

TABLE "A"

Nationality	S. S.	3 Mast Schooners	4 Mast Schooners	Sloops	Yawls	Motor Launches	Yachts	Tankers	Warships	Total
British	283	—	—	33	3	1	4	7	3	811
American	92	—	—	—	—	—	3	—	—	95
French	36	—	—	6	1	—	—	—	—	45
Canadian	18	—	—	—	—	—	—	—	2	20
Norwegian	8	—	—	—	—	—	—	—	—	8
Argentine	3	—	—	—	—	—	—	—	—	3
Venezuelan	2	—	—	—	—	—	—	3	—	5
Honduran	—	—	—	—	—	—	—	—	—	1
Colombian	2	—	—	—	—	—	—	—	—	2
Greek	—	—	—	—	1	—	—	—	—	1
Panamanian	3	—	—	—	—	—	—	—	—	3
Dutch	10	—	—	—	—	—	—	—	—	10
Swedish	—	—	—	—	—	—	—	—	—	1
Chilean	1	—	—	—	—	—	—	—	—	1
	458	—	—	39	5	1	7	10	5	1,006



## APPENDIX IV

SUMMARY OF WORK DONE BY THE INSPECTING FIELD FORCE  
FOR THE YEAR 1947—48.

## (a) Inspections:—

Houses inspected .. .. .	19,748
Water Closets .. .. .	1,544
Pit Closets .. .. .	9,358
Pail Closets .. .. .	2,084
Pails or Buckets .. .. .	1,112
Pit Holes .. .. .	4,253
Privy middens .. .. .	745
Using in common .. .. .	1,440
Premises with animals .. .. .	6,637
Urinals to stables .. .. .	1,947
Manure heaps .. .. .	959
Water receptacles .. .. .	2,801
Surface wells .. .. .	337

## (b) Nuisances:—

Full pit closets .. .. .	106
Insanitary pit closets .. .. .	35
Full and/or insanitary pails .. .. .	159
Full and/or insanitary pit holes .. .. .	50
Insanitary privy middens .. .. .	6
Premises with no sanitary arrangements .. .. .	79
Premises with disused tins, bottles, etc. .. .. .	633
Structurally defective latrines .. .. .	473
Manure heaps breeding flies .. .. .	303
No. of premises on which mosquitoes were found breeding .. .. .	259
Premises keeping animals contrary to the bye-laws .. .. .	24
	2,127

## Rat Destruction

Poisonous bait set .. .. .	31,531
No. of rats destroyed, trapped and found poisoned .. .. .	7,425
No. of mice destroyed, trapped and found poisoned .. .. .	2,163

## APPENDIX V

CAUSES OF DEATHS REGISTERED IN THE ISLAND DURING 1947.

DISEASES	NUMBER REGISTERED IN														TOTAL											
	St. Michael		St. Church		St. George		St. Philip		St. John		St. James		St. Thomas		St. Peter		St. Lucy		St. Joseph		St. Andrew		M	F	Persons	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F						
I. Infective and Parasitic Diseases ...	118	115	11	18	12	21	12	25	23	16	11	6	4	5	6	10	15	7	8	7	6	8	226	238	464	
II. Cancer and other Tumours ...	26	62	4	9	7	9	1	6	4	5	3	3	...	3	...	4	3	4	1	4	...	1	49	110	159	
III. Rheumatism, Diseases of Nutrition and of the Endocrine Glands, Other General Diseases ...	19	31	1	3	2	2	1	2	8	9	2	4	...	...	2	1	...	2	1	...	1	...	37	54	91	
IV. Diseases of the Blood and Haematopoietic Organs ...	2	3	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	1	...	...	3	6	9	
V. Chronic Poisonings and Intoxications ...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	
VI. Diseases of the Nervous System and Organs of Special Sense ...	64	79	13	14	7	15	7	13	...	3	3	21	3	5	3	4	5	5	2	2	...	4	107	165	272	
VII. Diseases of the Circulatory System ...	72	103	10	21	7	15	20	13	9	17	8	21	6	7	18	27	10	24	14	15	3	11	177	274	451	
VIII. Diseases of the Respiratory System ...	80	58	10	12	4	8	8	6	1	2	7	6	11	9	9	10	7	5	5	1	7	5	149	122	271	
IX. Diseases of the Digestive System ...	73	56	7	5	16	11	10	14	14	9	15	20	3	7	12	12	13	8	7	10	7	9	177	161	338	
X. Diseases of the Genito-Urinary System ...	59	65	7	13	5	3	8	6	6	4	4	2	1	3	2	5	4	4	2	1	5	5	103	111	214	
XI. Pregnancy, Labour and Puerperal State ...	...	13	...	1	...	1	...	...	...	3	1	...	...	...	...	...	2	...	...	...	...	...	...	...	21	21
XII. Diseases of the Skin and Cellular Tissue ...	1	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	3	4	
XIII. Diseases of the Bones and Organs of Locomotion ...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	3
XIV. Congenital Malformations ...	2	1	...	...	1	...	...	1	2	2	1	...	...	...	...	...	...	...	...	...	...	...	5	7	12	
XV. Early Infancy ...	104	96	20	12	33	29	34	16	11	13	18	11	17	21	29	15	21	14	19	21	20	15	325	263	588	
XVI. Senility ...	27	112	7	24	3	6	7	17	3	2	...	1	2	...	3	5	...	1	2	...	...	...	54	168	222	
XVII. Violent or Accidental Deaths ...	19	9	1	...	1	...	...	...	...	1	1	1	1	...	2	...	...	...	1	1	...	...	26	11	37	
XVIII. Causes of Deaths not Determined ...	11	12	2	3	2	5	1	3	...	2	...	1	1	1	...	1	...	...	1	...	...	...	18	28	46	
Total, All Groups ...	681	817	93	135	100	126	109	121	82	88	73	98	49	62	86	94	78	77	63	63	49	60	1,463	1,741	3,204	



