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Staffordshire (England). County Council.

Publication/Creation

1917

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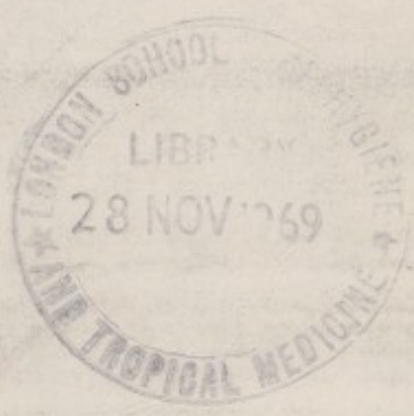
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STAFFORDSHIRE COUNTY COUNCIL.

Annual Report

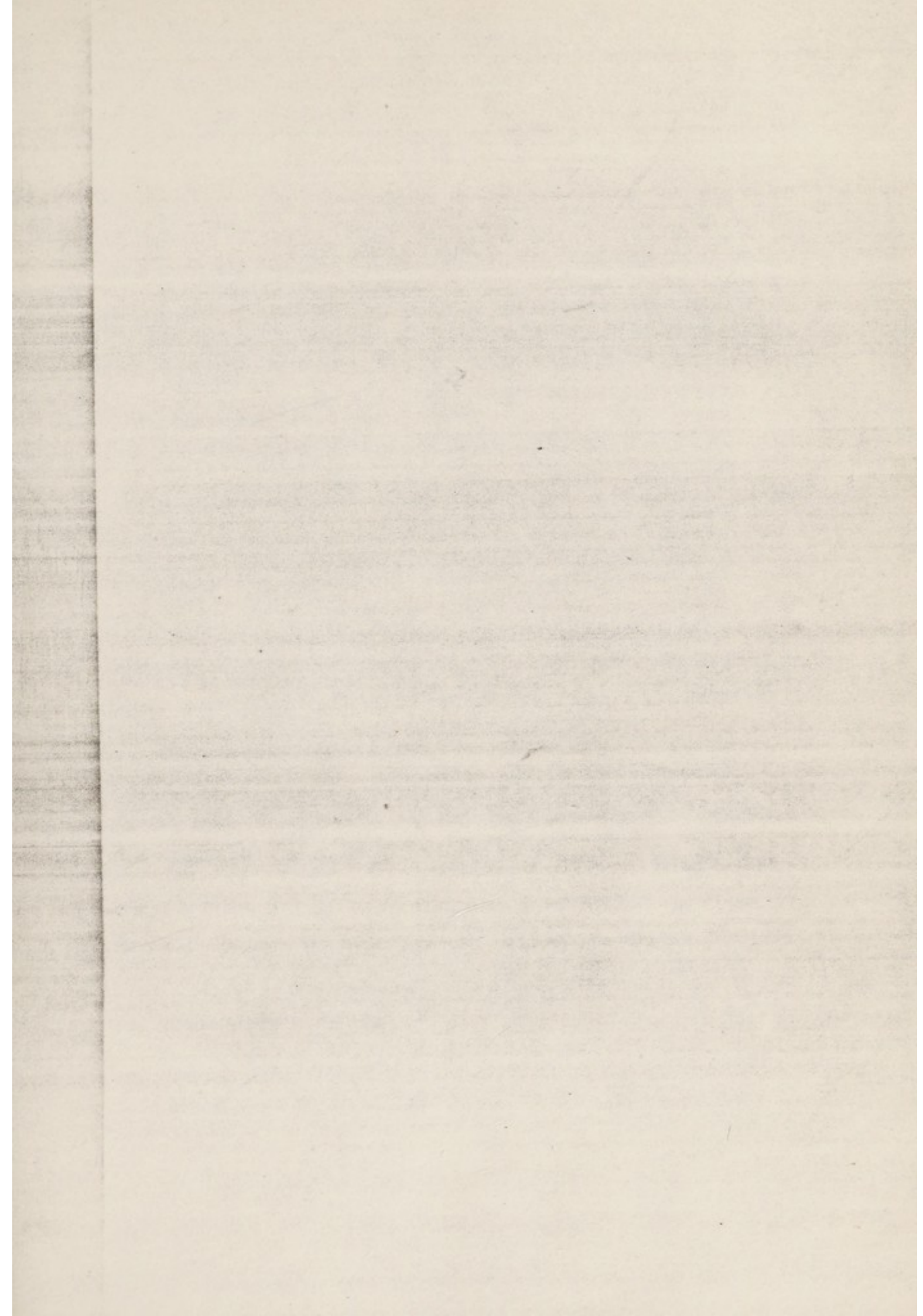
OF THE
MEDICAL OFFICER OF HEALTH,

GEORGE REID, O.B.E., M.D., D.P.H.,

For the Year 1917.


STAFFORD:
Printed by J. & C. MORR, LTD., 39, Greengate Street.

1918.



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Staffordshire County Council.

Annual Report of the Medical Officer of Health,

*Presented to the Council at the Quarterly Meeting,
November 16th, 1918.*

Preliminary Note.

This, my Twenty-ninth Annual Report, is again considerably curtailed because of the instructions of the Local Government Board to the effect that during the war medical officers of health are not expected to give a detailed account of sanitary work during the year, but, apart from statistical matter, to confine themselves to references to specially important matters. Reference to the text of the reports of district medical officers of health, therefore, is again omitted. I give, however, a short summary of the work carried on by the Public Health Committee for the twelve months ending June 30th, 1918, together with special summary tables dealing with the more important statistics. As regards the detail tables of statistics, the matter has been curtailed and re-arranged in accordance with the instructions of the Local Government Board, and the summary table dealing with the sanitary work in the districts is again omitted.

For the first time, a report dealing with the first complete year's working of the County health visiting scheme is added to this report as an appendix.

GEO. REID,
County Medical Officer of Health.

Stafford,
September, 1918.

Summary of the Year's Work.

SUMMARY OF YEAR'S WORK OF THE PUBLIC HEALTH COMMITTEE OF THE COUNTY COUNCIL.

The County health visiting scheme, embracing an area in which the local authorities had not previously established schemes has been carried on most successfully as will be seen from the report which is reproduced as an appendix to this report. It will be seen the population under the scheme has been increased since its inauguration, and at the present time negotiations are in progress with the object of extending the scheme to other areas where local schemes are in operation.

As a complement to the health visiting scheme but applicable to the Administrative County as a whole, a scheme for supplementing the present midwifery service of the County has been approved by the County Council, and, through the agency of the County Nursing Association, some progress has been made in supplying the more urgent needs, in anticipation of a final agreement being arrived at with that Association as to financial arrangements in view of the greatly increased all-round cost of maintaining the needful machinery.

The difficult problem of making adequate provision for the treatment of venereal diseases has practically been solved and an efficient scheme has been in operation in the south of the County since April 1st last, the treatment centre being at the Wolverhampton General Hospital. As regards the north of the County, circumstances beyond the control of the County Council have, unfortunately, delayed the coming into operation of a scheme for establishing a treatment centre at the North Staffordshire Infirmary to serve the County Borough of Stoke-on-Trent as well as this County and part of Cheshire. In all probability that part of the general scheme will be in operation before this report is presented to the County Council.

The routine work under the Rivers Pollution Prevention Acts has proceeded on former lines, the work of inspecting sewage disposal works having gone on systematically. The County Rivers Inspector pays surprise visits to the various sewage disposal works, and it is satisfactory to be able to record that his visits continue to be appreciated rather than resented.

Matters, of course, have not improved as regards direct pollution of streams, both in the north and south of the County, by discharges from munition works. In some instances, also, the connection of such works with sewers has taxed the purifying capacity of disposal works and rendered precautionary measures necessary in order to prevent serious damage to the plant.

The construction of new works, for which plans have been approved, as well as additions and improvements in existing works, involving capital outlay, are still in abeyance pending the termination of the war.

The arrangement made by the Council for the gratuitous bacteriological examination at the Birmingham University in suspected cases of diphtheria, enteric fever, and tuberculosis continues to be appreciated and taken advantage of as will be seen from the following figures:—

| | DIPHTHERIA. | | | | TUBERCLE. | | | | ENTERIC FEVER. | | | |
|---|-------------|-----------|-----------|---------------|-----------|-----------|-----------|--------|----------------|-----------|-----------|--------------|
| | Positive. | Negative. | Doubtful. | Total. | Positive. | Negative. | Doubtful. | Total. | Positive. | Negative. | Doubtful. | Total. |
| Commencement of Scheme, Oct. 20, 1898, to June 30, 1899 | 110 | 101 | 1 | 212 | ... | ... | ... | ... | ... | ... | ... | ... |
| { From July 1, 1899, to June 30, 1900 | 196 | 180 | 2 | 378 | ... | ... | ... | ... | ... | ... | ... | ... |
| { From Jan., 1900, to June 30, 1900... | ... | ... | ... | ... | 9 | 14 | ... | 23 | 5 | 4 | ... | 9 |
| From July 1, 1900, to June 30, 1901 | 350 | 350 | 30 | 730 | 30 | 70 | ... | 100 | 36 | 36 | 2 | 74 |
| " " 1901, " " 1902 | 190 | 367 | 14 | 571 | 25 | 67 | ... | 92 | 26 | 32 | 3 | 61 |
| " " 1902, " " 1903 | 247 | 421 | ... | 668 | 45 | 77 | ... | 122 | 8 | 41 | ... | 49 |
| " " 1903, " " 1904 | 183 | 324 | ... | 507 | 41 | 107 | ... | 148 | 3 | 34 | 4 | 41 |
| " " 1904, " " 1905 | 231 | 494 | 22 | 747 | 36 | 100 | ... | 136 | 8 | 24 | ... | 32 |
| " " 1905, " " 1906 | 271 | 469 | 15 | 755 | 56 | 103 | ... | 159 | 13 | 34 | 4 | 51 |
| <i>a</i> " " 1906, " " 1907 | 714 | 771 | ... | 1485 | 82 | 120 | ... | 202 | 18 | 45 | ... | 63 |
| <i>b</i> " " 1907, " " 1908 | 660 | 943 | ... | 1603 | 47 | 103 | ... | 150 | 5 | 33 | 1 | 39 |
| " " 1908, " " 1909 | 333 | 637 | ... | 970 | 48 | 155 | ... | 203 | 15 | 132 | 3 | 150 |
| " " 1909, " " 1910 | 350 | 904 | 1 | 1255 | 62 | 187 | ... | 249 | 11 | 57 | 1 | 69 |
| <i>c</i> " " 1910, " " 1911 | 442 | 1518 | 1 | 1961 | 55 | 196 | 1 | 252 | 13 | 69 | 3 | 85 |
| <i>d</i> " " 1911, " " 1912 | 311 | 1035 | ... | <i>e</i> 1346 | 13 | 253 | ... | 266 | 11 | 202 | 4 | 217 <i>f</i> |
| " " 1912, " " 1913 | 175 | 549 | ... | 724 | 109 | 424 | ... | 533 | 10 | 35 | ... | 45 |
| <i>i</i> " " 1913, " " 1914 | 449 | 1249 | ... | <i>g</i> 1698 | 102 | 536 | ... | 638 | 4 | 51 | ... | 55 |
| " " 1914, " " 1915 | 471 | 1218 | ... | <i>h</i> 1689 | 110 | 410 | ... | 520 | 21 | 52 | ... | 73 |
| <i>j</i> " " 1915, " " 1916 | 297 | 774 | ... | <i>k</i> 1071 | 87 | 343 | ... | 430 | 11 | 30 | 1 | 42 |
| <i>l</i> " " 1916, " " 1917 | 352 | 810 | ... | <i>m</i> 1162 | 119 | 422 | ... | 541 | 10 | 32 | 1 | 43 |
| <i>n</i> " " 1917, " " 1918 | 426 | 1000 | ... | <i>o</i> 1426 | 124 | 639 | ... | 763 | 6 | 24 | 1 | 31 |
| Totals from commencement of Scheme to June 30, 1918..... | 6758 | 14114 | 86 | 20958 | 1200 | 4326 | 1 | 5527 | 234 | 967 | 28 | 1229 |

a Seven special examinations of Cerebro-Spinal fluid for Meningococcus.

b From this year onwards, excluding Smethwick, now a County Borough.

c Excluding five Pottery Towns which, with Hanley, now constitute the new County Borough of Stoke-on-Trent.

d Handsworth added to Birmingham C.B., November 9, 1911.

e Including 224 "Contacts."

f Including 109 Special Blood Examinations from Cheddleton Asylum.

g Including 185 "Contacts."

h Including 117 "Contacts."

i Twelve Special Examinations of Cerebro-Spinal fluid and swabs for Meningococcus.

j Thirty-two ditto ditto ditto

k Including 106 "Contacts."

l Thirty-one Special Examinations of Cerebro-Spinal fluid and swabs for Meningococcus.

m Including 75 "Contacts."

n Forty-eight Special Examinations of Cerebro-Spinal fluid and swabs for Meningococcus.

o Including 159 "Contacts."

With reference to the administration of the Midwives Act 1902, the Council have already been informed as to the progress of the work in the two divisions of the County, but the following statement, which I have compiled from official returns and from information supplied by the Inspectors, will indicate the present position of the County as regards the number of midwives on the Register, and the number who have notified their intention to practise, as well as other details.

The number of certificated midwives on the Roll is 661, of whom 301 have notified their intention to practise, 145 being trained midwives. In addition to these, 56 midwives residing in County boroughs and adjoining counties have also notified their intention to practise within the Administrative County.

The ages of midwives who were practising in the Administrative County on 30th June in the four years 1915—1918 are indicated in groups in the following table:—

| YEAR. | 25 to 45 | | 45 to 65 | | 65 and upwards | | Totals. | |
|---------|----------|-------|----------|-------|----------------|-------|---------|-------|
| | North | South | North | South | North | South | North | South |
| 1915 .. | 48 | 53 | 77 | 79 | 32 | 32 | 157 | 164 |
| 1916 .. | 37 | 66 | 74 | 66 | 33 | 39 | 144 | 171 |
| 1917 .. | 37 | 59 | 75 | 59 | 34 | 33 | 146 | 151 |
| 1918 .. | 38 | 58 | 72 | 52 | 35 | 38 | 145 | 148 |

As regards the number of cases attended by midwives during 1917 in the two areas respectively, the figures are as follows:—

| | No. of Midwives. | Births attended. | Total Births. | Percentage attended by Midwives. | Mean number of cases attended per Midwife. |
|----------|------------------|------------------|---------------|----------------------------------|--|
| North .. | 147 | 3213 | 4897 | 65.6 | 22.1 |
| South .. | 154 | 7164 | 10113 | 70.8 | 48.4 |

The total number of cases attended by midwives only in the Administrative County during 1917 was 10,377, the

total number of births registered being 15,010. It thus appears that midwives attended approximately 69 per cent. of the total births in the County, the percentage for the previous year being 64.

During the period covered by this summary (July 1st, 1917, to June 30th, 1918), in compliance with the rules of the Central Midwives' Board, 1,423 notifications have been received from certified midwives.

