

## **Medical report / British Honduras.**

### **Contributors**

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**BRITISH HONDURAS  
ANNUAL MEDICAL REPORT**  
For the year ending  
31st December, 1944.

*Printed by the Government Printer.*

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# BRITISH HONDURAS ANNUAL MEDICAL REPORT

For the year ending  
31st December, 1944.

## VITAL STATISTICS

### *Belize District*

Estimated Population of Males	11,986	}	25,064
Estimated Population of Females	13,078		
Population to the Square Mile	15.44		
Area of, in Square miles	1,623		
Births	844		
Birth Rate per 1,000 of population	33.7		
Deaths	357		
Death Rate per 1,000 of population	14.2		
Infantile Mortality per 1,000 live births	85		

### *Northern District*

Estimated Population of Males	8,432	}	16,300
Estimated Population of Females	7,868		
Population to the Square Mile	7.48		
Area of, in Square Miles	2,180		
Births	426		
Birth Rate per 1,000 of population	26.7		
Deaths	244		
Death Rate per 1,000 of population	14.9		
Infantile Mortality per 1,000 live births	133		

### *Stann Creek District*

Estimated Population of Males	3,222	}	6,941
Estimated Population of Females	3,719		
Population to the Square Mile	8.02		
Area of, in Square Miles	840		
Births	184		
Birth Rate per 1,000 of population	26.5		
Deaths	115		
Death Rate per 1,000 of population	16.6		
Infantile Mortality per 1,000 live births	114		

### *Toledo District*

Estimated Population of Males	3,217	}	6,663
Estimated Population of Females	3,446		
Population to the Square Mile	3.13		
Area of, in Square Miles	2,125		
Births	319		
Birth Rate per 1,000 of population	47.8		
Deaths	305		
Death Rate per 1,000 of population	45.7		
Infantile Mortality per 1,000 live births	272		

### *Cayo District*

Estimated Population of Males	4,342	}	8,422
Estimated Population of Females	4,080		
Population to the Square Mile	4.60		



Area of, in Square Miles	1,830
Births	258
Birth Rate per 1,000 of population	30.6
Deaths	132
Death Rate per 1,000 of population	15.6
Infantile Mortality per 1,000 of population	162

*Estimated Population of the Colony*

Estimated Population of Males	31,199	} 63,390
Estimated Population of Females	32,191	
Population to the Square Mile	7.37	
Area of, in Square Miles	8,598	
Births	2,031	
Birth Rate per 1,000 of population	32.0	
Deaths	1,153	
Death Rate per 1,000 of population	18.2	
Infantile Mortality for the Colony	= 137.4 per 1,000 births	

Birth Rate per thousand for year under review and three previous years:

1944.....	32.6
1943.....	30.8
1942.....	30.8
1941.....	34.9

Death Rate per thousand for year under review and three previous years:

1944.....	18.2
1943.....	18.2
1942.....	20.2
1941.....	16.8

Proportion of Deaths registered by Medical Practitioners for year under review and three previous years:

1944.....	45.19
1943.....	50.96
1942.....	42.46
1941.....	45.83

Infantile Mortality Rate for year under review and three previous years:

1944.....	137
1943.....	130
1942.....	158
1941.....	123

INFANTILE MORTALITY.

(City of Belize)

2. The registration of Births and Deaths are tabulated by District — and the District of Belize includes the City of Belize and several villages scattered over an area of more than 1600 square miles. To discover the birth rate and death rate in the city therefore, each individual entry has to be extracted with reference to its origin.

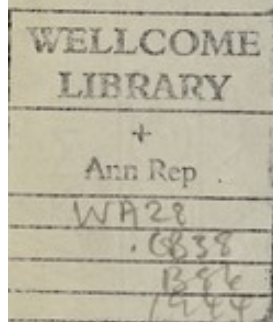
After such a search the following information is obtained:

Number of Births in the City of Belize.....	728
Number of Deaths of Infants under one year of age .....	58
Infantile Mortality Rate for the City of Belize is therefore eighty per thousand births.	

If we further examine the figure of "Deaths of Infants under one year" in Belize we can divide it into children who died at one month or younger—the Neo-Natal, and children who died after one month, but at one year or under.

The Neo-Natal Deaths = 24.

It follows that of the 728 children born in the City of Belize during the year under review, 704 were alive one month after birth—728 minus 24 = 704.