THE CAUSES OF DEATHS

Cause of Death	Males		Females		Total
	M	F	M	F	
	No.	%	No.	%	
Causes of Death not Determined	1	1.1	1	1.1	2
Violent or Accidental Deaths	2	2.2	1	1.1	3
Smoking	3	3.3	1	1.1	4
Body Injuries	11	11.1	10	11.1	21
Genital Malformations	1	1.1	1	1.1	2
Diseases of the Heart and Organs of Locomotion	1	1.1	1	1.1	2
Diseases of the Brain and Central Nerves	1	1.1	1	1.1	2
Pregnancy, Labour and Puerperal State	1	1.1	1	1.1	2
Diseases of the Gastro-Intestinal System	4	4.4	4	4.4	8
Diseases of the Digestive System	7	7.7	7	7.7	14
Diseases of the Respiratory System	11	11.1	11	11.1	22
Diseases of the Circulatory System	17	17.7	17	17.7	34
Local Special Cases	3	3.3	3	3.3	6
Diseases of the Nervous System and Organs of Sense	1	1.1	1	1.1	2
Ortic Poisonings and Irritations	1	1.1	1	1.1	2
Diseases of the Blood and Haematopoietic Organs	1	1.1	1	1.1	2
Rheumatic Glands, Other Genital Diseases	2	2.2	2	2.2	4
Rheumatoid Diseases of Nutrition and of the	2	2.2	2	2.2	4
Cancer and other Tumours	3	3.3	3	3.3	6
Infective and Parasitic Diseases	5	5.5	5	5.5	10
<b>Total All Groups</b>	<b>87</b>	<b>87.7</b>	<b>87</b>	<b>87.7</b>	<b>174</b>

## APPENDIX VI

CAUSES OF DEATHS, ARRANGED IN AGE GROUPS, REGISTERED IN THE ISLAND DURING 1947.

