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CORNWALL COUNTY COUNCIL.

REPORT

OF THE

Medical Officer of Health

FOR THE YEAR 1923

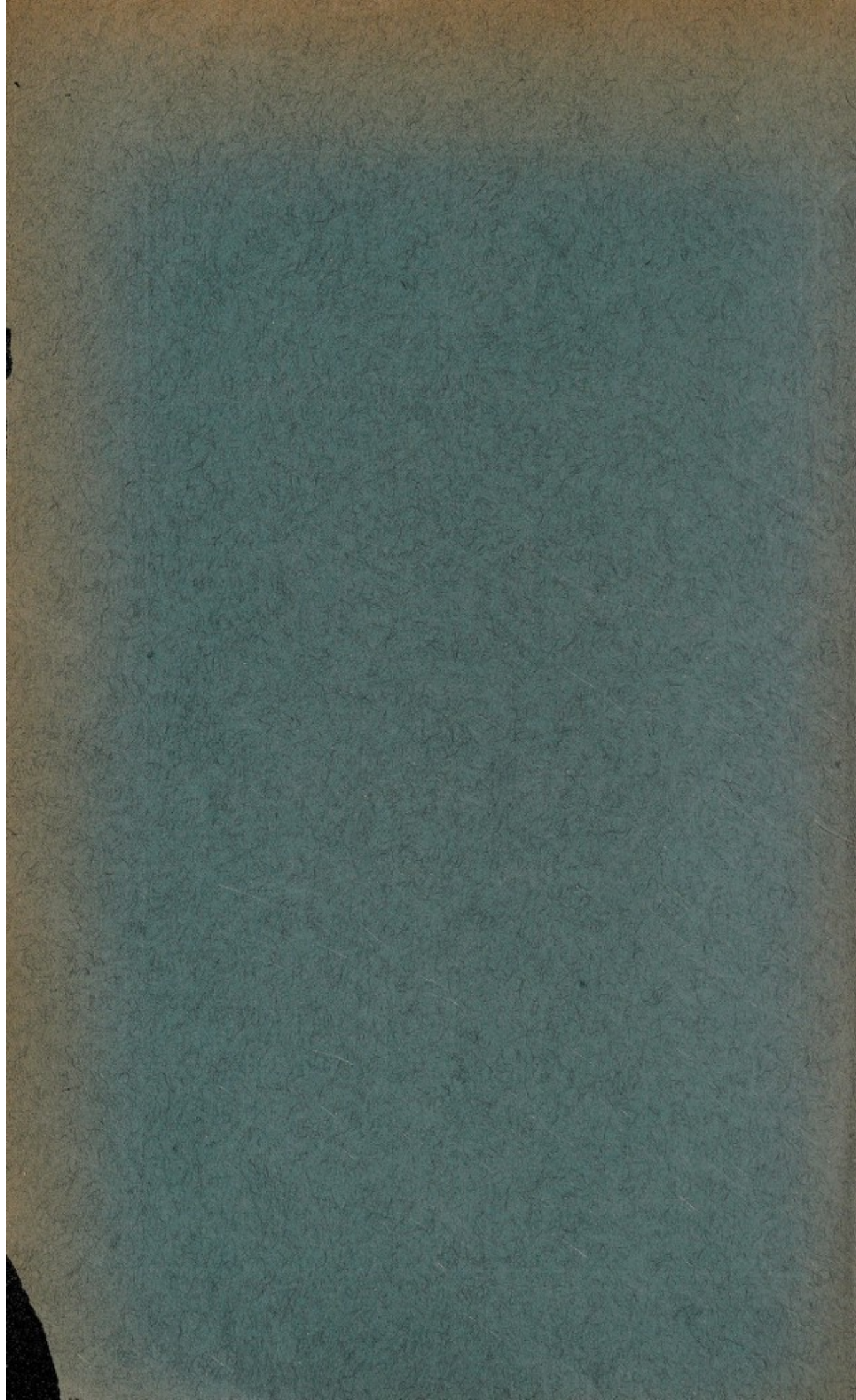
BY

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1924.



REPORT FOR THE YEAR 1923.

STATISTICS.

(See also Tables I. to IV. at the end of the Report.)

Area. 868,167 acres. Urban 58,377 acres, and Rural 809,790 acres. In the Rural is included 4,041 acres in the Isles of Scilly.

Population. 317,500. The death rate is calculated on a population of 317,095. Previous reports (including the population of the Isles of Scilly, 1,695 in the year 1923) :—

| | Males. | Females. | Persons. | Private Families. |
|------|---------|----------|----------|-------------------|
| 1891 | 149,259 | 173,312 | 322,571 | — |
| 1901 | 149,937 | 172,397 | 322,334 | 74,595 |
| 1911 | 151,614 | 176,484 | 328,098 | 79,340 |
| 1921 | 147,463 | 173,242 | 320,705 | 79,820 |

Other information for 1921 :—

| | | | |
|------------------|-----|-----|---------|
| Persons per acre | ... | ... | 0.4 |
| Rooms occupied | ... | ... | 427,610 |
| Rooms per person | ... | ... | 1.39 |

Occupations. Males. According to the 1921 census agricultural occupations form by far the largest group in the County. The number of males thus employed was 25,931.

Only 2,775 men were given as fishermen.

9,108 were engaged in mining and quarrying and 5,993 in metal work.

Females. Out of 65,784 married females 3,115 are employed, and of these 1,373 are employed in personal service, and very few are engaged in industrial occupations.

Of 58,062 single females 26,281 are employed, 12,640 of them in personal service, 3,676 in commercial and financial occupations.

Of 18,313 widows only 3,336 are employed, chiefly in personal service.

Births. 5,459, a birth rate of 17.28 per thousand persons living.

Previous Rates :—

| | | | Cornwall. | England and Wales. |
|------|-----|-----|-----------|--------------------|
| 1882 | ... | ... | 29.87 | 33.8 |
| 1914 | ... | ... | 19.51 | 23.8 |
| 1919 | ... | ... | 15.25 | 18.5 |
| 1920 | ... | ... | 21.93 | 25.5 |
| 1921 | ... | ... | 19.57 | 22.4 |
| 1922 | ... | ... | 17.75 | 20.4 |
| 1923 | ... | ... | 17.28 | 19.7 |

Deaths. There were 4,219 deaths, a rate of 13.38.

The following are the crude death rates for previous years :—

| | | | Cornwall. | England and Wales. |
|------|-----|-----|-----------|--------------------|
| 1882 | ... | ... | 18.79 | 19.6 |
| 1900 | ... | ... | 16.45 | 18.2 |
| 1910 | ... | ... | 14.31 | 13.5 |
| 1920 | ... | ... | 13.15 | 12.4 |
| 1921 | ... | ... | 13.24 | 12.1 |
| 1922 | ... | ... | 14.17 | 12.8 |
| 1923 | ... | ... | 13.38 | 11.6 |

The standardised death rates for Cornwall are not available. The comparatively high crude rates are owing to the larger proportion of old persons in the population than in England and Wales.

Natural Increase. The excess of births over deaths was 1,240. In spite of this natural increase year after year the population of Cornwall is diminishing owing to emigration. The diminishing population and the falling birth rate result in a smaller number of children, and the school population is diminishing.

| | | | Children 5-14 years of age. |
|--------|------|-----|-----------------------------|
| Census | 1901 | ... | 59,789 |
| " | 1911 | ... | 55,441 |
| " | 1921 | ... | 49,556 |

Infant Mortality. 302 infants under one year of age died, an infant mortality rate of 55.32. This is the lowest rate recorded. The cool summer was favourable to a low rate. Previous rates :—

| | | | Cornwall. | England and Wales. |
|------|-----|-----|-----------|--------------------|
| 1892 | ... | ... | 134.18 | 148 |
| 1898 | ... | ... | 156.24 | 160 |
| 1900 | ... | ... | 126.19 | 154 |
| 1910 | ... | ... | 85.44 | 105 |
| 1920 | ... | ... | 59.50 | 80 |
| 1921 | ... | ... | 72.97 | 83 |
| 1922 | ... | ... | 68.20 | 77 |
| 1923 | ... | ... | 55.32 | 69 |

The rate for the urban districts was 52.93, and for the rural districts 57.07. Seven urban districts and two rural districts had no infant deaths.

Chief Causes of Death at all Ages.

| | | | Males. | Females. | Total. | p.c. of Deaths. |
|---------------------------|-----|-----|--------|----------|--------|-----------------|
| Heart disease | ... | ... | 282 | 338 | 620 | 14.7 |
| Cancer | ... | ... | 193 | 318 | 511 | 12.1 |
| Respiratory diseases | ... | ... | 239 | 229 | 468 | 11.1 |
| Tuberculosis | ... | ... | 208 | 155 | 363 | 8.6 |
| Cerebral Hæmorrhage, etc. | ... | ... | 151 | 212 | 363 | 8.6 |

The deaths from Heart Disease are chiefly in persons over 45 years of age. Of the 620 deaths, 41 were in persons under, and 579 in persons over 45 years of age; 145 at ages 45-65, 206 at 65-75, and 228 at ages over 75 years. Apart from Rheumatic Fever, it is often given as the cause of death in old persons.

The deaths from Cancer are also chiefly after the age of 45, 37 before and 474 after the age of 45 years, but there are more deaths between 45-65 than at later ages; 206 between 45-65, 152 between 65-75, and 116 at ages over 75. As usual there are more deaths of females than of males from Cancer.

Of the 1,466 male deaths over the age of 45 years, 182 or 12.4 per cent. were due to Cancer, and of the 1,735 female deaths over the age of 45 years, 292 or 16.8 per cent. were due to Cancer.

Respiratory Diseases. These deaths occur chiefly in the young and the aged.

Tuberculosis. Here the majority of the deaths are in persons under 45 years of age. 220 of the deaths are in persons 15-45, and 114 in persons 45 and over.

Further particulars of the ages at death can be seen in Table IV. at the end of the Report.

INFECTIOUS DISEASES.

Enteric Fever. 61 cases were notified. Last year 26 cases were notified. The increase in this year was caused by two epidemics due to milk infected by the milkers.