No Neo-Natal children are accepted at the Infant Welfare Clinics,—therefore all the 704 children remaining alive one month after birth had the opportunity of receiving attention at these Clinics. By actual count—491 of the 704, that is, seven of every ten attended the Clinics.

Of these 491 Clinic Children twelve died, giving a mortality rate of 24 per 1,000. Of those who did NOT attend the Clinics to the number of 213 children—22 died, giving a mortality rate of 103.

It was next our duty to examine the economic circumstances of the twenty-two NON CLINIC families who had lost infants above Neo-Natal ages. Only one of these families was in good economic circumstances; the others could be classed as too ignorant, careless, destitute or disunited.

A figure of Infantile Deaths of 24 per 1,000 speaks for itself. It is eloquent of the work of the Infant Welfare Clinics.

In my report of 1943 I said, speaking of the work of the Clinics and the Health Visiting Nurses, "There is good reason to assume that the net results of many years of endeavour have coincided with the appearance of these Nurses." But these results, good as they are, cannot be repeated unless the Visiting Nursing Staff remains at full strength; there is every indication however, that for several reasons there will be a depletion rather than a strengthening of this branch of the Nursing Service.

The Ante-Natal histories of all mothers who lost children in the Neo-Natal age group were also examined and the conclusion was reached that in quite a high proportion the Ante-Natal history of the mother conditioned the Neo-Natal death. This Ante-Natal history was quite often not solely one of individual but of social pathology—for example, macrocytic anaemia of pregnancy may be due directly to long continued malnutrition.

3. The STILL BIRTHS REGISTERED for the Colony were eighty-three compared to seventy-six in the previous year—

1942	1943	1944
61	76	83

#### *Communicable Diseases.*

##### *4. Tuberculosis.*

The numbers of cases notified during the year under Review and two previous years were:

1942	1943	1944
31	44	43

The number of deaths from the disease during the year under review and two previous years:

1942	1943	1944
31	44	29

I believe that the classical sanatorium treatment for pulmonary tuberculosis is an ideal which is not applicable, because of its poverty, to the circumstances of the Colony. I think the approach should be that of radiological examination of the chests of the entire population and the hospitalization for surgery of those few who are so advanced as to need this drastic treatment in a ward built for that purpose. Those who survive this ward and those who are found positive radiologically should then be treated with one of the new anti-biotics or synthetics in an institution partaking somewhat of the nature of a convalescent home *cum* sanatorium. It is true the anti-biotic or synthetic of choice does not yet exist—but the promise of their advent is certainly brighter than the hope of social prophylaxis in the shape of good housing and good nutrition.

##### *Typhoid Fever.*

Five cases of typhoid fever were notified in Corozal Town during the year, two cases in El Cayo and sixteen in Belize. This is a grave portent especially to Belize. The disposal of sewage in Belize is so primitive that, should typhoid occur to any extent in the city, it would be impossible to eradicate it unless the system of sewage disposal were changed.

Owing to prolonged drought the water supply of Belize, that is, rain water in vats and tanks from roof catchments was exhausted and a supply was obtained from the Belize River at a point twenty miles as the fish swims from Belize. The water was towed down



in iron barges and then pumped into the City tanks. The water was adequately chlorinated before distribution to the tanks.

The effects of the war have been increasingly felt in matters of water sanitation in Belize. For a long time it was impossible to buy new vats or even to repair old vats—since the materials could not be imported. The same applies to wire screening for screening vat tops. It was impossible to insist that every new house should have a properly screened vat of adequate capacity—none could be obtained. The general conditions of the vats steadily deteriorated—and with it a rise in the mosquito population. It will be an appreciable time after materials are readily available again at a reasonable price before the vats in Belize are again in the condition they were before the outbreak of war.

#### *Housing.*

5. In my report of 1943 — I said, "The housing situation in Belize remains a dire problem. For years this problem has given great concern—but it has now reached critical proportions—it is not only workers' houses, but houses for all classes that are needed." The position has not improved during the year under review. Prompted by the need for building material, a sample of clay was sent to an industrial organisation in Trinidad specialising in the manufacture of bricks, tiles and other clay products. The sample was found to be of excellent quality for brick making. Work was begun and continued steadily on the preparation of an area nearly forty acres of swamp by hydraulic filling for the construction of a new suburb of the city—for, as was mentioned before, land for housing projects cannot be bought but must be made by expensive hydraulic dredging.