The following figures show the number and nature of notifications received during the past 13 years:—

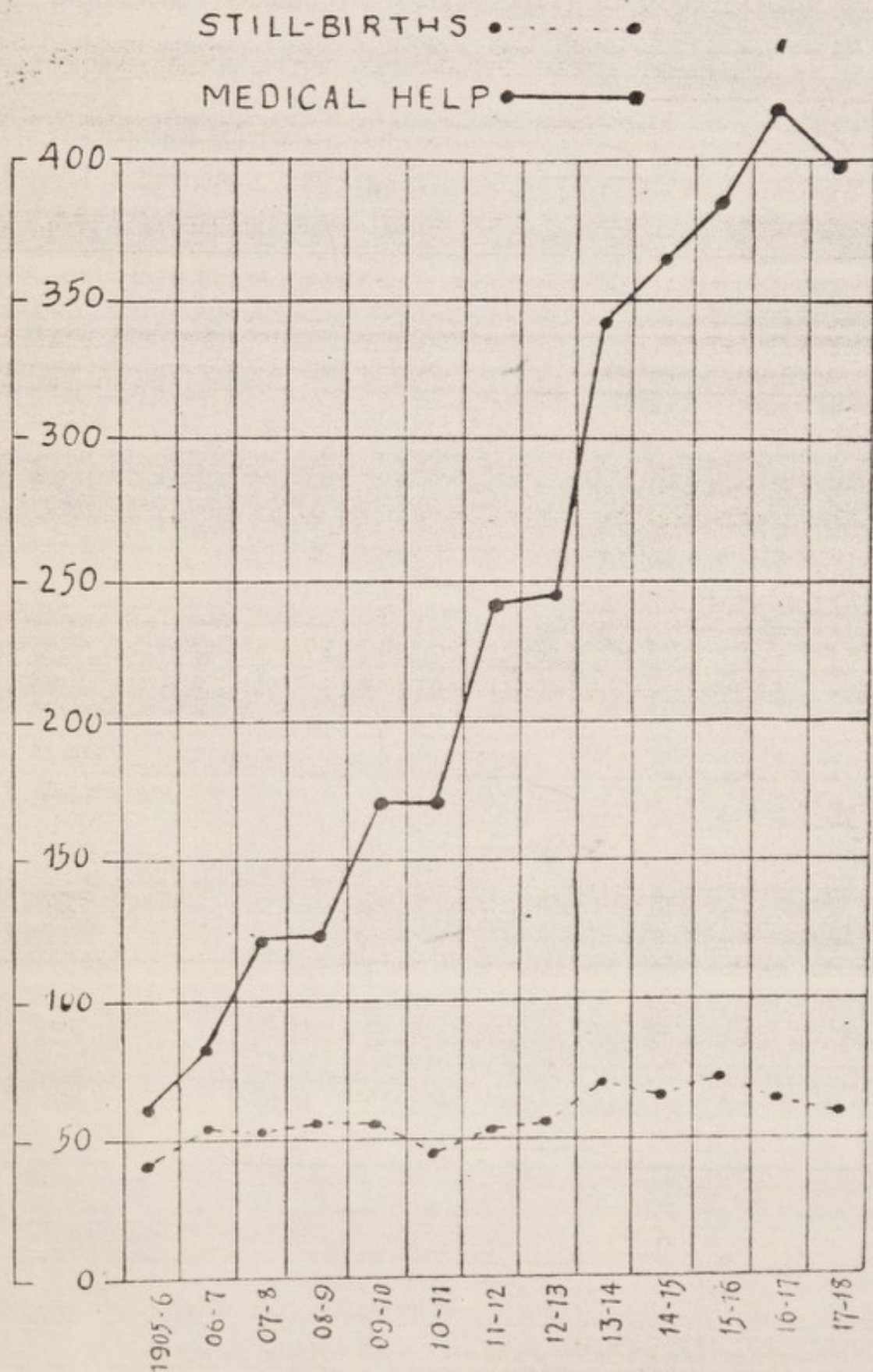
| | Mean for 5 years | | 1915-16 | 1916-17 | 1917-18 |
|--------------------------|----------------------|-----------------------|---------|---------|---------|
| | 1905-6 to 1909-10 | 1910-11 to 1914-15 | | | |
| Sending for medical help | 547 | 979 | 1209 | 1291 | 1202 |
| Still Births | 285 | 217 | 234 | 213 | 192 |
| Death of Mother | 3·4 | 2·8 | 4 | 2 | 2 |
| Death of Child | 37 | 35 | 35 | 34 | 27 |

In considering the above figures regard must be paid to the total number of births, when it will be seen that although for the first time there was a decline in 1917-18 in the number of occasions of sending for medical help, relatively that number was higher than in the previous year, the births in the last year being only 15,010 compared with 16,611 the previous year. This steady increase in the notifications of sending for medical help is highly satisfactory as it justifies the inference that midwives are continuing to benefit by the instruction of the Inspectors, and are realising more and more the importance of not undertaking the sole care of cases presenting abnormal features.

These figures are all the more satisfactory in view of the fact that in 1907 Smethwick was constituted a County Borough, thus removing 40 certified midwives from the number under the control of the Local Supervising Authority of the County, and also because of the transference of 73 midwives to the Local Supervising Authority of the County Borough of Stoke-on-Trent, constituted in 1910, and the inclusion of Handsworth in the County Borough of Birmingham in November, 1911.

The significance of these figures becomes more apparent when represented in diagrammatic form showing the relative proportion of medical help and still birth forms per 100 midwives in each year:—

NOTIFICATIONS PER 100 MIDWIVES



It will thus be seen that while the notifications of still births were pretty constant, varying between the limits of 43 and 73 per 100 midwives, the corresponding figures of sending for medical help steadily progressed from 63 in 1905-6 to 420 and 400 in 1916-17 and 1917-18 respectively. The slight decline this year in the hitherto steadily ascending column is more than accounted for by the greatly reduced number of births.

To some extent the increase during the past five years in the medical help cases may be accounted for by the Treasury maternity grant of 30s.

The following figures show the causes which occasioned the sending for medical help :—

| Causes of sending for medical aid. | Northern District | Southern District | Total. |
|--|-------------------|-------------------|--------|
| PREGNANCY : | | | |
| Abortion | 16 | 33 | 49 |
| Threatened abortion | 10 | 5 | 15 |
| Puffiness of face and hands | 1 | — | 1 |
| Premature birth | — | 5 | 5 |
| Fainting | 2 | 4 | 6 |
| Varicose veins | 1 | 1 | 2 |
| Fits | 1 | 5 | 6 |
| Vaginal discharge | — | 3 | 3 |
| Unsatisfactory condition | 5 | 4 | 9 |
| Prolapse of uterus | 2 | — | 2 |
| Excessive sickness | — | 2 | 2 |
| Loss of blood | 1 | 5 | 6 |
| History of previous still-births and abortions | — | 9 | 9 |
| Sore of genitals | 1 | 4 | 5 |
| | 40 | 80 | 120 |

| Causes of sending for medical aid. | | | | Northern District | District Southern | Total |
|------------------------------------|----|----|----|----------------------|----------------------|-------|
| LABOUR : | | | | | | |
| Abnormal presentation | .. | .. | .. | 24 | 50 | 74 |
| Delayed or difficult.. | .. | .. | .. | 86 | 191 | 277 |
| Placenta prævia | .. | .. | .. | 1 | 1 | 2 |
| Hæmorrhage ante | .. | .. | .. | 13 | 16 | 29 |
| Ditto post | .. | .. | .. | 10 | 33 | 43 |
| Eclampsia | .. | .. | .. | — | 9 | 9 |
| Prolapse of cord | .. | .. | .. | 2 | 12 | 14 |
| Lacerated perinæum | .. | .. | .. | 50 | 118 | 168 |
| Retained placenta and membranes | | | | 12 | 34 | 46 |
| Unsatisfactory condition | .. | .. | .. | 18 | 5 | 23 |
| Cough | .. | .. | .. | 1 | 3 | 4 |
| Inertia | .. | .. | .. | 13 | 21 | 34 |
| Contracted pelvis | .. | .. | .. | 1 | 5 | 6 |
| LYING-IN : | | | | 231 | 498 | 729 |
| High Temperature | .. | .. | .. | 11 | 36 | 47 |
| Inflamed and painful leg | .. | .. | .. | 1 | — | 1 |
| Convulsions | .. | .. | .. | — | 2 | 2 |
| Unsatisfactory condition | .. | .. | .. | 3 | 9 | 12 |
| Offensive lochia | .. | .. | .. | — | 1 | 1 |
| Rigor | .. | .. | .. | 1 | — | 1 |
| Inflamed breast | .. | .. | .. | 1 | — | 1 |
| Unusual swelling of breasts | .. | | | — | 3 | 3 |
| Abdominal swelling and tenderness | | | | 1 | — | 1 |
| CHILD : | | | | 18 | 51 | 69 |
| Deformities | .. | .. | .. | 11 | 8 | 19 |
| Convulsions | .. | .. | .. | 5 | 5 | 10 |
| Inflamed and discharging eyes | .. | | | 21 | 37 | 58 |
| Feebleness and prematurity | .. | | | 52 | 98 | 150 |
| Unsatisfactory condition | .. | .. | .. | 16 | 8 | 24 |
| Rash | .. | .. | .. | — | 1 | 1 |
| Pemphigus | .. | .. | .. | 2 | 5 | 7 |
| Triplets | .. | .. | .. | 1 | — | 1 |
| Spina Bifida.. | .. | .. | .. | 1 | 5 | 6 |
| Hare lip and cleft palate | .. | .. | .. | 2 | 4 | 6 |
| Club foot | .. | .. | .. | — | 2 | 2 |
| | | | | 111 | 173 | 284 |
| Grand Total | | | | 400 | 802 | 1202 |

Unless reliable information is otherwise forthcoming, it is the routine practice to specially inquire into the circumstances attending all still-births reported by midwives, also, in special circumstances, inquiries are made into cases where medical help is sent for as well as when deaths of mothers or infants are reported, and it is the invariable practice when cases of puerperal fever attended by a midwife only in the first instance are reported to specially inquire into the circumstances. In the following table figures are given showing the number of ordinary visits paid by the Midwife Inspectors as well as special visits, the outcome of notifications received :—

VISITS OF INSPECTORS, NOTIFICATIONS, INQUIRIES, &C., DURING THE TWELVE MONTHS,
JULY 1ST, 1917, TO JUNE 30TH, 1918.

| District | No. of Mid-wives on List | Trained | Un-trained | Visits | Inter-views. | Notifications. | | | | | | Inquiries. | | | | | | | |
|----------|--------------------------|---------|------------|--------|--------------|--------------------|--------------|--------|-------|------------------|---------------------|-------------------------------------|--------------------|--------------|--------|-------|------------------|---------------------|-------------------------------------|
| | | | | | | Medical Assistance | Still Births | Deaths | | Puer-peral Fever | Laying out the dead | Liability to be source of infection | Medical Assistance | Still Births | Deaths | | Puer-peral Fever | Laying out the dead | Liability to be source of infection |
| | | | | | | | | Mother | Child | | | | | | Mother | Child | | | |
| North.. | 147 | 65 | 82 | 506 | 431 | 400 | 68 | ... | 6 | 4 | 3 | 8 | 48 | 40 | ... | 6 | 3 | 3 | 8 |
| South.. | 154 | 80 | 74 | 615 | 597 | 802 | 124 | 2 | 21 | 10 | 5 | 8 | 95 | 72 | 2 | 27 | 7 | 4 | 7 |
| Total... | 301 | 145 | 156 | 1121 | 1028 | 1202 | 192 | 2 | 27 | 14 | 8 | 16 | 143 | 112 | 2 | 33 | 10 | 7 | 15 |

As regards the number of visits paid by the two inspectors, it will be seen that those in the southern area exceed those in the northern. This is entirely accounted for by the fact that the population in the south is larger and much more concentrated, thus necessitating the expenditure of less time in travelling. These facts were taken into account in constituting the two areas, the object aimed at being to equalise the work as far as possible.

As regards ophthalmia cases, the following figures indicate the degree of severity of the cases reported, all of which were enquired into by the midwife inspectors:—

| | Enquiries. | Slight cases. | Severe cases. |
|----------------------|------------|---------------|---------------|
| Southern district .. | 42 | 25 | 17 |
| Northern district .. | 27 | 14 | 13 |
| | — | — | — |
| Totals .. | 69 | 39 | 30 |
| | — | — | — |

For the first time, apart from the initial enquiries, special visits have been paid in order to ascertain the conditions as regards the sight of each infant on the termination of the treatment.

As regards the slight cases, complete recovery took place in every case. With reference to the severe cases, a clear history of venereal disease was established in 15 cases, and of the 30 cases 27 recovered without damage to sight. Of the three remaining cases, one lost the sight of one eye, one, who had lost the sight of both eyes, died from convulsions, probably of syphilitic origin, and the third died from malnutrition while the eyes were under treatment. It speaks well for the measures adopted for dealing with these cases that out of such a large number only one of the survivors suffered permanent injury, and that as affecting one eye only.

In addition to the routine inquiries, 22 reported irregularities were specially investigated. Of these, 11 were dealt with by letters of caution from the County Medical Officer of Health; three were formally censured by the Local Supervising Authority; five were reported to the Central Midwives' Board; in one case the midwife voluntarily surrendered her certificate; and in two cases the circumstances did not

warrant any action being taken. As regards the five midwives reported to the Central Midwives' Board, in two cases the midwives' names have been removed from the Roll, while the hearing of the other three cases is pending.

Since the Act came into operation, the names of 86 midwives have been removed from the Roll as the result of representations to the Board by the Local Supervising Authority.

It would appear that the policy of the Local Supervising Authority in prosecuting women who, though uncertificated, have practised as midwives, has had the desired effect, for, during the year under review no such proceedings had to be taken.

During the year four midwives have died.

In the following table particulars as regards equipment, etc., of certificated midwives are set forth :—

PARTICULARS AS TO EQUIPMENT AND EFFICIENCY OF MIDWIVES VISITED.

| District | Requirements. | | | | | No. reasonably clean as to | | | No. who can— | | | Reasonable knowledge as to treatment of mother and infant management. |
|-----------|-----------------------------|---------------|------------|------|-----------------------|----------------------------|-------|-------------------|-----------------|----------------|-----|---|
| | Washing Dresses and Aprons. | Beds Equipped | | | Case Books and Forms. | Person. | Home. | Read Thermometer. | Read and write. | Pass Catheter. | | |
| | | Fully. | Partially. | Nil. | | | | | | | | |
| North ... | 147 | 144 | 3 | ... | 147 | 144 | 145 | 144 | 135 | 73 | 147 | |
| South ... | 154 | 104 | 50 | ... | 154 | 154 | 154 | 148 | 135 | 80 | 147 | |

As regards the Sale of Food and Drugs Acts, the administration of the Acts in this County by the Public Health Committee of the County Council is highly efficient.

The County is divided into two areas under the charge of two Senior Inspectors, who have under them assistants, and who also have the power of appointing further temporary assistants as occasion requires. The work under the Weights and Measures Act is also under the same administration and staff.