In Camborne and the surrounding district 19 cases, and in Penzance and the surrounding district 15 cases, were thus due to milk infection. There were also other cases due to the Penzance district epidemic, for instance 2 at Bodmin and 2 at Hammersmith, and probably others. The cases in Camborne were due to infected milk from the Redruth Rural District, and the cases in Penzance to infected milk from the West Penwith Rural District.

In Penzance cases of mild illness occurred which were not notified as Enteric Fever, and it is probable that some mild cases of Enteric Fever were overlooked.

Under the Public Health (Pneumonia, Malaria, Dysentery, etc.) Regulations, 1919, powers are given to the Medical Officer of Health to prevent carriers of the disease from preparing or handling food or drink for human consumption, but what is required is legislation making it illegal for anyone who has suffered from Enteric Fever handling food for human consumption until certified free from infection. At present there is nothing to prevent a carrier removing to a district where he is not known and engaging in milking of cows, with a possibility of a large epidemic due to infected milk.

Eight deaths were due to Enteric Fever, a death rate of 0.025. Previous reports :—

| | | No. of Notifications. | Death-rate Cornwall. | Death-rate England & Wales. |
|------|-----|--------------------------|-------------------------|--------------------------------|
| 1898 | ... | 219 | 0.10 | 0.181 |
| 1910 | ... | 52 | 0.02 | 0.053 |
| 1920 | ... | 22 | 0.015 | 0.014 |
| 1921 | ... | 31 | 0.02 | 0.016 |
| 1922 | ... | 26 | 0.02 | 0.012 |
| 1923 | ... | 61 | 0.02 | 0.01 approx. |

Notification Rates.

| | | | Cornwall. | England & Wales. |
|------|-----|-----|-----------|------------------|
| 1921 | ... | ... | 0.10 | 0.10 |
| 1922 | ... | ... | 0.08 | 0.06 |
| 1923 | ... | ... | 0.19 | — |

Diphtheria. There were 96 notifications, and four deaths, a death rate of 0.01. This is the lowest notification and death rate recorded for Cornwall. No doubt this result has been brought about chiefly by the development of immunity in the districts previously affected. It is possible that other areas may become affected, as it is improbable that all districts in the county have developed any considerable degree of immunity.

| | | No. of Notifications. | Death-rate Cornwall. | Death-rate England & Wales. |
|------|-----|--------------------------|-------------------------|--------------------------------|
| 1898 | ... | 143 | 0.10 | 0.24 |
| 1900 | ... | 117 | 0.09 | 0.29 |
| 1902 | ... | 254 | 0.17 | 0.23 |
| 1910 | ... | 390 | 0.12 | 0.12 |
| 1920 | ... | 883 | 0.19 | 0.15 |
| 1921 | ... | 581 | 0.09 | 0.12 |
| 1922 | ... | 186 | 0.05 | 0.01 |
| 1923 | ... | 96 | 0.01 | 0.07 |

Notification Rates.

| | | | Cornwall. | England & Wales. |
|------|-----|-----|-----------|------------------|
| 1921 | ... | ... | 1.87 | 1.76 |
| 1922 | ... | ... | 0.61 | 1.37 |
| 1923 | ... | ... | 0.30 | — |

Small-pox. There were no cases notified.

Tuberculosis. See separate heading.

Scarlet Fever. There were 297 notifications and no deaths.

| | No. of Notifications. | Death-rate Cornwall. | Death-rate England & Wales. |
|------|--------------------------|-------------------------|--------------------------------|
| 1898 | ... 533 | 0.02 | 0.11 |
| 1900 | ... 1,011 | 0.03 | 0.12 |
| 1910 | ... 555 | 0.02 | 0.06 |
| 1920 | ... 239 | 0.006 | — |
| 1921 | ... 249 | 0.003 | 0.03 |
| 1922 | ... 308 | 0 | 0.04 |
| 1923 | ... 297 | 0 | 0.03 |

Notification Rates.

| | Cornwall. | England & Wales. |
|------|-----------|------------------|
| 1921 | ... 0.79 | 3.64 |
| 1922 | ... 0.99 | 2.85 |
| 1923 | ... 0.94 | — |

Cerebro-Spinal Fever. Three cases were notified, and there were two deaths, a death rate of 0.006.

| | Cornwall. Notifications. | Death-rate. | England & Wales. Notifications. | Death-rate. |
|------|-----------------------------|-------------|------------------------------------|-------------|
| 1915 | ... 41 | 0.06 | 2,566 | 0.045 |
| 1916 | ... 16 | 0.026 | 1,306 | 0.026 |
| 1917 | ... 14 | 0.03 | 1,465 | 0.031 |
| 1918 | ... 4 | 0.01 | 798 | 0.018 |
| 1921 | ... 3 | 0.009 | 411 | 0.011 |
| 1922 | ... 1 | 0.006 | 344 | 0.009 |
| 1923 | ... 3 | 0.006 | — | — |

Notification Rates.

| | Cornwall. | England & Wales. |
|------|-----------|------------------|
| 1921 | ... 0.009 | 0.01 |
| 1922 | ... 0.003 | 0.01 |
| 1923 | ... 0.009 | — |

In England and Wales in 1920 the case mortality was 70.6 per cent. Cases notified in England and Wales in 1921 were 411, and in 1922 were 344.

Poliomyelitis.

| | | | Number of Notifications. | Death-rate. | Cases notified in England & Wales. |
|------|-----|-----|-----------------------------|-------------|---------------------------------------|
| 1911 | ... | ... | 24 | — | — |
| 1918 | ... | ... | 2 | — | 228 |
| 1919 | ... | ... | 24 | — | 539 |
| 1920 | ... | ... | 3 | 0.006 | 268 |
| 1921 | ... | ... | 24 | 0.013 | 488 |
| 1922 | ... | ... | 3 | 0.003 | 355 |
| 1923 | ... | ... | 0 | 0 | — |

Notification Rates.

| | | | Cornwall. | England & Wales. |
|------|-----|-----|-----------|------------------|
| 1921 | ... | ... | 0.07 | 0.01 |
| 1922 | ... | ... | 0.009 | 0.01 |
| 1923 | ... | ... | 0 | — |

In England and Wales in 1920 the case mortality
 was 10.4 p.c.
 Percentage of patients who recovered with
 permanent paralysis 42.9 p.c.
 Percentage of patients who recovered without
 permanent paralysis 46.7 p.c.

Encephalitis Lethargica. Nine cases were notified, all
 except one in rural districts. There were 10 deaths notified.

| Cornwall. | | | | | | England & Wales. | | |
|-----------|-----|-----------------|--------------------|---------|-------------|------------------|--------------------|-------------|
| | | Cases notified. | Notification rate. | Deaths. | Death rate. | Cases notified | Notification rate. | Death rate. |
| 1919 | ... | 6 | — | — | — | 524 | — | 0.008 |
| 1920 | ... | 6 | — | 4 | 0.01 | 844 | — | 0.013 |
| 1921 | ... | 3 | 0.009 | 2 | 0.006 | 1,470 | 0.039 | 0.019 |
| 1922 | ... | 7 | 0.022 | 4 | 0.013 | 454 | 0.012 | 0.009 |
| 1923 | ... | 9 | 0.028 | 10 | 0.032 | — | — | — |

In England and Wales in 1921 the case mortality was 49.3
 per cent. Mild cases may escape notification and thus increase
 the apparent case mortality.

Polioencephalitis. No case was notified, but there was one death in the county attributed to this disease. There were no cases in 1922. In 1921 there were three cases notified, with two deaths. In 1921 there were 51 cases notified in England and Wales.

Ophthalmia Neonatorum.

Puerperal Fever.

Diarrhœa, under 2 years.

See "Maternity and Child Welfare."

Erysipelas. 50 cases were notified, the smallest number recorded. Up to 1917 the number always exceeded 100. The number of deaths is not reported.

Measles. This is not now a notifiable disease. 26 deaths were attributed to this disease, with two exceptions in children under five years of age. The death rate in Cornwall is generally very much smaller than in England and Wales.

| | | | Death Rate. | |
|------|-----|-----|-------------|------------------|
| | | | Cornwall. | England & Wales. |
| 1892 | ... | ... | 0.067 | 0.46 |
| 1910 | ... | ... | 0.05 | 0.23 |
| 1920 | ... | ... | 0.03 | 0.19 |
| 1921 | ... | ... | 0.057 | 0.06 |
| 1922 | ... | ... | 0.009 | 0.15 |
| 1923 | ... | ... | 0.082 | 0.14 |

Influenza. This is not a notifiable disease unless it is complicated by pneumonia. There were 74 deaths.

| | | | Death Rate. | |
|------|-----|-----|-------------|------------------|
| | | | Cornwall. | England & Wales. |
| 1918 | ... | ... | 2.098 | 3.129 |
| 1919 | ... | ... | 0.79 | 1.217 |
| 1920 | ... | ... | 0.16 | 0.283 |
| 1921 | ... | ... | 0.10 | 0.237 |
| 1922 | ... | ... | 0.46 | 0.563 |
| 1923 | ... | ... | 0.23 | 0.22 |

Whooping Cough. This is not a notifiable disease. 16 deaths were attributed to this disease.

| | | | Death Rate. | |
|------|-----|-----|-------------|------------------|
| | | | Cornwall. | England & Wales. |
| 1892 | ... | ... | 0.20 | 0.46 |
| 1900 | ... | ... | 0.16 | 0.34 |
| 1910 | ... | ... | 0.07 | 0.24 |
| 1920 | ... | ... | 0.10 | 0.12 |
| 1921 | ... | ... | 0.04 | 0.12 |
| 1922 | ... | ... | 0.13 | 0.167 |
| 1923 | ... | ... | 0.05 | 0.10 |

Other Diseases.