A representative Committee—the Housing and Slum Clearance Committee—was appointed to study the problem of housing in Belize in all its aspects and to prepare data for the Town Planning Adviser to the Comptroller for Development and Welfare when he visited the City.

A detailed survey of one section of the City was undertaken and it was still in progress at the end of the year under review. Sufficient information had been accumulated however, to give the following data.

Area surveyed .....	84.2 acres
Population in area surveyed .....	7,379
Average Population per acre .....	87.6
Number of dwellings .....	1,270
Average per dwelling .....	5.81

#### *Labour Unit*

6. On 5th June, 1944, recruiting was started for a labour unit for work in the United States of America. A total of 1204 men were finally selected. Physical examination was done by a member of the United States Public Health Service and by members of the Medical Department's Staff. The physical standard acceptable was less rigorous than that applied to the unit which was sent to Scotland. It was not possible to X-Ray the chests of the men accepted as our X-Ray machine had broken down and replacement parts were not available. Lest the workers should not be acceptable to the United States Public Health Service without X-Ray examinations, a Medical Officer—a Radiologist—was sent to Guatemala City to advise on a second-hand X-Ray machine then on the market. He advised against it. Fortunately however, the American authorities did not insist on X-Ray of the chest.

The men selected left the Colony in July.

Kahn reaction tests were done on all applicants—and the percentage of positive reactors (in round numbers) was four per cent.

The following table shows the number rejected and the reasons for rejection—

Underweight .....	108
Syphilis .....	45
Organic Diseases .....	36
V. D. other than Syphilis .....	18
Hernia .....	4
Bad Teeth .....	8
Pulmonary Tuberculosis .....	7
Other Causes .....	29



7. In September the Medical Officer who had been sent the year previous to take a course of post-graduate training in Public Health returned to the Colony and resumed duty. The financial arrangements regarding this course was that the Officer's salary should be paid by this Government while he was on study-leave abroad; but the tuition and examination fees and a monthly stipend were provided by the generosity of the Rockefeller Foundation.

As was mentioned in my report of last year the post-graduate education of this Officer was with the purpose that he should undertake the design and administration of a Public Health Centre in a rural settlement. For the reasons mentioned this programme could not be proceeded with; nor could the other schemes mentioned in the final paragraph of the 1943 Report.

8. The Medical Officer's arrival, however, coincided with the formation of the first class of student nurses organized as a class under the new system of training brought into being for the first time in the year under review. The Medical Officer therefore had the duty of giving systematic courses of lectures and generally training the nurses with special reference to Hygiene. This course of training continued for several months before the students were sent to the wards. Included in this class of student nurses were four rural nurses who were the first of a new service.

These rural nurses were all trained midwives, and were to receive a further year's training in the Belize Hospital in general nursing as well as a systematic course of training in Hygiene especially as applied to village life. They also accompanied the Medical Officer on visits to neighbouring villages.

9. In November the Senior Medical Officer was invited to a conference jointly arranged by the Comptroller for Development and Welfare and the United States Public Health Service on the problem of Venereal Diseases in the West Indies. The opportunity was taken of discussing the plans for the new Hospital for Belize with the Medical Adviser to the Comptroller and Mr. Gray, an Architect of Watkins and Partners (Architects) of London. The latter had visited Belize some months previously to make preliminary plans.

10. The Government of the Republic of Guatemala invited the Government of this Colony to send two nurses to undergo training in Public Health. This generous invitation appeared to be a resultant of a scheme for the training of nurses as Health Visitors in Guatemala which scheme was somehow connected with international good-neighbour relations. Two nurses were sent to take the course arranged. They left in July and returned in November, considerably benefitted by their stay.

11. Two Sanitary Inspectors were sent in July to the School for Sanitary Inspectors in Jamaica run under the joint auspices of the Colonial Development and Welfare Organisation and the Rockefeller Foundation.

By an agreement mutually agreeable to the Belize City Council and the Medical Department, the responsibility for the inspection of meat at the Belize Slaughter House was handed over by the Council to the Department.

Through the co-operation of the Municipality of the City of Kingston, Jamaica, a Sanitary Inspector from the Medical Department was sent from Belize to Kingston for intensive training in meat inspection under the Veterinary Surgeon—Manager of the Kingston Abattoir. The course of training was scheduled to last about three months.