As regards the number of samples collected, this County compares favourably, I think, with other counties. In the following table I have set forth the samples which were analysed during the year 1917, together with the results :—

| | No. of Samples Sub- mitted. | No. Genuine. | No. Adulter- ated. | Cautions | Prosecu- tions. | Convic- tions. |
|----------------------|--------------------------------------|-----------------|--------------------------|----------|--------------------|-------------------|
| Arrowroot.. .. | 20 | 20 | .. | .. | .. | .. |
| Bread | 7 | 7 | .. | .. | .. | .. |
| Bread (Fancy) .. | 2 | 1 | 1 | .. | .. | .. |
| Butter | 426 | 420 | 6* | 4 | .. | .. |
| Cheese | 4 | 4 | .. | .. | .. | .. |
| Cocoa | 1 | 1 | .. | .. | .. | .. |
| Coffee | 43 | 43 | .. | .. | .. | .. |
| Corn Flour | 1 | 1 | .. | .. | .. | .. |
| Custard Powder .. | 4 | 4 | .. | .. | .. | .. |
| Dripping | 17 | 17 | .. | .. | .. | .. |
| Egg Powder | 1 | 1 | .. | .. | .. | .. |
| Flour | 27 | 27 | .. | .. | .. | .. |
| Flour (Self-raising) | 48 | 48 | .. | .. | .. | .. |
| Ginger (Ground) .. | 41 | 41 | .. | .. | .. | .. |
| Lard | 285 | 283 | 2 | .. | 1 | 1 |
| Maize Flour | 1 | 1 | .. | .. | .. | .. |
| Margarine | 6 | 6 | .. | 1† | 2† | 2† |
| Milk | 884 | 817 | 67‡ | 13 | 47** | 43 |
| Mustard | 27 | 27 | .. | .. | .. | .. |
| Oatmeal | 9 | 9 | .. | .. | .. | .. |
| Olive Oil | 5 | 5 | .. | .. | .. | .. |
| Pearl Barley | 6 | 6 | .. | .. | .. | .. |
| Pepper | 151 | 151 | .. | .. | .. | .. |
| Prescriptions | 3 | 3 | .. | .. | .. | .. |
| Rice | 6 | 6 | .. | .. | .. | .. |
| Rice (Ground) | 5 | 5 | .. | .. | .. | .. |
| Sugar | 21 | 20 | 1 | 1 | .. | .. |
| Tapioca | 1 | 1 | .. | .. | .. | .. |
| Tartaric Acid | 5 | 5 | .. | .. | .. | .. |
| Tea | 2 | 2 | .. | .. | .. | .. |
| Totals | 2059 | 1981 | 77 | 19 | 50 | 46 |

* In one case no proceedings taken; one sample unofficial.

† Also three samples exposed for sale unlabelled, and one sample delivered to purchaser in plain wrapper.

‡ No proceedings in two cases; in one case sample repeated.

** One case withdrawn, two cases dismissed and one prosecuted for obstructing Inspector. In addition, there were two prosecutions against one vendor for refusing to supply samples, followed by convictions.

Summary of Statistics.

AREA AND POPULATION.

While the area of the Administrative County remains the same, an alteration has to be recorded in the areas and populations of two constituent districts by the enlargement of the Borough of Stafford at the expense of the Stafford Rural District. This alteration of boundary, which was effected on April 1st, 1917, has added 2,336 acres to the Borough and increased the population by 3,770. The Registrar General has adjusted the populations of the two districts in question for statistical purposes.

The populations of the various districts used in calculating the death-rates are the civil populations as supplied to me by the Registrar General, but the birth-rates are estimated on different populations, also supplied by the Registrar General, and based on the assumption that the ratio between total and civilian population is the same in the districts as in England and Wales as a whole.

In the following table, the census population of the Administrative County for 1911, the civil population estimated to the middle of 1917, and the estimated population for the purpose of arriving at the birth-rate are set forth :—

| | Census, 1911. | Estimated Civil Population middle of 1917 | Estimated Population for Birth-rate. |
|-------------|---------------|---|--|
| Urban | 459,811 | 450,200 | 501,848 |
| Rural | 208,030 | 191,777 | 213,777 |
| Total..... | 667,841 | 641,977 | 715,625 |

BIRTHS.

The births registered in the Administrative County numbered 15,010, the number in the urban districts being 10,915, and in the rural districts 4,095.

The mean birth-rates in the whole Administrative County and in the urban and rural districts respectively for five quinquennial periods and for the past four years are shown in the following table, in which corresponding rates in England and Wales are included :—

| DISTRICTS. | | BIRTH-RATE PER 1000 OF POPULATION. | | | | | | | | |
|----------------------------|-----------------------------|------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------|------|------|------|
| | | 5 Years 1889-1893. | 5 Years 1894-1898. | 5 Years 1899-1903. | 5 Years 1904-1908. | 5 Years 1909-1913. | 1914 | 1915 | 1916 | 1917 |
| Staffordshire | Combined Urban & Rural.. | 33·6 | 33·2 | 32·5 | 30·3 | 27·8 | 27·5 | 25·6 | 23·4 | 20·9 |
| | Urban..... | 35·5 | 34·7 | 33·6 | 31·5 | 29·2 | 29·1 | 27·0 | 24·4 | 21·7 |
| | Rural | 30·2 | 30·5 | 30·2 | 27·0 | 24·4 | 23·8 | 22·5 | 21·2 | 19·1 |
| England and Wales | | 30·8 | 29·7 | 28·7 | 26·9 | 24·5 | 23·8 | 21·8 | 21·6 | 17·8 |
| Large Towns in England. | | 31·5 | 30·7 | 29·7 | 27·8 | 25·2 | 25·0 | 22·8 | ...* | 18·1 |

* Not given by Registrar General.

It will be noticed that there is again a serious decline in the birth-rates both in urban and rural areas and a corresponding decline is recorded for the country as a whole.

DEATHS.

The number of deaths among the civil population of the Administrative County amounted to 8,758, the number in the urban districts being 6,261, and in the rural districts 2,497.

In the following table comparative rates for five quinquennial periods and for the past four years are given, together with corresponding figures for the country as a whole, and for large and small towns throughout England :—

| | | DEATH-RATE PER 1000 OF POPULATION. | | | | | | | | |
|--------------------|----------------------------|------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------|------|------|------|
| | | 5 Years 1889-1893. | 5 Years 1894-1898. | 5 Years 1899-1903. | 5 Years 1904-1908. | 5 Years 1909-1913. | 1914 | 1915 | 1916 | 1917 |
| Staffordshire | Combined Urban & Rural. | 18.1 | 16.9 | 16.1 | 14.6 | 14.1 | 14.1 | 15.2 | 14.2 | 13.6 |
| | Urban..... | 18.9 | 17.5 | 16.6 | 15.1 | 14.7 | 14.9 | 15.9 | 14.5 | 13.9 |
| | Rural | 16.8 | 15.7 | 15.1 | 13.4 | 12.7 | 12.3 | 13.7 | 13.7 | 13.0 |
| England and Wales | | 19.1 | 17.4 | 16.9 | 15.3 | 13.9 | 14.0 | 15.1 | 14.0 | 14.4 |
| Large Towns..... | | 21.0 | 19.0 | 18.2 | 15.8 | 14.3 | 14.7 | 15.6 | 14.4 | 14.6 |
| Smaller Towns..... | | 17.6 | 15.9 | 15.7 | 14.9 | 13.6 | 13.4 | 14.8 | 13.0 | 13.2 |

It will be seen that both the urban and rural rates compare favourably with those of previous years and also with those for England and Wales generally.

INFANTILE MORTALITY.

It is satisfactory to be able to record that the steady decline in infant mortality in the Administrative County during recent years has been maintained, the urban mortality this year being 92, compared with 96 the previous year, and the rural 83, compared with 82, a slight increase which does not materially affect the general decline. Having regard to this steady decline in recent years, one is justified in concluding that it is largely attributable to recent special efforts in the direction of the conserving of infant life.

SPECIAL ZYMOTIC DEATH-RATE.

It is satisfactory to be able to state that no case of small-pox has occurred in the Administrative County during the year.

Measles.—In the Administrative County, 321 deaths occurred from measles, as compared with 84 in 1916, equal to a rate per 1,000 of the population of 0.50, as against 0.12. Of these deaths, 279 occurred in the urban districts, or 0.61 per 1,000, and 42 in the rural districts, producing a rate of 0.21 per thousand.

In the following table corresponding figures are given for five quinquennial periods, and for the past four years :—

| MEASLES. | | 5 years. 1889-1893. | 5 years. 1894-1898. | 5 years. 1899-1903. | 5 years. 1904-1908. | 5 years. 1909-1913. | 1914 | 1915 | 1916 | 1917 |
|----------|---------------|------------------------|------------------------|------------------------|------------------------|------------------------|------|------|------|------|
| Urban | No. of Deaths | 195 | 239 | 188 | 211 | 268 | 154 | 282 | 70 | 279 |
| | Rate per 1000 | 0.50 | 0.58 | 0.42 | 0.41 | 0.54 | 0.32 | 0.62 | 0.15 | 0.61 |
| Rural | No. of Deaths | 66 | 69 | 40 | 39 | 30 | 24 | 74 | 14 | 42 |
| | Rate per 1000 | 0.29 | 0.30 | 0.17 | 0.19 | 0.14 | 0.11 | 0.37 | 0.07 | 0.21 |

Scarlet Fever.—In the Administrative County, 16 deaths occurred from scarlet fever, as compared with 54 in 1916, equal to a rate per 1,000 of the population of 0.02, as compared with 0.08. Of these deaths, 11 occurred in the urban districts, or 0.02 per 1,000, and 5 in the rural districts, producing a rate of 0.02 per 1,000. In the following table corresponding figures are given for five quinquennial periods, and for the past four years :—

| SCARLET FEVER. | | 5 years. 1889-1893. | 5 years. 1894-1898. | 5 years. 1899-1903. | 5 years. 1904-1908. | 5 Years 1909-1913. | 1914 | 1915 | 1916 | 1917 |
|----------------|---------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------|------|------|------|
| Urban | No. of Deaths | 76 | 95 | 87 | 56 | 43 | 57 | 41 | 38 | 11 |
| | Rate per 1000 | 0.19 | 0.23 | 0.19 | 0.11 | 0.08 | 0.12 | 0.09 | 0.08 | 0.02 |
| Rural | No. of Deaths | 39 | 37 | 36 | 16 | 11 | 7 | 7 | 16 | 5 |
| | Rate per 1000 | 0.17 | 0.16 | 0.15 | 0.08 | 0.05 | 0.03 | 0.03 | 0.08 | 0.02 |

Diphtheria and Membranous Croup.—In the Administrative County, 127 deaths occurred from diphtheria and membranous croup, as compared with 156 in 1916, equal to a rate per 1,000 of the population of 0.19, as against 0.23. Of these deaths, 88 occurred in the urban districts, or 0.19 per 1,000, and 39 in the rural districts, producing a rate of 0.20 per 1,000. In the following table corresponding figures are given for five quinquennial periods, and for the past four years :—

| DIPHTHERIA. | | 5 years. 1889-1893. | 5 years. 1894-1898. | 5 years. 1899-1903. | 5 years. 1904-1908. | 5 Years. 1909-1913. | 1914 | 1915 | 1916 | 1917 |
|-------------|---------------|------------------------|------------------------|------------------------|------------------------|------------------------|------|------|------|------|
| Urban | No. of Deaths | 16 | 79 | 91 | 84 | 56 | 76 | 69 | 121 | 88 |
| | Rate per 1000 | 0.04 | 0.19 | 0.20 | 0.16 | 0.11 | 0.16 | 0.15 | 0.26 | 0.19 |
| Rural | No. of Deaths | 20 | 52 | 72 | 28 | 26 | 35 | 36 | 35 | 39 |
| | Rate per 1000 | 0.09 | 0.23 | 0.31 | 0.14 | 0.12 | 0.16 | 0.17 | 0.17 | 0.20 |

Whooping Cough.—In the Administrative County 115 deaths occurred from whooping cough, as compared with 122 in 1916, equal to a rate per 1,000 of the population of 0.17, as against 0.18. Of these deaths, 101 occurred in urban districts, or 0.22 per 1,000, and 14 in rural districts, producing a rate of 0.07 per 1,000. In the following table corresponding figures are given for five quinquennial periods, and for the past four years :—

| WHOOPIING COUGH | | 5 years. 1889-1893. | 5 years. 1894-1898. | 5 years. 1899-1903. | 5 years. 1904-1908. | 5 Years 1909-1913. | 1914 | 1915 | 1916 | 1917 |
|-----------------|----------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------|------|------|------|
| Urban | No. of deaths. | 182 | 172 | 152 | 175 | 132 | 135 | 179 | 93 | 101 |
| | Rate per 1000 | 0.47 | 0.42 | 0.34 | 0.34 | 0.27 | 0.28 | 0.39 | 0.20 | 0.22 |
| Rural | No. of deaths | 52 | 54 | 44 | 42 | 40 | 27 | 41 | 29 | 14 |
| | Rate per 1000 | 0.22 | 0.24 | 0.19 | 0.20 | 0.19 | 0.12 | 0.20 | 0.14 | 0.07 |

Enteric Fever.—This disease, which must be looked upon as being entirely preventable, caused 11 deaths, compared with 18 in 1916, equal to a rate of 0.01, as against 0.02. Of these, 8 occurred in urban and 3 in rural districts, equalling a rate per 1,000 of the population respectively of 0.01. In the following table corresponding figures are given for five quinquennial periods, and for the past four years :—

| ENTERIC FEVER. | | 5 years. 1889-1893. | 5 years. 1894-1898. | 5 years. 1899-1903. | 5 years. 1904-1908. | 5 Years 1909-1913. | 1914 | 1915 | 1916 | 1917 |
|----------------|---------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------|------|------|------|
| Urban | No. of deaths | 59 | 84 | 71 | 49 | 24 | 20 | 12 | 14 | 8 |
| | Rate per 1000 | 0.15 | 0.20 | 0.16 | 0.09 | 0.05 | 0.04 | 0.02 | 0.03 | 0.01 |
| Rural | No. of deaths | 29 | 19 | 22 | 6 | 9 | 5 | 2 | 4 | 3 |
| | Rate per 1000 | 0.12 | 0.08 | 0.09 | 0.03 | 0.04 | 0.02 | 0.01 | 0.02 | 0.01 |

Diarrhœa and Enteritis.—Until lately it has been the practice to record the diarrhœa death-rate on the basis of general population, but the Registrar-General has now taken as a basis the number of deaths from this disease among infants under two years per 1,000 births registered during the year. As it is only among infants that deaths from diarrhœa are significant from a health point of view, this new method of utilizing the figures available will, as time goes on and comparative records are extended, afford a more valuable index as to the efficacy of the preventive measures in operation.

The following are the mean rates for urban and rural areas in the Administrative County on the new basis of calculation :—Urban, 12·3 ; and rural, 6·8. The rates for individual areas are set forth in the detail tables at the end of this Report.