Cancer and Malignant Disease. 193 male and 318 female deaths were attributed to these diseases, a total of 511. Previous records :—

| | | | Death Rate. | |
|------|-----|-----|-------------|------------------|
| | | | Cornwall. | England & Wales. |
| 1898 | ... | ... | 0.32 | 0.799 |
| 1900 | ... | ... | 0.82 | 0.829 |
| 1910 | ... | ... | 1.09 | 0.967 |
| 1920 | ... | ... | 1.28 | 1.161 |
| 1921 | ... | ... | 1.64 | 1.215 |
| 1922 | ... | ... | 1.58 | 1.229 |
| 1923 | ... | ... | 1.62 | — |

The death rate for Cornwall and England and Wales has increased partly owing to improved diagnosis, partly to the greater number of people living beyond middle life, and also unfortunately to an actual increase in the disease.

The crude death rate for Cornwall is greater than that for England and Wales owing to the greater number of persons beyond middle life in Cornwall compared with England and Wales. It is not possible to obtain the standardised rates at present.

VENEREAL DISEASES.

Treatment Centres: (1) Tuckingmill, (2) South Devon and East Cornwall Hospital, Plymouth. All Treatment Centres in the Country are open to all comers.

Summary of Work done:—

| TREATMENT CENTRE AT THE SOUTH DEVON AND EAST CORNWALL HOSPITAL, PLYMOUTH. | | | | | TREATMENT CENTRE AT TUCKINGMILL. | | | |
|---|-----------|-----------|-----------|-----------|-------------------------------------|-----------|-----------|-----------|
| Patients from Cornwall only | | | | | | | | |
| | 1920 | 1921 | 1922 | 1923 | 1920 | 1921 | 1922 | 1923 |
| No. of persons dealt with at the out patient Dept. for the first time and found to be suffering from:— | | | | | | | | |
| Syphilis | 55 | 43 | 16 | 21 | 54 | 23 | 18 | 28 |
| Soft Chancre | — | — | — | — | — | — | 2 | 1 |
| Gonorrhœa | 20 | 26 | 13 | 15 | 37 | 18 | 26 | 25 |
| Conditions other than Venereal | 18 | 18 | 31 | 35 | 3 | 11 | 8 | 10 |
| Total | 93 | 87 | 60 | 71 | 94 | 52 | 54 | 64 |
| Total No. of attendances at the out-patient dept. | 808 | 975 | 552 | 728 | 554 | 363 | 326 | 432 |
| Aggregate No. of in-patient days | 1059 | 1162 | 597 | 513 | — | — | — | 2 |
| No. of doses of Salvarsan substitutes given in the | | | | | | | | |
| Out-patient Dept. | 234 | 158 | 83 | 104 | 302 | 180 | 94 | 158 |
| In-patient „ | 71 | 58 | 23 | 22 | — | — | — | — |
| Examination of pathological material at the Treatment Centre or sent to an approved laboratory for the detection of | | | | | | | | |
| Spirochetes | 1 | 5 | 5 | 3 | 1 | — | — | — |
| Gonococci | 32 | 35 | 35 | 39 | 30 | 11 | 23 | 22 |
| Other Organisms | — | — | — | — | — | — | — | — |
| For Wassermann re-action | 117 | 114 | 88 | 103 | 89 | 64 | 42 | 51 |

There is every indication that there is less venereal disease now than in 1920.

Summary for Cornish Patients.

| | 1919. | 1920. | 1921. | 1922. | 1923. |
|---|-------|-------|-------|-------|-------|
| New cases | 122 | 187 | 139 | 114 | 135 |
| Total attendances at Clinics ... | 516 | 1362 | 1338 | 878 | 1160 |
| Specimens examined from Clinics | 156 | 270 | 229 | 193 | 218 |

Examination of Specimens sent by Medical Practitioners in the County.

| | 1920. | 1921. | 1922. | 1923. |
|--|-------|-------|-------|-------|
| No. of medical practitioners who applied for outfits | 24 | 20 | 20 | 16 |
| Outfits supplied | 175 | 134 | 87 | 80 |
| Specimens examined for Spirochetes ... | 7 | — | — | — |
| Do. do. Gonococci ... | 28 | 11 | 6 | 5 |
| Do. do. other organisms ... | — | — | — | — |
| Do. do. Wassermann Reaction | 114 | 153 | 85 | 73 |

Free Supply of Salvarsan.

| | 1920. | 1921. | 1922. | 1923. |
|--|-------|-------|-------|-------|
| No. of medical men who applied for a free supply | 13 | 11 | 10 | 9 |
| Doses of Salvarsan supplied | 387 | 401 | 205 | 109 |

TUBERCULOSIS.

Primary Notifications. Pulmonary Tuberculosis 286, other forms of Tuberculosis 69, a total of 355. The notifications do not furnish a reliable index of the extent of the disease.

Previous Notification Rates.

| | | Cornwall. | | | England & Wales. | | |
|------|-----|----------------------------|-----------------|--------|-----------------------------|-----------------|--------|
| | | Pulmonary Tuberculosis. | Other Forms. | Total. | Pulmonary. Tuberculosis. | Other Forms. | Total. |
| 1913 | ... | 1.75 | 0.59 | 2.34 | 2.65 | 1.14 | 3.79 |
| 1921 | ... | 1.40 | 0.24 | 1.64 | 1.57 | 0.42 | 1.99 |
| 1922 | ... | 0.86 | 0.14 | 1.00 | 1.47 | 0.43 | 1.90 |
| 1923 | ... | 0.91 | 0.22 | 1.13 | — | — | — |

Deaths. There were 294 deaths from Pulmonary Tuberculosis, and 69 deaths from other forms, a total of 363.

| | | Cornwall. | | | England & Wales. | | |
|---------|-----|----------------------------|-----------------|---------------|----------------------------|-----------------|---------------|
| | | Pulmonary Tuberculosis. | Other Forms. | All Forms. | Pulmonary Tuberculosis. | Other Forms. | All Forms. |
| 1838-42 | ... | — | — | — | 3.78 | 0.64 | 4.42 |
| 1901 | ... | 1.49 | 0.30 | 1.79 | 1.26 | 0.54 | 1.80 |
| 1911 | ... | 1.25 | 0.41 | 1.66 | 1.06 | 0.41 | 1.47 |
| 1921 | ... | 0.92 | 0.36 | 1.28 | 0.88 | 0.25 | 1.13 |
| 1922 | ... | 0.99 | 0.26 | 1.25 | 0.89 | 0.23 | 1.12 |
| 1923 | ... | 0.93 | 0.22 | 1.15 | — | — | — |

There were 175 male deaths, and 119 female deaths from Pulmonary Tuberculosis, although the female population is considerably in excess of the male population. The districts where the male deaths from Pulmonary Tuberculosis exceed the female are:—

| | | Males. | Females. |
|------------------|-----|--------|----------|
| Camborne U.D. | ... | 19 | 11 |
| Redruth U.D. | ... | 16 | 4 |
| Falmouth B. | ... | 8 | 3 |
| St. Just U.D. | ... | 6 | 2 |
| Redruth R.D. | ... | 17 | 12 |
| St. Austell R.D. | ... | 17 | 9 |
| Totals | ... | 83 | 41 |

With the exception of Falmouth the excessive deaths of males from Pulmonary Tuberculosis is largely due to Tuberculosis added to Silicosis (miners' disease).

Records of Patients examined in 1923.

| | Referred by medical practitioners. | Referred by Pensions Committee. | Referred by Nat. Ins. Com. (Reg. Medical Officer). | Others. | Medical. Boards. | Total. |
|-----------------------------|--|---------------------------------------|--|---------|---------------------|--------|
| Cases seen at Dispensaries— | | | | | | |
| Tuckingmill | | | | | | |
| 310 | 54 | — | 8 | — | 372 | |
| Truro | | | | | | |
| 61 | 92 | — | 171 | — | 324 | |
| Penzance | | | | | | |
| 229 | 71 | 8 | 58 | — | 366 | |
| St. Austell | | | | | | |
| 75 | 121 | 20 | 94 | — | 310 | |
| Cases seen elsewhere— | | | | | | |
| Domiciliary visits | | | | | | |
| 182 | 47 | 6 | 63 | — | 298 | |
| Medical Boards | | | | | | |
| — | — | — | — | 100 | 100 | |
| Total | 857 | 385 | 34 | 394 | 100 | 1,770 |

Compared with the previous year more new cases have been examined and less old cases. Of the 1,770 cases examined during the year 586 were new cases, and 1,184 old cases. 1,372 were examined at dispensaries and 298 in their homes and at doctors' surgeries. 100 men were examined at Medical Boards. Over 100 persons were examined as "contacts" with cases of Tuberculosis and were not usually suffering from Tuberculosis.

Tehidy Sanatorium. Number of beds 64.

The following table gives the number of patients admitted to and discharged from Sanatoria :—

| | Tehidy. | | Preston Hall. | Burrow Hill Training Colony. |
|-------------------------------------|---------|----|------------------|------------------------------------|
| | M. | F. | M. | M. |
| Patients in Sanatoria on 1.1.23 ... | 26 | 22 | 1 | — |
| Number admitted during 1923 ... | 88 | 60 | 3 | 2 |
| Number discharged during 1923... | 71 | 61 | 2 | — |
| Number in Sanatoria on 31.12.23 | 43 | 21 | 2 | 2 |

Class of Patients admitted to Tehidy. Ex-service men have been admitted in all stages, as part of the Institution is a

war memorial. Otherwise preference has been given to early cases, medical and surgical, and secondly to cases likely to be restored to a fair working capacity. Advanced cases have been refused, firstly, because there has not been sufficient accommodation for them, and secondly, because there is no separate hospital block.

In the following table cases have been classified on discharge; this means that some cases which were admitted as possible "C" cases have been re-classified as "B" cases after observation at Tehidy:—

Pulmonary:

| | Number. | Condition on discharge. |
|--|-----------------------------------|---|
| "A" cases (early cases) ... | 33 (32.04 p.c. of T.B. cases) ... | Quiescent 26 eq. 78.79 p.c. Improved 7 eq. 21.21 p.c. |
| "B" cases (cases not likely to improve materially) | 36 (34.95 p.c. of T.B. cases) ... | Improved 6 eq. 16.67 p.c. No material improvement 26 eq. 72.22 p.c. Died 4 eq. 11.11 p.c. |
| "C" cases (intermediate between "A" and "B") | 22 (21.36 p.c. of T.B. cases) ... | Quiescent 5 eq. 22.72 p.c. Improved 14 eq. 63.64 p.c. No material improvement 3 eq. 13.64 p.c. |

Surgical cases:

| | | |
|--|-----------------------------------|--|
| | 12 (11.65 p.c. of T.B. cases) ... | Quiescent 9 eq. 75 p.c. Improved 2 eq. 16.67 p.c. No material improvement 1 eq. 8.33 p.c. |
|--|-----------------------------------|--|

In 27 cases admitted as observation or doubtful cases the diagnosis was not confirmed.