12. A Nurse who had been sent under a Colonial Development and Welfare Scheme for training as Laboratory Technician to British Guiana—was transferred to the Laboratories of the Caribbean Medical Centre in Port-of-Spain, Trinidad, for further training.

In the Annual Report of 1943 there is a reference to a Nurse, a member of our Nursing Staff, who was being trained in the Merrill-Palmer School in Detroit in Child Welfare. This training was designed to fit the nurse to take charge of a Infant Welfare Creche. The nurse completed her training and returned in July 1944—but our Creche is not yet in being and the hopes of its realisation are still faint. The planning of the training of Staff for future needs and the provision of the facilities for the Staff to work in when they are trained almost partakes of the nature of a game of chance where the odds against placing of appropriately trained personnel in appropriate circumstances and equipment at the proper time, are enormous.

13. In August 1944 the system of feeding poor children in schools of Belize was changed. Formerly, selected poor children received evaporated milk. It was felt that a



more substantial meal, even if it were lacking in the ideal quantity and quality, would be more serviceable than a tin of milk. No organisation was available for the preparation and distribution of hot meals, therefore, arrangements were made with a city restaurateur whereby approximately one hundred children were given a hot meal at mid-day. One of the schools which, through the Church organisation, had been feeding their own poor children was subsidised so as to extend the benefits of their service to other children.

#### Legislation

14. Statutory Rules and Orders No. 7 of 1944—Importation of Dogs—was passed.

#### Finance

15. *Receipts*—Hospital and Mental Hospital—\$10,587

#### *Expenditure*—

(1) Personal Emoluments .. ..	\$63,183.02
(2) Other Charges .. ..	83,177.71
(3) Other Charges (Health) .. ..	27,205.44

Total expenditure of Department .. .. \$173,566.17

Total expenditure of Colony .. .. \$2,463,786.08

The total expenditure of the Department was 7.04 per cent of the total expenditure of the Colony.

16. The following table shows the average daily number of patients and the cost of dieting of the various hospitals and institutions:—

Institution	Total Expenditure in Dollars	Average daily number of Patients	Cost per Head per diem in cents
Belize Hospital ..	9,528.70	94.82	27
Mental Hospital and Poor Houses ..	10,631.49	123.06	23
Corozal Hospital ..	1,850.27	16.50	30
Orange Walk Hospital ..	1,105.64	8.30	36
Cayo Hospital ..	1,923.55	13.53	38
Stann Creek Hospital ..	1,663.58	19.00	24
Toledo Hospital ..	2,000.56	15.70	34

17. *Maternity Ward—Belize Hospital.*

1941		1942		1943		1944	
Adm.	Births	Adm.	Births	Adm.	Births	Adm.	Births
614	257	614	277	443	343	507	424

It will be noticed that within the space of four years the numbers of babies born in the Maternity Ward of the Belize Hospital increased by 65%. This also means that more than half of all the babies born in the city were born in a ward which was designed to have fourteen beds but which has been known to have twenty-three crammed into it.

The number of cases booked for delivery was 504—and these cases made 1662 visits to the Hospital Ante-Natal Clinic. The 424 babies delivered consisted of 363 full term live births—31 premature births and 25 still born and 6 abortions.

The maternal deaths were five—the causes being of each from Toxaemia, Placenta Praevia, Puerperal Septicaemia, Post-partum haemorrhage, Eclampsia.

All ante-natal cases had Kahn reactions done—the number of positive Kahn cases was twelve giving a syphilis rate of 2½% in this group of mothers—compare paragraph (6) where a group of labourers gave a syphilis rate of 4%.

The Public Ante-Natal Clinic (that is, a clinic where midwives are encouraged to bring their cases for Ante-Natal attention—cases which will subsequently be delivered in their own homes) was attended by 184 new cases—during the year. Each case made several visits. A Kahn test was done on each case and the percentage of Positive reactors was 5%.



All cases of Positive Kahn reaction were urged to attend the Venereal Diseases Clinics—and the majority did.

18. The Out-Door Relief Committee of which the Senior Medical Officer is Chairman spent \$29,229—on the relief of 844 indigent persons during the year under review.

19. It is with great regret that the fact is recorded that the medical inspection of school children could not be restarted. Work was continued in a limited degree both in Belize and the Districts of dental care by two dentists.