Tuberculosis.—Since February 1st, 1913, tuberculosis (both pulmonary and other forms), which had been partially notifiable previously, became universally notifiable.

In the following table figures are given showing the number of primary notifications received from medical practitioners, medical officers of institutions, and school medical inspectors during the twelve months, sub-divided as regards sex, age periods, and locality of disease.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

Summary of Notifications during the period of twelve months from 31st Dec., 1916, to 29th Dec., 1917.

| Primary Notifications by Practitioners and Medical Officers of Institutions. | | | | | | | | | | | | | | Primary Notifications by School Medical Inspectors. | | | | |
|--|----|----|----|----|----|----|----|----|----|----|----|----|-----------------|---|---------|---------|----------|--------|
| Age periods | .. | .. | 0 | 1 | 5 | 10 | 15 | 20 | 25 | 35 | 45 | 55 | 65 and upwards. | Total. | Under 5 | 5 to 10 | 10 to 15 | Total. |
| | | | to | to | to | to | to | to | to | to | to | to | | | | | | |
| | | | 1 | 5 | 10 | 15 | 20 | 25 | 35 | 45 | 55 | 65 | | | | | | |
| Pulmonary Males | .. | | 1 | 26 | 23 | 13 | 46 | 34 | 70 | 68 | 36 | 19 | 6 | 342 | 1 | 6 | 2 | 9 |
| „ Females | .. | | 1 | 10 | 23 | 25 | 37 | 50 | 76 | 52 | 14 | 9 | 2 | 299 | — | 6 | 11 | 17 |
| Non-pulm. Males | .. | | 10 | 31 | 21 | 10 | 10 | 3 | 6 | 6 | 1 | 2 | — | 100 | — | 11 | 2 | 13 |
| „ Females | .. | | 5 | 18 | 15 | 14 | 12 | 6 | 4 | 2 | 2 | 1 | — | 79 | — | 4 | 10 | 14 |

It is interesting to note that fewer notifications have been received this year than in 1916, and that the numbers have declined each year since notification became general, as will be seen by the following figures :—

1913—1,722 1915—1,233 1917—873

1914—1,399 1916—1,048

No doubt the diminishing figures are explained by a surmise I made four years ago that the early figures would be higher than those of the succeeding few years, because they naturally would include a considerable number of cases of long standing.

URBAN.

| DISTRICT. | Births. | Deaths from all causes. | Deaths under 1 year. | Enteric Fever. | Smallpox. | Measles | Scarlet Fever. | Whooping Cough. | Diphtheria and Croup. | Influenza. | Erysipelas. | Phthisis (Pulmonary Tuberculosis). | Tuberculous Meningitis. | Other Tuberculous Diseases. | Cancer, Malignant Disease. | Rheumatic Fever. | Meningitis. | Organic Heart Disease. | Bronchitis. | Pneumonia (all forms). | Other Diseases of Respiratory Organs. | Diarrhoea and Enteritis under 2 years | Appendicitis and Typhlitis. | Cirrhosis of Liver. | Alcoholism. | Nephritis and Bright's Disease. | Puerperal Fever. | Other Accidents & Diseases of Pregnancy & Parturition. | Congenital Debility and Malformation, including Premature Birth. | Violent Deaths, excluding Suicide. | Suicides. | Other Defined Diseases. | Diseases ill-defined or unknown. |
|-------------------|---------|-------------------------|----------------------|----------------|-----------|---------|----------------|-----------------|-----------------------|------------|-------------|------------------------------------|-------------------------|-----------------------------|----------------------------|------------------|-------------|------------------------|-------------|------------------------|---------------------------------------|---------------------------------------|-----------------------------|---------------------|-------------|---------------------------------|------------------|--|--|------------------------------------|-----------|-------------------------|----------------------------------|
| Ambecote | 56 | 48 | 7 | .. | .. | 1 | .. | .. | .. | 1 | .. | 4 | .. | 1 | 3 | .. | .. | 3 | 5 | 2 | 2 | 1 | .. | 1 | .. | 2 | .. | .. | 3 | 2 | 17 | .. | |
| Andley | 337 | 174 | 33 | .. | .. | .. | .. | 1 | 3 | 2 | 1 | 9 | 23 | 4 | 19 | 1 | 1 | 17 | 12 | 9 | 2 | 3 | .. | .. | .. | 6 | 1 | 1 | 14 | 11 | 54 | 1 | |
| Biddulph | 198 | 87 | 19 | 1 | .. | 1 | 1 | 1 | 4 | 5 | .. | 5 | 1 | 3 | 5 | 1 | .. | 6 | 6 | 5 | 2 | 2 | 2 | 1 | .. | 2 | .. | 1 | 7 | 2 | 24 | 1 | |
| Bilston | 660 | 441 | 96 | 1 | .. | 31 | .. | 7 | 4 | 25 | .. | 37 | 5 | 2 | 26 | 1 | 1 | 26 | 34 | 45 | 5 | 10 | 2 | 1 | .. | 11 | 1 | 1 | 44 | 13 | 102 | 4 | |
| Brierley Hill.... | 283 | 170 | 23 | .. | .. | 3 | .. | 1 | 1 | 2 | .. | 7 | 1 | 3 | 13 | 1 | 2 | 26 | 11 | 21 | 1 | 3 | .. | 1 | .. | 1 | .. | .. | 4 | 10 | 54 | 2 | |
| Brownhills | 489 | 202 | 52 | 1 | .. | 7 | 1 | 2 | 5 | 2 | .. | 9 | 1 | 3 | 8 | 1 | 5 | 19 | 16 | 14 | 3 | 4 | .. | 1 | .. | 2 | .. | 1 | 26 | 12 | 1 | 56 | 3 |
| Cannock | 864 | 358 | 85 | 1 | .. | 13 | .. | 1 | 6 | 8 | .. | 24 | 5 | 5 | 22 | 2 | 4 | 25 | 32 | 25 | 4 | 12 | 1 | 1 | .. | 3 | .. | 2 | 45 | 9 | 103 | 5 | |
| Coseley | 582 | 334 | 45 | .. | .. | 29 | .. | 10 | 1 | 5 | .. | 26 | .. | 6 | 20 | .. | 4 | 29 | 29 | 31 | 1 | 6 | 1 | .. | .. | 4 | .. | 1 | 15 | 11 | 1 | 103 | 1 |
| Darlaston | 460 | 273 | 41 | .. | .. | 11 | .. | 9 | .. | 4 | .. | 23 | .. | 4 | 12 | 1 | 3 | 33 | 26 | 39 | 1 | 9 | 3 | 3 | .. | 2 | .. | .. | 14 | 9 | 1 | 64 | 2 |
| Heath Town.... | 246 | 144 | 23 | .. | .. | 1 | .. | 3 | 3 | .. | .. | 14 | .. | 1 | 6 | .. | 4 | 12 | 9 | 20 | 4 | 6 | 3 | .. | .. | 4 | 1 | .. | 5 | 3 | 45 | .. | |
| Kilsgrove..... | 229 | 104 | 24 | 1 | .. | .. | .. | .. | 4 | 2 | .. | 5 | 1 | 1 | 8 | .. | 2 | 4 | 12 | 11 | .. | 3 | .. | .. | .. | 1 | .. | .. | 7 | 9 | 1 | 31 | .. |
| Leek | 270 | 225 | 28 | .. | .. | 5 | .. | .. | 15 | 3 | .. | 22 | .. | 2 | 16 | 2 | 1 | 25 | 20 | 14 | 2 | 4 | 1 | .. | .. | 13 | .. | .. | 14 | 3 | 1 | 62 | .. |
| Lichfield | 144 | 114 | 14 | 1 | .. | 1 | .. | 1 | 1 | 3 | 1 | 9 | .. | 2 | 8 | .. | 1 | 12 | 5 | 11 | 1 | 1 | 1 | .. | .. | 3 | .. | .. | 5 | 2 | 45 | .. | |
| Newcastle | 385 | 267 | 30 | .. | .. | .. | .. | 2 | 1 | 9 | .. | 28 | .. | 7 | 20 | .. | .. | 25 | 31 | 23 | 2 | 4 | 2 | 1 | .. | 15 | 1 | .. | 14 | 10 | 66 | .. | |
| Perry Barr..... | 50 | 20 | 3 | .. | .. | 1 | .. | .. | .. | 1 | .. | .. | 1 | .. | 2 | .. | .. | 3 | 1 | 1 | .. | 1 | .. | .. | .. | 1 | 1 | .. | .. | 1 | 6 | .. | |
| Quarry Bank... | 188 | 100 | 16 | .. | .. | 8 | .. | 1 | .. | .. | .. | 5 | 1 | 1 | 4 | 1 | .. | 9 | 14 | 6 | 1 | 3 | 2 | .. | .. | 1 | 1 | .. | 4 | 4 | 31 | 3 | |

Table showing Population, Number of Persons per Acre, Birth and Death-rates, as well as the Death-rates at all ages and among Children under 1 year, and the Death-rates from Zymotic Diseases, Phthisis, Diseases of the Respiratory Organs, &c.

URBAN.

| DISTRICT. | Population at all ages. | | Birth-rate. | Death-rate. | Number of persons per acre. | Birth-rate per 1000 of population. | General mortality per 1000 of population. | Mortality in children under one year per 1000 registered births. | Zymotic mortality. | | | | | | | Diarrhoea and Enteritis (under 2 years). | Phthisis. | Tuberculous Meningitis and other Tuberculous Diseases. | Cancer, Malignant Disease. | Bronchitis. | Pneumonia (all forms). | Other Diseases of Respiratory Organs. | Cirrhosis of Liver. | Alcoholism. | Nephritis and Bright's Disease. | Congenital Debility and Malformation including Premature Birth. |
|-----------------|-------------------------|---------------|-------------|-------------|-----------------------------|------------------------------------|---|--|-------------------------|------|------|------|------|------|------------------|--|-----------|--|----------------------------|-------------|------------------------|---------------------------------------|---------------------|-------------|---------------------------------|---|
| | Census 1911. | Estimated for | | | | | | | Per 1000 of population. | | | | | | Per 1000 Births. | | | | | | | | | | | |
| Ambicote | 3155 | 3261 | 2925 | 4.4 | 17.1 | 16.4 | 125 | .. | 0.34 | .. | .. | .. | .. | .. | 17.8 | 1.36 | 0.34 | 1.02 | 1.70 | 0.68 | 0.68 | 0.34 | .. | .. | 0.68 | 1.02 |
| Audley | 14776 | 15808 | 14181 | 1.7 | 21.3 | 12.2 | 98 | .. | .. | .. | 0.07 | 0.21 | .. | .. | 8.9 | 0.63 | 0.42 | 1.33 | 0.84 | 0.63 | 0.14 | .. | .. | 0.42 | 0.98 | |
| Biddulph | 7422 | 8469 | 7597 | 1.3 | 23.3 | 11.4 | 96 | .. | 0.13 | 0.13 | 0.13 | 0.52 | 0.13 | .. | 10.1 | 0.65 | 0.52 | 0.65 | 0.78 | 0.65 | 0.26 | .. | .. | 0.26 | 0.92 | |
| Bilston | 25681 | 27565 | 24728 | 13.2 | 23.9 | 17.8 | 145 | .. | 1.25 | .. | 0.28 | 0.16 | 0.04 | 0.04 | 15.1 | 1.49 | 0.28 | 1.05 | 1.37 | 1.81 | 0.20 | 0.04 | .. | .. | 0.44 | 1.77 |
| Brerley Hill... | 12263 | 12923 | 11593 | 11.4 | 21.9 | 14.6 | 81 | .. | 0.25 | .. | 0.08 | 0.08 | .. | .. | 10.6 | 0.60 | 0.34 | 1.12 | 0.94 | 1.81 | 0.08 | 0.08 | .. | .. | 0.08 | 0.34 |
| Brownhills | 16852 | 19047 | 17087 | 1.0 | 25.6 | 11.8 | 106 | .. | 0.40 | 0.05 | 0.11 | 0.29 | 0.05 | 0.05 | 8.1 | 0.52 | 0.23 | 0.46 | 0.93 | 0.81 | 0.17 | 0.05 | .. | .. | 0.11 | 0.52 |
| Cannock | 28586 | 32087 | 28785 | 3.5 | 26.9 | 12.4 | 98 | .. | 0.45 | .. | 0.03 | 0.20 | 0.03 | 0.03 | 13.8 | 0.83 | 0.34 | 0.76 | 1.11 | 0.86 | 0.13 | 0.03 | .. | .. | 0.10 | 1.56 |
| Coseley | 22834 | 24409 | 21897 | 5.8 | 23.8 | 15.2 | 77 | .. | 1.32 | .. | 0.45 | 0.04 | .. | .. | 10.3 | 1.18 | 0.27 | 0.91 | 1.32 | 1.41 | 0.04 | .. | .. | .. | 0.18 | 0.68 |
| Darlaston | 17107 | 18903 | 16958 | 18.5 | 24.3 | 16.0 | 89 | .. | 0.64 | .. | 0.53 | .. | .. | .. | 19.5 | 1.35 | 0.23 | 0.70 | 1.53 | 2.29 | 0.05 | 0.17 | .. | .. | 0.11 | 0.82 |
| Heath Town... | 12276 | 11855 | 10635 | 12.0 | 20.7 | 13.5 | 93 | .. | .. | 0.09 | 0.28 | 0.28 | .. | .. | 24.3 | 1.31 | 0.09 | 0.56 | 0.84 | 1.88 | 0.37 | .. | .. | .. | 0.37 | 0.47 |
| Kilbuck | 9012 | 9988 | 8960 | 2.8 | 22.9 | 11.6 | 104 | .. | .. | .. | .. | 0.44 | 0.11 | 0.11 | 13.1 | 0.55 | 0.22 | 0.88 | 1.33 | 1.22 | .. | .. | .. | .. | 0.11 | 0.77 |
| Leek | 16663 | 17760 | 15932 | 10.9 | 15.2 | 14.1 | 103 | .. | 0.31 | .. | .. | .. | 0.94 | .. | 14.8 | 1.38 | 0.12 | 1.00 | 1.25 | 0.87 | 0.12 | .. | .. | .. | 0.81 | 0.87 |
| Lichfield | 8616 | 8839 | 7929 | 2.2 | 16.2 | 14.3 | 97 | .. | 0.12 | .. | 0.12 | 0.12 | 0.12 | 0.12 | 6.9 | 1.13 | 0.25 | 1.00 | 0.63 | 1.38 | 0.12 | .. | .. | .. | 0.37 | 0.63 |
| Newcastle | 20201 | 20658 | 18532 | 27.6 | 18.6 | 14.4 | 78 | .. | .. | .. | 0.10 | 0.05 | .. | .. | 10.3 | 1.50 | 0.37 | 1.07 | 1.67 | 1.23 | 0.10 | 0.05 | .. | .. | 0.80 | 0.75 |
| Perry Barr..... | 2403 | 2710 | 2431 | 0.6 | 18.4 | 8.2 | 60 | .. | 0.41 | .. | .. | .. | .. | .. | 20.0 | .. | 0.41 | 0.82 | 0.41 | 0.41 | .. | .. | .. | .. | 0.41 | .. |
| Quarry Bank... | 7393 | 8155 | 7316 | 10.9 | 23.0 | 13.6 | 85 | .. | 1.09 | .. | 0.13 | .. | .. | .. | 16.0 | 0.68 | 0.27 | 0.54 | 1.91 | 0.81 | 0.13 | .. | .. | .. | 0.13 | 0.54 |