Adding the results together the condition on discharge was :—

| | | | | |
|-------------------------|-----|-----|--------|------------|
| Quiescent | ... | ... | 40 eq. | 38.83 p.c. |
| Improved | ... | ... | 29 eq. | 28.15 p.c. |
| No material improvement | ... | ... | 30 eq. | 29.13 p.c. |
| Died | ... | ... | 4 eq. | 3.89 p.c. |

These results are an improvement on those for the previous year, but the great difficulty still is to get the cases when they are early. No doubt the demand for payment towards maintenance acts as a deterrent to some extent, but it is difficult to ascertain to what extent.

As regards making provision for the admission of advanced cases in a separate block, it would be of doubtful utility until powers are obtained to retain such cases to the end instead of allowing them to return to overcrowded homes in the most infectious stage of the disease.

As Tehidy Sanatorium was partly a war memorial, ex-service men were admitted in all stages of the disease, although there is no special accommodation for advanced cases. This of course has not improved the records of results.

It was originally intended to have separate accommodation for advanced cases, which the Council are asked to admit in some instances to prevent the spread of the infection in overcrowded homes. So far, no such accommodation has been provided, and it has been necessary to refuse accommodation to such cases, however unsuitable and overcrowded the condition of the homes.

An effort is being made to get medical practitioners to send in early cases of surgical tuberculosis as good economic results are obtained in such cases. As regards pulmonary cases the economic results are not likely to be good until the Sanatorium treatment can be supplemented by more efficient

sera or vaccines. It seems probable that developments will be on such lines and that Sanatoria may become much more valuable institutions.

MATERNITY AND CHILD WELFARE.

Infant Mortality. 302 infants under one year of age died, an infant mortality rate of 55.32 per thousand live births.

Previous records :—

| | | | Infant Mortality Rate. | |
|------|-----|-----|------------------------|------------------|
| | | | Cornwall. | England & Wales. |
| 1898 | ... | ... | 156.24 | 160 |
| 1900 | ... | ... | 126.19 | 154 |
| 1910 | ... | ... | 85.44 | 105 |
| 1911 | ... | ... | 129.65 | 130 |
| 1920 | ... | ... | 59.50 | 80 |
| 1921 | ... | ... | 72.97 | 83 |
| 1922 | ... | ... | 68.20 | 77 |
| 1923 | ... | ... | 55.32 | 69 |

The high infant mortality in 1911 was due to the very hot summer. The actual cause of the deaths was diarrhœa in epidemic form, and there is no doubt that milk was the chief agent in conveying the infection. Probably much of the improvement in the mortality rate has been due to the use of dried milk, boiled milk, or more careful storage and protection of the milk in the homes.

In 1923 the chief causes of infant mortality were :—

| | | | | Males. Females. Total. | | |
|-----|---|-----|-----|------------------------|----|-----|
| (1) | Congenital debility, malformation and premature birth | ... | ... | 109 | 59 | 168 |
| (2) | Respiratory diseases | ... | ... | 23 | 17 | 40 |
| (3) | Diarrhœa | ... | ... | 9 | 8 | 17 |
| (4) | Whooping Cough | ... | ... | 4 | 7 | 11 |
| (5) | Measles | ... | ... | 4 | 1 | 5 |
| (6) | Violence | ... | ... | 4 | 1 | 5 |
| (7) | Tuberculosis | ... | ... | 3 | 2 | 5 |

The total deaths of males was 185 and females 117.

Mortality between the years 1 and 5. 51 males and 53 females, a total of 104, died between the ages of 1 and 5 years. The chief causes were :—

| | | | | Males. | Females. | Total. |
|----------------------|-----|-----|-----|--------|----------|--------|
| Respiratory diseases | ... | ... | ... | 10 | 13 | 23 |
| Measles | ... | ... | ... | 7 | 12 | 19 |
| Tuberculosis | ... | ... | ... | 6 | 4 | 10 |
| Diarrhœa | ... | ... | ... | 4 | 5 | 9 |
| Violence | ... | ... | ... | 4 | 4 | 8 |
| Whooping Cough | ... | ... | ... | 3 | 2 | 5 |
| Influenza | ... | ... | ... | 3 | 1 | 4 |

Diarrhœa and Enteritis under 2 years. Rate per thousand births :—

| | | | Cornwall. | England & Wales. |
|------|-----|-----|-----------|------------------|
| 1920 | ... | ... | 4.01 | 8.89 |
| 1921 | ... | ... | 9.25 | 16.06 |
| 1922 | ... | ... | 4.27 | 6.58 |
| 1923 | ... | ... | 4.21 | 7.7 (approx.) |

Maternal mortality. 26 deaths were reported, six from Puerperal Sepsis and 20 from other accidents and diseases of pregnancy and parturition, a rate of 4.76 per thousand births. Rates per thousand births :—

| | | Cornwall. | England & Wales. |
|-----------|-----|---|---|
| | | Puerperal Fever. | Puerperal Fever. |
| | | Other complications of pregnancy and parturition. | Other complications of pregnancy and parturition. |
| 1919-1922 | ... | 0.76 | 1.57 |
| 1923 | ... | 1.10 | 2.54 |
| | | 3.26 | 3.66 |

The death rate from Puerperal Fever is usually lower in Cornwall than in England and Wales, while the death rate from other complications of pregnancy and parturition is always higher. There is no detailed information as to the nature of these deaths, and it is usually assumed that higher death rates from other complications are due to the difficulty of obtaining skilled treatment in rural districts. Comparison of the urban and rural districts in Cornwall is only of limited value owing to the fact that the urban districts include large areas of rural character. The following are the number of deaths recorded :—

| | | | | Urban. | | Rural. | |
|-----------|-----|-----|-----|---------------------|---------|---------------------|---------|
| | | | | Puerperal Fever. | Others. | Puerperal Fever. | Others. |
| 1911-1923 | ... | ... | ... | 34 | 116 | 34 | 155 |

There are approximately one-third more births in rural districts than in urban districts, so that the rural districts show better records as regards puerperal fever than the urban districts. Deaths from other accidents and diseases of pregnancy and parturition are in accordance with the respective number of births.

Only five cases of Puerperal Fever were notified in the County. This means that notification is very incomplete as the less severe cases recover.

Only two maternal deaths occurred in the practice of midwives as such, and 10 in their practice as maternity nurses. No information is available as to the other 14 deaths.

Ophthalmia Neonatorum. 17 cases were notified, a rate of 3.11 per thousand births. Previous rates :—

| | | | | Cornwall. | England & Wales. |
|------|-----|-----|-----|-----------|------------------|
| 1914 | ... | ... | ... | 1.5 | 7.01 |
| 1919 | ... | ... | ... | 5.76 | 12.49 |
| 1922 | ... | ... | ... | 2.6 | 9.11 |
| 1923 | ... | ... | ... | 3.11 | — |

Twelve cases were visited and treated by emergency nurses. Only one eye was slightly damaged. There is no record of the other cases treated by medical practitioners without our nurses, but no cases of blindness have been reported.

Stillbirths. 179 stillbirths were notified on the birth cards, excluding the returns from the boroughs of Penzance, Falmouth and Launceston.

Supply of Milk, etc. About 80 families are receiving one pint of milk each per day as compared with 120 last year.

REPORT OF INSPECTOR OF MIDWIVES, FOR THE YEAR 1923.

The number of Midwives who notified their intention to practise during the year 1923 was 204.

Of the 204 notifications received: 24 were from Midwives who were appointed to fill vacancies of those resigning from work in the County; and 7 were extra Midwives to relieve for holiday and temporary duty.

This gives a total number of Midwives on the County roll available for work at the end of the year of 173, showing an increase of 6 trained Midwives on the previous year.

These may be classified under three headings:

| | |
|--|-----------|
| I. Trained Midwives working under Associations | 127 |
| (a) Under C.C.N.A., | 120. |
| (b) Under Indep. Assocn., | 7. |
| II. Trained Midwives working on their own account | 35 |
| III. Bona-fide Midwives | 11 |

The trained Midwives are of four classes, i.e.,

| | |
|---|-----------|
| (a) Midwifery training only (six months) | 18 |
| (b) Village Nurse-Midwives, having one year's training in Midwifery and General Nursing | ... 104 |
| (c) Hospital training with four months' Midwifery | 33 |
| (d) Queen's Nurses, 3 years Hospital training, 6 months District and Public Health Work, and 4 months Midwifery | 7 |
| Total | ... 162 |

The 24 Midwives resigned from work in Cornwall for the following reasons:—

| | | | |
|------------------------------|-----|-----|---|
| Work in other counties | ... | ... | 8 |
| Marriage | ... | ... | 9 |
| Health reasons | ... | ... | 3 |
| Family reasons | ... | ... | 3 |
| Died, Nurse Hall, St. Breage | ... | ... | 1 |

The following table shows an increase in the number of cases taken by trained Midwives, and a decrease in those taken by the untrained Midwives.

| | 1922. | 1923. | Increase. | Decrease. |
|------------------------------------|-------|-------|-----------|-----------|
| Cases attended by trained | | | | |
| Midwives | 3,437 | 3,549 | 112 | — |
| (a) As Midwife ... | 2,016 | 2,046 | 30 | — |
| (b) As Nurse ... | 1,421 | 1,503 | 82 | — |
| Cases attended by Bona-fide | | | | |
| Midwives | 193 | 130 | — | 63 |
| (a) As Midwife ... | 88 | 65 | — | 23 |
| (b) As Nurse ... | 105 | 65 | — | 40 |

Table showing the number of cases attended by Midwives in the different groups:—

| | | | | |
|---|-----|-----|-------|-------|
| Cases attended by Midwives working under | | | | |
| C.C.N.A. | ... | ... | ... | 2,938 |
| (a) As Midwife | ... | ... | 1,709 | |
| (b) As Nurse | ... | ... | 1,229 | |
| Cases attended by Midwives working under | | | | |
| Independent Associations | ... | ... | ... | 103 |
| (a) As Midwife | ... | ... | 68 | |
| (b) As Nurse | ... | ... | 35 | |
| Cases attended by Midwives working on own | | | | |
| account | ... | ... | ... | 508 |
| (a) As Midwife | ... | ... | 269 | |
| (b) As Nurse | ... | ... | 239 | |
| Cases attended by bona-fide Midwives | | | | |
| (a) As Midwife | ... | ... | 65 | 130 |
| (b) As Nurse | ... | ... | 65 | |

During the year 650 visits were paid to Midwives, 598 routine inspections and 52 special visits of enquiry, an average of four inspections to each working Midwife.