20. *Belize Hospital.*

1941		1942		1943		1944	
Adm.	Deaths	Adm.	Deaths	Adm.	Deaths	Adm.	Deaths
1810	80	1985	121	2507	143	2573	122

*District Hospitals.*

		1941		1942		1943		1944	
		Adm.	Deaths	Adm.	Deaths	Adm.	Deaths	Adm.	Deaths
Corozal	.. ..	309	22	469	28	517	32	563	20
Orange Walk	.. ..	149	7	187	19	249	12	270	8
El Cayo	.. ..	247	14	325	13	348	15	344	23
Stann Creek	.. ..	576	22	533	34	569	24	660	36
Toledo	.. ..	498	19	345	9	359	8	458	10

21. *Out-Patients:* The following table shows the figures in connexion with the out-patients department for the years 1942-44 for the Belize Hospital:—

				<i>Out-patients</i>	<i>Casualty Dressings</i>	<i>Attendance at V. D. Clinics</i>	<i>Dental Treatment</i>
1942	..	..	..	58,354	7,426	1,998	1,807
1943	..	..	..	33,573	9,062	1,586	2,114
1944	..	..	..	28,140	7,886	2,956	1,696

Eye Clinic	—	365	(1944)
Minor Operations	—	62	(1944)
Police Cases	—	225	(1944)

22. *Surgery:* During the year 285 Major Operations were performed and 258 Minor. The following table shows the categories of operations performed and anaesthetics given:—

OPERATIONS:					ANAESTHETICS:				
Abdominal	..	..	..	.. 160	General	..	..	..	.. 299
Gynaecological	..	..	..	.. 60	Spinal	..	..	..	.. 52
Genito Urinary	..	..	..	.. 50	Local	..	..	..	.. 105
Ano Rectal	..	..	..	.. 25	Intravenous	..	..	..	.. 25
Orthopaedic	..	..	..	.. 65	Sacral	..	..	..	.. 3
Oto Rhinolarynocal	..	..	..	.. 25	Rectal	..	..	..	.. 1
Ophthalmic	..	..	..	.. 38	Ethyl Chloride	..	..	..	—
Miscellaneous	..	..	..	.. 45	Nil	..	..	..	.. 58
543					543				

23. Dr. B. M. Hulse arrived from England on the 1st September, 1944, and assumed duty as Government Medical Officer.

24. Dr. J. A. Gillett arrived from the United States of America on 15th September, 1944.



25. Dr. S. H. Wharton went on twenty-one days' Departmental Leave—August-September, 1944. Relieved by Dr Degazon.

26. Dr. Patterson granted Departmental Leave in December. He was relieved by Dr. Rassim.

27. Dr. Perez was appointed Temporary Medical Officer on the 18th April and he relinquished the post on the 15th August, 1944.

28. Dr. George was appointed Temporary Medical Officer on the 16th August to 30th September, 1944.

29. Dr. Sparrow granted Departmental Leave on 18th July, 1944. He was relieved by Dr. Degazon.

VERNON F. ANDERSON,

Senior Medical Officer.

1941	1942	1943	1944
309	22	160	28
149	7	187	19
247	14	325	13
276	22	331	34
498	19	345	9
528	22	360	24
660	36	660	36
458	19	458	19

The following table shows the figures in connection with the out-patient department for the years 1941-44 for the Health Hospital—

Year	Out-patients	Clinical Examinations	Distance or P. O. Treatment
1941	28,140	7,880	2,936
1942	32,273	9,002	3,202
1943	28,354	7,450	2,807

Police Cases	255 (1944)
Minor Operations	67 (1944)
Eye Clinic	362 (1944)

22. Surgery: During the year 282 Major Operations were performed and 238 Minor. The following table shows the categories of operations performed and anaesthetics given:—

OPERATIONS		ANESTHETICS	
Abdominal	100	General	100
Gynaecological	60	Spinal	60
Genito Urinary	30	Local	30
Ano Rectal	25	Intubation	25
Orthopaedic	65	Sedative	65
Oto Rhinolaryngeal	25	Rectal	25
Ophthalmic	38	Amid Chlorine	38
Miscellaneous	45		45
	343		343