REF. No. (1)	CAUSES OF DEATH (2)	Under one year		1 year to 3 years		3 years to 5 years		5 years to 10 years		10 years to 20 years		20 years &c.		30 years &c.		40 years &c.		50 years &c.		60 years &c.		70 years &c.		80 years &c.		90 years and over		Not stated		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
	<b>I. INFECTIVE AND PARASITIC DISEASES</b>																														
1	Typhoid and paratyphoid fevers							1	2	3	2	1	1			2													7	6	13
2	Plague																														
3	Scarlet Fever																														
4	Whooping Cough	14	21	5	8		1																						19	30	49
5	Diphtheria	1	1	2	1	1					1																				
6	Tuberculosis of the respiratory system	1	1					1	5	11	11	14	12	20	15	5		5	1	4									45	61	106
7	All other forms of tuberculosis									1	2			1	1			1											3	3	6
8	Purulent infection and septicæmia (non-puerperal)	1									1			1				1											2	2	4
9	Dysentery	4	5		1		1						1					2		1		2		1				4	14	18	
10	Malaria																														
11	Syphilis	44	37	9	9							2	3	9	9	16	11	11	7	7	1	5	2		1				103	80	183
12 (a)	Influenza with respiratory complications																							1					1		1
12 (b)	Virus or without—complications specified																														
13	Smallpox																														
14	Measles																														
15	Typhus Fever																												3	3	6
16	Diseases due to helminths <sup>1</sup>				3	3																									
17	Other infective or parasitic diseases:—																														
(a)	Tetanus	18	15			1		2				2	2	1		2		1		2		1		1				21	27	48	
(b)	Leprosy											1																	1		1
(c)	Cerebro-spinal (Meningococcal) Meningitis	1							1										1									2	1	3	
(d)	Acute Poliomyelitis																														
(e)	Other infective or parasitic diseases	4					1					2	1	1	3	1	3	2				1						11	8	19	
	Total Group I.	88	80	19	22	2	3	4	8	16	19	23	25	32	37	20	14	19	8	9	5	6	1	4			226	238	464		
	<b>II. CANCER AND OTHER TUMOURS</b>																														
18	Cancer and other malignant tumours of the buccal cavity and pharynx																	2	1			1		1				4	1	5	
19	Cancer and other malignant tumours of the digestive organs and peritoneum												1		1	3	1	6	6	9	11	6	13	2	4			26	39	65	
20	Cancer and other malignant tumours of the respiratory system						1							1				1		1	1							3	2	5	
21	Cancer and other malignant tumours of the uterus									1				4		7		11		12		2		3					40	40	
22	Cancer and other malignant tumours of the breast													2		1		4		3		1		1		1			13	13	
23	Cancer and other malignant tumours of other or unspecified organs											2	1	1	3	1		5	2	4	2	3	2		2			16	12	28	
24	Non-malignant tumours or tumours of undetermined nature																							2		1				3	3
	Total Group II.						1	2		1	2	2	1	10	5	9	13	25	13	22	11	20	3	11		1	49	110	159		





## APPENDIX VI—Continued

CAUSES OF DEATHS, ARRANGED IN AGE GROUPS, REGISTERED IN THE ISLAND DURING 1947.

REF. No. (1)	CAUSES OF DEATH (2)	Under one year		1 year to 3 years		3 years to 5 years		5 years to 10 years		10 years to 20 years		20 years &c.		30 years &c.		40 years &c.		50 years &c.		60 years &c.		70 years &c.		80 years &c.		90 years and over		Not Stated		Total		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total		
<b>III. RHEUMATISM, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS, OTHER GENERAL DISEASES AND VITAMIN-DEFICIENCY DISEASES</b>																																
25	Rheumatic fever	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	3	3
26	Chronic rheumatism and gout	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2	2	
27	Diabetes mellitus	...	...	...	...	...	...	...	...	1	3	...	1	...	...	2	2	3	2	5	1	3	1	3	...	...	...	10	17	27		
28	Diseases of the thyroid and parathyroid glands	...	...	...	...	...	...	...	...	...	...	...	2	1	1	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	
29	Other general diseases	...	1	...	...	...	...	...	...	...	...	2	1	1	...	...	...	...	...	1	1	...	2	...	...	...	...	4	7	11		
30	Vitamin-deficiency diseases	10	8	4	2	...	...	...	...	...	1	...	1	5	1	1	4	2	1	2	1	3	...	1	...	1	...	23	25	48		
	Total, Group III.	10	9	4	2	...	...	...	...	1	4	4	3	6	1	3	6	8	4	8	4	6	1	6	...	1	...	37	54	91		
<b>IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS</b>																																
31	Pernicious and other anemias	...	1	...	...	...	...	...	...	...	...	...	...	1	3	...	...	...	...	...	...	1	...	...	...	...	...	2	4	6		
32	Leukemias, aleukemias and other diseases of the blood and blood-forming organs	...	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	2	3		
	Total, Group IV.	...	2	1	...	...	...	...	...	...	...	...	...	1	4	...	...	...	...	...	...	1	...	...	...	...	...	3	6	9		
<b>V. CHRONIC POISONING AND INTOXICATION</b>																																
33	Chronic or acute alcoholism	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	2	...	2		
34	Other chronic poisonings	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Total, Group V.	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	2	...	2		
<b>VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS</b>																																
35	Non-meningococcal meningitis	2	2	2	1	...	...	...	...	1	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	6	5	11		
36	Diseases of the medulla and spinal cord other than locomotor ataxia	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2		
37	Intra-cranial lesions of the vascular origin	...	...	...	...	...	...	...	1	1	...	7	7	16	10	22	14	22	51	20	39	5	19	...	3	...	93	144	237			
38	Mental disorders and deficiency	...	...	...	...	...	...	...	1	1	...	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	5	8			
39	Epilepsy	...	...	...	...	...	...	...	1	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	4	4		
40	Other diseases of the nervous system	1	2	1	...	...	...	...	...	1	...	2	...	1	1	...	...	...	...	...	...	...	...	...	...	...	4	5	9			
41	Diseases of the eye, ear and their annexa	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1		
	Total, Group VI.	3	4	3	1	...	...	...	2	4	3	3	8	11	18	15	23	15	22	51	20	39	5	19	...	3	107	165	272			