**Summary of work done by all Midwives during the
year 1923.**

| | | Trained. | Bona-fide. | Total. |
|--|-----|----------|------------|--------|
| Number of cases attended | ... | 3,549 | 130 | 3,679 |
| (a) As Midwife | ... | 2,046 | 65 | 2,111 |
| (b) As Nurse | ... | 1,503 | 65 | 1,568 |
| Number of times Doctor sent for | | 398 | 2 | 400 |
| (a) For Mother | ... | 350 | 2 | 352 |
| (b) For Child | ... | 48 | — | 48 |
| Number of Stillbirths | ... | 128 | 4 | 132 |
| (a) As Midwife | ... | 36 | 3 | 39 |
| (b) As Nurse | ... | 92 | 1 | 93 |
| Number of deaths of Mother | ... | 12 | — | 12 |
| (a) As Midwife | ... | 2 | — | 2 |
| (b) As Nurse | ... | 10 | — | 10 |
| Number of deaths of Child | ... | 63 | — | 63 |
| (a) As Midwife | ... | 23 | — | 23 |
| (b) As Nurse | ... | 40 | — | 40 |
| Number of times last offices performed | ... | 122 | — | 122 |
| Number of notifications of artificial feeding | ... | 61 | — | 61 |
| Number of notifications of "liability to be a source of infection" | ... | 20 | — | 20 |

There were fewer Stillbirths notified by Midwives and less maternal deaths. Much more ante-natal work has been done.

Of the Stillbirths :

22 were premature—14 were macerated; 8 were not macerated.

17 were full term—7 were macerated; 10 were not macerated.

The causes of maternal death in the cases attended by Midwives were as follows:—

(1) As Midwife—2:

1 Phthisis.

1 Eclampsia.

(2) As Nurse—10:

2 Heart Failure.

1 Pneumonia (4th day).

1 Placenta Previa. P.P.H.

1 Puerperal Peritonitis (craniotomy performed).

1 Puerperal Septicemia.

1 A.P.H. and P.P.H.

1 Uræmia.

2 Eclampsia.

Emergency Nurses. Twelve cases of Ophthalmia Neonatorum were visited and treatment carried out. Eleven made a good recovery, one has slight impairment in one eye.

Three cases of Puerperal Septicemia were nursed, two recovered and one died.

They also attended 81 maternity cases.

M. RIDEN,
Inspector of Midwives.

Births attended by Midwives:

| | 1914 | 1922 | 1923 |
|--|-------|-------|-------|
| Number of births | 6,433 | 5,601 | 5,459 |
| Number attended by midwives as midwives | 1,690 | 2,104 | 2,111 |
| Percentage | 26.2 | 37.4 | 38.7 |
| Number of cases where medical help was called in by midwives | 187 | 446 | 400 |
| Percentage of midwives' cases ... | 11.0 | 21.2 | 18.9 |
| Number attended by midwives as maternity nurses | 1,089 | 1,526 | 1,568 |
| Percentage of births | 16.9 | 27.2 | 28.7 |

In 1914 43.1 per cent. of the births in the county were attended by midwives acting either as midwives or as maternity nurses. In 1923 the percentage was 67.4.

ISOLATION HOSPITALS.

There is the following provision in the County : —

| District. | Population. | Description. | No. of beds. |
|--------------------|-------------|---|--------------|
| Camborne U. | 14,630 | A private house, built of stone ; was used in an Enteric Fever outbreak, and also for Small-pox. Only one disease can be treated at a time. — No administrative or discharging block ; no laundry. 3 wards. | 8 |
| Falmouth B. | 13,120 | A wooden building containing 2 wards with 4 beds each, nurses' room, sitting room, and kitchen, all under one roof. Two diseases concurrently. | 8 |
| Newquay U. | 4,940 | Hospital at Trevenson in St. Columb R.D. A corrugated iron building on brick foundations. Two wards in one block, 4 beds in each. No drainage. | 8 |
| Penzance B. | 11,610 | A wood and iron building at Mount Misey, containing 2 wards with 6 beds in each, with nurses' sitting and bedrooms, and 2 single bedded wards between the larger wards. One disease at a time. | 14 |
| Redruth U. | 10,060 | In Redruth. Converted house. | 12 |
| Stratton & Bude U. | 3,090 | A wooden hospital, consisting of a kitchen and scullery with 2 nurses' rooms and a store room at one end ; in the middle a ward with 6 to 8 beds, and at the other end an annexe with bath and w.c. Warmed by stoves. Jointly with the R.D. One disease at a time. | 6-8 |
| Truro City | 11,040 | An old stone building, converted, situated in the city. Scarlet Fever and Diphtheria, 2 diseases concurrently. No administrative or discharge blocks or disinfecting apparatus. Additional ward for 10 beds, with bath and lavatory accommodation recently completed. | 25 |
| Redruth R. | 17,190 | Situated at West Tolgus in Illogan parish. The building is a disused stone workshop at an old mine. Wards inter-communicating. | 14 |
| St. Columb R. | 11,710 | Wooden bungalow situated at Castle-an-Dinas. | Few |
| Stratton R. | 4,946 | See Stratton & Bude U. Hospital used jointly by the two Councils. | — |
| Truro R. | 19,330 | A wooden and iron building at St. Agnes. Two diseases can be treated concurrently if nurse's room is used for a ward. | 4-8 |

Sale of Food and Drugs Act, 1875—1907.

A record of the work done in the County is given here, but this work is under the control of the Chief Constable of the County.

| Name of Article. | Number of Samples taken. | Genuine. | Adulterated. | Remarks. |
|-------------------------|--------------------------|----------|--------------|--|
| Milk | 165 | 159 | 6 | 5 samples added water viz, 33.6%, 16.2%, 13.8%, 9.1%, and 5.3%. 1 sample 3 parts of dirt per 100,000 by volume. Several of poor quality. |
| Scald Milk | 5 | 4 | 1 | 5 grains of boric acid per pint. |
| Butter | 39 | 39 | ... | |
| Condensed Milk | 1 | 1 | ... | |
| Cream | 4 | 3 | 1 | 0.06% Boric Acid |
| Margarine | 13 | 13 | ... | |
| Cheese | 3 | 3 | ... | |
| Lemon Cheese | 1 | 1 | ... | |
| Lard | 10 | 10 | ... | |
| Cocoa | 7 | 7 | ... | |
| Cocoa Essence | 1 | 1 | ... | |
| Camp Coffee | 1 | 1 | ... | |
| Coffee | 2 | 2 | ... | |
| Tea | 1 | 1 | ... | |
| Sugar | 3 | 3 | ... | |
| Sweets | 4 | 4 | ... | 1 highly coloured with a rosanalin dye. |
| Chocolates | 2 | 2 | ... | |
| Chocolate Powder | 1 | 1 | ... | |
| Baking Powder | 3 | 3 | ... | |
| Custard Powder | 2 | 2 | ... | |
| Lemon Cake | 1 | 1 | ... | |
| Pepper | 7 | 6 | 1 | 1 93% sand |
| Jam | 2 | 2 | ... | |
| Corn Beef | 1 | 1 | ... | |
| Peas | 1 | 1 | ... | |
| Corn Flour | 1 | 1 | ... | |
| Lemon Peel | 1 | 1 | ... | |
| Tapioca | 2 | 2 | ... | |
| Pastry | 1 | 1 | ... | |
| Sponge Cake | 1 | 1 | ... | |
| Ovaltine | 1 | 1 | ... | |
| Tartaric Acid | 1 | 1 | ... | |
| Salmon Paste | 1 | 1 | ... | |
| Yeast | 2 | 2 | ... | |
| Vinegar | 8 | 7 | 1 | 20% deficient in acetic acid |
| Brandy | 1 | ... | 1 | 37.5 degrees under proof. |
| Total | 300 | 289 | 11 | |

Year 1907

State of Food and Drugs Act 1907

The purpose of this work is to show the manner in which the State of Food and Drugs Act 1907 is carried out in the various parts of the country. It is intended to be a guide to the public and to the officials of the State.