23. Dr. B. M. Hulse arrived from England on the 1st September, 1944, and assumed duty as Government Medical Officer.

24. Dr. J. A. Cullen arrived from the United States of America on 15th September, 1944.





## IN-PATIENTS AND OUT-PATIENTS MORBIDITY AND MORTALITY REPORT—1944

DISEASES		BELIZE	TOLEDO	STANN	CAYO	ORANGE	COROZAL	DEATHS
		In- patients	In- patients	CREEK In- patients	In- patients	WALK In- patients	In- patients	In Hospitals
INFECTIOUS AND PARASITIC DISEASES (1-44)								
1.	Typhoid Fever .. .. .	16	—	—	2	—	5	5
6.	Cerebro-spinal (Meningo-occal) Meningitis ..	1	—	—	—	—	2	—
7.	Malignant Pustule and Anthrax .. .. .	—	—	—	—	—	—	—
8.	Scarlet Fever .. .. .	3	—	—	—	—	—	—
9.	Whooping Cough .. .. .	1	12	—	—	—	—	—
10.	Diphtheria .. .. .	4	2	—	—	—	—	3
11.	Erysipelas .. .. .	2	1	—	—	—	—	—
12.	Tetanus .. .. .	3	1	1	—	—	1	1
13.	Tuberculosis of the Respiratory System .. ..	9	17	2	1	2	4	12
14.	Tuberculosis of the Meninges and Central Nervous System	1	—	—	—	—	—	—
15.	Tuberculosis of the Intestines and Peritoneum ..	—	—	—	—	—	—	—
16.	Tuberculosis of the Vertebral Column .. .. .	1	1	—	—	—	—	—
17.	Tuberculosis of Other Bones and Joints .. ..	1	—	—	—	—	—	—
21.	Tuberculosis of Other Organs .. .. .	—	—	—	—	—	—	—
22.	Disseminated Tuberculosis .. .. .	1	—	—	—	—	1	1
24.	Purulent Infection and Septicaemia .. .. .	—	—	—	—	—	—	—
25.	Gonococcal Infections .. .. .	—	—	—	—	—	—	—
27.	Dysentery .. .. .	130	—	3	1	—	3	1
	a. Bacillary Dysentery .. .. .	19	23	20	9	2	5	19
	b. Amoebic Dysentery .. .. .	18	9	22	14	4	19	5
	d. Other or unspecified forms of Dysentery ..	7	3	24	24	1	4	14
	a. Benign Tertian Fever (B.T.) .. .. .	16	8	7	8	4	6	5
	b. Quartan .. .. .	67	16	—	10	—	—	1
	d. Other or unspecified forms of Dysentery ..	42	3496	219	53	36	133	30
28.	Malaria .. .. .	—	168	814	29	13	37	127
	a. Benign Tertian Fever (B.T.) .. .. .	—	—	—	7	20	—	392
	b. Quartan .. .. .	—	—	—	—	—	—	14
	c. Malignant Terian (M.T.) .. .. .	8	—	—	—	17	72	25
	d. Unspecified .. .. .	169	8	2	—	—	—	153
29.	Other Diseases due to Parasitic Protozoa except Spirichaeates	15	—	—	72	—	—	22
30.	Syphilis .. .. .	13	1	14	26	—	—	65
	a. Congenital Syphilis .. .. .	5	8	—	3	—	—	—
	Other Diseases due to Spirochaetes .. .. .	3	2	—	1	—	—	—
32.	Influenza .. .. .	2	—	—	—	—	—	—
33.	Smallpox—Alastrim .. .. .	37	—	—	—	3	10	13
34.	Measles .. .. .	46	—	—	—	—	—	18
35.	Acute Poliomyelitis and Polioencephalitis ..	2	—	—	—	—	—	—
36.	Other Diseases due to Viruses .. .. .	1	—	—	—	—	—	—
38.	a. Yellow Fever .. .. .	—	—	—	—	—	—	—
	b. Rabies .. .. .	—	—	—	—	—	—	—
	c. Herpes Zoster .. .. .	—	—	—	—	—	—	—
	d. German Measles .. .. .	—	—	—	—	—	—	—



[illegible]

# DISEASES

## V. CHRONIC POISONING AND INTOXICATION (77-79).

- 77. Alcoholism .. .. .
- 78. Lead Poisoning .. .. .
- 79. Chronic Poisoning by Other Mineral and Organic Substances .. .. .

## VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS (80-89).

- 80. Encephalitis (non-epidemic) .. .. .
- 81. Meningitis (Non-meningococcal) .. .. .
- 82. Diseases of the Medulla and Spinal Cord .. .. .
- 83. Intra-cranial Lesions of Vascular Origin .. .. .
- 84. Mental Disorders and Deficiency .. .. .
- 85. Epilepsy .. .. .
- 86. Convulsions in children under 5 years of age .. .. .
- 87. Other Diseases of the Nervous System .. .. .
- 88. Diseases of the Organs of Vision .. .. .
- 89. Diseases of the Ear and of the Mastoid Antrum .. .. .