Deaths occurring during the year 1917, classified according to Diseases and Localities,

| DISTRICT. | Population at all ages. | | Number of persons per acre. | Birth-rate per 1000 of population. | General mortality per 1000 of population. | Mortality in children under one year per 1000 registered births. | Zymotic mortality. | | | | | | | Phthisis. | Tuberculous Meningitis and other Tuberculous Diseases. | Cancer, Malignant Disease. | Bronchitis. | Pneumonia (all forms). | Other Diseases of Respiratory Organs. | Cirrhosis of Liver. | Alcoholism. | Nephritis and Bright's Disease. | Congenital Debility and Premature Birth. | |
|----------------------------|-------------------------|---------------|-----------------------------|------------------------------------|---|--|-------------------------|----------|----------------|-----------------|-----------------------|----------------|--|-----------|--|----------------------------|-------------|------------------------|---------------------------------------|---------------------|-------------|---------------------------------|--|------|
| | Census 1911. | Estimated for | | | | | Per 1000 of population. | | | | | | | | | | | | | | | | | |
| | | | | | | | Smallpox. | Measles. | Scarlet Fever. | Whooping Cough. | Diphtheria and Group. | Enteric Fever. | Diarrhoea and Enteritis (under 2 years). | | | | | | | | | | | |
| Rowley Regis... | 37000 | 40693 | 36505 | 9.5 | 23.4 | 12.6 | 91 | .. | 1.47 | 0.02 | 0.32 | 0.05 | .. | 5.2 | 0.79 | 0.43 | 0.51 | 1.28 | 0.51 | 0.13 | 0.10 | .. | 0.38 | 0.87 |
| Rugeley | 4504 | 4676 | 4195 | 6.4 | 22.6 | 11.2 | 75 | .. | .. | .. | .. | .. | .. | .. | 0.47 | .. | 0.47 | 0.23 | .. | .. | .. | .. | 0.23 | 0.95 |
| Sedgley | 16527 | 17462 | 15665 | 4.0 | 24.0 | 14.3 | 112 | .. | 2.29 | .. | .. | 0.12 | .. | 14.2 | 0.95 | 0.06 | 0.51 | 1.02 | 1.59 | 0.19 | 0.06 | .. | 0.44 | 0.95 |
| Short Heath... | 4075 | 4553 | 4084 | 3.8 | 25.9 | 15.9 | 50 | .. | 1.46 | 0.48 | 0.24 | .. | .. | 8.4 | 0.97 | .. | 0.24 | 0.97 | 1.95 | .. | 0.24 | .. | 0.73 | 0.48 |
| Smallthorne ... | 13559 | 14519 | 13025 | 4.8 | 21.4 | 13.2 | 90 | .. | 0.07 | 0.15 | .. | 0.15 | .. | 6.4 | 1.45 | 0.23 | 0.61 | 1.76 | 1.61 | 0.15 | .. | .. | .. | 1.15 |
| Stafford | *21856 | 26342 | 23631 | 6.9 | 18.8 | 13.7 | 66 | .. | 0.04 | 0.08 | 0.25 | .. | .. | 4.0 | 0.80 | 0.25 | 1.39 | 1.35 | 1.05 | 0.33 | .. | .. | 0.16 | 0.46 |
| Stone | 5688 | 5170 | 4638 | 4.3 | 14.8 | 14.0 | 90 | .. | 0.21 | .. | .. | 0.64 | .. | .. | 1.29 | 0.43 | 1.07 | 0.64 | 0.86 | .. | .. | .. | 0.43 | 0.43 |
| Tamworth | 7738 | 7753 | 6955 | 24.4 | 20.7 | 13.0 | 62 | .. | 0.14 | .. | .. | .. | .. | .. | 1.58 | 1.00 | 0.86 | 1.00 | 0.71 | 0.43 | 0.14 | .. | 0.28 | 0.57 |
| Tettenhall | 5381 | 5678 | 5094 | 3.3 | 11.4 | 14.5 | 77 | .. | .. | .. | 0.39 | .. | .. | .. | 0.39 | 0.39 | 1.76 | 0.58 | 0.58 | 0.39 | .. | .. | 0.39 | 0.19 |
| Tipton | 31756 | 35259 | 31630 | 14.5 | 23.4 | 15.5 | 113 | .. | 0.88 | 0.03 | 0.47 | 0.94 | .. | 27.7 | 0.97 | 0.69 | 0.75 | 1.39 | 1.29 | 0.12 | 0.06 | .. | 0.25 | 1.16 |
| Uttoxeter | 5717 | 5482 | 4918 | 4.7 | 14.5 | 12.8 | 87 | .. | .. | .. | .. | 0.20 | .. | 12.5 | 0.81 | 0.20 | 1.42 | 0.40 | 1.42 | 0.20 | .. | .. | 0.40 | 1.01 |
| Wednesbury... | 28103 | 33173 | 29759 | 13.0 | 21.3 | 13.9 | 94 | .. | 0.67 | .. | 0.50 | 0.03 | 0.03 | 12.7 | 1.07 | 0.47 | 0.67 | 1.37 | 1.44 | 0.10 | 0.03 | .. | 0.30 | 0.67 |
| Wednesfield ... | 6488 | 7503 | 6731 | 2.6 | 19.4 | 12.4 | 137 | .. | 0.14 | .. | .. | .. | .. | 13.7 | 1.63 | .. | 0.59 | 0.29 | 1.63 | .. | .. | .. | 0.29 | 1.63 |
| Willenhall | 18844 | 20266 | 18180 | 14.2 | 22.2 | 16.4 | 133 | .. | 0.82 | .. | 0.49 | .. | .. | 17.7 | 1.32 | 0.33 | 0.66 | 1.32 | 2.36 | 0.33 | 0.05 | .. | 0.27 | 1.54 |
| Wolstanton | 27335 | 30882 | 27704 | 5.1 | 17.9 | 11.4 | 106 | .. | 0.14 | .. | 0.07 | 0.10 | 0.03 | 7.2 | 0.72 | 0.39 | 0.82 | 1.26 | 1.15 | 0.03 | 0.03 | .. | 0.25 | 0.97 |
| Totals and Averages | 459811 | 501848 | 450200 | 5.3 | 21.7 | 13.9 | 98 | .. | 0.61 | 0.02 | 0.22 | 0.19 | 0.01 | 12.3 | 1.01 | 0.34 | 0.85 | 1.22 | 1.27 | 0.15 | 0.04 | — | 0.30 | 0.96 |
| 96 large towns in England. | .. | .. | .. | .. | 18.1 | 14.6 | 104 | 0.00 | 0.41 | 0.03 | 0.15 | 0.13 | 0.02 | 16.1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |

* Excluding persons in Public Institutions not belonging to the Borough.

| District. | Births. | Deaths from all causes. | Deaths under 1 year. | Enteric Fever. | Smallpox. | Measles. | Scarlet Fever. | Whooping Cough. | Diphtheria and Croup. | Influenza. | Erysipelas. | Phthisis (Pulmonary Tuberculosis). | Tuberculous Meningitis. | Other Tuberculous Diseases. | Cancer, Malignant Disease. | Rheumatic Fever. | Meningitis. | Organic Heart Disease. | Bronchitis. | Pneumonia (all forms). | Other Diseases of Respiratory Organs. | Diarrhea and Enteritis under 2 years. | Appendicitis and Typhilitis. | Cirrhosis of Liver. | Alcoholism. | Nephritis and Bright's Disease. | Puerperal Fever. | Other Accidents & Diseases of Pregnancy & Parturition. | Constitutional Debility and Malformation, including Premature Birth. | Violent Deaths, excluding Suicide. | Suicides. | Other Defined Diseases. | Diseases ill-defined or unknown | |
|-----------------|---------|-------------------------|----------------------|----------------|-----------|----------|----------------|-----------------|-----------------------|------------|-------------|------------------------------------|-------------------------|-----------------------------|----------------------------|------------------|-------------|------------------------|-------------|------------------------|---------------------------------------|---------------------------------------|------------------------------|---------------------|-------------|---------------------------------|------------------|--|--|------------------------------------|-----------|-------------------------|---------------------------------|----|
| Rowley Regis... | 954 | 462 | 87 | .. | .. | 54 | 1 | 12 | 2 | 1 | 4 | 29 | 7 | 9 | 30 | .. | 3 | 20 | 47 | 30 | 5 | 5 | 1 | 4 | .. | 14 | 1 | 1 | 32 | 18 | 2 | 129 | 1 | |
| Rugeley | 106 | 47 | 8 | .. | .. | .. | .. | .. | .. | 1 | .. | 2 | .. | .. | 2 | 1 | .. | 5 | 7 | 1 | .. | .. | 1 | .. | .. | 1 | .. | .. | .. | 4 | 2 | .. | 19 | 1 |
| Sedgley | 420 | 224 | 47 | .. | .. | 36 | .. | .. | 2 | 1 | .. | 15 | 1 | .. | 8 | .. | .. | 15 | 16 | 25 | 3 | 6 | .. | 1 | .. | 7 | .. | 1 | 15 | 6 | .. | 66 | .. | |
| Short Heath.... | 118 | 65 | 6 | .. | .. | 6 | 2 | 1 | .. | 3 | 1 | 4 | .. | .. | 1 | .. | .. | 2 | 4 | 8 | .. | 1 | .. | 1 | .. | 3 | .. | 2 | 2 | 1 | 1 | 22 | .. | |
| Smallthorne ... | 311 | 173 | 28 | .. | .. | 1 | 2 | .. | 2 | .. | 1 | 19 | 1 | 2 | 8 | .. | 3 | 26 | 23 | 21 | 2 | 2 | 2 | .. | .. | .. | .. | 4 | 1 | 11 | 8 | .. | 35 | .. |
| Stafford | 497 | 326 | 33 | .. | .. | 1 | 2 | 6 | 23 | 2 | 1 | 19 | 2 | 4 | 33 | 1 | 4 | 34 | 32 | 25 | 8 | 2 | 2 | 1 | .. | .. | 4 | 1 | 1 | 11 | 8 | 1 | 99 | 1 |
| Stone..... | 77 | 65 | 7 | .. | .. | 1 | .. | .. | 3 | 1 | 1 | 6 | 1 | 1 | 5 | .. | .. | 10 | 3 | 4 | .. | .. | 1 | .. | .. | 2 | .. | 1 | 2 | 2 | 21 | .. | .. | |
| Tamworth | 161 | 91 | 10 | .. | .. | 1 | .. | .. | .. | .. | .. | 11 | 3 | 4 | 6 | 1 | 4 | 15 | 7 | 5 | 3 | .. | .. | 1 | .. | 2 | .. | 1 | 4 | 1 | 1 | 22 | .. | |
| Tettenhall | 65 | 74 | 5 | .. | .. | .. | .. | 2 | .. | 5 | .. | 2 | 1 | 1 | 9 | .. | .. | 15 | 3 | 3 | 2 | .. | 1 | .. | .. | 2 | .. | .. | 1 | 1 | 2 | 23 | 2 | |
| Tipton..... | 828 | 493 | 94 | .. | .. | 28 | 1 | 15 | 3 | 12 | .. | 31 | 7 | 15 | 24 | .. | 3 | 24 | 44 | 41 | 4 | 23 | 3 | 2 | .. | 8 | 1 | 2 | 37 | 25 | .. | 136 | 4 | |
| Uttoxeter | 80 | 63 | 7 | .. | .. | .. | .. | .. | 1 | .. | .. | 4 | 1 | .. | 7 | .. | .. | 7 | 2 | 7 | 1 | 1 | 1 | .. | .. | 2 | .. | .. | 5 | .. | .. | 24 | .. | |
| Wednesbury... | 707 | 415 | 67 | 1 | .. | 20 | .. | 15 | 1 | 3 | 2 | 32 | 3 | 11 | 20 | .. | 7 | 26 | 41 | 43 | 3 | 9 | 1 | 1 | 1 | .. | 9 | .. | 2 | 20 | 18 | 1 | 125 | 1 |
| Wednesfield ... | 146 | 84 | 20 | .. | .. | 1 | .. | .. | .. | 1 | .. | 11 | 1 | .. | 4 | .. | 2 | 7 | 2 | 11 | .. | 2 | .. | .. | .. | 2 | .. | 2 | 11 | 3 | .. | 23 | 1 | |
| Willenhall..... | 451 | 290 | 60 | .. | .. | 15 | .. | 9 | .. | 4 | .. | 24 | 1 | 5 | 12 | .. | 2 | 21 | 24 | 43 | 6 | 8 | 2 | 1 | .. | 5 | .. | .. | 28 | 9 | 2 | 78 | .. | |
| Wolstanton | 553 | 319 | 59 | 1 | .. | 4 | .. | 2 | 3 | 1 | .. | 20 | 5 | 6 | 23 | 1 | 3 | 30 | 35 | 32 | 1 | 4 | 1 | 1 | 1 | 1 | 7 | 1 | 3 | 27 | 14 | 4 | 90 | .. |
| Totals..... | 10915 | 6261 | 1077 | 8 | .. | 279 | 11 | 101 | 88 | 107 | 12 | 456 | 52 | 103 | 384 | 15 | 59 | 531 | 553 | 576 | 69 | 135 | 30 | 21 | .. | 139 | 10 | 24 | 435 | 228 | 27 | 1775 | 33 | |