| Name of the Food or Drug | Description of the Food or Drug | Quantity of the Food or Drug | Value of the Food or Drug |
|--------------------------|---------------------------------|------------------------------|---------------------------|
| Wheat | Wheat | 1000 bushels | \$1000.00 |
| Barley | Barley | 500 bushels | \$500.00 |
| Oats | Oats | 500 bushels | \$500.00 |
| Rye | Rye | 500 bushels | \$500.00 |
| Corn | Corn | 1000 bushels | \$1000.00 |
| Sorghum | Sorghum | 500 bushels | \$500.00 |
| Millet | Millet | 500 bushels | \$500.00 |
| Buckwheat | Buckwheat | 500 bushels | \$500.00 |
| Triticum | Triticum | 500 bushels | \$500.00 |
| Speltz | Speltz | 500 bushels | \$500.00 |
| Amaranth | Amaranth | 500 bushels | \$500.00 |
| Quinoa | Quinoa | 500 bushels | \$500.00 |
| Sorghum | Sorghum | 500 bushels | \$500.00 |
| Millet | Millet | 500 bushels | \$500.00 |
| Buckwheat | Buckwheat | 500 bushels | \$500.00 |
| Triticum | Triticum | 500 bushels | \$500.00 |
| Speltz | Speltz | 500 bushels | \$500.00 |
| Amaranth | Amaranth | 500 bushels | \$500.00 |
| Quinoa | Quinoa | 500 bushels | \$500.00 |
| Sorghum | Sorghum | 500 bushels | \$500.00 |
| Millet | Millet | 500 bushels | \$500.00 |
| Buckwheat | Buckwheat | 500 bushels | \$500.00 |
| Triticum | Triticum | 500 bushels | \$500.00 |
| Speltz | Speltz | 500 bushels | \$500.00 |
| Amaranth | Amaranth | 500 bushels | \$500.00 |
| Quinoa | Quinoa | 500 bushels | \$500.00 |
| Sorghum | Sorghum | 500 bushels | \$500.00 |
| Millet | Millet | 500 bushels | \$500.00 |
| Buckwheat | Buckwheat | 500 bushels | \$500.00 |
| Triticum | Triticum | 500 bushels | \$500.00 |
| Speltz | Speltz | 500 bushels | \$500.00 |
| Amaranth | Amaranth | 500 bushels | \$500.00 |
| Quinoa | Quinoa | 500 bushels | \$500.00 |
| Sorghum | Sorghum | 500 bushels | \$500.00 |

TABLE I.—Total Number of Births and Deaths in each District during the year 1923.

| DISTRICT. | POPULATION. | BIRTHS. | | | | DEATHS. | | | | | |
|----------------------|-------------|-------------|-------|---------------|-------|---------------|--------|-----------------------|--------------|--------|--------|
| | | Legitimate. | | Illegitimate. | | Under 1 Year. | | | At all Ages. | | |
| | | Number. | Rate. | Number. | Rate. | Number. | Total. | Rate per 1,000 births | Number. | Total. | Rate. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| URBAN. | | | | | | | | | | | |
| Bodmin - - - | *5,520 | M. 33 | F. 25 | M. 1 | F. 1 | 60 | 10.87 | .. | .. | .. | .. |
| Callington - - | 1,669 | 6 | 17 | 2 | .. | 35 | 20.97 | 1 | 1 | 2 | 57.14 |
| Camborne - - - | 14,630 | 116 | 115 | 10 | 4 | 245 | 16.74 | 10 | 2 | 12 | 48.98 |
| Falmouth - - - | *13,120 | 117 | 95 | 6 | 6 | 224 | 17.07 | 7 | 5 | 12 | 53.57 |
| Fowey - - - - | 1,982 | 11 | 12 | .. | .. | 23 | 11.60 | .. | .. | .. | nil |
| Hayle - - - - | 996 | 4 | 11 | 1 | 2 | 18 | 18.07 | .. | 1 | 1 | 55.55 |
| Helston - - - | 2,684 | 19 | 30 | 1 | 3 | 53 | 19.74 | .. | .. | .. | nil |
| Launceston - - | 3,891 | 27 | 32 | .. | .. | 59 | 15.16 | 3 | 1 | 4 | 67.80 |
| Liskeard - - - | 4,338 | 31 | 29 | 1 | 4 | 65 | 14.98 | 4 | 3 | 7 | 107.69 |
| Looe - - - - | 2,651 | 27 | 16 | 2 | .. | 45 | 16.97 | .. | .. | .. | nil |
| Lostwithiel - - | 1,293 | 10 | 18 | .. | .. | 28 | 21.65 | .. | .. | .. | nil |
| Ludgvan - - - | 2,065 | 11 | 19 | 3 | 1 | 34 | 16.46 | 2 | 5 | 7 | 205.88 |
| Madron - - - - | 3,374 | 36 | 21 | 1 | .. | 58 | 17.19 | 1 | .. | 1 | 17.24 |
| Newquay - - - | 4,940 | 46 | 19 | 4 | .. | 69 | 13.97 | 5 | 2 | 7 | 101.45 |
| Padstow - - - | 1,662 | 11 | 13 | 1 | 1 | 26 | 15.64 | .. | .. | .. | nil |
| Paul - - - - | 5,603 | 47 | 45 | 4 | 4 | 96 | 17.13 | 1 | 4 | 5 | 52.08 |
| Penryn - - - - | 3,201 | 29 | 35 | 4 | 4 | 68 | 21.24 | 2 | .. | 2 | 29.41 |
| Penzance - - - | 11,610 | 87 | 73 | 4 | 6 | 170 | 14.64 | 10 | 4 | 14 | 82.35 |
| Phillack - - - | 3,466 | 28 | 27 | 2 | 3 | 60 | 17.31 | 3 | 1 | 4 | 66.67 |
| Redruth - - - | 10,060 | 71 | 82 | 4 | 5 | 162 | 16.10 | 7 | 5 | 12 | 74.07 |
| St. Austell - - | 3,340 | 29 | 29 | 5 | 2 | 65 | 19.46 | 2 | .. | 2 | 30.77 |
| St. Ives - - - | 6,482 | 54 | 47 | .. | 4 | 105 | 16.20 | 1 | 5 | 6 | 57.14 |
| St. Just - - - | 5,181 | 53 | 51 | 1 | 3 | 108 | 20.84 | 4 | 4 | 8 | 74.07 |
| Saltash - - - | 3,598 | 29 | 28 | 1 | 3 | 61 | 16.95 | .. | .. | .. | nil |
| Stratton and Bude | 3,090 | 19 | 25 | 1 | 2 | 47 | 15.21 | .. | 2 | 2 | 42.55 |
| Torpoint - - - | 4,504 | 37 | 41 | 1 | 1 | 80 | 17.76 | 4 | 2 | 6 | 75.00 |
| Truro City - - | 11,040 | 103 | 95 | 5 | 7 | 210 | 20.91 | 3 | 3 | 6 | 28.57 |
| Wadebridge - - | 2,310 | 14 | 16 | .. | 1 | 31 | 13.42 | .. | 2 | 2 | 64.52 |
| TOTALS - - - | §138,300 | 1115 | 1066 | 57 | 67 | 2,305 | 16.67 | 70 | 52 | 122 | 52.93 |
| RURAL. | | | | | | | | | | | |
| Bodmin - - - | 10,140 | 84 | 82 | 8 | 4 | 178 | 17.55 | 4 | 1 | 5 | 28.09 |
| Calstock - - - | 4,729 | 46 | 36 | 1 | .. | 83 | 17.55 | .. | .. | .. | nil |
| Camelford - - - | 7,581 | 69 | 55 | 6 | 3 | 133 | 17.54 | 5 | 4 | 9 | 67.67 |
| East Kerrier - - | 8,245 | 67 | 68 | .. | 3 | 138 | 16.74 | 6 | 1 | 7 | 50.72 |
| Helston - - - | 16,500 | 140 | 141 | 6 | 3 | 290 | 17.57 | 5 | 9 | 14 | 48.27 |
| Holsworthy (part of) | 356 | 6 | 3 | .. | 1 | 10 | 28.09 | .. | .. | .. | nil |
| Launceston - - | 7,238 | 52 | 76 | 1 | 3 | 132 | 18.24 | 6 | 1 | 7 | 53.03 |
| Liskeard - - - | 14,930 | 127 | 122 | 8 | 4 | 261 | 17.48 | 15 | 7 | 22 | 84.29 |
| Redruth - - - | 17,190 | 160 | 146 | 9 | 10 | 325 | 18.91 | 18 | 1 | 19 | 58.46 |
| St. Austell - - | 31,790 | 322 | 276 | 16 | 19 | 633 | 19.91 | 21 | 16 | 37 | 58.45 |
| St. Columb - - | 11,710 | 99 | 105 | 1 | 5 | 210 | 17.93 | 8 | 3 | 11 | 52.38 |
| St. Germans - - | 12,390 | 123 | 84 | 7 | 4 | 218 | 17.59 | 9 | 5 | 14 | 64.22 |
| Stratton - - - | 4,946 | 48 | 50 | 2 | 3 | 103 | 20.82 | 4 | 2 | 6 | 58.25 |
| Truro - - - - | 19,330 | 110 | 122 | 7 | 8 | 247 | 12.78 | 8 | 6 | 14 | 56.68 |
| West Penwith - | 10,430 | 90 | 100 | 1 | 2 | 193 | 18.50 | 6 | 9 | 15 | 77.72 |
| TOTALS - - - | 177,505 | 1543 | 1466 | 73 | 72 | 3,154 | 17.77 | 115 | 65 | 180 | 57.07 |
| Whole County - - | §315,805 | 2658 | 2532 | 130 | 139 | 5,459 | 17.28 | 185 | 117 | 302 | 55.32 |
| Scilly Isles - - | 1,695 | 14 | 8 | .. | .. | 22 | 12.98 | .. | .. | .. | nil |

Rates calculated per 1,000 of the population. *The death-rates for Bodmin Urban and Falmouth are calculated on the populations of 5,403 and 12,832 respectively. §Total Urban and County Populations for death-rate, 137,895 and 315,400 respectively.