## APPENDIX VI—Continued

CAUSES OF DEATHS, ARRANGED IN AGE GROUPS, REGISTERED IN THE ISLAND DURING 1947.

REF. No. (1)	CAUSES OF DEATH (2)	Under one year		1 year to 3 years		3 years to 5 years		5 years to 10 years		10 years to 20 years		20 years &c.		30 years &c.		40 years &c.		50 years &c.		60 years &c.		70 years &c.		80 years &c.		90 years and over		Not stated		Total			
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total			
	<b>VII. DISEASES OF THE CIRCULATORY SYSTEM.</b>																																
42	Pericarditis (including chronic rheumatic pericarditis) ...																																
43	Chronic affections of the valves and endocardium ...								1		1				3		1	2	1	3	1	1								6	11	17	
44	Diseases of the myocardium, including aneurysm of the heart ...																																
45	Diseases of the coronary arteries and angina pectoris ...			2					2			1	1		4	1	7	8	15	16	28	27	43	66	9	40	1	15			110	176	286
46	Other diseases of the heart ...													1	1				3	3	5	4			1	1				12	7	19	
47	Arteriosclerosis and gangrene ...															2	1	4	7	9	6	6	7	16	1	6				25	44	69	
48	Other diseases of the circulatory system ...														1	1				1	3	9	7	8	3	7				15	26	41	
	Total Group VII.			2					3	1		3	3		9	6	12	14	26	31	42	49	65	94	16	57	1	17		177	274	451	
	<b>VIII. DISEASES OF THE RESPIRATORY SYSTEM.</b>																																
49	Bronchitis ...	25	17	4	6	1				1	1	1	1									2	1	2							33	29	62
50 (a)	Pneumonia Promay ...	5	6	4		1	1	1		2	1	1	3	3	2	2		2	1	3	1	2			1	1				27	16	43	
50 (b)	Pneumonia other than promay ...	45	33	11	8	1	1	1	1			1	3	2	2	4	4	1	1	5	4	5	2							73	62	135	
51	Pleurisy (non-tuberculous) ...								1							1															4	1	5
52	Other diseases of the respiratory system, except tuberculosis ...	1			2							1	1	2	1	1	2	3	2	2	3	2	2							12	14	26	
	Total Group VIII.	76	56	19	16	3	2	3	1	3	2	4	8	8	5	8	6	7	3	6	12	9	9	3	2				149	122	271		
	<b>XI. DISEASES OF THE DIGESTIVE SYSTEM.</b>																																
53	Ulcer of the stomach or duodenum ...	2		2															1												3	3	6
54	Diarrhoea and enteritis (under 2 years of age) ...	110	100	16	10																										126	110	236
55	Diarrhoea, enteritis and ulceration of the intestines (2 years of age and over) ...				1	1		1		1			1	2	1		3		4	1	2	4		5		2				12	17	29	
56	Appendicitis ...								2											1											3		3
57	Hernia, intestinal obstruction ...	2	1		1			1		1	1			1			3	1	2		1	1	2							12	6	18	
58	Cirrhosis of the liver ...												1				1	1		1	1	2				1				6	3	9	
59	Other diseases of the liver and biliary passages, including biliary calculi ...	3								1						1	1		2											4	4	8	
60	Other diseases of the digestive system ...	2	5		3		3		2	1	3			3	1	2			1				1	1			1			11	18	29	
	Total, Group IX.	119	108	17	15		4	3	3	2	5	2	3	4	1	10	4	9	3	5	6	5	6		3	1			177	161	338		





CAUSES OF DEATHS, ARRANGED IN AGE GROUPS, REGISTERED IN THE ISLAND DURING 1947.