| District. | Population at all ages. | | Mean area per person in acres. | Birth-rate per 1000 of population. | General mortality per 1000 of population. | Mortality in children under one year per 1000 registered births. | Zymotic mortality. | | | | | | Phthisis. | Tuberculous Meningitis and other Tuberculous Diseases. | Cancer, Malignant Disease. | Bronchitis. | Pneumonia (all forms). | Other Diseases of Respiratory Organs. | Cirrhosis of Liver. | Alcoholism. | Nephritis and Bright's Disease. | Congenital Debility and Malformation, including Premature Birth. | |
|---------------------------|-------------------------|-------------|--------------------------------|------------------------------------|---|--|--------------------|-----------------|-----------------------|----------------|--------------------------------|------|-----------|--|----------------------------|-------------|------------------------|---------------------------------------|---------------------|-------------|---------------------------------|--|----|
| | Per 1000 of population. | | | | | | | | | | | | | | | | | | | | | | |
| | Smallpox. | Measles. | | | | | Scarlet Fever. | Whooping Cough. | Diphtheria and Croup. | Enteric Fever. | Diarrhoea, &c. (under 2 yrs.). | | | | | | | | | | | | |
| Census 1911. | Estimated for | Birth-rate. | Death-rate. | | | | | | | | | | | | | | | | | | | | |
| Blore Heath ... | 2287 | 2305 | 2068 | 6.6 | 13.4 | 14.0 | 64 | .. | 0.48 | .. | .. | .. | .. | 0.48 | .. | .. | 2.41 | .. | .. | .. | .. | .. | .. |
| Cannock..... | 19786 | 21573 | 19353 | 2.7 | 19.9 | 12.9 | 86 | 0.15 | 0.05 | 0.15 | 0.10 | .. | 4.6 | 0.98 | 0.20 | 0.98 | 0.77 | 0.05 | .. | .. | 0.20 | 0.98 | .. |
| Cheadle | 26706 | 27608 | 24767 | 2.1 | 19.7 | 12.8 | 75 | .. | 0.04 | 0.16 | 0.24 | 0.04 | 7.3 | 0.76 | 0.20 | 0.76 | 0.80 | 0.04 | 0.08 | .. | 0.16 | 0.64 | .. |
| Gnosall | 4765 | 4895 | 4391 | 6.5 | 16.9 | 19.1 | 120 | 0.45 | .. | .. | .. | .. | .. | 1.59 | 0.68 | 1.36 | 1.36 | 0.22 | 0.22 | .. | 0.45 | 0.45 | .. |
| Kingswinford... | 20803 | 22644 | 20314 | 0.2 | 21.4 | 15.2 | 104 | 1.18 | .. | 0.04 | 0.04 | 0.04 | 6.1 | 0.54 | 0.49 | 1.13 | 0.88 | .. | 0.14 | 0.04 | 0.49 | 0.73 | .. |
| Leek | 15487 | 16545 | 14842 | 4.7 | 19.7 | 12.9 | 52 | 0.13 | .. | .. | 0.60 | .. | 3.0 | 0.60 | 0.26 | 1.07 | 0.87 | 0.26 | 0.13 | 0.06 | 0.33 | 0.60 | .. |
| Lichfield | 27718 | 27216 | 24415 | 2.9 | 21.3 | 11.6 | 62 | .. | .. | 0.08 | 0.16 | .. | 10.3 | 0.73 | 0.28 | 0.89 | 0.73 | 0.12 | 0.16 | .. | 0.08 | 0.73 | .. |
| Mayfield..... | 3915 | 4006 | 3594 | 6.8 | 20.2 | 14.7 | 98 | .. | .. | .. | 0.27 | .. | 12.3 | 0.83 | 0.55 | 0.55 | 0.55 | .. | .. | .. | 0.27 | 1.66 | .. |
| Newcastle | 6410 | 6487 | 5819 | 3.4 | 18.4 | 10.8 | 141 | .. | .. | .. | 0.17 | .. | 8.3 | 0.34 | .. | 0.51 | 1.03 | 0.34 | .. | .. | 0.34 | 1.83 | .. |
| Selsdon | 15074 | 16157 | 14494 | 3.0 | 14.9 | 13.7 | 70 | .. | .. | 0.13 | 0.20 | 0.06 | .. | 0.48 | 0.13 | 0.75 | 0.68 | 0.06 | .. | .. | 0.34 | 0.48 | .. |
| Shifnal | 798 | 759 | 681 | 8.0 | 9.2 | 17.6 | 428 | .. | .. | .. | .. | .. | .. | 2.93 | .. | 5.87 | .. | 1.46 | .. | .. | 1.46 | 1.46 | .. |
| (Staffs. par.) | | | | | | | | | | | | | | | | | | | | | | | |
| Stafford | 11777 | 9662 | 8668 | 6.2 | 19.1 | 13.6 | 81 | 0.11 | .. | .. | 0.46 | .. | .. | 0.69 | 0.23 | 1.84 | 0.69 | .. | 0.11 | .. | 0.46 | 0.80 | .. |
| Stoke-on-Trent | 4774 | 4690 | 4207 | 0.7 | 22.8 | 13.7 | 140 | 1.18 | .. | .. | .. | .. | 9.3 | 0.95 | .. | 0.71 | 0.95 | .. | .. | .. | 0.23 | 1.66 | .. |
| Stone..... | 14387 | 14198 | 12737 | 5.2 | 16.4 | 13.5 | 89 | .. | .. | .. | 0.23 | .. | .. | 0.61 | 0.31 | 1.33 | 0.23 | .. | 0.15 | .. | 0.23 | 0.94 | .. |
| Tamworth | 5113 | 5639 | 5059 | 4.2 | 17.3 | 10.0 | 40 | .. | .. | .. | 0.19 | .. | 10.2 | 1.38 | 0.19 | 1.18 | 0.39 | 0.19 | .. | .. | 0.19 | 0.59 | .. |
| (Staffs. par.) | | | | | | | | | | | | | | | | | | | | | | | |
| Tutbury | 9087 | 8952 | 8031 | 3.2 | 14.8 | 12.3 | 37 | 0.12 | 0.24 | .. | 0.49 | .. | .. | 0.74 | 0.37 | 0.62 | 0.87 | 0.24 | 0.12 | .. | 0.49 | 0.12 | .. |
| Uttoxeter | 8152 | 7462 | 6694 | 7.0 | 15.4 | 12.9 | 113 | 0.29 | .. | .. | .. | .. | .. | 0.89 | 0.29 | 1.04 | 0.44 | .. | .. | .. | 0.44 | 0.74 | .. |
| Walsall | 10991 | 12979 | 11643 | 1.0 | 22.5 | 11.2 | 102 | 0.17 | .. | 0.17 | .. | .. | 27.3 | 0.77 | 0.85 | 0.60 | 1.02 | 0.08 | 0.08 | .. | 0.25 | 1.28 | .. |
| Totals and Averages | 208030 | 213777 | 191777 | 3.2 | 19.1 | 13.0 | 83 | 0.21 | 0.02 | 0.07 | 0.20 | 0.01 | 6.8 | 0.74 | 0.31 | 0.96 | 0.78 | 0.10 | 0.08 | 0.01 | 0.28 | 0.80 | .. |

* Excluding 1,000 Inmates of Burntwood Asylum

| District. | Births. | Deaths from all causes. | Deaths under 1 year. | Enteric Fever. | Smallpox. | Measles. | Scarlet Fever. | Whooping Cough. | Diphtheria and Croup. | Influenza. | Erysipelas. | Phtisis (Pulmonary Tuberculosis). | Tuberculous Meningitis. | Other Tuberculous Diseases. | Cancer, Malignant Disease. | Rheumatic Fever. | Meningitis. | Organic Heart Disease. | Bronchitis. | Pneumonia (all forms). | Other Diseases of Respiratory Organs. | Diarrhoea and Enteritis under 2 years. | Appendicitis and Typhilitis. | Cirrhosis of Liver. | Alcoholism. | Nephritis and Bright's Disease. | Puerperal Fever. | Other accidents & Diseases of Pregnancy & Parturition. | Congenital Debility and Malformation, including Premature Birth. | Violent Deaths, excluding Suicide. | Suicides. | Other Defined Diseases. | Diseases ill-defined or unknown. | |
|------------------|---------|-------------------------|----------------------|----------------|-----------|----------|----------------|-----------------|-----------------------|------------|-------------|-----------------------------------|-------------------------|-----------------------------|----------------------------|------------------|-------------|------------------------|-------------|------------------------|---------------------------------------|--|------------------------------|---------------------|-------------|---------------------------------|------------------|--|--|------------------------------------|-----------|-------------------------|----------------------------------|----|
| Biore Heath .. | 31 | 29 | 2 | .. | .. | .. | 1 | .. | .. | 2 | .. | 1 | .. | .. | 4 | .. | .. | .. | .. | 5 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 16 | .. |
| Cannock..... | 430 | 234 | 37 | .. | .. | 3 | 1 | 3 | 2 | 3 | .. | 19 | 2 | 2 | 27 | 13 | 15 | 1 | 2 | 3 | .. | .. | .. | .. | .. | .. | 4 | .. | 1 | 19 | 9 | 2 | 81 | 1 |
| Cheadle | 545 | 319 | 41 | 1 | .. | .. | 1 | 4 | 6 | 13 | .. | 19 | .. | 5 | 56 | 25 | 20 | 1 | 4 | 2 | .. | .. | .. | .. | .. | .. | 4 | 1 | 1 | 16 | 11 | 3 | 100 | .. |
| Gnosall | 83 | 84 | 10 | .. | .. | 2 | .. | .. | .. | 3 | .. | 7 | .. | 3 | 10 | 9 | 6 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 1 | .. | 2 | 1 | .. | 25 | 3 |
| Kingswinford.... | 486 | 310 | 51 | 1 | .. | 24 | .. | 1 | 1 | 7 | 2 | 11 | 6 | 4 | 34 | 27 | 18 | 2 | 3 | 2 | 3 | 1 | 10 | .. | .. | .. | 10 | 5 | 1 | 15 | 13 | 1 | 94 | 3 |
| Leek | 326 | 192 | 17 | .. | .. | 2 | .. | .. | 9 | 6 | .. | 9 | 2 | 2 | 27 | 15 | 13 | 4 | 1 | .. | 2 | 1 | .. | .. | .. | .. | 5 | 1 | 1 | 9 | 8 | 3 | 55 | 1 |
| Lichfield | 581 | 285 | 36 | .. | .. | .. | .. | 2 | 4 | 9 | 1 | 18 | 3 | 4 | 27 | 19 | 18 | 3 | 6 | 1 | 4 | .. | .. | .. | .. | .. | 2 | .. | .. | 18 | 10 | 2 | 105 | 1 |
| Mayfield..... | 81 | 53 | 8 | .. | .. | .. | .. | .. | 1 | 1 | .. | 3 | .. | 2 | 6 | 2 | 2 | .. | 1 | 1 | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 6 | 1 | 1 | 23 | .. |
| Newcastle | 120 | 63 | 17 | .. | .. | .. | .. | .. | 1 | 1 | .. | 2 | .. | .. | 7 | 7 | 6 | 2 | 1 | .. | .. | .. | .. | .. | .. | .. | 2 | .. | .. | 11 | 4 | .. | 15 | 1 |
| Seisdon | 241 | 200 | 17 | 1 | .. | .. | .. | 2 | 3 | 8 | .. | 7 | .. | 2 | 23 | 16 | 10 | 1 | .. | .. | .. | .. | 1 | .. | .. | .. | 5 | .. | 2 | 7 | 9 | 1 | 90 | .. |
| Shifnal | 7 | 12 | 3 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 1 | .. | .. | 3 | .. |
| (Staffs. por.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stafford | 185 | 118 | 15 | .. | .. | 1 | .. | .. | 4 | .. | .. | 6 | 1 | 1 | 12 | 10 | 6 | .. | .. | 1 | .. | .. | .. | .. | .. | 1 | 4 | .. | .. | 7 | 6 | .. | 37 | .. |
| Stoke-on-Trent | 107 | 58 | 15 | .. | .. | 5 | .. | .. | .. | .. | .. | 4 | .. | .. | 7 | 6 | 4 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | .. | 1 | 7 | 2 | .. | 17 | .. |
| Stone..... | 234 | 172 | 21 | .. | .. | .. | .. | .. | 3 | 2 | .. | 8 | 2 | 2 | 27 | 10 | 3 | .. | .. | 2 | .. | .. | 1 | .. | .. | .. | 8 | 2 | .. | 12 | 7 | 2 | 66 | .. |
| Tamworth | 98 | 51 | 4 | .. | .. | .. | .. | .. | 1 | .. | .. | 7 | 1 | .. | 6 | 5 | 2 | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | 3 | 3 | .. | 14 | .. |
| (Staffs. por.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tutbury | 133 | 90 | 5 | .. | .. | 1 | 2 | .. | 4 | 1 | .. | 6 | 2 | 1 | 14 | 9 | 7 | 2 | .. | 1 | .. | .. | .. | .. | .. | 1 | 4 | .. | 1 | 1 | 4 | .. | 33 | .. |
| Uttoxeter | 115 | 87 | 13 | .. | .. | 2 | .. | .. | .. | 1 | .. | 6 | .. | 2 | 13 | 8 | 3 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 3 | .. | .. | 6 | 3 | 1 | 32 | .. |
| Walsall | 292 | 131 | 30 | .. | .. | 2 | .. | 2 | .. | 1 | .. | 9 | 2 | 8 | 8 | 10 | 12 | 1 | 8 | 1 | .. | .. | 8 | .. | 1 | .. | 3 | .. | 1 | 15 | 7 | .. | 33 | .. |
| Totals..... | 4095 | 2407 | 342 | 3 | .. | 42 | 5 | 14 | 39 | 58 | 3 | 142 | 22 | 39 | 308 | 191 | 150 | 20 | 28 | 13 | 17 | 2 | 55 | 5 | 12 | 154 | 98 | 16 | 839 | 10 | | | | |

Table showing the number of cases of certain Infectious Diseases notified in each sanitary area during the year 1917, and the Attack-Rates per 1000 of the population.