## VII. DISEASES OF THE CIRCULATORY SYSTEM (90-103).

- 90. Pericarditis .. .. .
- 91. Acute Endocarditis .. .. .
- 92. Chronic Affection of the Valves and Endocardium .. .. .
- 93. Diseases of the Myocardium .. .. .
- 94. Diseases of the Coronary Arteries, Angina Pectoris .. .. .
- 95. Other Diseases of the Heart .. .. .
- 97. Arteriosclerosis (excluding Renal Sclerosis or Cerebral Haemorrhage) .. .. .
- 98. Gangrene .. .. .
- 99. Other Diseases of the Arteries .. .. .
- 100. Diseases of the Veins .. .. .
- 101. Diseases of the Lymphatic System .. .. .
- 102. High Blood Pressure .. .. .
- 103. Other Diseases of the Circulatory System .. .. .

## VIII. DISEASES OF THE RESPIRATORY SYSTEM (104-114).

- 104. Diseases of the Nasal Fossae and Annexa .. .. .
- 105. Diseases of the Larynx .. .. .
- 106. Bronchitis .. .. .
- 107. Broncho-pneumonia .. .. .
- 108. Lobar Pneumonia .. .. .
- 109. Pneumonia (Unspecified) .. .. .
- 110. Pleurisy .. .. .

	BELIZE	TOLEDO	STANN CREEK	CAYO	ORANGE WALK	COROZAL	DEATHS in Hospitals
	In- Out- patients	In- Out- patients	In- Out- patients	In- Out- patients	In- Out- patients	In- Out- patients	
77. Alcoholism .. .. .	2 —	— —	1 —	2 —	— —	9 —	— —
78. Lead Poisoning .. .. .	— —	— —	— —	— —	— —	— —	— —
79. Chronic Poisoning by Other Mineral and Organic Substances .. .. .	2 1	— —	1 —	— —	— —	1 —	— —
80. Encephalitis (non-epidemic) .. .. .	4 —	— —	— —	— —	1 1	— —	1 6
81. Meningitis (Non-meningococcal) .. .. .	5 —	— —	1 1	1 —	— —	— —	2 2
82. Diseases of the Medulla and Spinal Cord .. .. .	— —	— —	— —	— —	— —	— —	2 2
83. Intra-cranial Lesions of Vascular Origin .. .. .	2 7	— —	1 1	2 2	1 1	2 —	— —
84. Mental Disorders and Deficiency .. .. .	15 95	— —	1 1	1 2	— —	— —	— —
85. Epilepsy .. .. .	4 18	— —	— —	2 3	— —	— —	— —
86. Convulsions in children under 5 years of age .. .. .	7 —	— —	— —	— —	— —	— —	— —
87. Other Diseases of the Nervous System .. .. .	20 61	— —	1 —	122	— —	1 8	1 —
88. Diseases of the Organs of Vision .. .. .	42 182	— —	5 23	— —	1 2	2 16	— —
89. Diseases of the Ear and of the Mastoid Antrum .. .. .	20 135	4 65	4 15	— —	— —	7 34	— —
90. Pericarditis .. .. .	2 —	— —	— —	— —	— —	— —	— —
91. Acute Endocarditis .. .. .	1 5	— —	— —	— —	— —	— —	1 —
92. Chronic Affection of the Valves and Endocardium .. .. .	2 6	4 4	3 —	1 —	2 —	— —	2 2
93. Diseases of the Myocardium .. .. .	7 16	4 17	7 15	1 6	— —	5 —	7 7
94. Diseases of the Coronary Arteries, Angina Pectoris .. .. .	2 9	— —	— —	— —	— —	— —	2 2
95. Other Diseases of the Heart .. .. .	7 —	— —	— —	3 —	— —	3 —	3 2
97. Arteriosclerosis (excluding Renal Sclerosis or Cerebral Haemorrhage) .. .. .	1 9	— —	3 —	— —	— —	— —	— —
98. Gangrene .. .. .	4 2	1 —	— —	— —	— —	— —	— —
99. Other Diseases of the Arteries .. .. .	5 —	— —	— —	— —	— —	— —	— —
100. Diseases of the Veins .. .. .	— —	— —	— —	— —	— —	— —	— —
101. Diseases of the Lymphatic System .. .. .	22 —	1 1	4 5	2 7	1 2	2 7	2 2
102. High Blood Pressure .. .. .	1 72	3 3	— —	3 15	— —	2 6	— —
103. Other Diseases of the Circulatory System .. .. .	4 29	— —	— —	— —	— —	— —	— —
104. Diseases of the Nasal Fossae and Annexa .. .. .	6 1025	— —	— —	— —	— —	— —	— —
105. Diseases of the Larynx .. .. .	6 3	11 —	— —	14 —	1 44	53 —	— 2
106. Bronchitis .. .. .	32 571	21 578	17 68	10 197	10 40	9 85	— 3
107. Broncho-pneumonia .. .. .	4 —	8 7	4 —	3 4	16 1	17 3	10 9
108. Lobar Pneumonia .. .. .	8 8	9 2	27 12	7 51	4 —	26 19	— —
109. Pneumonia (Unspecified) .. .. .	20 7	— —	2 —	7 —	— —	— —	— —
110. Pleurisy .. .. .	9 —	4 37	— —	— —	— —	— —	— —