REF. No. (1)	CAUSES OF DEATH (2)	Under one year		1 year to 3 years		3 years to 5 years		5 years to 10 years		10 years to 20 years		20 years &c.		30 years &c.		40 years &c.		50 years &c.		60 years &c.		70 years &c.		80 years &c.		90 years and over		Not stated		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total	
	<b>X DISEASES OF THE URINARY AND GENITAL SYSTEMS (NOT VENEREAL OR CONNECTED WITH PREGNANCY OR THE PUERPERIUM)</b>																														
61	Nephritis	3	...	7	...	1	...	1	1	2	1	2	7	4	8	8	15	13	15	21	16	22	28	11	16	1	3	...	96	110	206
62	Other diseases of the kidneys and ureters	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
63	Calculi of the urinary passages	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
64	Diseases of the bladder, except tumours	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	1
65	Diseases of the urethra, urinary abscess etc.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
66	Diseases of the prostate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	2	...	2
67	Other diseases of the genital organs, not specified as venereal or connected with pregnancy or the puerperal state	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	
	Total, Group X.	3	...	7	...	1	...	1	1	2	1	3	8	5	8	10	15	13	15	22	16	24	28	11	16	1	3	...	103	111	214
	<b>XI. DISEASES OF PREGNANCY, CHILD-BIRTH, AND THE PUERPERAL STATE</b>																														
68	Diseases and accidents of pregnancy	...	...	...	...	...	...	...	...	2	...	7	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14	14
69	Abortion without mention of septic conditions	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
70	Post-abortive infection	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
71	Infection during childbirth and the puerperium	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
72	Other accidents and diseases of childbirth and the puerperium	...	...	...	...	...	...	...	...	2	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	5	5
	Total, Group XI.	...	...	...	...	...	...	...	...	5	...	8	...	7	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	21	21
	<b>XII. DISEASES OF THE SKIN AND CELLULAR TISSUE.</b>																														
73	Diseases of the skin and cellular tissue	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	1	3	4
	<b>XIII. DISEASES OF THE BONES AND ORGANS OF MOVEMENT.</b>																														
74	Diseases of the bones and organs of movement, except tuberculosis and rheumatism	...	...	1	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	3
	<b>XIV. CONGENITAL MALFORMATIONS.</b>																														
75	Congenital malformations (still—births excepted)	4	5	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	5	7	12
	<b>XV. DISEASES PECULIAR TO THE FIRST YEAR OF LIFE.</b>																														
76	Congenital debility	158	135	54	30	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	214	166	380
77	Premature birth (still—births excluded)	54	51	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	55	54	109
78	Injury at birth (still—births excluded)	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	3
79	Other diseases peculiar to the first year of life	53	39	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	55	41	96
	Total, Group XV.	266	227	57	35	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	325	263	588



CAUSES FOR DEATHS, ARRANGED IN AGE GROUPS.

CAUSES OF DEATH	AGE GROUPS				
	Under 10 years	10 to 14 years	15 to 19 years	20 to 24 years	25 years and over
I. DISEASES OF THE URINARY AND GENITAL SYSTEMS (NOT VENEREAL OR CONNECTED WITH PREGNANCY OR THE PUERPERIUM)	Neuritis	...	...	...	...
	Other diseases of the kidneys and ureters	...	...	...	...
	Calculi of the urinary passages	...	...	...	...
	Disease of the bladder, except cancer	...	...	...	...
	Disease of the urethra, except cancer	...	...	...	...
	Disease of the prostate	...	...	...	...
	Other diseases of the genital organs, not specified	...	...	...	...
	In females: Cancer of the uterus and ovaries	...	...	...	...
	In males: Cancer of the testis	...	...	...	...
	Total Group I	...	...	...	...
II. DISEASES OF THE SKIN AND CELLULAR TISSUE	Disease of the skin and cellular tissue	...	...	...	...
	...	...	...	...	...
	...	...	...	...	...
	...	...	...	...	...
	Total Group II	...	...	...	...
III. DISEASES OF THE BONES AND ORGANS OF MOVEMENT	Disease of the bones and organs of movement, except rheumatism and rickets	...	...	...	...
	Rheumatism and rickets	...	...	...	...
IV. CONGENITAL MALFORMATIONS	...	...	...	...	...
	...	...	...	...	...
XV. DISEASES PECULIAR TO THE FIRST YEAR OF LIFE	...	...	...	...	...
	...	...	...	...	...
	...	...	...	...	...
	...	...	...	...	...
	...	...	...	...	...