URBAN.

| DISTRICT. | Estimated Civil Population in the middle of 1917. | Small-pox. | | Scarlet Fever. | | Diphtheria. | | Enteric Fever. | | Puerperal Fever. | | Erysipelas. | | Continued Fever Cases. | Cerebro-spinal Fever Cases. | Polio-myelitis Cases. |
|-------------------|---|------------|-------|----------------|-------|-------------|-------|----------------|-------|------------------|-------|-------------|-------|------------------------|-----------------------------|-----------------------|
| | | Cases. | Rate. | Cases. | Rate. | Cases. | Rate. | Cases. | Rate. | Cases. | Rate. | Cases. | Rate. | | | |
| Amblecote | 2925 | .. | .. | 1 | 0.34 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Audley | 14181 | .. | .. | 44 | 3.10 | 31 | 2.19 | .. | .. | .. | .. | 2 | 0.14 | .. | .. | .. |
| Biddulph | 7597 | .. | .. | 83 | 10.93 | 25 | 3.29 | 1 | 0.13 | .. | .. | 1 | 0.13 | .. | .. | .. |
| Blilton | 24728 | .. | .. | 29 | 1.17 | 12 | 0.49 | 1 | 0.04 | .. | .. | 3 | 0.12 | .. | .. | .. |
| Brierley Hill.... | 11593 | .. | .. | 1 | 0.09 | 3 | 0.26 | .. | .. | .. | .. | 4 | 0.35 | .. | .. | .. |
| Brownhills | 17087 | .. | .. | 51 | 2.98 | 40 | 2.34 | 1 | 0.06 | 2 | 0.12 | 5 | 0.29 | .. | .. | 1 |
| Cannock | 28785 | .. | .. | 28 | 0.97 | 19 | 0.66 | 1 | 0.03 | .. | .. | 13 | 0.45 | .. | .. | 1 |
| Coseley | 21897 | .. | .. | 19 | 0.87 | 2 | 0.09 | 1 | 0.05 | .. | .. | 10 | 0.46 | .. | .. | .. |
| Darlaston | 16958 | .. | .. | 21 | 1.24 | .. | .. | 1 | 0.06 | .. | .. | 1 | 0.06 | .. | .. | .. |
| Heath Town.... | 10635 | .. | .. | 22 | 2.07 | 8 | 0.75 | .. | .. | 1 | 0.09 | .. | .. | .. | .. | .. |
| Kidsgrove..... | 8960 | .. | .. | 12 | 1.34 | 21 | 2.34 | 2 | 0.22 | .. | .. | 3 | 0.33 | .. | 1 | .. |
| Leek | 15932 | .. | .. | 20 | 1.26 | 112 | 7.03 | .. | .. | .. | .. | 5 | 0.31 | .. | .. | .. |
| Lichfield | 7929 | .. | .. | 6 | 0.76 | 3 | 0.38 | 1 | 0.13 | 2 | 0.25 | 2 | 0.25 | .. | 2 | .. |
| Newcastle | 18532 | .. | .. | 21 | 1.13 | 23 | 1.24 | 3 | 0.16 | .. | .. | 3 | 0.16 | .. | 1 | .. |
| Perry Barr..... | 2431 | .. | .. | .. | .. | 1 | 0.41 | .. | .. | 1 | 0.41 | 1 | 0.41 | .. | .. | .. |
| Quarry Bank... | 7316 | .. | .. | 4 | 0.55 | 2 | 0.27 | 1 | 0.14 | 1 | 0.14 | 4 | 0.55 | .. | .. | .. |

URBAN—continued.

| DISTRICT. | Estimated Civil Population in the middle of 1917. | Small-pox. | | Scarlet Fever. | | Diphtheria. | | Enteric Fever. | | Puerperal Fever. | | Erysipelas. | | Continued Fever Cases. | Cerebro- spinal Fever Cases. | Polio- myelitis Cases. |
|------------------|--|------------|-------|-------------------|-------|-------------|-------|-------------------|-------|---------------------|-------|-------------|-------|------------------------------|---------------------------------------|------------------------------|
| | | Cases. | Rate. | Cases. | Rate. | Cases. | Rate. | Cases. | Rate. | Cases. | Rate. | Cases. | Rate. | | | |
| Rowley Regis... | 36505 | .. | .. | 31 | 0·85 | 13 | 0·36 | .. | .. | .. | .. | 18 | 0·49 | .. | 1 | .. |
| Rugeley | 4195 | .. | .. | 8 | 1·91 | 1 | 0·24 | 2 | 0·48 | 1 | 0·24 | 1 | 0·24 | .. | .. | .. |
| Sedgley | 15665 | .. | .. | 29 | 1·85 | 12 | 0·77 | .. | .. | .. | .. | 9 | 0·57 | .. | .. | .. |
| Short Heath... | 4084 | .. | .. | 67 | 16·41 | 2 | 0·49 | .. | .. | .. | .. | 2 | 0·49 | .. | .. | .. |
| Smallthorne ... | 13025 | .. | .. | 25 | 1·92 | 65 | 4·99 | 1 | 0·08 | .. | .. | 4 | 0·31 | .. | .. | .. |
| Stafford | 24376 | .. | .. | 113 | 4·78 | 281 | 11·89 | 1 | 0·04 | .. | .. | 8 | 0·34 | .. | 1 | .. |
| Stone..... | 4638 | .. | .. | 1 | 0·22 | 64 | 13·80 | .. | .. | .. | .. | 3 | 0·65 | .. | .. | .. |
| Tamworth | 6955 | .. | .. | 1 | 0·14 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Tettenhall | 5094 | .. | .. | 2 | 0·39 | 2 | 0·39 | .. | .. | .. | .. | 1 | 0·20 | .. | .. | .. |
| Tipton | 31630 | .. | .. | 16 | 0·51 | 14 | 0·44 | 3 | 0·09 | 1 | 0·03 | 20 | 0·63 | .. | 1 | .. |
| Uttoxeter | 4918 | .. | .. | 18 | 3·66 | 7 | 1·42 | .. | .. | .. | .. | 1 | 0·20 | .. | .. | .. |
| Wednesbury... | 29759 | .. | .. | 23 | 0·77 | 5 | 0·17 | 1 | 0·03 | 1 | 0·03 | 17 | 0·57 | .. | .. | .. |
| Wednesfield ... | 6731 | .. | .. | 14 | 2·08 | 8 | 1·19 | .. | .. | .. | .. | 2 | 0·30 | .. | .. | .. |
| Willenhall..... | 18180 | .. | .. | 20 | 1·10 | 2 | 0·11 | 1 | 0·06 | .. | .. | 5 | 0·28 | .. | 4 | .. |
| Wolstanton | 27704 | .. | .. | 38 | 1·37 | 32 | 1·16 | 2 | 0·07 | 2 | 0·07 | 8 | 0·20 | .. | 1 | .. |

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RURAL.

| DISTRICT. | Estimated Civil Population in the middle of 1917. | Small-pox. | | Scarlet Fever. | | Diphtheria. | | Enteric Fever. | | Puerperal Fever. | | Erysipelas. | | Continued Fever Cases. | Cerebro-spinal Fever Cases. | Polio-myelitis Cases. |
|-------------------|---|------------|-------|----------------|-------|-------------|-------|----------------|-------|------------------|-------|-------------|-------|------------------------|-----------------------------|-----------------------|
| | | Cases. | Rate. | Cases. | Rate. | Cases. | Rate. | Cases. | Rate. | Cases. | Rate. | Cases. | Rate. | | | |
| Blore Heath ... | 2068 | .. | .. | 7 | 3.38 | 6 | 2.90 | .. | .. | 1 | 0.48 | 1 | 0.48 | .. | .. | .. |
| Cannock, | 19353 | .. | .. | 19 | 0.98 | 21 | 1.09 | .. | .. | .. | .. | 8 | 0.41 | .. | .. | .. |
| Cheadle | 24767 | .. | .. | 51 | 2.06 | 24 | 0.97 | 1 | 0.04 | 1 | 0.04 | 6 | 0.24 | .. | 1 | .. |
| Gnosall | 4391 | .. | .. | 8 | 1.82 | 5 | 1.14 | .. | .. | .. | .. | 1 | 0.23 | .. | .. | .. |
| Kingswinford, ... | 20314 | .. | .. | 4 | 0.20 | 5 | 0.25 | .. | .. | 1 | 0.05 | 5 | 0.25 | .. | .. | .. |
| Leek | 14842 | .. | .. | 29 | 1.95 | 88 | 5.93 | .. | .. | 1 | 0.07 | 6 | 0.40 | .. | .. | .. |
| Lichfield | 24415 | .. | .. | 21 | 0.86 | 23 | 0.94 | 1 | 0.04 | 3 | 0.12 | 10 | 0.41 | .. | .. | .. |
| Mayfield | 3594 | .. | .. | 1 | 0.28 | 3 | 0.83 | .. | .. | .. | .. | 1 | 0.28 | .. | .. | .. |
| Newcastle | 5819 | .. | .. | 11 | 1.89 | 8 | 1.37 | .. | .. | .. | .. | 3 | 0.52 | .. | .. | .. |
| Selsdon | 14494 | .. | .. | 7 | 0.48 | 31 | 2.14 | 4 | 0.28 | .. | .. | 15 | 1.03 | .. | 1 | .. |
| Shifnal | 681 | .. | .. | .. | .. | 1 | 1.47 | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| (Staffs. por.) | 6344 | .. | .. | 48 | 5.54 | 64 | 7.38 | 1 | 0.12 | .. | .. | 6 | 0.69 | .. | 1 | .. |
| Stafford | 4207 | .. | .. | 1 | 0.24 | 2 | 0.48 | .. | .. | .. | .. | 1 | 0.24 | .. | .. | .. |
| Stoke-on-Trent | 12737 | .. | .. | 20 | 1.57 | 37 | 2.90 | 1 | 0.08 | 2 | 0.16 | .. | .. | .. | .. | .. |
| Stone | 5059 | .. | .. | 2 | 0.40 | 7 | 1.38 | .. | .. | .. | .. | 3 | 0.59 | .. | .. | .. |
| Tamworth | 8031 | .. | .. | 35 | 4.36 | 16 | 1.99 | .. | .. | .. | .. | 2 | 0.25 | .. | .. | .. |
| (Staffs. por.) | 6694 | .. | .. | 9 | 1.34 | 1 | 0.15 | .. | .. | .. | .. | 3 | 0.45 | .. | .. | .. |
| Tutbury | 11643 | .. | .. | 6 | 0.52 | 13 | 1.12 | .. | .. | .. | .. | 2 | 0.17 | .. | .. | .. |
| Uttoxeter | | .. | .. | | | | | | | | | | | | | |
| Walsall | | .. | .. | | | | | | | | | | | | | |

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County Health Visiting Scheme.

Annual Report of County Medical Officer of Health.

While it is essential, under present circumstances, to limit as far as possible the scope of all reports, as this is the first report which embraces a full year's work the Committee will no doubt desire that it shall contain adequate information as to the actual work done as well as suggestions as to work in the future.

Although the work actually started in October, 1916, I propose to disregard the first three months during which time the machinery was being brought into efficient operation. This report, therefore, has reference to the twelve months ending December 31st, 1917.

At the beginning of the year 26 districts with a total population (Census 1911) of 245,642 constituted the joint area included in the scheme. Subsequently, however, four other districts, namely, Heath Town, Lichfield, Perry Barr, and Rugeley, with a total population of 27,799, became constituent districts, bringing the aggregate population of the joint area up to 269,671.

The individual districts with their respective civil populations are set forth in the table attached to this report showing a summary of the work done during the year.

As regards the scope of the work, the Committee are aware that it embraces, at present, health visiting only, the County Council having determined when the scheme was approved not to include other branches of maternity and child welfare work, for example, the establishment of mother and infant welfare centres. On their own initiative, however, the following constituent authorities, namely, Lichfield, Sedgley, and Wednesfield (Urban) have established such

centres, and in other constituent areas, namely, Kidsgrove, Tamworth, Uttoxeter, and Willenhall (Urban) and Cheadle (R) Mayfield and Alstonfield (R.), Colwich (Stafford R.), Fazeley and Hopwas (Tamworth R.), Abbots Bromley and Rocester (Uttoxeter R.), similar centres have been formed by voluntary effort. While the Committee have taken no active part in the formation of these centres they have shown their sympathy in the movement by permitting their two inspectors to help in the organising work and to advise the local committees; also, in every instance the centres are conducted under the supervision of the local health visitor appointed under the County Council Scheme.

As will be seen from the summary table, the present staff of health visitors numbers 55, of whom seven are whole-time officers. In determining whether a whole-time or a part-time officer shall be appointed for a particular area, local circumstances, such as number and density of population, are taken into account, and it is chiefly in sparsely populated districts that part-time service is given the preference, in most cases by utilising under an Agreement with the County Nursing Association the services of district nurse midwives whose training and experience are found to be adequate. Neither the County Nursing Association nor the local associations, however, have any authority or control over the part-time nurses as regards their health visiting work. They are appointed by the County Council and their work is supervised by the highly qualified inspectors of midwives appointed under the Midwives Act, an arrangement which assures efficient service and avoids overlapping. The work of health visiting, however, is carried on under the direction and supervision of the Medical Officers of Health of the respective areas, thus securing a direct connecting link with the local sanitary authorities, who alone can put in operation and enforce the clauses in the Public Health and other Sanitary Acts under which action has often to be taken as the outcome of the health visitors' work. The County Council, on the other hand, are kept in touch with the work through the reports sent to me by the local medical officers of health and by the County inspectors. The nature of the work is

such that, in the main, it goes on more or less automatically, depending, as it does, on the personal influence and initiative of the health visitors.

The records set forth in the tables will gain in value as time goes on and we become possessed of figures from which comparisons may be drawn.

Disregarding the small rural area of Blore Heath, from which I failed to obtain returns, it will be seen that out of a total of 5,842 births registered, 4,994 or 85 per cent. were visited, and that the total visits paid to infants numbered 23,292, giving an average of 4·6 visits per child.

Dissecting the figures in order to show how the number of visits paid by the whole-time staff compares with that of the part-time, I find that in the case of the former class the figure was 3·89 and in the latter 4·25. These figures might with advantage be higher, and I am hoping that next year returns will show an improvement in that respect.

In addition to the visits paid to children it will be noticed that 2,302 visits were paid to expectant mothers, making the total visits paid to mothers and infants 25,594.

Only a desire to curtail this report as far as possible prevents me from quoting from the reports of the local medical officers of health as to the success which has attended the working of the scheme. Suffice it to say that the comments are uniformly satisfactory, and, apart from a few suggestions as to minor modifications which will receive due attention, no adverse criticism is met with.

Early in 1918 one of the medical inspectors of the Local Government Board visited the County in order to enquire into the working of the scheme, and it is satisfactory to know that she reported favourably upon the work, as is apparent from the following extract from a letter from the Board dated March 13th, 1918 :—" I am directed by the President of the Local Government Board to state that they have had under consideration the report of their Inspector, Dr. Seekings, after her visit to Staffordshire in connection with Maternity and Child Welfare, and I am to express the Board's appreciation of the arrangements for health visiting in the area included in the County Scheme."

That the Board approves the policy of the Council in utilizing existing agencies as far as possible is further borne out in a subsequent letter urging the Council to encourage in every way the extension of nursing associations affiliated to the County Nursing Association.

Now with regard to the future. In the letter from the Local Government Board from which I have quoted, attention is directed to other branches of infant welfare work provision for which, in the opinion of the Board, might with advantage be made by the County Council as follows :—

- (1) The home nursing of measles cases in the County health visiting area and, possibly, cases of whooping cough, epidemic diarrhoea in young children, ophthalmia neonatorum, and puerperal fever.
- (2) Medical attendance at Welfare Centres in the County health visiting area and the provision of new centres.
- (3) The payment of medical fees when doctors are sent for on the recommendation of midwives in the case of necessitous women in the Administrative County who are unable to pay a fee.

Of course it is for the Council to decide as to whether and to what extent these recommendations shall be acted upon, but the following comments and suggestions may assist the Council in coming to a decision, bearing in mind that one-half the cost of any approved scheme will be defrayed by the Local Government Board.

From the nature of most of the cases mentioned for which, it is suggested, home nursing should be provided, it is obvious that no woman who is engaged in midwifery practice should undertake the work. It is equally obvious, having regard to the intermittent need for such service that the local authorities would find it very difficult to make the needful provision. On the other hand, a central Authority like the County Council could, by means of a relatively small nursing staff, meet the requirements of all the constituent areas, because the need for such service would not simultaneously arise in the various districts.

If the provision of such a service, either in whole or in part, be entertained, I would suggest that the best and most

economical way of providing the needful staff of nurses would be by employing the emergency staff (the number to be increased accordingly) of the County Nursing Association.

In the event of the Council deciding to carry out only part of the proposed extra work at present, I would suggest that the nursing of measles cases should have the preference, as it is an undoubted fact that the high mortality from that disease is, in the main, attributable to want of proper care, not only while the disease is in its acute stage, but also during convalescence.

With regard to the special nursing of cases of whooping cough and, more especially, epidemic diarrhoea, beyond that which is already afforded and will increasingly be afforded through district nurses, I am afraid that such provision is hardly practicable, at any rate at present. Epidemic diarrhoea in bad years is so universally prevalent that in the area comprised in the County health visiting scheme the staff of nurses required would be considerable, and as their services would only be needed for two or three months annually it would be difficult to find employment for them throughout the remaining months.