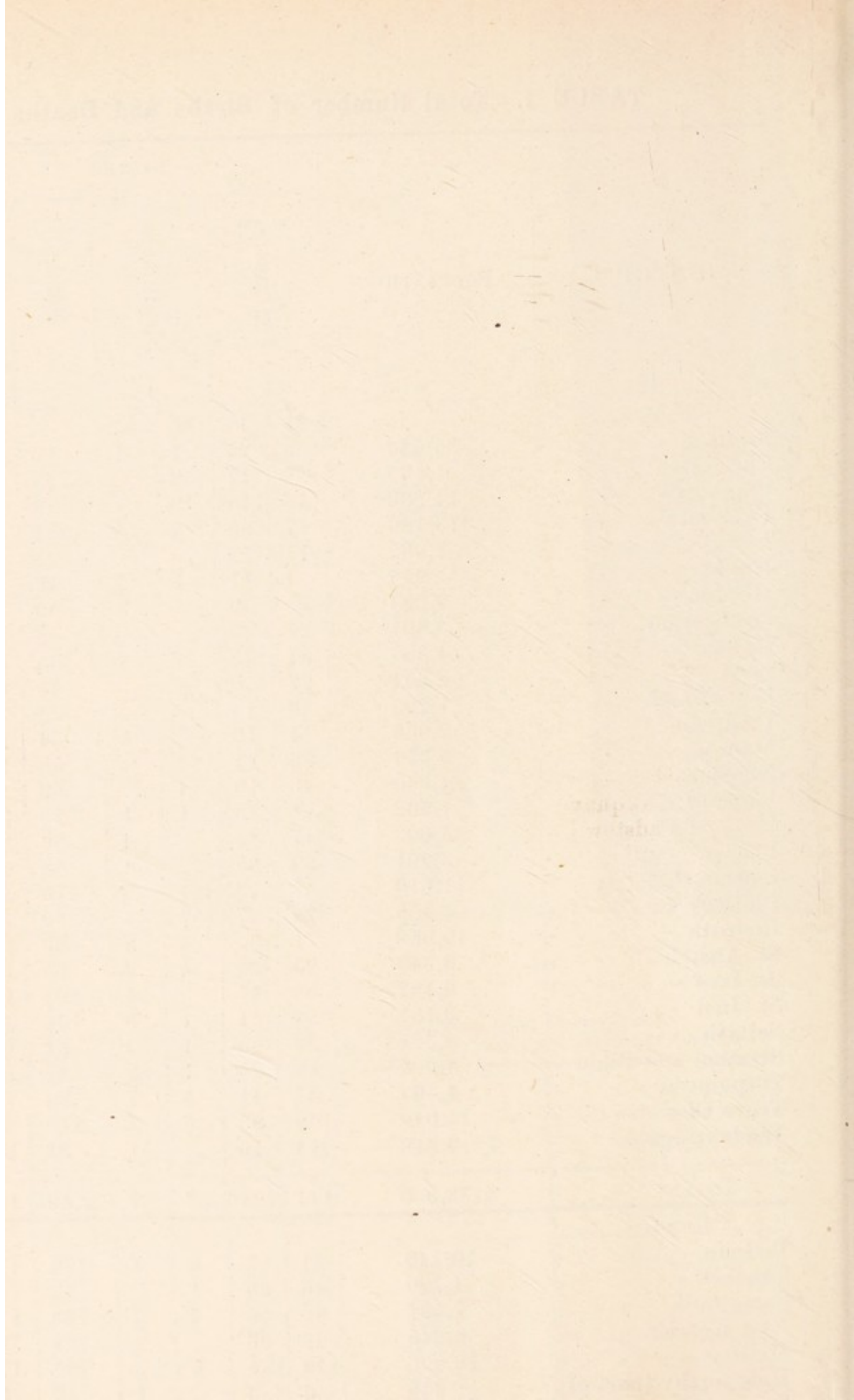


TABLE II.—Infectious Diseases notified in each district during the Year 1923.

| SANITARY DISTRICT | Diphtheria | Erysipelas | Scarlet Fever | Enteric Fever | Puerperal Fever | Cerebro-Spinal Fever | Polio-myelitis | Ophthalmia Neonatorum | Pulmonary Tuberculosis | Other forms of Tuberculosis | Encephalitis Lethargica | Acute Polio-Encephalitis | Malaria | Continued Fever | Pneumonia | Totals |
|---------------------|------------|------------|---------------|---------------|-----------------|----------------------|----------------|-----------------------|------------------------|-----------------------------|-------------------------|--------------------------|---------|-----------------|-----------|--------|
| URBAN | | | | | | | | | | | | | | | | |
| Bodmin | .. | 2 | 14 | 3 | .. | .. | .. | .. | 7 | 5 | .. | .. | .. | .. | .. | 31 |
| Callington | .. | 2 | 10 | 1 | .. | .. | .. | .. | 7 | 5 | .. | .. | .. | .. | .. | 25 |
| Camborne | .. | 6 | 1 | 23 | .. | .. | .. | .. | 33 | 5 | .. | .. | .. | .. | .. | 84 |
| Falmouth | 2 | 1 | 32 | 1 | .. | .. | .. | .. | 14 | 5 | .. | .. | .. | .. | 16 | 55 |
| Fowey | 1 | .. | .. | .. | .. | .. | .. | .. | 2 | 1 | .. | .. | .. | .. | .. | 4 |
| Hayle | .. | .. | .. | .. | .. | .. | .. | .. | 2 | .. | .. | .. | .. | .. | 2 | 4 |
| Helston | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 |
| Launceston | 1 | 3 | .. | .. | .. | .. | .. | .. | 2 | 1 | .. | .. | .. | .. | 2 | 9 |
| Liskeard | 2 | 1 | 1 | .. | .. | .. | .. | .. | 5 | 2 | .. | .. | .. | .. | 1 | 12 |
| Looe | 1 | .. | 4 | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | 7 |
| Lostwithiel | .. | .. | .. | .. | .. | .. | .. | .. | 2 | .. | .. | .. | .. | .. | 1 | 3 |
| Ludgvan | 8 | .. | .. | .. | .. | .. | .. | .. | 3 | .. | .. | .. | .. | .. | .. | 11 |
| Madron | .. | 1 | .. | 2 | .. | 1 | .. | .. | 1 | 1 | .. | .. | .. | .. | .. | 6 |
| Newquay | 3 | 2 | .. | 1 | .. | .. | .. | .. | 5 | .. | .. | .. | .. | .. | 2 | 13 |
| Padstow | 4 | 1 | .. | .. | .. | .. | .. | .. | 2 | .. | .. | .. | .. | .. | 2 | 9 |
| Paul | 1 | .. | 4 | 2 | .. | .. | .. | .. | 3 | .. | .. | .. | .. | .. | .. | 10 |
| Penryn | .. | .. | 1 | .. | 1 | .. | .. | .. | 6 | 1 | .. | .. | .. | .. | 2 | 11 |
| Penzance | 1 | 1 | 7 | 13 | .. | .. | .. | 1 | 4 | 2 | .. | .. | .. | .. | .. | 29 |
| Phillack | 1 | 1 | .. | .. | .. | .. | .. | .. | 4 | .. | .. | .. | .. | .. | 2 | 8 |
| Redruth | 6 | 1 | 7 | .. | .. | .. | .. | 4 | 10 | .. | .. | .. | .. | .. | 7 | 35 |
| St. Austell | 3 | .. | 7 | .. | .. | .. | .. | 1 | 1 | 2 | .. | .. | .. | .. | 1 | 15 |
| St. Ives | 4 | 1 | 10 | 1 | .. | .. | .. | .. | 3 | .. | .. | .. | .. | .. | 1 | 20 |
| St. Just | 1 | .. | 1 | .. | .. | .. | .. | 1 | 10 | .. | .. | .. | .. | .. | 1 | 14 |
| Saltash | 5 | 1 | 1 | 1 | .. | .. | .. | .. | 4 | .. | .. | .. | .. | .. | 4 | 16 |
| Stratton & Bude | .. | .. | 1 | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 3 |
| Torpoint | 5 | 3 | 15 | .. | .. | .. | .. | .. | 8 | 2 | .. | .. | .. | .. | 14 | 47 |
| Truro City | .. | 1 | 1 | .. | .. | 1 | .. | .. | 10 | 2 | 1 | .. | .. | .. | .. | 16 |
| Wadebridge | .. | .. | 7 | .. | .. | .. | .. | 1 | 3 | 1 | .. | .. | .. | .. | 7 | 19 |
| TOTALS | 49 | 28 | 125 | 50 | 1 | 2 | .. | 8 | 152 | 35 | 1 | .. | .. | .. | 66 | 517 |
| RURAL | | | | | | | | | | | | | | | | |
| Bodmin | .. | .. | 13 | .. | 1 | .. | .. | .. | 5 | 1 | .. | .. | .. | .. | 1 | 21 |
| Calstock | 11 | 1 | 9 | .. | .. | .. | .. | .. | 13 | 5 | .. | .. | .. | .. | .. | 39 |
| Camelford | 4 | 1 | .. | 1 | .. | .. | .. | .. | 2 | .. | .. | .. | .. | .. | 1 | 9 |
| East Kerrier | 4 | .. | 35 | .. | .. | .. | .. | .. | 2 | 1 | 1 | .. | .. | .. | .. | 43 |
| Helston | .. | 2 | 2 | .. | 1 | .. | .. | .. | 11 | 1 | .. | .. | .. | .. | .. | 17 |
| Holsworthy(part of) | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 |
| Launceston | 7 | 5 | .. | .. | .. | .. | .. | 1 | 4 | 1 | .. | .. | .. | .. | 2 | 20 |
| Liskeard | 1 | 2 | 5 | .. | .. | .. | .. | .. | 13 | 2 | 3 | .. | .. | .. | 2 | 28 |
| Redruth | 1 | 1 | 3 | 2 | .. | .. | .. | 4 | 36 | 8 | 1 | .. | .. | .. | 28 | 84 |
| St. Austell | 5 | 5 | 69 | 2 | 1 | .. | .. | 2 | 12 | 14 | .. | .. | .. | .. | 6 | 116 |
| St. Columb | .. | .. | 3 | .. | .. | .. | .. | .. | 4 | .. | 1 | .. | .. | .. | 1 | 9 |
| St. Germans | 8 | .. | 20 | 2 | .. | 1 | .. | 1 | 15 | 1 | 2 | .. | .. | .. | 7 | 57 |
| Stratton | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 |
| Truro | 1 | 3 | 3 | .. | 1 | .. | .. | .. | 15 | .. | .. | .. | .. | .. | .. | 23 |
| West Penwith | 5 | 2 | 9 | 3 | .. | .. | .. | 1 | 2 | .. | .. | .. | .. | .. | 1 | 23 |
| TOTALS | 47 | 22 | 172 | 11 | 4 | 1 | .. | 9 | 134 | 34 | 8 | .. | .. | .. | 49 | 491 |
| Whole County | 96 | 50 | 297 | 61 | 5 | 3 | .. | 17 | 286 | 69 | 9 | .. | .. | .. | 115 | 1008 |