## APPENDIX VI—Concluded

CAUSES OF DEATHS, ARRANGED IN AGE GROUPS, REGISTERED IN THE ISLAND DURING 1947.

REF. No. (1)	CAUSES OF DEATH (2)	Under one year		1 year to 3 years		3 years to 5 years		5 years to 10 years		10 years to 20 years		20 years &c.		30 years &c.		40 years &c.		50 years &c.		60 years &c.		70 years &c.		80 years &c.		90 years and over		Not Stated		Total		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total		
80	<b>XVI. SENILITY, OLD AGE.</b> Senility, old age ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	17	25	62	23	70	4	18	...	...	54	168	222
	<b>XVII. VIOLENT OR ACCIDENTAL DEATHS</b>																															
81	Suicide ... ..	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	3
82	Homicide ... ..	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
83	Automobile accidents (all motor driven road vehicles) ... ..	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2	2
84	Other violent or accidental deaths (automobile accidents excepted) ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
85	Deaths of persons in military service during— and of civilians due to operations of war ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
86	Legal executions ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total, Group XVII. ... ..	2	1	1	1	...	2	...	...	2	4	3	3	1	7	1	5	1	2	—	...	1	...	...	...	...	...	...	26	11	37	
	<b>XVIII. ILL-DEFINED CAUSES OF DEATH</b>																															
87	Causes of death unstated or ill-defined ... ..	...	3	1	2	1	...	...	1	1	3	...	1	1	4	3	1	1	3	8	2	6	1	2	...	...	...	...	18	28	46	
	Total, All Groups ... ..	575	498	130	95	8	9	12	13	21	39	46	59	69	88	113	96	118	123	129	207	170	280	66	190	6	44	...	1,463	1,741	3,204	



CAUSES OF DEATH ARRANGED IN ACCORDANCE WITH

Age	Sex	Race	Total		Cause of death	Total		Cause of death	
			No.	Rate		No.	Rate		
All ages	M	W	...	...	...	...	...	...	
									...
...	F	W	...	...	...	...	...	...	
									...
<b>XVII. UNDEFINED CAUSES OF DEATH</b>									
Causes of death unclassified or ill-defined									
...	...	...	...	...	...	...	...	...	...
<b>XVII. VIOLENT OR ACCIDENTAL DEATHS</b>									
Deaths of persons in military service during and of civilians due to operations of war Fatal executions Other violent or accidental deaths (automobile vehicles) Automobile accidents (all motor driven road vehicles) Homicide Suicide									
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
<b>XVI. SENILITY AND AGE</b>									
Senility, old age									
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
<b>Total group XVII.</b>									
<b>Total, All Groups</b>									

## APPENDIX VII.

Table showing a summary of the main causes of morbidity for which patients were treated at the Barbados General Hospital.

Diseases	Cases	Diseases	Cases
Abortion .. ..	193	Gangrene .. ..	22
Abrasions .. ..	65	Gastro-enteritis .. ..	72
Abscess .. ..	260	Glaucoma .. ..	27
Adenitis .. ..	55	Haematoma .. ..	12
Adenoids .. ..	149	Hernia .. ..	176
Anaemia .. ..	14	Hydrocele .. ..	18
Aneurysm .. ..	7	Jaundice .. ..	47
Appendicitis .. ..	453	Marasmus .. ..	60
Arthritis .. ..	53	Menorrhagia .. ..	36
Bronchitis .. ..	73	Nephritis .. ..	37
Broncho- Pneumonia .. ..	128	Neuritis .. ..	14
Burns .. ..	97	Oedema .. ..	13
Carbuncle .. ..	34	Orchitis .. ..	14
Carcinoma .. ..	104	Osteomyelitis .. ..	32
Cardiac Disease .. ..	73	Paraphimosis .. ..	12
Cataract .. ..	67	Pelvic Cellulitis .. ..	7
Cellulitis .. ..	106	Peritonitis .. ..	22
Cerebrospinal Meningitis .. ..	2	Phimosis .. ..	6
Cœlic .. ..	54	Pleurisy .. ..	31
Colitis .. ..	12	Pneumonia .. ..	60
Conjunctivitis .. ..	19	Poisoning .. ..	46
Constipation .. ..	43	Pyrexia .. ..	19
Convulsions .. ..	17	Salpingitis .. ..	27
Cysts .. ..	50	Septicaemia .. ..	2
Diabetes .. ..	49	Stricture .. ..	17
Diarrhoea .. ..	26	Syphilis .. ..	78
Dysentery .. ..	8	Tetanus .. ..	55
Dysmenorrhoea .. ..	28	Tonsillitis .. ..	70
Endometritis .. ..	23	Toxaemia .. ..	63
Enteric Fever .. ..	72	Tuberculosis .. ..	40
Fibroid .. ..	249	Tumours .. ..	24
Fractures .. ..	316	Ulcers .. ..	120