The importance of proper care and attention in the case of infants suffering from ophthalmia neonatorum can hardly be exaggerated, and this County was one of the first in the Kingdom to take the initiative in impressing upon local authorities the need for adequate medical attendance and expert nursing for such cases. Enquiry into the cases reported shows that through existing agencies, namely, eye hospitals, health visitors, and district nurses, such cases are now fairly well provided for, and I do not think that any further special provision is needed at present.

As regards medical attendance at welfare centres, the provision would undoubtedly enhance the value of the work, and for various reasons the employment of local practitioners is inexpedient. The proper solution of the difficulty would be for the County Council to appoint whole-time medical officers, assigning them such areas as would keep them fully occupied in this special work. If this proposal is approved steps should be taken to encourage the provision of welfare

centres in places within the County health visiting area either by district councils or by voluntary effort.

In addition to the existing centres, it is desirable that 25 additional centres should be constituted in order that all the urban areas and the populous centres and rural areas may be served.

The centres would be grouped under three classes, the first class to be visited by a medical officer weekly, the second class fortnightly, and the third class monthly, and to allow of this it will be necessary to appoint four whole-time medical officers. Should the Committee entertain the proposal some time would be occupied in organising the various centres, but there is sufficient work in connection with the existing centres to occupy the whole time of more than one medical officer, while certain other localities already are keenly desirous that centres shall be formed. The Committee will probably desire that a report should be prepared setting forth, in detail, how the County health visiting area could be served in this respect.

With reference to the nursing of puerperal fever cases, this is already provided for in most cases through local nursing associations where the district nurses do not undertake midwifery. In the case of districts within the County health visiting area where no such nurses are available, it would be a comparatively simple matter to arrange for a special nurse to be sent by the County Nursing Association when needed as the cases are very few in number.

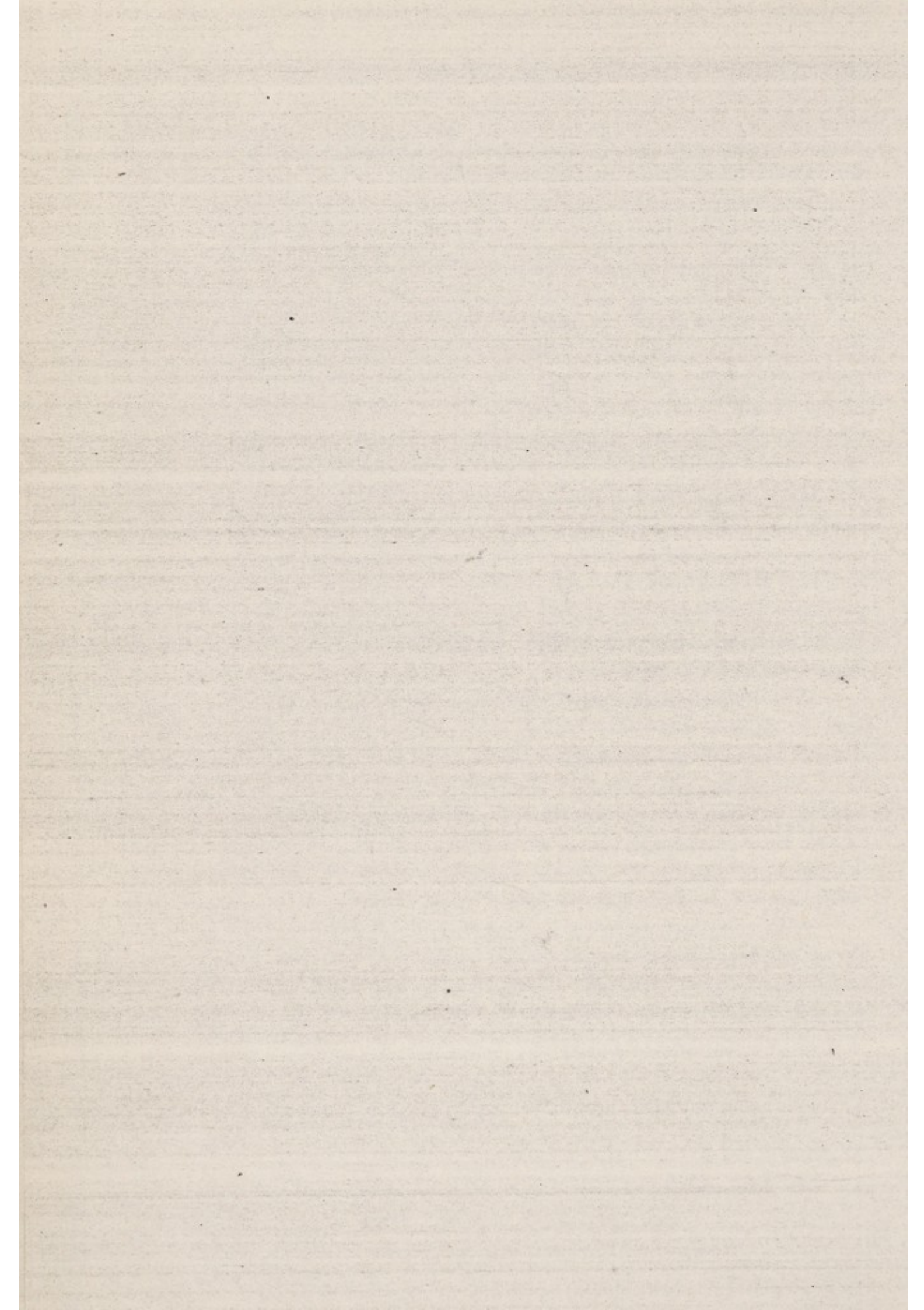
With reference to the payment of fees for doctors sent for on the recommendation of midwives, provision has already been made by the County Council. In this County the present need for such assistance is nearly non-existent, and it is estimated that £20 per annum will cover the expenditure.

GEO. REID,

County Medical Officer.

Stafford,

1st July, 1918.



Particulars

| District. | Civil Population Estimated at middle of 1917. | Infants b | | | |
|-----------------------|---|-------------|-----------|------------|------------|
| | | Births. | | | |
| | | Registered. | Notified. | | |
| | | | Alive. | Premature. | Stillborn. |
| | | | (1) | (2) | (3) |
| URBAN. | | | | | |
| AUDLEY | 14181 | 400 | 349 | 17 | 9 |
| BROWNHILLS | 17087 | 487 | 480 | 1 | 7 |
| *HEATH TOWN | 10635 | 247 | 228 | 5 | 14 |
| KIDSGROVE | 8960 | 204 | 191 | 1 | 7 |
| *LICHFIELD | 7929 | 146 | 139 | 2 | 7 |
| *PERRY BARR | 2431 | 44 | 22 | 1 | 1 |
| QUARRY BANK | 7316 | 184 | 176 | 8 | 8 |
| *RUGELEY | 4195 | 74 | 97 | — | 3 |
| SEDGLEY | 15665 | 416 | 407 | 10 | 12 |
| SHORT HEATH | 4084 | 118 | 117 | 2 | 1 |
| SMALLTHORNE | 13025 | 311 | 190 | 4 | — |
| TAMWORTH | 6955 | 143 | 141 | — | 2 |
| UTTOXETER | 4918 | 81 | 74 | 3 | 4 |
| WEDNESFIELD | 6731 | 146 | 112 | — | 3 |
| WILLENHALL | 18180 | 448 | 428 | 29 | 20 |
| RURAL. | | | | | |
| BLORE HEATH | 2068 | 31 | No | return | |
| CHEADLE | 24767 | 546 | 530 | 6 | 16 |
| GNOSALL | 4391 | 83 | 61 | 1 | 1 |
| LEEK | 14842 | 326 | 285 | 6 | 11 |
| MAYFIELD | 3594 | 116 | 60 | 4 | 3 |
| NEWCASTLE | 5819 | 120 | 119 | 4 | 5 |
| STAFFORD | 8668 | 185 | 84 | 4 | 3 |
| STOKE-ON-TRENT | 4207 | 107 | 117 | 3 | 3 |
| STONE | 12737 | 234 | 202 | 6 | 3 |
| TAMWORTH | 5059 | 98 | 59 | 1 | 4 |
| TUTBURY | 8031 | 142 | 68 | — | 2 |
| UTTOXETER | 6694 | 136 | 43 | — | — |
| WALSALL | 11643 | 292 | 215 | 6 | 6 |
| PARISHES. | | | | | |
| BLYMILL AND WESTON | 681 | 8 | 6 | — | — |
| DUDLEY CASTLE HILL .. | 12 | — | — | — | — |
| | 255505 | 5873 | 5000 | 124 | 155 |

Maternity and Inf

relating to the work during the

orn in 1917.

| First Visits. | | Revisits. | | Total Visits. | | Children on Visiting at end of 1917. | |
|---------------------------|------------------|---------------------------|------------------|---------------------------|------------------|--------------------------------------|----------------------------|
| Expectant Mothers. (4) | Children. (5) | Expectant Mothers. (6) | Children. (7) | Expectant Mothers. (8) | Children. (9) | Under One Year. (10) | One Year and over. (11) |
| — | 358 | — | 1424 | — | 1782 | 325 | 7 |
| 5 | 445 | — | 1316 | 5 | 1761 | 427 | 11 |
| — | 246 | — | 475 | — | 721 | 234 | — |
| 204 | 204 | — | 963 | 204 | 1167 | 182 | — |
| 14 | 133 | 34 | 747 | 48 | 880 | 114 | — |
| — | 22 | — | 78 | — | 100 | 23 | — |
| 175 | 184 | No record. | 2044 | 175 | 2228 | 167 | 5 |
| 2 | 93 | 8 | 263 | 10 | 356 | 86 | — |
| 160 | 398 | 191 | 1897 | 351 | 2295 | 363 | 3 |
| — | 111 | — | 151 | — | 262 | 146 | 2 |
| — | 182 | — | 278 | — | 460 | 180 | 5 |
| 30 | 120 | 10 | 320 | 40 | 440 | 112 | — |
| 78 | 78 | 98 | 156 | 176 | 234 | 69 | 1 |
| — | 114 | — | 145 | — | 259 | 104 | 1 |
| — | 446 | — | 1857 | — | 2303 | 383 | 12 |
| 13 | 546 | — | 1493 | 13 | 2039 | 433 | 13 |
| 24 | 60 | 30 | 181 | 54 | 241 | 49 | 1 |
| — | 256 | — | 600 | — | 856 | 220 | — |
| 38 | 58 | 57 | 231 | 95 | 289 | 54 | 1 |
| 126 | 112 | 425 | 441 | 551 | 553 | 93 | 1 |
| 42 | 83 | 60 | 309 | 102 | 392 | 61 | 1 |
| — | 112 | — | 266 | — | 378 | 76 | 2 |
| 107 | 198 | 91 | 971 | 198 | 1169 | 133 | 2 |
| 60 | 88 | 121 | 326 | 181 | 414 | 59 | 2 |
| 13 | 68 | 24 | 251 | 37 | 319 | 53 | — |
| 29 | 56 | 33 | 247 | 62 | 303 | 37 | 2 |
| — | 217 | — | 854 | — | 1071 | 203 | — |
| — | 6 | — | 14 | — | 20 | 5 | — |
| — | — | — | — | — | — | — | — |
| 1120 | 4994 | 1182 | 18298 | 2302 | 23292 | 4315 | 93 |

* Became constituent districts on April 1st, 1917.

† Districts or parts of districts worked by emergency nurses.

ant Welfare.

year ending 31st December, 1917.

| g List 7. | Deaths of Children on Visiting List during 1917. | | | Welfare Centre. | | | |
|-------------------------|---|--|-------------------------------------|-------------------------------|-------------------|-------------------------------|-------------------|
| | | | | No. on books. | | Total No. of Attendances. | |
| ear and five. (1) | Under ten days. (12) | Over ten days and under one year. (13) | One year and under five. (14) | Expectant Mothers. (15) | Children. (16) | Expectant Mothers. (17) | Children. (18) |
| 0 | 12 | 12 | — | — | — | — | — |
| 2 | 14 | 17 | — | — | — | — | — |
| — | 1 | 10 | — | — | — | — | — |
| 4 | — | 5 | — | 12 | 12 | 23 | 23 |
| 1 | 4 | 2 | 1 | 11 | 102 | 15 | 366 |
| — | — | — | — | — | — | — | — |
| 1 | 3 | 7 | — | — | — | — | — |
| — | 8 | 1 | — | — | — | — | — |
| 7 | 7 | 12 | — | — | — | — | — |
| 0 | — | 3 | — | — | — | — | — |
| 9 | 3 | 12 | — | — | — | — | — |
| 8 | 2 | 2 | — | — | 29 | — | 612 |
| 7 | 2 | 1 | — | 49 | 53 | 448 | 342 |
| 6 | 2 | 6 | — | — | — | — | — |
| 6 | 20 | 26 | 1 | — | 284 | — | 1448 |
| 6 | 10 | 17 | 5 | — | — | — | — |
| 2 | — | — | — | — | — | — | — |
| 6 | 5 | 5 | 5 | — | — | — | — |
| 6 | 1 | 1 | — | 5 | 64 | 37 | 553 |
| 6 | 7 | 5 | — | — | — | — | — |
| 6 | 3 | 3 | 1 | 4 | 26 | — | 30 |
| 3 | 6 | 7 | — | — | — | — | — |
| 8 | 5 | 5 | 1 | — | — | — | — |
| 2 | 3 | — | — | 1 | 25 | — | 121 |
| 9 | 1 | 2 | — | — | — | — | — |
| 3 | — | 10 | 3 | 3 | 18 | 18 | 202 |
| 5 | 1 | 8 | — | — | — | — | — |
| — | — | 1 | — | — | — | — | — |
| — | — | — | — | — | — | — | — |
| 0 | 114 | 173 | 17 | 85 | 613 | 541 | 3697 |

| No. of cases of insanitary conditions reported to Medical Officer of Health. | No. of Health Visitors. | |
|--|-------------------------------|------------------------|
| (19) | Whole- time. (20) | Part- time. (21) |
| 50 | 1 | — |
| 28 | 1 | — |
| 6 | 1 | — |
| — | — | — |
| — | — | 1 |
| — | — | † |
| No record. | — | 2 |
| — | — | 1 |
| 183 | — | 3 |
| 8 | — | — |
| 1 | 1 | — |
| 3 | — | 1 |
| 1 | — | 1 |
| — | 1 | — |
| 76 | 1 | — |
| | | 1 |
| 19 | — | 7† |
| 2 | — | 1† |
| 3 | 1 | 1 |
| 1 | — | 2† |
| — | — | 1† |
| 2 | — | 6† |
| 1 | — | 1 |
| — | — | 3† |
| 2 | — | 4 |
| 1 | — | 1† |
| — | — | 5† |
| 58 | — | 2 |
| — | — | † |
| — | — | † |
| 444 | 7 | 44 |