Table IV. Causes of Death at Different Periods of Life in 1923

| CAUSES OF DEATH. | Sex | AGGREGATE OF URBAN DISTRICTS. | | | | | | | | | | AGGREGATE OF RURAL DISTRICTS. | | | | | | | | | |
|---|-----|-------------------------------|----|----|----|----|-----|-----|-----|-----|-----|-------------------------------|-----|----|----|----|-----|-----|-----|-----|-----|
| | | All Ages. | 0— | 1— | 2— | 5— | 15— | 25— | 45— | 65— | 75— | All Ages. | 0— | 1— | 2— | 5— | 15— | 25— | 45— | 65— | 75— |
| All Causes | M | 895 | 70 | 14 | 14 | 21 | 38 | 84 | 250 | 164 | 231 | 1122 | 115 | 13 | 10 | 20 | 37 | 115 | 247 | 261 | 304 |
| | F | 1049 | 52 | 18 | 12 | 16 | 35 | 95 | 210 | 225 | 380 | 1167 | 65 | 13 | 10 | 17 | 41 | 107 | 240 | 257 | 417 |
| 1. Enteric Fever | M | 1 | | | | | | | 1 | | | 3 | | | | | 1 | | 1 | | |
| | F | 2 | | | | | 1 | | | | 1 | 2 | | | | | | 1 | 1 | | |
| 2. Small Pox | M | | | | | | | | | | | | | | | | | | | | |
| | F | | | | | | | | | | | | | | | | | | | | |
| 3. Measles | M | 9 | 3 | 3 | 3 | | | | | | | 3 | 1 | 1 | | 1 | | | | | |
| | F | 12 | 1 | 7 | 4 | | | | | | | 2 | | 1 | | 1 | | | | | |
| 4. Scarlet Fever | M | | | | | | | | | | | | | | | | | | | | |
| | F | | | | | | | | | | | | | | | | | | | | |
| 5. Whooping Cough | M | 5 | 2 | 2 | 1 | | | | | | | 2 | 2 | | | | | | | | |
| | F | 3 | 2 | | 1 | | | | | | | 6 | 5 | 1 | | | | | | | |
| 6. Diphtheria | M | | | | | | | | | | | 2 | | | 1 | | | 1 | | | |
| | F | 1 | | | | 1 | | | | | | 1 | | | | 1 | | | | | |
| 7. Influenza | M | 9 | | 1 | | | | 2 | 5 | 1 | | 28 | | 2 | | | | 2 | 9 | 4 | 11 |
| | F | 13 | 1 | | | | | 2 | 3 | 4 | 3 | 24 | 3 | | 1 | | 1 | 4 | 4 | 6 | 5 |
| 8. Encephalitis lethargica | M | | | | | | | | | | | 8 | | | 1 | | 1 | 1 | 4 | | 1 |
| | F | | | | | | | | | | | 2 | | | | | 1 | 1 | | | |
| 9. Meningococcal meningitis | M | 1 | | | | 1 | | | | | | | | | | | | | | | |
| | F | 1 | | | | | | 1 | | | | | | | | | | | | | |
| 10. Tuberculosis of respiratory system | M | 100 | | 1 | | 1 | 21 | 35 | 38 | 4 | | 75 | | | 1 | | 12 | 37 | 21 | 3 | 1 |
| | F | 57 | | | | 1 | 15 | 20 | 11 | 4 | | 62 | | | | 1 | 17 | 30 | 11 | 3 | |
| 11. Other Tuberculous Diseases | M | 14 | 2 | | 2 | 3 | 1 | 2 | 3 | 1 | | 19 | 1 | 1 | 1 | 3 | 4 | 7 | 2 | | |
| | F | 13 | 2 | 1 | | 1 | 4 | 1 | 3 | | 1 | 23 | | 1 | 2 | 4 | 4 | 4 | 6 | 2 | |
| 12. Cancer, malignant disease | M | 82 | | | | | | 2 | 38 | 28 | 14 | 111 | | | | | | 9 | 33 | 44 | 25 |
| | F | 57 | | | | 1 | | 13 | 59 | 42 | 42 | 161 | | | | | 1 | 11 | 70 | 38 | 35 |
| 13. Rheumatic Fever | M | 2 | | | | | 1 | | 1 | | | 2 | | | | | 1 | 1 | | | |
| | F | | | | | | | | | | | 2 | | | | | | | | | |
| 14. Diabetes | M | 8 | | | | | | | 2 | 4 | 2 | 17 | | | | | | 1 | 6 | 9 | 1 |
| | F | 12 | | | | 2 | | 1 | 6 | 2 | 1 | 16 | | | | 1 | | | 5 | 9 | 1 |
| 15. Cerebral hæmorrhage, &c. | M | 67 | | | | | 1 | 2 | 19 | 21 | 24 | 84 | | | | | | | 14 | 28 | 42 |
| | F | 110 | | | | | 2 | 3 | 25 | 35 | 45 | 102 | | | | | 1 | 1 | 26 | 31 | 43 |
| 16. Heart disease | M | 134 | | | | 1 | 2 | 6 | 38 | 36 | 51 | 148 | | | 1 | | | 5 | 37 | 55 | 50 |
| | F | 173 | | | | 2 | 2 | 10 | 45 | 51 | 63 | 165 | | | | 1 | 2 | 9 | 25 | 64 | 64 |
| 17. Arterio-sclerosis | M | 29 | | | | | | 9 | 8 | 12 | | 36 | | | | | | 1 | 4 | 13 | 18 |
| | F | 30 | | | | | | 4 | 8 | 18 | | 32 | | | | | | | 3 | 8 | 21 |
| 18. Bronchitis | M | 45 | 3 | | | | | 15 | 10 | 17 | | 60 | 4 | 2 | | 2 | | | 12 | 17 | 23 |
| | F | 59 | | | | | | 7 | 17 | 35 | | 69 | 3 | 1 | 2 | 1 | | 1 | 5 | 14 | 42 |
| 19. Pneumonia (all forms) | M | 36 | 8 | 2 | 3 | | 2 | 5 | 10 | 2 | 4 | 33 | 7 | 2 | 1 | | | 5 | 9 | 4 | 5 |
| | F | 27 | 5 | 3 | 2 | 1 | | 2 | 5 | 1 | 8 | 44 | 9 | 2 | 2 | 2 | 1 | 7 | 3 | 10 | 8 |
| 20. Other respiratory diseases | M | 25 | | | | | | 2 | 12 | 7 | 4 | 40 | 1 | | | | 1 | 7 | 19 | 10 | 2 |
| | F | 10 | | 1 | | | | | 4 | 1 | 4 | 20 | | | | | | 2 | 4 | 7 | 7 |
| 21. Ulcer of stomach or duodenum | M | 11 | | | | | 1 | 3 | 4 | 3 | | 10 | | | | | | 3 | 2 | 4 | 1 |
| | F | 2 | | | | | | | | 2 | | 3 | | | | | | | | | 3 |
| 22. Diarrhoea, &c. | M | 8 | 4 | 2 | 1 | | | | | | 1 | 8 | 5 | | 1 | | | | | 1 | 1 |
| | F | 16 | 6 | 2 | | | | | 4 | 2 | 2 | 13 | 2 | 2 | 1 | | | 1 | 1 | 3 | 3 |
| 23. Appendicitis and Typhlitis | M | 10 | | | | 3 | | 3 | 2 | 2 | | 7 | | | | 2 | 1 | 2 | 2 | | |
| | F | 7 | | 1 | | | 2 | 2 | 2 | | | 8 | | | | 2 | 2 | | | 2 | |
| 24. Cirrhosis of Liver | M | 5 | | | | | 1 | 1 | 2 | | 1 | 2 | | | | | | | 1 | 1 | |
| | F | 3 | | | | | | 1 | 1 | 1 | | 2 | | | | | | | | 1 | |
| 25. Acute and chronic nephritis | M | 25 | | | | 1 | 1 | 1 | 13 | 7 | 2 | 36 | | 1 | | 3 | 1 | 1 | 17 | 6 | 7 |
| | F | 29 | | | | | | 6 | 6 | 14 | 3 | 18 | 1 | | | | | 1 | 6 | 6 | 4 |
| 26. Puerperal sepsis | M | | | | | | | | | | | | | | | | | | | | |
| | F | 2 | | | | | | 2 | | | | 4 | | | | | 2 | | | | |
| 27. Other accidents and diseases of pregnancy and parturition | M | | | | | | | | | | | | | | | | | | | | |
| | F | 7 | | | | | 2 | 5 | | | | 13 | | | | | 1 | 11 | 1 | | |
| 28. Congenital Debility and malformation, premature birth | M | 35 | 34 | 1 | | | | | | | | 75 | 75 | | | | | | | | |
| | F | 27 | 26 | | | 1 | | | | | | 34 | 33 | | | | | 1 | | | |
| 29. Suicide | M | 6 | | | | | | 2 | 3 | 1 | | 10 | | | | | | 5 | 4 | 1 | |
| | F | 3 | | | | | 1 | 2 | | | | 7 | | | | | | 1 | 5 | 1 | |
| 30. Other deaths from violence | M | 32 | 1 | | 2 | 5 | 5 | 9 | 8 | | 2 | 44 | 3 | | 2 | 4 | 6 | 9 | 13 | 5 | 2 |
| | F | 10 | | | 2 | 1 | 2 | | 1 | 1 | 3 | 17 | 1 | 1 | 1 | | 1 | 2 | 3 | 4 | 4 |
| 31. Other defined diseases | M | 102 | 12 | 2 | 2 | 5 | 2 | 8 | 35 | 29 | 97 | 250 | 15 | 4 | 1 | 5 | 9 | 18 | 30 | 54 | 114 |
| | F | 261 | 8 | 3 | 3 | 5 | 4 | 18 | 30 | 39 | 151 | 311 | 7 | 4 | 1 | 2 | 7 | 14 | 52 | 47 | 177 |
| 32. Causes ill-defined or unknown | M | 4 | 1 | | | | | 1 | | | | 9 | 1 | | | | | | 7 | 1 | |
| | F | 2 | 1 | | | | | | | 1 | | 4 | 1 | | | | | | 2 | 1 | |