APPENDIX VII.

Table showing a summary of the main causes of morbidity for which patients were treated at the Devon General Hospital.

Class	Diagnosis	Cases	Percentage
22	Abortion	150	1.5
23	Acute Bronchitis	60	0.6
24	Allergies	100	1.0
25	Alcoholism	60	0.6
26	Alzheimer's Disease	40	0.4
27	Anaemia	10	0.1
28	Anxiety Disorder	1	0.01
29	Arteriosclerosis	200	2.0
30	Asbestosis	10	0.1
31	Asthma	10	0.1
32	Bacterial Infection	100	1.0
33	Bleeding	10	0.1
34	Bone Disease	10	0.1
35	Breast Cancer	10	0.1
36	Breast Infection	10	0.1
37	Breast Lump	10	0.1
38	Breast Pain	10	0.1
39	Breast Swelling	10	0.1
40	Breast Tenderness	10	0.1
41	Breast Ulcer	10	0.1
42	Breast Wound	10	0.1
43	Breast X-ray	10	0.1
44	Breast Examination	10	0.1
45	Breast Surgery	10	0.1
46	Breast Treatment	10	0.1
47	Breast Medication	10	0.1
48	Breast Prosthesis	10	0.1
49	Breast Reconstruction	10	0.1
50	Breast Biopsy	10	0.1
51	Breast Staging	10	0.1
52	Breast Prognosis	10	0.1
53	Breast Survival	10	0.1
54	Breast Quality of Life	10	0.1
55	Breast Supportive Care	10	0.1
56	Breast Clinical Trials	10	0.1
57	Breast Guidelines	10	0.1
58	Breast Research	10	0.1
59	Breast Education	10	0.1
60	Breast Awareness	10	0.1
61	Breast Screening	10	0.1
62	Breast Prevention	10	0.1
63	Breast Early Detection	10	0.1
64	Breast Risk Factors	10	0.1
65	Breast Genetic Testing	10	0.1
66	Breast Family History	10	0.1
67	Breast Personal History	10	0.1
68	Breast Physical Examination	10	0.1
69	Breast Mammography	10	0.1
70	Breast Ultrasound	10	0.1
71	Breast CT Scan	10	0.1
72	Breast MRI	10	0.1
73	Breast PET Scan	10	0.1
74	Breast Bone Scan	10	0.1
75	Breast Blood Tests	10	0.1
76	Breast Urine Tests	10	0.1
77	Breast Stool Tests	10	0.1
78	Breast Sputum Tests	10	0.1
79	Breast Swab Tests	10	0.1
80	Breast Biopsy Results	10	0.1
81	Breast Staging Results	10	0.1
82	Breast Prognosis Results	10	0.1
83	Breast Survival Results	10	0.1
84	Breast Quality of Life Results	10	0.1
85	Breast Supportive Care Results	10	0.1
86	Breast Clinical Trials Results	10	0.1
87	Breast Guidelines Results	10	0.1
88	Breast Research Results	10	0.1
89	Breast Education Results	10	0.1
90	Breast Awareness Results	10	0.1
91	Breast Screening Results	10	0.1
92	Breast Prevention Results	10	0.1
93	Breast Early Detection Results	10	0.1
94	Breast Risk Factors Results	10	0.1
95	Breast Genetic Testing Results	10	0.1
96	Breast Family History Results	10	0.1
97	Breast Personal History Results	10	0.1
98	Breast Physical Examination Results	10	0.1
99	Breast Mammography Results	10	0.1
100	Breast Ultrasound Results	10	0.1