[illegible]

# DISEASES

	BELIZE	TOLEDO	STANN CREEK	CAYO	ORANGE WALK	COROZAL	DEATHS in Hospitals
	In- patients	In- patients	In- patients	In- patients	In- patients	In- patients	
146. Haemorrhage of Childbirth and the Puerperium .. .. .	1	2	1	—	—	3	3
a. Placenta praevia (with childbirth) .. .. .	1	—	—	—	—	2	1
147. Infection during childbirth and the Puerperium .. .. .	2	1	—	—	—	17	2
148. Puerperal Toxaemias .. .. .	—	2	—	—	1	1	—
149. Other accidents of childbirth .. .. .	—	—	53	2	19	6	1
150. Other or Unspecified Conditions of Childbirth and the Puerperal State .. .. .	421	2	14	6	21	11	4
XII. DISEASES OF THE SKIN AND CELLULAR TISSUE (151-153).							
151. Carbuncle, Boils .. .. .	8	7	11	—	1	1	2
152. Cellulitis, Acute Abscess .. .. .	32	26	7	7	3	12	—
153. Other diseases of the Skin and Cellular Tissue .. .. .	42	16	8	7	29	28	—
XIII. DISEASES OF THE BONES AND ORGANS OF MOVEMENT (154-156).							
154. Osteomyelitis and Periostitis .. .. .	7	—	2	—	—	1	—
155. Other diseases of the Bones .. .. .	3	3	—	—	—	2	—
156. Diseases of the Joints and other organs of Movement .. .. .	22	5	1	3	—	7	—
XIV. CONGENITAL MALFORMATIONS.							
157. Congenital Malformation .. .. .	1	—	1	—	—	—	1
XV. DISEASES PECULIAR TO FIRST YEAR OF LIFE (158-161).							
158. Congenital Debility .. .. .	3	—	—	—	—	—	—
159. Premature Birth .. .. .	10	—	4	2	1	—	—
160. Injury at Birth .. .. .	—	1	1	—	—	—	—
161. Other diseases peculiar to the First Year of Life .. .. .	390	—	3	2	1	1	7
XVI. SENILITY, OLD AGE.							
162. Senility, Old Age .. .. .	7	1	—	1	2	4	1
XVII. DEATHS FROM VIOLENCE (163-198).							
163. Suicide by Poisoning .. .. .	—	—	—	—	—	—	—
164. Other forms of suicide (attempted) .. .. .	1	—	—	—	—	—	—
165. Infanticide (Infants under one year) .. .. .	—	—	—	—	—	—	—
166. Homicide by Firearms .. .. .	—	—	—	—	—	—	—
167. Homicide by cutting or Piercing Instruments .. .. .	—	—	—	—	—	—	—
168. Homicide by other or Unspecified means .. .. .	—	—	—	—	—	—	—
170. Motor Vehicle Accidents (any cause of death except war) .. .. .	—	—	—	—	—	—	—
171. Other road transport accidents (any cause of death except war) .. .. .	—	—	—	—	—	—	—



172.	Water Transport Accidents (any cause of death except war)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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## XVIII. ILL-DEFINED CAUSES OF DEATH.

[illegible]





